



Mining Happiness

Letter No. 11900/OMC/F&E/2024

19th July, 2024

To

The Divisional Forest Officer
Keonjhar Forest Division.

Sub: Proposal for seeking prior approval of the Central Government under Section 2 (ii) of the Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS/365.026 ha as per RoR) of Guali Iron Ore Mines under Keonjhar Forest Division and District Keonjhar, Odisha [Online Proposal No. (FP/OR/MIN/140713/2021)].

Ref: (i) F.No.8-96/1996-FC (PT.-I) dtd. 21.12.2023 by MoEF & CC, Govt. of India.
(ii) Memo No. 26693/FE & CC dt 28.12.2023 by the OSD-cum-Special Secretary to Govt., Dept. of FE & CC.
(iii) Letter No.91/Mining dt 03.01.2024 by DFO, Keonjhar.

Sir,

The point wise compliance to the conditions stipulated in the grant order of Stage-I Forest Clearance accorded by MoEF & CC, Govt. of India vide letter under reference (i), subsequent instruction by the OSD-cum-Special Secretary to Govt., Dept. of FE & CC and DFO, Keonjhar vide letter under reference (ii) & (iii) respectively for non-forestry use of 194.683 ha of forest land pertaining to Guali Iron Ore Mines of Odisha Mining Corporation Limited located in Keonjhar district of Odisha is given as under for kind scrutiny:

General Conditions

1. *Legal status of forest land proposed for diversion shall remain unchanged.*

In compliance, OMC has given an undertaking at Sl.No.1 of Annexure-I to apprise the State Government to keep the legal status of forest land proposed for diversion unchanged.

2. *Compensatory Afforestation:*

a. *The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation as per the approved CA Scheme at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal;*

In compliance, OMC has transferred Rs 17, 36, 56,900/- through online portal as per the challan generated from PARIVESH portal through RTGS mode vide UTR No. UBINJ.24178083392 dt 26.06.2024 in ORRISA CAMPA Account No.: 1508258140713785, IFSC Code: UBIN 0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027 which includes Rs 12, 83, 61,200/- towards the cost of raising and maintaining the compensatory afforestation over 194.683 ha of non-forest Govt. land in village Peturu under Thuamul Rampur

Odisha Mining Corporation Ltd.

(A Gold Category State PSU)

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CIN : U13100OR1956SGC000313

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Tahasil of Kalahandi district as per the scheme technically approved by PCCF (FD & NO, FC Act) on one time cost norm basis and communicated by CF (Nodal) vide Memo No. 11766 dt 11.06.2024. The copy of the technically approved financial outlay, demand letter No. 4696/6F-Mining-02/2024 dt 13.06.2024 by DFO, Keonjhar and RTGS receipt in support of proof of deposit by OMC is enclosed as Annexure-II Series for reference.

- b. *The land identified for raising Compensatory Afforestation shall be notified by the State Government as RF under Section-4 or PF under Section-29 of the Indian Forest Act, 1927 or under the relevant Section (s) of the local Forest Act, as the case may be, before the Stage-II approval;*

In compliance, the non-forest Govt. land identified in village Peturu over 194.6823 ha has been mutated in favour of the State Forest Department. The total area covered in three patches (Patch-I: 125.3515 ha, Patch-II: 30.2098 ha and Patch-III: 39.121 ha) towards CA has been notified by the State Govt. vide order No.FE-DIV-FLD-0034-2022-[10F-(Cons)-18/2022]-12919/FE&CC dt 19.07.2024 as "Peturu Protected Forests" under Section-33 of Odisha Forest Act, 1972 (Odisha Act-14 of 1972). The copy of the PF Notification and RoR is enclosed as Annexure-III.

- c. *The cost of survey, demarcation and erection of permanent pillars, if required on the identified CA land, shall be deposited in advance with the Forest Department by the user agency. The CA will be maintained for 10 years. The scheme may include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years;*

In compliance, OMC has already fixed permanent RCC pillars of 4' high at each corner points of the CA land boundary spread over 194.638 ha, surveyed by DGPS and vetted by ORSAC. The copy of the photographs of pillars posted is enclosed as Annexure-IV. The CA scheme has been technically approved with a maintenance period of 10 years and includes afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years by utilizing the funds deposited by OMC online. The copy of the approved CA scheme is enclosed herewith as Annexure-V.

- d. *The compensatory afforestation over non-forest land, equal in extent to the forest land being diverted i.e. 192.683 ha, shall be raised by the State Forest Department at the project cost within three years from the date of grant of Stage - II approval. Moreover, details of the CA land (NFL) will be submitted along with the KML at the time of the submission of the Stage-I.*

In compliance, it is submitted that OMC shall render necessary assistance so that the compensatory afforestation over 194.683 ha shall be carried out by the State Forest Department within a period of three years from the date of grant of stage-II forest clearance by utilizing Rs 12, 83, 61,200/- deposited by OMC. The allotment order of CA land and suitability certificate is enclosed as Annexure-VI series. The kml file of the CA land is transferred to a CD and enclosed.

- e. *Afforestation on degraded forest land to be selected elsewhere, measuring one and a half times the area under safety zone, shall also be done at the project cost under the supervisions of the*

State Forest Department and afforestation will be done within three years from the date of Stage-II clearance and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department;

In compliance, it is submitted that a scheme of plantation over 32.069 ha have been prepared being 1.5 times the safety zone area of 21.379 ha considered in the current proposal in Barabanka RF under Ghatgaon Range of Keonjhar Forest Division. It has been approved by RCCF, Rourkela vide letter No.1822/3F-810/2024 dt 30.04.2024 with a total financial outlay of Rs 1, 43, 04,500/-. Since, 32.069 ha of degraded forest area are located outside the ML area, it will be easier for the State Forest Department to execute the work and complete within three years from the date of stage-II FC. Therefore, on receiving the demand from DFO, Keonjhar vide letter No. 3322/6F-Mining-19/2024 dt 03.05.2024, OMC transferred Rs 17, 36, 56,900/- through online portal as per the challan generated from PARIVESH portal through RTGS mode vide UTR No. UBINJ 24178083392 dt 26.06.2024 in ORRISA CAMPA Account No.: 1508258140713785, IFSC Code: UBIN 0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027 which includes Rs 1,43,04,500/- towards approved cost of plantation over 1.5 times safety zone. The copy of the approved scheme, demand letter and RTGS receipt in support of proof of the deposit by OMC is enclosed as Annexure-VII series.

- f. *User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF & CC before Stage-II Clearance;*

In compliance, it is submitted that the area within 100 mtr from outer perimeter of the mining lease comprises 48.00 ha of Non-forest and open forest (less than 0.4 crown density) and 16.00 ha of MDF & VDF as per the DSS. Accordingly, a scheme to undertake gap planting and soil & moisture conservation activities over 48.00 ha of non-forest and open forest area and implementation of ANR without gap plantation over 16.00 ha of MDF & VDF area to restock and rejuvenate the degraded open forests having crown density less than 0.40 within 100 meter from outer perimeter of the mining lease has been approved by RCCF, Rourkela vide letter No.1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 36, 39,300/-. Since, 100 mtr strip is outside the ML area, it will be easier for the State Forest Department to execute the work. Therefore, on receiving the demand raised by DFO, Keonjhar vide letter No. 3322/6F-Mining-19/2024 dt 03.05.2024, OMC transferred Rs 17, 36, 56,900/- through online portal as per the challan generated from PARIVESH portal through RTGS mode vide UTR No. UBINJ 24178083392 dt 26.06.2024 in ORRISA CAMPA Account No.: 1508258140713785, IFSC Code: UBIN 0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027 which includes Rs 36, 39, 300/- towards the approved cost of gap planting and SMC within 100 mtr from outer perimeter of ML. The copy of the approval and approved scheme, map

showing location and SMC measures, demand letter and RTGS receipt in support of proof of the deposit by OMC is enclosed as Annexure-VIII series.

- g. *25% of the CA cost additionally will be spent towards soil and moisture conservation activities in the proposed CA area as per site requirement and deposited in CAF;*

In compliance, It is submitted that an amount of Rs 12, 83, 61,200/- deposited by OMC towards cost of CA over 194.683 ha includes 25% of the CA cost towards soil and moisture conservation activities as per site requirement and approved cost norm by PCCF (FD & NO FC Act).

3 NPV

- a. *The User Agency shall transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 28.03.2008, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No. 202/1995 and the guidelines issued by this Ministry vide its letter No. 5-3/2007-FC dated 06.01.2022 read with 22.03.2022 through online portal of CAMPA account of the State Concerned;*

In compliance, it is submitted that the cost towards NPV as per the demand and instruction given by DFO, Keonjhar have been transferred by OMC as per the details given under:

Demand raised by DFO		Amount paid by OMC		
Letter No and date	Amount in Rs	Letter No and date	Amount in Rs	DD/UTR No.& date
No.327/6F-Mining / 2020/dt.11.01.2021	25, 38, 57, 750/-	dt.12.01.2021	25, 38, 57, 750/-	SBIN 521012176323 dt.12.01.2021
No.661/Mining-02/ 2024 dt.23.01.2024	22, 32, 60,357/-	Dt 31.01.2014	22, 32, 60,357/-	UBINJ 24031709514 Dt 31.01.2024

The copy of the demand letter and RTGS receipts in support of proof of the deposits made by OMC is enclosed herewith as Annexure-IX for reference.

- b. *At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;*

In compliance, OMC has submitted an undertaking at Sl.No.2 of Annexure-I to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;

4. *Transportation of ore shall be as per the recommendation in the report submitted by CSIR-NEERI;*

In compliance, OMC has furnished an undertaking at Sl.No.3 of Annexure-I to adhere to the recommendation in the report submitted by CSIR-NEERI.

5. *A holistic transportation plan shall be prepared by the State Govt. aiming to have minimum impact in the landscape. The same shall be implemented. Transportation of ore should be as far as possible through common conveyor belt, slurry pipeline, railways, etc. Transportation of ore through road should be minimized in a time bound manner;*

In compliance, it is submitted that OMC shall render possible support to the State Government for preparation of a holistic transportation plan keeping in view of gradually reducing the

transportation load on road. An undertaking by OMC is furnished at Sl.No.4 of Annexure-I to minimize the transportation of ore through road in a time bound manner soon after the infrastructure like common conveyor belt, slurry pipeline, railways, etc. is in place.

6. *An Oversight Committee shall be constituted under the Chairmanship of the DDGF (Central) RO Bhubaneswar for 10 years who will monitor and review the compliance of the conditions stipulated in the approval for these five mines [namely- 1. Netrabandha Pahar iron Ore Block (area 112.621 ha), 2. Netrabandha Pahar (West) area 66.242 ha), 3. Laserda Pacheri Manganese & Iron Ore Block (area 94.351 ha), 4. Kalmang West (Northern Part) Block for Iron Ore Mines Iron Ore Block (Area 42.608 ha) and 5. Guali Opencast Iron Ore Mines (area 194.683 ha)] twice a year and submit their yearly report to this Ministry in the month of December. This Oversight Committee shall consist following members and logistics of this Committee shall be borne by State Government at the cost of UAs:*
- a. DDGF (Central) – Regional Office Bhubaneswar- Chairman.*
 - b. One Representative from IIFM Bhopal.*
 - c. One Representative from WII Dehradun.*
 - d. One Representative from ICFRE. 8-96/1996-FC(PT.-I) I/60522/2023*
 - e. One Representative from NEERI.*
 - f. One expert in Geology.*
 - g. Two other experts nominated by MoEF & CC. The recommendation made by the said committee shall be considered by the Ministry and if agreed the same shall be binding on the UAs;*

In compliance, it is submitted that OMC shall provide all possible logistic supports to the Hon'ble Oversight Committee Members during inspection to monitor and review the compliance of the conditions stipulated in the approval for this mines. An undertaking by OMC at Sl.No.5 of Annexure-I is enclosed to this effect.

7. *Integrated Regional Wildlife Conservation Plan shall be prepared for 10 years covering the forest Division of Sundargarh, Jharsuguda and Keonjhar Districts at the cost of UA. The works shall be executed as per APO and the regional plan shall have site/species specific wildlife sub plans/ prescriptions;*

In compliance, it is submitted that OMC shall contribute funds proportionately on receiving the demand raised by the State Forest Department for preparation of Integrated Regional Wildlife Conservation Plan for 10 years covering the forest Division of Sundargarh, Jharsuguda and Keonjhar Districts. OMC has submitted an undertaking at Sl.No.6 of Annexure-I to deposit the funds for preparation and execution of the plan on receiving the demand.

8. *A Bio-diversity Conservation Plan for this entire landscape shall also be prepared by the State Govt. at the cost of UA;*

In compliance, it is submitted that the work for preparation of a Biodiversity Conservation Plan for the entire landscape of Netrabandha Pahar pertaining to five lessees including Guali Iron Ore

Mines of OMC was entrusted by the State Govt. to IIFM, Bhopal. An undertaking by OMC is given at Sl.No.6 of Annexure-I to bear the cost of implementation of various activities suggested in the final report by IIFM, Bhopal proportionately according to the financial outlay.

9. *Soil and moisture conservation measures shall be undertaken in and around 10 KM radius of the mining lease areas at project cost;*

In compliance, it is submitted that a soil and moisture conservation plan around 10 km radius of the ML area has been prepared in consultation with DFO, Keonjhar and got it approved by RCCF, Rourkela vide letter No.1939/3F-810/2024 dt 06.05.2024. OMC has transferred Rs 17, 36, 56,900/- through online portal as per the challan generated from PARIVESH portal through RTGS mode vide UTR No. UBINJ 24178083392 dt 26.06.2024 in ORRISA CAMPA Account No.: 1508258140713785, IFSC Code: UBIN 0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027 which includes Rs 2,73,51,900/- basing on the demand raised by DFO, Keonjhar vide letter No.3935/6F-Mining-19/2024 dt 13.05.2024 towards approved cost of implementation of SMC measures. The copy of the demand letter and RTGS receipt in support of proof of the deposit by OMC is enclosed as Annexure-X.

10. *The conditions stipulated in EC should be strictly implemented and monitored;*

In compliance, it is submitted that all the conditions stipulated in the grant order of EC has been implemented and six monthly self compliance report is regularly submitted to MoEF & CC. The last six monthly self compliance report submitted by OMC to MoEF & CC vide Letter No.1227/OMC/GUALI/2024 dt 30.05.2024 is enclosed at Annexure-XI.

11. *Compensatory levies to be realized from the User Agency under the project shall be transferred/ deposited, through e-challan, in to the account of CAMPA pertaining to the State concerned through e-portal (<https://parivesh.nic.in/>);*

In compliance, it is submitted that all the compensatory levies have been transferred through online PARIVESH portal by OMC and given in Annexure-XII.

12. *The KML files of diverted area, the CA areas, the proposed SMC treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details prior to Stage-II approval*

In compliance, it is submitted that OMC vide letter No.97/OMC/F&E/2024 dt 02.01.2024 (Copy enclosed at Annexure-XIII) has submitted a CD containing the KML files of total diversion area, the CA area, the proposed SMC treatment area within ML and the WLMP area (Core and Buffer) to DFO, Keonjhar to upload the same on the e-Green watch portal. Necessary compliance to this effect may kindly be recommended.

13. *Following activities, as per approved plan/schemes, shall be undertaken in the lease area by the User Agency under the supervision of the State Forest Department. Approved scheme/plan shall be*

submitted to the Ministry along with compliance of Stage-I approval:

- a. *Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three years with effect from the issue of Stage-II clearance in accordance with the approved Plan in consultation with the State Forest Department;*

In compliance, it is submitted that a scheme for mitigative measures to minimize soil erosion and choking of stream have been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 55,80,800/-. An undertaking by OMC at Sl.No.8 of Annexure-I is enclosed herewith to implement the scheme by OMC at the approved financial outlay in the lease area under the supervision of the State Forest Department within a period of three years with effect from the date of issue of Stage-II forest clearance. The copy of the approved scheme and approval letter is enclosed as Annexure-XIV.

- b. *Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme;*

In compliance, it is submitted that the area earmarked for safety zone have been considered as the appropriate area within the mining lease for planting draught hardy species. In this regard, a scheme for planting of adequate drought hardy plant species and sowing of seeds to arrest soil erosion has already been considered in the additional safety zone area identified near the western side of the ML boundary have been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 57, 78,700/-. An undertaking by OMC at Sl.No.9 of Annexure-I is enclosed herewith to implement the scheme by OMC at the approved financial outlay in the lease area under the supervision of the State Forest Department within a period of three years with effect from the date of issue of Stage-II forest clearance. The copy of the approved scheme and approval letter is enclosed as Annexure-XV.

- c. *Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme;*

In compliance, it is submitted that a scheme for construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour has been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 2,77,99,900/-. An undertaking by OMC at Sl.No.10 of Annexure-I is enclosed herewith to implement the scheme by OMC within the ML area at the approved financial outlay under the supervision of the State Forest Department. The copy of the approved scheme and approval letter is enclosed as Annexure-XVI.

- d. *Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°; and*

In compliance, it is submitted that a scheme to Stabilize the overburden dumps by appropriate grading/benching, so as to ensure that angles of repose at any given place is less than 28° has

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been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 3,49,75,400/-. An undertaking by OMC at Sl.No.10 of Annexure-I is enclosed herewith to implement the scheme by OMC within ML area at the approved financial outlay under the supervision of the State Forest Department. The copy of the approved scheme and approval letter is enclosed as Annexure-XVII.

14. **Safety Zone Management: Following activities, at project cost, shall be undertaken by the user agency for the management of safety zone as per relevant guidelines issued by the Ministry's guidelines:**

- a. *User agency shall ensure demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department;*

In compliance, it is submitted that a scheme for demarcation of safety zone (7.5 meter strip all along the inner boundary of the mining lease area) over 1.444 ha and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars written with DGPS co-ordinates and bounded by barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department has been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 39,67,300/-. Earlier, out of the total Safety Zone area of 5.080 ha along 7.5 mtr strip, plantation has already been undertaken over 3.636 ha and in the current scheme the remaining 1.444 ha (5.080 ha-3.636 ha) has been considered. An undertaking by OMC at Sl.No.11 of Annexure-I is given to implement the scheme by OMC under the supervision of the State Forest Department. The photographs of the already implemented safety zone plantation are enclosed as Annexure-XVIII. The copy of the approved scheme and approval letter is enclosed as Annexure-XVIII A.

- b. *Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;*

In compliance, it is submitted that fencing along the safety zone boundary with barbed wire adjacent to the habitation/road shall be done by OMC as per the cost structure included in the approved scheme. An undertaking to this effect is given at Sl.No.12 of Annexure-I.

- c. *Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department;*

In compliance, it is submitted that a scheme for maintenance of the safety zone as green belt around mining lease and to ensure dense canopy in the area has been approved by RCCF, Rourkela as mentioned against condition No.14 (a). Adequate steps shall be taken to regenerate the vegetation under the supervision of the State Forest Department. An undertaking by OMC at

Sl.No.13 of Annexure-I is enclosed herewith to implement the scheme by OMC under the supervision of the State Forest Department.

- d. *The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms;*

In compliance, an undertaking by OMC is enclosed at Sl.No.14 of Annexure-I to ensure that safety zone is maintained as per the prescribed norms.

15. *No damage shall be caused to the top-soil and the user agency will follow the top soil management plan;*

In compliance, it is submitted that a scheme for Top Soil management with special emphasis that no damage shall be caused to the top soil has been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 2,92,52,900/-. An undertaking by OMC at Sl.No.15 of Annexure-I is enclosed herewith to implement the scheme by OMC within ML area at the approved financial outlay under the supervision of the State Forest Department. The copy of the approved scheme and approval letter is enclosed as Annexure-XIX.

16. *The User Agency shall prepare a list of existing village tanks and other water bodies with GPS co-ordinates located within five km from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage-II approval;*

In compliance, it is submitted that OMC has prepared a list of village tanks and other water bodies located within 5km from the ML boundary with GPS co-ordinates and distance between corner points duly authenticated by DFO, Keonjhar. The scheme for desilting at regular interval has been approved by RCCF, Rourkela vide letter No. 1587/3F-810/2024 dt 16.04.2024 with a total financial outlay of Rs 66,60,200/-. An undertaking by OMC at Sl.No.16 of Annexure-I is enclosed herewith to implement the scheme by OMC at the approved financial outlay under the supervision of the State Forest Department. The copy of the list of the water tanks/other water bodies duly authenticated and approved scheme and approval letter for desilting is enclosed as Annexure-XX.

17. *The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;*

In compliance, OMC has furnished an undertaking at Sl.No.17 of Annexure-I to deposit the cost towards tree felling with the State Forest Department on receiving the demand and tree shall be felled in a phased manner as per the requirement in the approved Mining Plan with prior permission of DFO, Keonjhar.

18. *Trees should be felled in phased manner as per the requirement in the approved Mining Plan with*

prior permission of concerned DFO;

In compliance, OMC has submitted an undertaking at Sl.No.18 of Annexure-I to carry out tree felling in a phased manner as per the requirement in the approved Mining Plan and with prior permission of DFO, Keonjhar.

19. *The User Agency shall undertake that afforestation of the non-mineralized virgin forest land within the mining area shall be taken up at project cost;*

In compliance, OMC has given an undertaking at Sl.No.19 of Annexure-I to carryout afforestation on the non-mineralized virgin forest land within the mining lease area.

20. *The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.*

In compliance, it is submitted that OMC shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. An undertaking to this effect has been given at Sl.No.20 of Annexure-I.

21. *A site-specific Wildlife Management Plan shall be prepared by the State Government in consultation with the PCCF (Wildlife) for the protection and conservation of wildlife of the area. A copy of approved Plan shall be submitted to the Ministry along with the compliance of Stage-I approval. Entire cost of implementation of the provisions of the Wildlife Management Plan shall be deposited into the account of CAMPA of the State;*

In compliance, it is submitted that OMC has transferred Rs 3, 81, 89,400.00 online through RTGS vide UTR No. UBINJ24008536147 dt 08.01.2024 Account No. 1508258140713297 in ORRISA CAMPA, IFSC Code: UBIN0996335 in Union Bank of India, FCS Centre,21/1,III Floor, Jelitta Towers, Mission Road, Bengaluru-560027 as per the challan generated by PARIVESH portal basing on the demand raised by DFO, Keonjhar vide letter No.9741/6F-Mining-16/2021 dt 31.08.2023 towards the cost of implementation of Site Specific Wildlife Conservation plan approved by PCCF (WL) & Chief Wildlife Warden vide letter No.8781/CWLW-FDWC-FD-0134-2021 dt 10.08.2023. The copy of the approval and approved SSWLCP, demand letter by DFO and RTGS receipt in support of proof of payment made by OMC is enclosed as Annexure-XXI.

22. *State Government shall complete settlement of rights, in term of the Scheduled Tribes and Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence, along with compliance of Stage-I approval, as prescribed by this Ministry's letter No. 11-9/1998-FC (Pt.) dated 03.08.2009 read with 05.07.2013, in support thereof;*

In compliance, it is submitted that by order of the Collector, Keonjhar the procedure for settlement of rights, in term of the Scheduled Tribes and Other Traditional Forest Dwellers

(Recognition of Forest Rights) Act, 2006 have been completed through Gram Sabha conducted in Laidapada, Topadih, Guali, Rugudihi villages and Siddhamatha Reserved Forest. The resolution of Gram Sabha was discussed first in the SDLC and then in the DLC meeting and accordingly, Collector, Keonjhar has issued a certificate in Form-II vide letter No.3981 dt 21.10.2022 under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 over the total forest land of 332.10 ha included within the ML area. The copy of the certificate issued by the Collector, proceedings of SDLC, DLC meeting and Gram Sabha resolutions is enclosed as Annexure-XXII.

23. *The User Agency shall undertake that user agency and the State Forest Department shall create and maintain from funds to be provided by the user agency alternate habitat/home for the avifauna, whose nesting trees are to be cleared in this project as per the plan duly approved by the Principal Chief Conservator of Forests (Wildlife) and the Chief Wildlife Warden Odisha. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;*

In compliance, it is submitted that a scheme to create and maintain from funds to be provided by OMC alternate habitat/home for the avifauna, whose nesting trees are to be cleared in this project by artificially made nests using eco-friendly materials in place of the nests likely to be disturbed has been prepared by DFO, Keonjhar and got it approved by PCCF (WL) & CWLW, Odisha vide letter No.2841/CWLW-FDWC-FD-134-2021 dt 01.03.2024. OMC shall implement the scheme by spending the approved amount of Rs 17, 93,655.00 as per the approved scheme spread over a period of 10 years. An undertaking at Sl.No.21 of Annexure-I is given by OMC to implement the scheme by utilizing the approved fund at the project cost under supervision of the State Forest Department. The copy of the approval and approved scheme is enclosed as Annexure-XXIII.

24. *The User Agency shall undertake that the project authority needs to take up works for construction and cleaning of garland drains, stabilizing retaining walls, proper terracing of OB dumps and checking gully formation resulting in soil erosion;*

In compliance, OMC has furnished an undertaking at Sl.No.21 of Annexure-I to continue the work of construction and cleaning of garland drains, stabilizing retaining walls, proper terracing of OB dumps and checking gully formation resulting in soil erosion as being done regularly. The photograph in this regard is enclosed as Annexure-XXIV.

25. *The User Agency shall undertake that plants which are having lowest translocation factor can be preferred under afforestation on the OB dumps and fruit trees to be avoided in planting during biological stabilization of OB dumps;*

In compliance, OMC has furnished an undertaking at Sl.No. 22 of Annexure-I to avoid afforestation of trees having lowest translocation factor on OB dumps and fruit trees for

biological stabilization of OB dumps.

26. *The User Agency shall undertake that prevention of fall of wild animals into mining pit by fencing the open pit area;*

In compliance, OMC has furnished an undertaking at Sl.No.23 of Annexure-I to fence the open pit area to prevent fall of wild animals in to the pit.

27. *The User Agency shall undertake that the angle of repose in OB dumps to be maintained to ensure stability and safety;*

In compliance, OMC has furnished an undertaking at Sl.No.24 of Annexure-I to maintain the angle of repose in OB dumps to ensure stability and safety as per the mining plan approved by IBM.

28. *The User Agency shall undertake that vetiver grass can be planted at the lower reaches of the dump to bind the soil and prevent soil erosion giving better stability to the dump;*

In compliance, OMC has furnished an undertaking at Sl.No.25 of Annexure-I to plant vertiver grass at the lower reaches of the dump to bind the soil and prevent soil erosion giving better stability to the dump.

29. *The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addl. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed;*

In compliance, it is submitted that in order to achieve the production target of 12.0 million tons of iron ore, operation within the ML area has been approved by IBM in the mining plan vide letter No. MP/A/38-DRI/BHU/2020-21.2917 dt 19.03.2021. Considering the nature of the ore occurrences, concurrent reclamation is not possible from the first year of operation. During conceptual period a total 9.5 million cubic meter of overburden has been estimated to be generated of which 6.29 million cubic meter of waste shall be accommodated in Dump-A over 20.18 ha during 3rd, 4th and 5th year of current five year (2020-21 to 2024-25) plan period of the Mining Plan. Subsequently, during 2nd plan period (2025-26 till the end of the lease period), Dump-A shall be afforested with proper garland rain and retaining wall and settling pits. The balance waste of 3.21 million cubic meters to be generated from the mine shall be utilized for backfilling in the de-mineralized portion of the pit.

The reclamation plan shall be strictly followed as per the mining plan approved by IBM. An undertaking to this effect and submission of annual report on implementation of the above to the

PCCF (FD & NO, FC Act) and Regional Office, Bhubaneswar is given at Sl.No.26 of Annexure-I.

30. *The User Agency shall comply with the Hon'ble Supreme Court order on regrassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner;*

In compliance, OMC has furnished an undertaking at Sl.No.27 of Annexure-I to comply with the Hon'ble Supreme Court order on regrassing and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. In a timely manner.

31. *Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under;*

In compliance, OMC has furnished an undertaking at Sl.No.28 of Annexure-I to abide by the provision that the period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under.

32. *The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;*

In compliance, it is submitted that OMC has obtained Environment Clearance for production of 30.0 million tons of iron ore vide letter No.J-11015/1155/2007-IA.II (M) dt 17.07.2023. The copy of the grant order of EC is enclosed as Annexure-XXV.

33. *No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;*

In compliance, OMC has furnished an undertaking at Sl.No.29 of Annexure-I to provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas and no labour camp shall be established on the forest land.

34. *The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates;*

In compliance, OMC has submitted an undertaking at Sl.No.30 of Annexure-I to demarcate and maintain the boundary of the diverted forest land, mining lease and safety zone on ground by erecting four feet high RCC pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates. Photographs in this regard are enclosed as Annexure-XXVI.

35. *The layout plan of the mining plan/proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal;*

In compliance, OMC has given an undertaking at Sl.No.31 of Annexure-I that the layout plan of the mining plan/proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.

36. *The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government;*

In compliance, OMC has given an undertaking at Sl.No.32 of Annexure-I that the forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government

37. *No damage to the flora and fauna of the adjoining area shall be caused;*

In compliance, OMC has given an undertaking at Sl.No.33 of Annexure-I that no damage to the flora and fauna of the adjoining area shall be caused.

38. *Any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife; and*

In compliance, OMC has given an undertaking at Sl.No.34 of Annexure-I to abide by any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife.

39. *The user agency shall comply with all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.*

In compliance, OMC has given an undertaking at Sl.No.35 of Annexure-I to comply with all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

40. *Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.*

In compliance, OMC has given an undertaking at Sl.No.36 of Annexure-I not to commit any violation which otherwise will amount to violation of Forest (Conservation) Act, 1980 and shall abide by the action as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC

dated 28.03.2019.

41. *The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;*

In compliance, OMC has given an undertaking at Sl.No.37 of Annexure-I to submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;

42. *The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).*


In compliance, OMC has given an undertaking at Sl.No.38 of Annexure-I to upload the compliance report on e-portal (<https://parivesh.nic.in/>).

Therefore, it is requested to examine the above compliances against the conditions stipulated in the stage-I grant order by MoEF & CC, Govt. of India and recommend to higher quarter for grant of stage-II forest clearance over 194.638 ha of forest land pertaining to Guali Iron Ore Mines of OMC Ltd. to continue scientific mining operation at the approved scale.

An early action is solicited.

Encls. as above.

Yours faithfully,



(Sri Debendra Kumar Nanda, OAS)
Chief Vigilance Officer and Land Officer
Authorised signatory

UNDERTAKINGS

[As per condition No. 1, 3(b), 4, 5, 7, 8,13 (a, b, c, d), 14 (a, b, c, d), 15, 16, 17, 18, 19, 20, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41 & 42 of the stage-I grant order No.8-96/1996-FC dt 21.12.2023 issued by MoEF & CC, Govt. of India pertaining to Guali Iron ore mines for diversion of 194.683 ha of forest area.]

I Sri Debendra Kumar Nanda, OAS, Chief Vigilance Officer and Land Officer, Authorized Signatory of Odisha Mining Corporation Limited do hereby undertake the following against the condition stipulated in the grant order of stage-I FC accorded by MoEF & CC Govt. of India vide grant order No.8-96/1996-FC (PT.-I) dt.21.12.2023 for grant of stage-II Forest Clearance over balance 194.683 ha included within Guali Iron Ore mining lease of OMC coming under Keonjhar Forest Division of Keonjhar district, Odisha:

Sl. No.	Condition No.	Undertakings by OMC
1	1	To pursue the matter with the State Govt. to keep the legal status of the forest land diverted under this approval unchanged.
2	3.b.	To pay the additional NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.
3	4	To follow the suggested mode of transportation recommended by CSIR-NEERI.
4	5	To minimize the transportation of ore through road as per the transportation plan prepared by the State Government in a time bound manner soon after the infrastructure like common conveyor belt, slurry pipeline, railways, etc. is in place.
5	6	To provide all possible logistic supports to the Hon'ble Oversight Committee Members during inspection to monitor and review the compliance of the conditions stipulated in the approval for this mines.
5A	7	To provide proportionate funds on demand by the State Government for preparation of Integrated Regional Wildlife Conservation Plan for a span of 10 years covering the forest Division of Sundargarh, Jharsuguda and Keonjhar Districts.
6	8	To provide proportionate funds on demand towards preparation of the Bio-diversity Conservation Plan for this entire landscape.
7	10	To implement and monitor the conditions stipulated in the grant order of EC.
8	13 (a)	To implement mitigative measures to minimize soil erosion and choking of stream in accordance with the approved Plan in consultation with the State Forest Department.
9	13 (b)	To plant adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme.
10	13 (c)	To construct of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme.
10 A	13 (d)	To Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme.

Sl. No.	Condition No.	Undertakings by OMC
11	14 (a)	To demarcate safety zone by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates and with barbed wire fencing to protect and regenerate through deploying adequate number of watchers under the supervision of the State Forest Department.
12	14 (b)	To carry out fencing along the safety zone boundary with barbed wire adjacent to the habitation/road as per the cost structure included in the approved scheme.
13	14 (c)	To maintain of safety zone as green belt around mining lease and to ensure dense canopy in the area by taking regeneration in this area under the supervision of the State Forest Department.
14	14 (d)	To maintain safety zone as per prescribed norms.
15	15	To implement the scheme on top soil management within ML area at the approved financial outlay under the supervision of the State Forest Department.
16	16	To implement the approved scheme for desilting of the existing village tanks and water bodies within five km of the mining lease under the supervision of the State Forest Department.
17	17	To deposit the cost towards tree felling with the State Forest Department on receiving the demand and tree shall be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of DFO, Keonjhar.
18	18	To carry out tree felling in a phased manner as per the requirement in the approved Mining Plan and with prior permission of DFO, Keonjhar.
19	19	To carryout afforestation on the non-mineralized virgin forest land within the mining lease area.
20	20	To explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.
21	23	To implement the scheme of avifauna by utilizing the approved fund at the project cost under supervision of the State Forest Department.
21A	24	To take up works for construction and cleaning of garland drains, stabilizing retaining walls, proper terracing of OB dumps and checking gully formation resulting in soil erosion.
22	25	To avoid afforestation of trees having lowest translocation factor on OB dumps and fruit trees for biological stabilization of OB dumps.
23	26	To fence the open pit area to prevent falls of wild animals in to the pit.
24	27	To maintain the angle of repose in OB dumps to ensure stability and safety as per the mining plan approved by IBM.
25	28	To plant vertiver grass at the lower reaches of the dump to bind the soil and prevent soil erosion giving better stability to the dump.
26	29	To undertake mining in phased manner after taking due care for reclamation of mined out area as per the mining plan approved by IBM and to submit the annual report to Nodal officer of State Govt. and IRO, MoEF & CC.

Sl. No.	Condition No.	Undertakings by OMC
27	30	To re-grass the mining area as per the Hon'ble Supreme Court order and any other areas which have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora and fauna.
28	31	To abide by the provision that the period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under.
29	33	To provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas and no labour camp shall be established on the forest land.
30	34	To demarcate boundary of the diverted forest land, mining lease and safety zone on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates.
31	35	Not to change the layout of mining plan/proposal without prior approval of Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.
32	36	Under no circumstances forest land proposed to be diverted shall be transferred to any other agency, department or person without prior approval of the Central Government.
33	37	No damage to the flora and fauna of the adjoining area shall be caused.
34	38	To abide any other condition to be stipulated by IRO, Bhubaneswar in the interest of conservation, protection and development of forests & wildlife.
35	39	To comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.
36	40	That OMC shall not violate any of the conditions stipulated, felling of which OMC shall abide by the action taken as prescribed in para 1.21 of chapter-1 of the Hand book of comprehensive guidelines of Forest (Conservation) Act,1980 as issued by the Ministry's letter No. 5-2/2017-FC dated 28.03.2019.
37	41	To submit the annual self- compliance report in respect of the above stated conditions to the State Government concerned Regional Office and this Ministry by the end of March every year.
38	42	To upload the compliance report on e-portal (https://parivesh.nic.in/).



(Sri Debendra Kumar Nanda, OAS)
Chief Vigilance Officer and Land Officer,
Authorized Signatory

Through E-mail



STATE FOREST HEADQUARTERS, ODISHA
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HoFF
PLOT NO. GD-2/12, ARANYA BHAWAN, CHANDRASEKHARPUR
BHUBANESWAR-751023

E-mail: nodal.pccfhoff@odisha.gov.in / nodal.pccfodisha@gmail.com

Memo No. 11766 9F(MG)- 65/2021
Dated, Bhubaneswar the 11th June, 2024

To

✓ The Divisional Forest Officer
Keonjhar Forest Division

Sub:

Proposal seeking prior approval of the Central Government under Section-2(ii) of the Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS) / 365.026 (As per RoR) of Guali Iron Ore Mines under Keonjhar Forest Division and District Keonjhar, Odisha (Online Proposal No. FP/OR/MIN/140713/2021) - Revision of financial outlay of CA Scheme regarding.

Ref:

- (i) This office Memo No. 25367 dated 28.12.2023
(ii) Memo No. 2621 dated 01.06.2024 of DFO, Koraput Forest Division.

Enclosed, please find herewith a copy of the revised financial Outlay for Compensatory Afforestation Scheme over an area of 194.683 ha of non-forest Govt. land identified in village Peturu under Pottangi Tahasil of Similiguda Range in Koraput District of Koraput Forest Division pertaining to the above project which has been approved by the PCCF(FD & Nodal Officer, FC Act) for Rs 12.83,61,200/- (Rupees twelve crores eighty three lakhs sixty one thousand and two hundred) only is enclosed as per matrix 2024-25 of approved one time cost norm.

In this context, I am directed to request you to raise demand on the user agency for payment of compensatory levies through web portal of MoEF & CC and submit the deposit particulars of the amount paid in prescribed CAMPA format alongwith the Stage-1 compliance.

Encl: As above

[Signature] 11/6/2024
Chief Conservator of Forests (Nodal)

Memo No. 11767 Dt 11-06-2024
Copy forwarded to the RCCF, Rourkela Circle for information & necessary action.


[Signature] 11/6/2024
Chief Conservator of Forests (Nodal)

Revised financial Outlay for Compensatory Afforestation Scheme over an area of 194.683 ha of non-forest Govt. land identified in village Peturu under Pottangi Tahasil of Similiguda Range in Koraput District of Koraput Forest Division against 194.683 ha forest land to be diverted for Guali Iron Ore Mines of M/s OMC Ltd. located in Keonjhar Forest Division of Keonjhar District as per matrix 2024-25 of approved One-time Cost Norm

Sl. No.	Description	Amount (Rs.)
1.	Cost of AR Plantation @ 1000 Plant per ha over 120.0 ha @ Rs.2,71,716/- per ha with 10 years maintenance	3,26,05,920.00
2.	Cost of AR Plantation @ 1600 Plant per ha over 47.183 ha @ Rs.3,58,998/- per ha with 10 years maintenance	1,69,38,602.00
3.	Cost of Angle Iron & Chain Link Wire Mesh Fencing over 12874 RMT with 10 years maintenance @ Rs.4,85,432/- per ha per 250 RMT (As proposed by the DFO, Koraput Forest Division)	2,49,97,806.00
4.	Cost of SMC activities like staggered trenches, percolation pits, contour trench, graded earthen bund, LBCD, wire mesh LBCD, Sub-Surface Dyke and WHS as per the slope and site requirement @ Rs.41,248/- per ha over 194,683 ha with 5 years maintenance	80,30,284.00
5.	Watering by Solar Borewell fitted with Drip System for 195493 Nos. of plants @ Rs.2,34,221/- per 1000 plants (As proposed by the DFO, Koraput Forest Division)	4,57,88,565.00
Grand Total		12,83,61,177.00 or rounded off to 12,83,61,200.00

(Rupees Twelve Crore Eighty Three Lakhs Sixty One Thousand and Two Hundred) only

Approved


Principal Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

Principal Chief Conservator of Forests
(Forest Diversion & Nodal Officer FC Act)
C/o. the P.C.C.F Odisha, Bhubaneswar



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION
Phone No- 06766-254315, email ID- dfo.keonjhar@odisha.gov.in

Letter No. 4696
Dated, Keonjhar the

/6F-Mining-02/2024
13th June, 2024

To

The Executive Director (F&E),
M/s OMC Ltd, OMC House,
Bhubaneswar- 751001.

Sub:

Proposal seeking prior approval of the Central Government under Section -2(ii) of the Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha of forest land involved in the mining lease area of 358.3258 ha (As per DGPS/365.026 (As per RoR) of Guali Iron Ore Mines under Keonjhar forest Division and District Keonjhar, Odisha (Online Proposal No.FP/OR/MIN/140713/2021)- Revision of financial outlay of CA Scheme regarding.

X-Sub:

Demand of funds towards CA Scheme.

Ref:

Memo No.11766 dated 11.06.2024 of Chief Conservator of Forests, FD & NO, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Sir

With reference to the aforementioned memo on the captioned subject, you are requested to deposit the approved amount of Rs.12,83,61,200/- (Rupees twelve crore eighty-three lakh one thousand two hundred) only towards the cost of revised Compensatory Afforestation schemes against non-forestry use of 194.683 ha forest land proposed for diversion in respect of the aforementioned project through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

Details approved of revised Compensatory Afforestation Schemes

Sl. No.	Particulars	amount to be deposited (in Rs)
I	Scheme for Compensatory Afforestation over 194.683 ha of non-forest Govt. land identified in Vill-Peturu under Pottangi Tahasil of Similiguda Range of Koraput District.	12,83,61,200.00
Grand Total		12,83,61,200.00

(Rupees twelve crore eighty-three lakh sixty one thousand two hundred) only.

Yours faithfully,


13/06/24
Divisional Forest Officer,
Keonjhar Division.

PTO

AGENCY COPY

यूनियन बैंक Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds
Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/SG File No.	8-96/1996-FC (PT-I)
Location.	ORRISA
Address.	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

यूनियन बैंक Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds
Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/SG File No.	8-96/1996-FC (PT-I)
Location.	ORRISA
Address:	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Print

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Sl. No.	Description	Amount in (₹)
1.	CR Scheme	₹ 12,33,61,200/-
2.	SAC 10 km Radius	₹ 3,72,51,900/-
3.	1.5 times safety zone	₹ 1,43,04,500/-
4.	Gap Plantation (100 m radius outer perimeter)	₹ 36,39,300/-
Total		₹ 17,36,56,900/-

UBIN5241780 83392
dt. 26/06/2024

For ODISHA MINING CORPORATION LTD
Dr. Sandhya Mishra
G.M. (F&E)
OMC Ltd.

S. Sandhya Mishra
Authorized Signatory

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

Bhubaneswar, dated the 19.07.24

No.FE-DIV-FLO-0034-2022-(10F-(Cons)-18/2022)- 12919 /FE&CC, In exercise of the powers conferred under Section-33 of the Odisha Forest Act, 1972 (Odisha Act 14 of 1972), the State Government do hereby declare that the following land situated in Village-Peturu under Pottangi Tahasil of Koraput District mutated and transferred in favour of Forest, Environment & Climate Change Department for raising Compensatory Afforestation thereon against the proposed diversion for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS)/ (365.026 ha as per RoR) of Guali Iron Ore Mines under Keonjhar Forest Division and District Keonjhar, Odisha vide 'in-principle' approval of Government of India, MoEF&CC, New Delhi communicated in letter No 8-96/1996-FC(PT.-I) dt.21.12.2023 under Section-2 of the Forest (Conservation) Act, 1980, the limits of which are specified below and the area of which is 194.6823 Ha (481.070 Ac) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as '**Peturu Protected Forest**'

Forest Block:

Name of the Protected Forest	Peluru
	Patch-I Patch-II Patch-III Total
Area in Ha	125.3515 30.2098 39.1210 194.6823
Area in Acres	309.750 74.650 96.670 481.070
Name of the Village	Peturu
Name of the Police Station	Pottangi
Name of the Tahasil	Pottangi
Name of the Sub-Division	Koraput
Name of the District	Koraput

Land Schedule:

Village	Khata No.	Plot No.	Kisani	Area in Ha.	Boundary description:				Petu
					North	South	East	West	
Peturu	611	1/654	Pahada	14.760	Gurupada village & Jungle Block	Plot No. 11/655	Plot No. 1 (P)	Jungle Block	1
		11/655		23.590	Plot No. 1/654	Plot No. 39/656	Plot No. 11 (P)	Jungle block	
		39/656		16.800	Plot No. 1/655	Plot No. 41/657 & 172	Plot No. 39 & 38	Jungle block	
		41/657		16.850	Plot No. 39/656	Plot No. 61/658	Plot No. 41 (P) & 44	Plot No. 172	
		61/658		22.620	Plot No. 41/657	Plot No. 61 (P) & 54(Nala)	Plot No. 61 (P) & 55 (Nala)	Plot No. 170/652 & 171 & 172	
		170/662		31.940	Plot No. 171	Plot No. 176	Plot No. 170 (P) &	Plot No. 174/663	



Tahasil, Dist.-Koraput.

2. The Notification is statutory and may be assigned SRO number.

de 18/7/2024

OSD-cum-Special Secretary to Government

Memo No. 12921/FE&CC, Date 19.07.24

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forest and Climate Change, (F.C. Division), Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003/ Deputy Director General of Forests (Central), Govt. of India, MoEF&CC, Regional Office, A/3, Chandrasekharpur, Bhubaneswar-23 for information and necessary action.

de 18/7/2024

OSD-cum-Special Secretary to Government

Memo No. 12922/FE&CC, Date 19.07.24

Copy forwarded to the Steel & Mines Department/ Revenue & Disaster Management Department/ Director of Land Records and Surveys, Odisha, Cuttack/ RDC (SD) Berhampur/ Collector, Koraput/ Tahasildar, Pottangi Tahasil, Dist.-Koraput for information and necessary action.

de 18/7/2024

OSD-cum-Special Secretary to Government

Memo No. 12923/FE&CC, Date 19.07.24

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha/ Principal Chief Conservator of Forests (WL) & CWLW, Odisha/ Principal Chief Conservator of Forests (FD&NO, FC Act), O/o the PCCF & HoFF, Odisha w.r.t. his letter No.10297, dt.17.05.2024/ Regional Chief Conservator of Forests, Koraput Circle/ Divisional Forest Officer, Keonjhar Forest Division/ Divisional Forest Officer, Koraput Forest Division for information and necessary action.

de 18/7/2024

OSD-cum-Special Secretary to Government

Memo No. 12924/FE&CC, Date 19.07.24

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar/ OE (IT) Section, FE&CC Department w.r.t. this Department letter No.21646/F&E dtd.22.11.2016/ 5 spare copies for G.F. for information and necessary action.

de 18/7/2024

OSD-cum-Special Secretary to Government

Memo No. 12925/FE&CC, Date 19.07.24

Copy forwarded to the General Manager (Geo), Odisha Mining Corporation Ltd., OMC House, Bhubaneswar for information and necessary action.

de 18/7/2024

OSD-cum-Special Secretary to Government

Schedule 1 Form No.39-A

ଖତିୟାନ

ମୌଜା : ପେଟୁଡ଼ୁ

ତହସିଲ : ପୋଖରୀ

ପାଟଣା : ଚୋରା

ତହସିଲ ନମ୍ବର :

ପାନା ନମ୍ବର : 101

ବିଭା : କୋରାପୁଟ

କୃଷକଙ୍କ ନାମ ଓ କିସ୍କାନ୍ତ ବା ଖତିୟାନର କ୍ରମିକ ନମ୍ବର	ଓଡ଼ିଶା ସରକାର ଖେତର ନମ୍ବର 01
ଓ ଖତିୟାନର କ୍ରମିକ ନଂ	61/1
୧) ପ୍ରକାର ନାମ, ପିତାଙ୍କ ନାମ, ଗାଡ଼ି ଓ ବାସସ୍ଥାନ	କଳାଭ, ପରିବେଶ ଓ ଚଳବାୟୁ ପରିବର୍ତ୍ତନ ବିଭାଗ, ଓଡ଼ିଶା ସରକାର

ନାମ	ସରକାରୀ ମାତ୍ରା					୫) କ୍ରମବର୍ତ୍ତନଶୀଳ ଖତିୟାନ ବିବରଣୀ
	କରକର	ଖରଣା	ସେସ	ନିଷ୍କାଳ ସେସ ଓ ଅନ୍ୟାନ୍ୟ ସେସ ଯଦି କିଛି ଥାଏ	ମୋଟ	
୪) ସେସ		0.00	0.00	0.00	0.00	

୬) ବିକେତ ଅନୁସଙ୍ଗ
ପରି କିଛି ଥାଏ

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ଅଧିକ ପ୍ରକାଶନ ଚାରିଖ :
ଖରଣା ଧାର୍ଯ୍ୟ ଚାରିଖ :

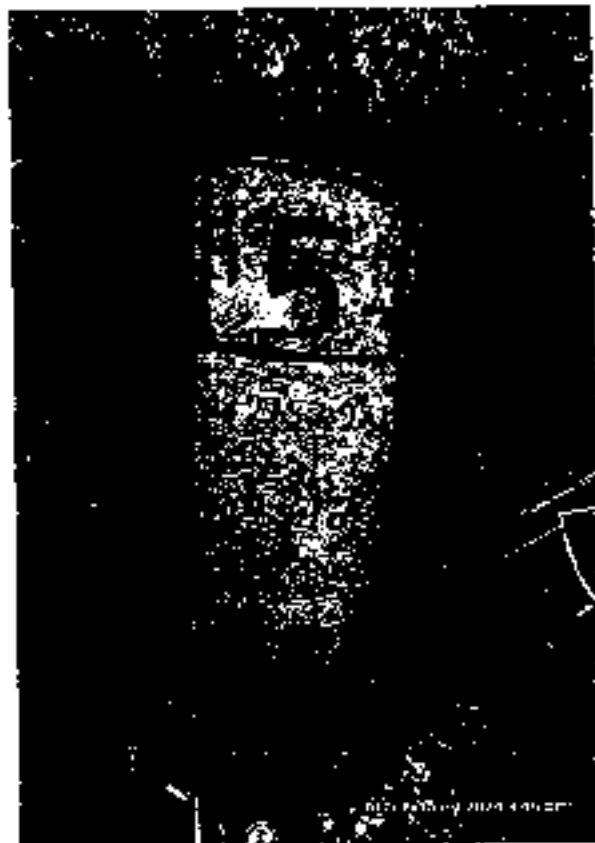
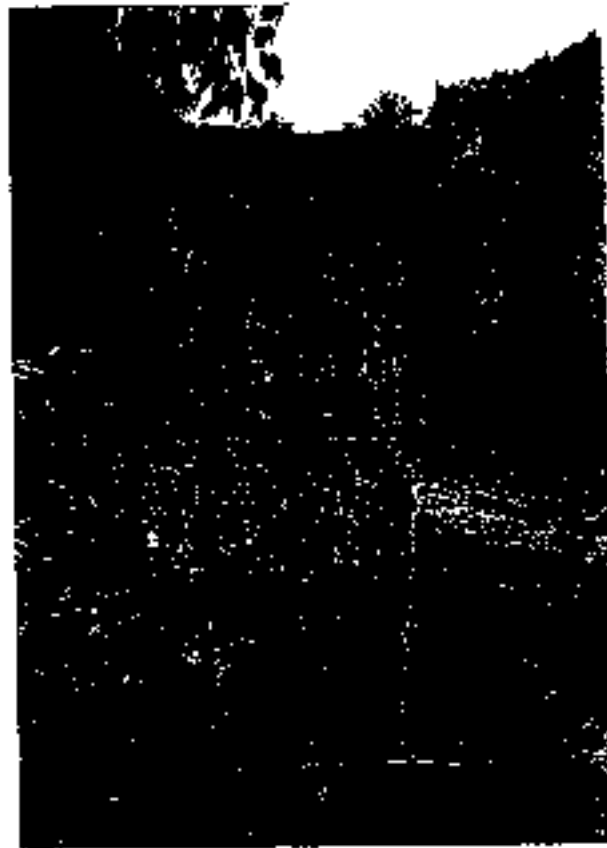
ଅନୁପଞ୍ଚନ ପ୍ରମାଣ ନଂ : 617		କମିଶନ : ପେଟୁଡ଼ି			ବିଭା : ବୋଉପୁର
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			ଘର	ଘର	
୨	୮	୯	୧୦	୧୧	୧୨
1/654	ପଞ୍ଚାଳ		14760	5.9732	ବନ୍ଧୁ ଖରାବ କେଶ ନଂ 93/2024 (Alienation Case No. 01/2024) ପ୍ରକୃତ ପୁରାଣ ପୁରାଣ ଖରା ନଂ 61 ରୁ ଅଧିକାର ।
11/655	ପଞ୍ଚାଳ		23590	9.5465	
39/656	ପଞ୍ଚାଳ		16800	6.7987	
41/657	ପଞ୍ଚାଳ		16850	6.8190	
61/658	ପଞ୍ଚାଳ		22620	9.1540	
63/659	ପଞ୍ଚାଳ		25810	10.4449	
70/660	ପଞ୍ଚାଳ		24840	10.9524	
170/662	ପଞ୍ଚାଳ		31940	12.9257	
171	ପଞ୍ଚାଳ		30800	12.1406	
172	ପଞ୍ଚାଳ		40200	16.2684	
106/661	କୁରୁମି		24000	9.7125	
173	ପଞ୍ଚାଳ		41600	16.8349	
174/663	ପଞ୍ଚାଳ		40210	16.2724	
175/664	ପଞ୍ଚାଳ		31180	12.6181	
310/665	କୁରୁମି		5230	2.1165	
334/666	ପଞ୍ଚାଳ		22590	9.1419	
376/667	କୁରୁମି		27240	11.0236	
377/668	ପଞ୍ଚାଳ		27720	11.2179	
391/669	କୁରୁମି		10120	4.0954	
410/670	କୁରୁମି		3770	1.5257	
20 ପୂର୍			481070	194.6823	

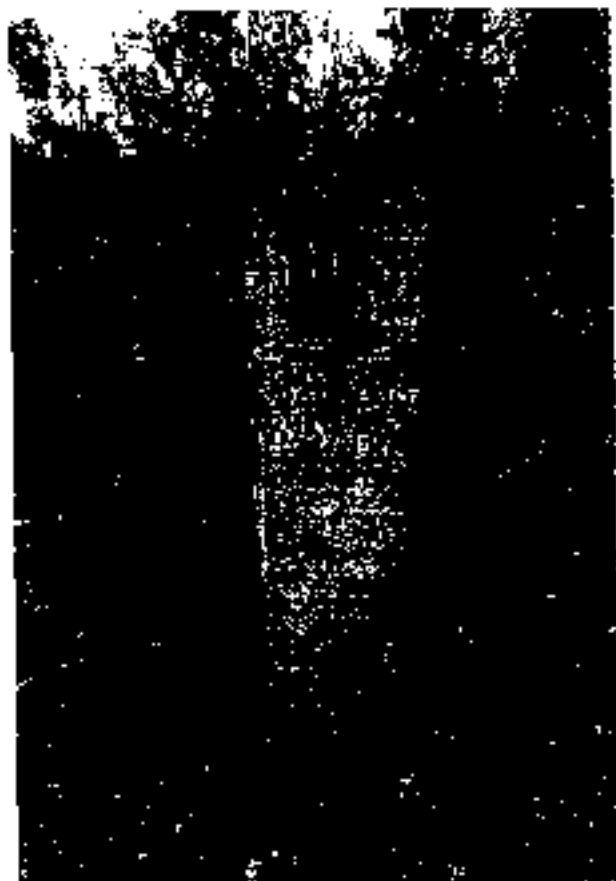
ରାଷ୍ଟ୍ରୀୟ ସ୍ୱତନ୍ତ୍ର ବିଭାଗ ସେକ୍ସ, ପେଟୁଡ଼ି

04/04/2024


 TAHASILDAR
 POTTANGI

PHOTOGRAPHS OF RCC PILLARS FIXED ON CA LAND BOUNDARY IN VILLAGE PETHIR J







ବନଶକ୍ତ ଅଧିକାରୀ ଓ ବନ୍ୟପ୍ରାଣୀ ଓଡ଼ିଶାସରକାର କାର୍ଯ୍ୟାଳୟ, କୋରାପୁଟ
OFFICE OF THE DIVISIONAL FOREST OFFICER -CUM-
WILDLIFE WARDEN, KORAPUT FOREST DIVISION, KORAPUT
Contact no. 06853-251270. e-mail: ID-dfo.koraput@odisha.gov.in

Memo No. 2621 Dated 01/06/2024

To

✓ The Divisional Forest Officer,
Keonjhar Forest Division.

Sub -

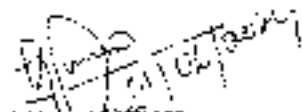
Revision of Compensatory Afforestation Scheme over 194.683 ha of non-forest land identified in Village Perera under Pottangi Tahasil of Semiligada Range of Koraput Forest Division in Koraput District in lieu of forest diversion proposal over 194.683 ha. of Guali Iron Ore Mines of OMC Ltd. in Keonjhar District

Ref -

- i. Letter No 8495/OMC/F&E/2024 Dated 22.05.2024 of Chief Vigilance Officer and Land Officer, Authorized Signatory, OMC Ltd.
- ii. Email dated 18.05.2024.

With reference to the letter No. 8495/OMC/F&D/2024 Dated 27.05.2024 on the above subject and as per the rejection remarks regarding Compensatory Afforestation, I am enclosing herewith the revised Compensatory Afforestation Scheme as per current one time cost norm matrix for financial year (2024-25) and watering provision calculated by 1000 nos. of plant per matrix duly signed by the undersigned against area proposed to be diverted for Guali Iron Ore Mining Lease in Keonjhar District in favour of M/s OMC Ltd. for needful action at your end.

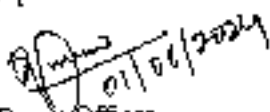
Encl: C A Scheme-194.638 Ha.
Letter No 8495/OMC/F&E/2024 Dated 22.05.2024
& Email


Divisional Forest Officer,
Koraput Forest Division.

Memo No 2622-1 Dated 01/06/2024

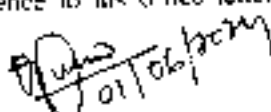
Copy submitted to the Principal Chief Conservator of Forests, Forest Division & Nodal Officer PC Act., O/o P.C.C.F., Odisha, Bhubaneswar for favour of kind information and necessary action.

Copy forwarded to the Regional Chief Conservator of Forests, Koraput Circle, Koraput for favour of kind information and necessary action.


Divisional Forest Officer,
Koraput Forest Division.

Memo No 2623-1 Dated 01/06/2024

Copy forwarded to the Chief Vigilance Officer and Land Officer, Authorized Signatory, OMC Ltd Bhubaneswar-751001 for information and necessary action with reference to his office letter No.8495/OMC/F&E/20024 Dated 22.05.2024


Divisional Forest Officer,
Koraput Forest Division

**SCHEME FOR
COMPENSATORY AFFORESTATION
OVER 194.683 HA
OF NON-FOREST GOVT. LAND
IDENTIFIED IN VILLAGE PETURU**

**UNDER
POTTANGI TAHASIL OF SEMILIGUDA
RANGE OF KORAPUT FOREST DIVISION**

**AGAINST
QUALI IRON ORE MINES
OF
M/S ODISHA MINING CORPORATION LTD.**

**LOCATED IN
KEONJHAR FOREST DIVISION
(ON ONE TIME COST NORM BASIS)**

ELEMENTS OF THE SCHEME FOR COMPENSATORY AFFORESTATION

CHAPTER	PARTICULARS	PAGE NUMBER
I	BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL	1 to 1
II	DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION	2 to 3
III	DELINEATION OF PROPOSED AREA ON SUITABLE MAP	3 to 3
IV	AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION	3 to 3
V	DETAILS OF WORK SCHEDULED PROPOSED FOR COMPENSATORY AFFORESTATION	4 to 5
VI	COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION	6 to 7
VII	ANNEXURE	8 to 18

Guaji Iron Ore Mines of OMC Odisha Iron Ore Corporation (OMC) Limited a Public Government Undertaking is an ongoing mining project for exploitation of iron ore according to the Mining Lease (ML) area over 365.026 Ha in the Revenue villages of Guaji, Panduliposi, Ragudidibi, Isharepada and Tapadibi under Barbil Tahasil of Champua Sub-Division in Keonjhar District and 3 bhamaah Reserved Forest of Keonjhar Forest Division. The said ML area finds place within latitude 21° 59' 21.991" to 22° 30' 00 964" N and longitude 85° 17' 02 375" to 85° 18' 59 140" E in the Survey of India Topo Sheets bearing No. F 45 N 5 and F 45 H 8.

Consequent upon amendment of Mines and Minerals (Development and Regulation) Act 1957, the sub-section (E) of section 8A was inserted in the MMDR Act through the said amendment in 2015 to provide that the non-captive mining lease period shall be extended up to 31.03.2020 or a period of 50 years from the date of grant of lease whichever is later. Consequently, Guaji Iron Ore Mines got expired on 31.03.2020. The mine was put under auction by the State Government and the successful bidder could not comply the terms and conditions as a result of which the State Government recommended for consideration and allocation through reservation (section 17A of MMDR Act) route or any other appropriate provision in favour of OMC Ltd (A Government Company) for a specified period of time to meet the exigencies of the situation where most of the auctioned mines are unable to start operation.

Considering the above, the Ministry of Mines, Government of India vide order No.4/1/2020-M-VI dt 05.01.2021 cancelled the Lol and/or vesting order issued under Section 8B of the MMDR Act in favour of the preferred bidders before reservation in favour of Odisha Mining Corporation Ltd. Pursuance to the said order dt 05.01.2021 issued by the Central Government, Guaji Iron Ore Block in Keonjhar district of Odisha has been reserved in favour of Odisha Mining Corporation Limited under section 17 (A) (2) of the MMDR Act read with Section 20A for a period of 10 years vide Notification No.283/SM dt 11.01.2021. The State Government thereafter issued a letter of intent vide No.312/SM dt 11.01.2021 for grant of mining lease in favour of OMC Ltd for a period of 10 years. Besides, the State Government vide order No 324/SM dt 11.01.2021 (as per Section 8B of the MMDR Act, 1957) (Annexure-I) has transferred all the valid rights, approvals, clearances, licenses and the likes vested with the previous lessee in favour of OMC Ltd. for a period of 2 years. Subsequently, the State Government vide order No.358/SM dt 12.01.2021 granted the mining lease for iron ore in favour of Odisha Mining Corporation Limited in respect of Guaji Iron Ore Mines over an area of 358.258 ha (as per DGPS)/365.026 (as per RoR) in village Guaji, Panduliposi etc. under Barbil Tahasil of Keonjhar district for a period of 10 years. Accordingly, the mining lease deed has been executed on dt 12.01.2021.

Total forest land present in the Guaji Iron Ore Mines is 332.10 ha as per the authenticated land schedule provided by Tahasildar Barbil Stage-II Forest Clearance over 137.417 ha has been granted by MDEF in two phases. In this context OMC has submitted a forest diversion proposal over balance forest land of 194.683 ha. Stage-I Forest Clearance has been granted by MoEF & CC vide letter dt. 21.12.2023.

In this context non-forest Govt. land over 194.683 ha has been identified in Peana village of Koraput District for raising CA.

CHAPTER II

DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION

A. LAND IDENTIFICATION AND JOINT VERIFICATION OF THE IDENTIFIED SITE.

The site for Compensatory Afforestation has been identified in village Peturu under Pottangi Tahasil in Semiliguda Range of Koraput Forest Division over 194.683 ha and has been jointly verified by the Tahasildar, Pottangi, Revenue Inspector, Sunki, Range Officer, Semiliguda and Forest Section Officer, Sunki. Collector, Koraput vide letter No. 2366/XXVI-349/2021 dated 06.08.2021 advised the Tahasildar, Pottangi to process the proposal for allotment of non-forest Govt. land for raising compensatory afforestation in favour of Guali Iron Ore Mines of M/s Odisha Mining Corporation Ltd.

B. INFORMATION ON NON-ENCROACHMENT AND NON-ENCUMBRANCE.

The Tahasildar, Pottangi has issued certificate of non-encroachment and non-encumbrance in respect of the non-forest Govt. land identified and allotted for Compensatory Afforestation.

C. INFORMATION ON LAND STATUS.

The land schedule and land status of 194.683 ha land identified and allotted for Compensatory Afforestation is furnished hereunder:-

Tahasil	Village	Khata No.	Plot No.	Area taken for instant proposal for CA(in ha).	Kissam
Pottangi	Peturu	61 (AAA)	1	14.76	Pahad
			11	23.59	Pahad
			39	16.80	Pahad
			41	16.85	Pahad
			61	22.62	Pahad
			63	25.81	Pahad
			70	24.84	Pahad
			106	24.00	Kupuli
			170	31.94	Pahad
			171	30.00	Pahad
			172	40.20	Pahad
			173	41.60	Pahad
			174	40.21	Pahad
			175	31.18	Pahad
			310	5.23	Kupuli
			334	22.59	Pahad
			376	27.24	Kupuli
			377	27.72	Pahad
			391	10.12	Kupuli
410	3.77	Kupuli			
Total				194.683	

DEPARTMENT OF FOREST, RANGE & LAND MANAGEMENT, DISTRICT FOREST OFFICER, KORAPUT
AFFORESTATION

This land is neither covered under Section of Orissa Forest Act, 1972 nor included in DFLC report.

The non-forest Govt. land identified in village Peturu in three patches situated in hilly slopes. The slope of the identified site is moderate to stiff and suitable for Compensatory Afforestation with Block plantation model @ 1000 seedlings/ha over 120.00ha and 1600 plants/ha over 47.183ha

On analysis through decision support system, it was found that around 27.5 ha of identified non-forest Govt. land coming under moderately dense forest (MDF) category. So, Block plantation will be carried out over 167.183 ha (194.683-27.5) of non-forest Govt. land whereas SMC activities will be carried out over the entire of 194.683 ha of non-forest Govt. land. The balance, 167.183 ha of non-forest Govt. land will accommodate 195493 (120 x 1000 + 47.183 x 1600) numbers of plants against the required 194683 nos of plant which is more than 1000 seedlings per ha stipulated by MoEF & CC. Hence, no extra plantation in degraded forest is required.

The topography of the area is mainly hilly. The soil is prone to erosion necessitating soil-moisture conservation measures. Available depth of sandy-loam soil is conducive for plantation with suitable soil-moisture conservation measures. The average temperature varies from 13.5° C minimum in December to 45° C maximum in May. The annual rainfall varies from 1200 mm to 1500 mm. The maximum rainfall is received during the rainy season from July to September. The CA scheme is envisaged to be executed with involvement of Peturu VSS.

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

III(1) GPS COORDINATES AND GPS MAP OF THE COMPENSATORY AFFORESTATION SITE

The area has been demarcated through GPS survey and 84 nos of 4' height RCC pillars have been posted around the identified area and the GPS survey data showing latitude & Longitude of each point and their chainage with bearing has been depicted in the village sheet map (Map Enclosed).

CHAPTER- IV

AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

IV(1) AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

The user agency shall provide funds for raising Compensatory Afforestation as per the approved scheme.

IV(2) AGENCY RESPONSIBLE FOR EXECUTION OF COMPENSATORY AFFORESTATION

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Koraput Division will be assigned with the task for execution of Compensatory Afforestation.

**PROJECT REPORT ON
A
PLANTATION**

PLANTING PLAN

Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc. Specific treatment of the site in terms of soil and moisture conservation intervention will be depicted in the treatment map. A treatment map will invariably be prepared for Species to be planted and treatments to be applied to the different patches shown in the treatment map and planting plan. This plan will be followed when actual planting is carried out.

Species to be planted:-

1. *Zizyium cuscut* (Jamun)
2. *Adina cardifolia* (Kuruma)
3. *Anogeissus latifolia* (Dhaura)
4. *Accacia corecha* (Khair)
5. *Dalbergia sissoo* (Sissoo)
6. *Asadirachta indica* (Neem)
7. *Gmelina arborea* (Gambar)
8. *Terminalia helerica* (Bahada)
9. *Terminalia chebula* (Harida)
10. *Pongamia pinnata* (Karanja)
11. *Emblica officinalis* (Amla)
12. *arocarpus heterophyllus* (Panes)
13. Bamboo (*Dendrocalamus strictus*)
14. Other indigenous species

B.PRE-PLANTING OPERATION

B(I)-RAISING OF PLANTATION STOCK- NURSERY-

Seedlings will be raised in nearest Central Nursery / Over seed of 15 Ha from the planting site @ 1000 seedlings per ha including 10% casualty replacement i.e. 11000 ha and and 1500 plants and dug 10% casualty replacement i.e. 16500ha. During planting season transportation will be done from CN to planting site.

B(II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and demarcated through GPS survey and 84 nos. of 4' height RCC pillars have been posted at inter visible distance (as per the direction of forest Range Officer, Semiliguda Range) with GPS co-ordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:4000 has been prepared along with GPS co-ordinates forward and backward bearing, pillar No. and distance between pillars reflected in the map. A durable sign board has been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

B(III)-PRE PLANTING OPERATIONS-

The Pre planting operation like site clearance, and alignment tracking will be taken up preferably by the end of February and latest by the end of March. Pits of the dimension 45 x 45 x 45 cm. will be dug preferably 2 months before or at least a month before planting of seedlings.

7.2.2.2.2.2.2

After the completion of the preparation of the pits, the planting of the saplings in the pits will be carried out as per the approved norms. Care will be taken to ensure that the soil around the plant is not broken while doing so. The seedling with the ball of earth will be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel as a final step so that there is a proper bond between the ball and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

D. POST PLANTING OPERATION

D(1)-CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

D(2)-WEEDING AND SOIL WORKING

Regular and efficient weeding will start immediately after sprouting of the stumps is complete or after the seedlings have started throwing up new buds.

D(3)-MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the minerals required and dosage @ 50 grammes of patent mixtures like 'Gramor' or N.P.K. (2:2:1) will be applied in two split doses one in August and the other in September.

D(4)-SOIL MOISTURE CONSERVATION MEASURES

Soil conservation measures like gully control measures, staggered contour trenches and loose boulder check dams etc. will be taken up on the site as per the requirement of the field according to the provision provided in the norms.

D(5)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

It is proposed to protect the CA plantation from grazing by domestic animals using Chain Link wire mesh fencing. The total length of Chain Link wire mesh fencing for all the three patches which comes to 12.874 Km (12874 M). Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norms for protecting the plantation from grazing with involvement of Peturu VSS.

D(6)-WATERING OF PLANTATION AREA

Watering of the plantation will be carried out aided by solar system with Borewell (1 system for 5 ha plantation) fitted with Drip system over 167.183 ha proposed for plantation.

CHAPTER- VI

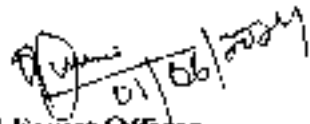
**COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION
TOTAL COST OF PROJECT**

Sl. No.	Item of Work	Total Estimated Cost in Rs.
Chain link weir mesh fencing		
1	Chain link weir mesh fence around plantation sites over 12874 mt @ Rs. 485432/- per 250 Rmt/Ha So, fencing required over 12874 Rmt/250=51.496 ha Rs 485432 X 51.496 ha=2,49,97,806.27	2,49,97,806.27
	Sub-total:	2,49,97,806.27
Plantation		
2	AR Plantation @ 1000 plants per hectare proposed in Peturu over 120.00 ha. X Rs. 2,71,716/- =Rs.3,26,05,920	3,26,05,920.00
	AR Plantation @ 1600 plants per hectare proposed in Peturu over 47.183 ha X Rs. 3,58,993/- = 1,69,38,602.63	1,69,38,602.63
	Sub-total:	4,95,44,522.63
Soil Moisture conservation activities		
3	Soil conservation measure structures like staggered trench, percolation pit, contour trench, graded earthen bund, LBCD, wire mesh, LBCD, Sub surface Dyke and Water Harvesting structures as per the Guideline by PCCF, Odisha vide letter dt. 08.11.2021 & dt. 01.12.2021 - 194.683 ha X Rs. 41248/-	80,30,284.38
	Sub-total:	80,30,284.38
Water provision to CA Plantation		
4	Water provision to CA Plantation: Solar system with Bore well, Model A-III G system for 5 Ha. Plantation) = Total seedlings to be planted = 195493/1600 mos = 195493ha @ Rs.5,46,274 X 195,493 ha =10,67,92743/-	10,67,92743.00
	Sub-total:	10,67,92743.00
	Total	18,93,65,356.28 Or 18,93,65,356.00

(Rupees Eighteen crore ninety three lakh sixty five thousand three hundred fifty six) only.

A. PROVISION OF FUNDS AND FUND UTILIZATION

Rs. 18,93,65,356.00 (Eighteen crore ninety three lakh sixty five thousand three hundred fifty six) only shall be deposited by the User Agency M/s Odisha Mining Corporation Ltd on approval of the scheme in Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Koraput Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional Forest Officer,
Koraput Division

DETAILS OF PROPOSED MONITORING MECHANISM

Compensatory Afforestation will be taken up in the identified sites by the Range Officer, Semiliguda Forest Range of Koraput Division. The Range Forest Officer, Semiliguda Forest Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator of Forests, (Affn.) and Divisional Forest Officer, Koraput Division. GPS co-ordinates along with other required information of Compensatory Afforestation will be uploaded in the e-Green watch Portal of NIC, MoEF&CC, Govt. of India for the purpose of online monitoring. Annual progress of plantation involving growth of planted seedlings, survival percentage etc. will be monitored and recorded in the plantation journal by the field staffs of Semiliguda Forest Range and reported to the Divisional Forest Officer for necessary action. The same thing will be reported to the Regional Chief Conservator of Forests, Koraput Circle and Chief Conservator of Forests (PP&A), O/o the Pr. Chief Conservator of Forests, Odisha, Bhubaneswar and necessary corrective measures will be followed if required so.


Divisional Forest Officer,
Koraput Forest Division.

1000 Seedlings @ Rs. 100/- per seedling with 10 Year Maintenance

Sr. No.	Item of work	Indicative Period of Execution	No. of Handys	Labour Cost (in ₹)	Material Cost (in ₹)	Total Cost (in ₹)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
			2	622	0	622
1.	Survey, demarcation and pillar posting	Nov/Dec	1	311	100	311
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	0	311
3.	Site preparation (Clearing & removal of debris)	Nov/Dec	12	3732	0	3732
4.	Creation of 4 (00 mt wide inspection Path	Feb/Mar	1	311	0	311
5.	Alignment and stacking of pits	Feb/Mar	1	311	0	311
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	40	12440	3	12440
7.	Construction of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
	Total		57	17727	3600	21327
1st Year/ Planting Year						
1.	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ COM/ FYM & mixing the same properly.	Jun/Jul	7.5	2332.50	5000	7332.50
2.	Transportation of 10 months old polythene bag seedlings in hired truck/ tractor from the permanent Mega nursery to planting site including loading & unloading. (Average load of 10 Rkm) & Stacking the seedling @ Rs. 5/- per Seedling (1100 nos.)	Jun/Aug	1	0	6600	6600
3.	Watering polythene seedlings at planting site	Jul/Aug	2	622	0	622
4.	Conveyance of polythene seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & dressing the soil perfectly around the dugout seedlings.	Jul/Aug	72.5	6997.50	0	6997.50
5.	Cost of Fertilizer & Insecticide (a) Urea: 50 kg @ Rs. 30/- per kg = Rs. 1500.00 (b) Insecticide: 5 gms/ plant @ 5 kg @ Rs. 150/- per kg = Rs. 750.00 (c) Urea/ Vermicompost/ Mo-Khata/ any other fertilizer in two subsequent doses @ Rs. 750.00 (d) Insecticide/ Bio pesticide @ 5 gms/ plant = 5 kg @ Rs. 150/- per kg = Rs. 750.00	Jul/Aug	0	0	3000	3000
6.	Casualty Replacement @ 10% (100 nos.)	Jul/Aug	2.5	777.5	0	777.5
7.	1 st weeding & Manuring	Aug/Sept	12	3732	0	3732
8.	2 nd Weeding, Soil weeding (1st. diameter around the plants) and Manuring.	Oct/Nov	15	4665	0	4665
9.	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path.	Feb/Mar	1	933	0	933
10.	Watch & Ward including watering as per requirement	Aug-Mar	12	3732	0	3732
	TOTAL		76.50	25791.50	14600.00	38391.50
2nd Year Maintenance						
1.	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	600	600
2.	Casualty replacement- 10%	Jul	2.5	777.5	0	777.5
3.	Cost of Fertilizer & Insecticide (a) Cost of Insecticide/ Bio-pesticide @ 5 gms/ plant = 0.5 kg @ Rs. 150/- per kg = Rs. 75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo-Khata/ any other fertilizer @ Rs. 750/-	Jul/Aug	0	0	3875	3875

	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
6.	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
7.	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar		0	1000	1000
TOTAL			38.5	11973.5	4475	16448.5
3rd Year Maintenance						
1.	Cost of Fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer)	July/Aug	0	0	2800	2800
2.	Weeding (Complete weeding), Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	15	4665	0	4665
3.	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
4.	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
5.	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/Mar	0	0	1000	1000
Total			36.0	11196	3800	14996
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
2	Watch & Ward including & maintenance of vegetative fencing.	Apr/Mar	18	5598	0	5598
Total			21	6531	0	6531
5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
6th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2.	Pruning of branches, Singling out of multiple shoots	Jan/Mar	3	933.00	0	933.0
3.	Watch & Ward	Apr/Mar	18	5598.00	0	5598.0
Total			24	7464	0	7464.0
7th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
8th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
9th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
10th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531

BIOLOGICAL CONTROL OF THE
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 IN THE TROPICAL FOREST

S. No.	Year	Number of Man-days	Local Cost (in Rs.)	Foreign Cost (in Rs.)	Provisioning Expenses on Learning, Experimentation and Other Contingency (5% of (4+5))	Cost of seedlings @ Rs. 31 per seedling	Total Cost (in Rs.)
1.	0 th Year	57.0	17127.0	2600.0	973.5	0.00	20700.50
2.	1 st Year	75.5	22991.5	14000.0	1918.50	5541.00	43951.00
3.	2 nd Year	38.5	11973.5	4475.0	871.50	5031.00	22301.00
4.	3 rd Year	35.0	11195.0	3800.0	745.00	0.00	15745.00
5.	4 th Year	21.0	6531.0	0.0	376.00	0.00	6857.00
6.	5 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
7.	6 th Year	24.0	7464.0	0.0	373.00	0.00	7837.00
8.	7 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
9.	8 th Year	21.0	6531.0	0.0	376.00	0.00	6857.00
10.	9 th Year	21.0	6531.0	0.0	326.00	0.00	6857.00
11.	10 th Year	21.0	6531.0	0.0	376.00	0.00	6857.00
	Total	358.0	111338.0	26475.0	6791.0	60372.0	204976.0

Matrix for Core Plantation for Compensatory Afforestation @ 1000 Seedlings/Ha with 10 year maintenance

Sl No	Common Name Tree	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII
	Date of Jan	24300	15745	6817	6457	582	652	687	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857	6857
1	2021-22	166434	24562	8325	8351	1273	1273	1273	10134	10637	11160												
2	2022-23	13415	10446	10137	0772	1327	1327	1327	30230	17638	11146	11727											
3	2023-24	10580	110729	27138	20092	4150	396	396	21778	33627	11370	11727	12534										
4	2024-25		25845	116105	24400	126	266	266	10730	11153	11179	11729	12212	12029									
5	2025-26			27100	112030	2968	1157	1157	30233	15637	11267	11727	12115	11970	13175								
6	2026-27				21402		12812	128	23162	10640	11760	12200	12419	11987	13575	14254							
7	2027-28						29017	14421	23396	24475	11170	11727	12173	12029	13578	14250	14567						
8	2028-29							11729	11221	20509	35406	11231	12119	11727	13295	14257	14567	14715					
9	2029-30								22947	118387	4673	24873	12718	12029	15516	14254	14970	16591					
10	2030-31									30550	145806	32419	28720	11934	11574	10252	14567	15719	16591				

		4	5	6	7	
0th Year (Advance Work) Pre-Planting Operation						
1	Survey, demarcation and pillar posting	Nov./Dec	2	622	0	622
2	Preparation of Treatment Map (Digital Map)	Nov./Dec	1	311	100	411
3	Site preparation (Cleaning & removal of debris)	Nov./Dec	12	3732	0	3732
4	Creation of 4.00 m wide Inspection Path	Feb./Mar	1	311	0	311
5	Alignment and staking	Feb./Mar	2	622	0	622
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb./Mar	64	19904	0	19904
7	Construction of Temporary Labour Shed, Drinking water facility and Fresh Air etc	Jan./Mo.	0	0	3500	3500
	Total		82	25502	3600	29102
1st Year/ Planting Year						
1	Refilling of pits by filtering the dug-out soil of the pits, application of Organic compounds/ COM/ FOM & mixing the same properly.	Jun./Jul	12	3732	6000	11732
2	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Kms) & Stacking the seedling @ Rs. 6/- per Seedling. (1760 nos.)	Jul./Aug	0	0	10560	10560
3	Watering the polypot seedlings at planting site	Jul./Aug	3	933	0	933
4	Conveyance of polypot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with tiller applied herbicide & pressing the soil properly around the planted seedlings	Jul./Aug	36	11196	0	11196
5	Cost of Fertilizer & Insecticide (a) Urea/ Bio-fertilizer @ 50 gms/ plant as basal dose = 80 kg @ Rs. 30/- per kg = Rs. 2400.00 (b) Urea/ Vermicompost/ Mr. Phosca/ any other fertilizer in two subsequent doses @ Rs. 1,200.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 5 kg @ Rs. 150/- per kg = Rs. 1200.00 Casualty Replacement @ 10% (160 nos.)	Jul./Aug	0	0	4600	4600
6		Jul./Aug	4	1244	0	1244
7	1 st weeding & Manuring	Aug./Sept	15	4665		4665
8	2 nd Weeding, Soil working (1m. diameter around the plants) and Manuring.	Oct./Nov	20	6220	0	6220
9	Fire line tracing (7m. wide fire line over 400 m long) including maintenance of inspection path.	Feb./Mar	3	933	0	933
10	Watch & Ward including watering as per requirement	Aug.-Mar	12	3732	0	3732
	TOTAL		105	32655	23360	56015
2nd Year Maintenance						
1	Transportation of 160 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	960	960

2012-13
 2012-13
 2012-13

		Sept/Oct	0	0	4500	4500
4	Weeding (Chinlets weeding), Manuring & Soil working 1mt diameter around the plants.	Sept/Oct	20	6220	0	6220
5	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
6	Watch & Ward including watering as per requirement	Apr-Mar	18	5598	0	5598
7	Maintenance of Temporary Labour Shed, Drinking water facility and First-Aid etc.				1000	1000
	Total		46	13995	6566	20561

3rd Year Maintenance

1	Cost of Fertilizer Urea/ NPK/ Bio-fertilizer/ Vermu compost/No. Khata/ any other fertilizer	Sept/Oct	0	0	4486	4486
2	Weeding, Manuring & Soil working (1mt diameter around the plants)	Sept/Oct	20	6220	0	6220
3	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
4	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
5	Maintenance of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Apr/Mar			1000	1000
	Total		41	12751	5486	16237

4th Year Maintenance

1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
2	Watch & Ward	Apr/Mar	18	5598	0	5598
	Total		21	6531	0	6531

5th Year Maintenance

1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531

6th Year Maintenance

1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2	Pruning of branches, Singing out of multiple shoots	Jan/Mar	5	1555.00	0	1555.0
3	Watch & Ward	Apr-Mar	18	5598.00	0	5598.0
	Total		26	8086	0	8086.0

7th Year Maintenance

1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531

8th Year Maintenance

1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531

10 th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531
10 th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531

Year wise Abstract of Cost Norm (Showing seedling cost separately)							
Sl. No.	Year	No. person days	Labour Cost @ ₹ 311/- per day	Material Cost	Monitoring Evaluation, Learning, Documentation and Other Contingency (5%) of (4+5)	Cost of Seedlings @ ₹ 50.31 per seedlings	TOTAL COST (₹)
1	0 th Year	82	25502	3600	1398.00	0	30500.00
2	1 st Year	105	32655	23360	2800.00	88546	147361.00
3	2 nd Year	45	13995	6566	1028.00	8050	29639.00
4	3 rd Year	41	12751	5485	911.00	0	19148.00
5	4 th Year	21	6531	0	326.00	0	6857.00
6	5 th Year	21	6531	0	326.00	0	6857.00
7	6 th Year	26	8086	0	404.00	0	8490.00
8	7 th Year	21	6531	0	326.00	0	6857.00
9	8 th Year	21	6531	0	326.00	0	6857.00
10	9 th Year	21	6531	0	326.00	0	6857.00
11	10 th Year	21	6531	0	326.00	0	6857.00
Total		425	132175	39012	8497	96596	276280

Matrix for Model-I-B Conventional CA Plantation (AR) 1600 plants per Ha.

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	
	Base Norm	30500	147361	23639	15148	6887	6889	8400	6837	6857	6857	6957											
1	2021-22	30500	154729	32674	22166	8335	8751	11377	9648	10311	10637	11169											
2	2022-23		32025	162465	34308	23274	8732	9169	11946	10130	10638	11169	11727										
3	2023-24			31626	170588	36023	24458	9190	9648	12543	19637	11170	11727	12313									
4	2024-25				35309	175117	37824	35660	9650	10330	13170	11169	11729	12313	12929								
5	2025-26				37072		188073	30715	26041	10133	19637	13829	11727	12313	12929	13575							
6	2026-27						34926	197477	41701	28200	10640	11160	14520	12313	12929	13575	14254						
7	2027-28							40872	207351	43786	20705	11172	11727	12313	12929	13578	14254	14967					
8	2028-29								42916	217719	45975	31150	11731	12313	12929	13575	14257	14967	15715				
9	2029-30									45362	228605	48274	30750	12313	12929	13575	14254	14970	15715	16501			
10	2030-31										47315	260035	50688	34388	12934	13575	17648	14967	15719	16501	17326		

Estimate for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (250 Rmt/Ha.)

Sl. No.	Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs.per Ha.)
0th Year (PPD)						
1	Earth work (Excavation of hole) in Hard soil at a distance 3 mt. 0.40m x 0.40m=0.064 x 84=5.376 cum @ Rs.140/ cum=Rs.753.		2.42	752.62	0.0	752.6
2	Cement concrete (1:4:8) using 40 mm BHC metal 84 X 0.40m X 0.10m = 1.344@3755.94/cum		0	0	5,047.4	5,047.4
3	Angle Iron pole of size 50mm X 50 mm X 6mm of height 2.40 mt. 84 x 2.40=201.605qmt.@4.50/kg/5qmt.= 907.20 kg@ 69.50 per kg				63,050.0	63,050.0
4	Cement Concrete (1:2:4) for fixing the iron angle pole using 12mm BHG Chips. 84 X 0.40m X 0.40m X 0.30m = 4.032 cum @5485.77/cum				22,123.0	22,123.0
5	Cost of Chain link mess using 4mm Dia GI wire having gap size 50mm X 50mm 250 Rmt X 2.10mt=5255q. mt2331/Sqmt=Rs.1,73,775				1,73,775.0	1,73,775.0
6	Double cost painting of Iron angle pole over a cost of primer using good quality enamel paint 84 x 2.10 x 0.20 = 35.28sqmt. @ Rs.108.80/Sqmt				3,838.0	3,838.0
7	Painting of GI chain link mess. 250 x 2.10 x 2 = 1050/10 = 105 Sqmt.@108.80Sqmt.				11,424.0	11,424.0
8	Transportation of Chain link mess,Iron angle,Straightening & tying of chain link mess etc. @ 2% of the total cost.				5,600.0	5,600.0
	Total		2.42	752.62	2,84,857.4	2,85,610.0
Rate per running meter Rs 2,85,610/250 = Rs.1142/Rmt						
1st Year Maintenance						
1	No Maintenance is required	Sept / Oct	0	0	0	0
2nd Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
3rd Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
4th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
5th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
6th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
7th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
8th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
9th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000
10th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr.1142 x 1% = 1142 say Rs.11	Sept / Oct	0	0	11000	11000

		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
1	1st year	1.0	0.0	1,000.0	1,000.0
2	2nd year	0.0	0.0	1,000.0	1,000.0
3	3rd year	0.0	0.0	1,000.0	1,000.0
4	4th year	0.0	0.0	1,000.0	1,000.0
5	5th year	0.0	0.0	1,000.0	1,000.0
6	6th year	0.0	0.0	1,000.0	1,000.0
7	7th year	0.0	0.0	1,000.0	1,000.0
8	8th year	0.0	0.0	1,000.0	1,000.0
9	9th year	0.0	0.0	1,000.0	1,000.0
10	10th year	0.0	0.0	1,000.0	1,000.0
	Total	2.42	752.62	363657.4	3,84,610.0

SKM Works Model-C

Cost estimate for execution of Compensatory Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).

Sl. No.	Items of work	Preferable Period of Execution	Total Cost
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Cyle & WhS as per the slope & site requirement on LS	Apr/Sept	20,215
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
Total			32,343.0

ABSTRACT

Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost	Total Cost (Rs.) Considered in the Matrix
1.	0 th Year	0.0	0.0	0.0	0.0
2.	1 st Year	0.0	0.0	20,215.0	20,215.00
3.	2 nd Year	0.0	0.0	3,032.00	3,032.00
4.	3 rd Year	0.0	0.0	3,032.00	3,032.00
5.	4 th Year	0.0	0.0	3,032.00	3,032.00
6.	4 th Year	0.0	0.0	3,032.00	3,032.00
Total		0.00	0.00	27,343.0	32,343.0

Matrix for (SMC)

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cor.
	Base Norm	0	20215	3032	3032	3032	3032											
1	2021-22	0	21226	3342	3510	2665	3670											35637
2	2022-23		0	22287	3509	3686	3669	4064										37415
3	2023-24			0	23401	3684	3670	4062	4267									39284
4	2024-25				0	34571	3868	4064	4265	4480								41248
5	2025-26					0	25800	4061	4267	4478	4704							43301
6	2026-27						0	27090	4264	4480	4702	4939						45475
7	2027-28							0	28445	4477	4704	4937	5186					47749
8	2028-29								0	29867	4702	4939	5184	5445				50136
9	2029-30									0	31360	4636	5186	5443	5717			52692
10	2030-31										0	32928	5183	5445	5715	6003		55274

Watering Budget-W-II					
Watering provision to CA Plantation					
Solar Based 1000 Solar Energy Pump/5 Ha Plantation, Water rate of Rs.311/-					
Year of Installation (0th Year)					
1	Cost of Solar panel			150000	
2	Installation of Solar panel & other system			300000	
3	Cost of 0.5 HP submersible motor with accessories			50000	
4	Water Storage Tanks/ Flexible pipes			10000	
Total				5,15,000	
Cost of Water per Plant (515000/2000) = Rs. 257.50/-					
Cost of Water per Ha = Rs. 1,03,000/-					
1st Year Watering					
a	Cost of Water- 103 x 1000			0	
b	Watering 1000 Plants (Nov-Mar) @ 200 plants/MD with 7 days rotation 20 MD x 5 months = 100 MD x 311 =			31100	
Total				31100	
2nd Year Watering					
a	Cost of Water per plant @ 20% of installation year cost 103 x 20% = 20.60 or 21.00 For 1000 plants = 21 x 1000 =			21000	
b	Watering 1000 Plants (April- June & Nov-Mar - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =			49760	
Total				70760	
3rd Year Watering					
a	Cost of Water per plant @ 20% of installation year cost 103 x 20% = 20.60 or 21.00 For 1000 plants = 21 x 1000 =			21000	
b	Watering 1000 Plants (April- June & Nov-Mar - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =			49760	
Total				70760	
4th Year Watering					
a	Cost of Water per plant @ 20% of installation year cost 103 x 20% = 20.60 or 21.00 For 1000 plants = 21 x 1000 =			21000	
b	Watering 1000 Plants (April- June & Nov-Mar - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =			49760	
Total				70760	
5th Year Watering					
a	Cost of Water per plant @ 20% of installation year cost 103 x 20% = 20.60 or 21.00 For 1000 plants = 21 x 1000 =			21000	
b	Watering 1000 Plants (April- June & Nov-Mar - 8 months) @ 200 plants/MD with 7 days rotation 20 MD x 8 months = 160 MD x 311 =			49760	
Total				70760	
Abstract					
Sl. No	Year	No. person days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th year	0	0.0	303000.0	303000.0
2	1st year	100.0	31100.0	0.0	31100.0
3	2nd year	160	49760.0	21000.0	70760.0
4	3rd year	160	49760.0	21000.0	70760.0
5	4th year	160	49760.0	21000.0	70760.0
6	5th year	160	49760.0	21000.0	70760.0
Total		640	230140.0	387000.0	617240.0

Matrix for Model-W-III Watering (Solar System Fitted with Borewell) per Ha (One solar pump/5 Ha)

Sl. No.	Commencement year	In Rupee																	
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	
3	2018-19	103000	31100	20760	70730	40760	70760												
1	2019-20	103000	27655	29000	61900	81300	71500												
2	2020-21		108100	54280	81900	91900	50800												
3	2021-22			113500	16000	71000	90800	29100											
4	2022-23				112200	37000	90800	93300	100000										
5	2023-24					120100	90000	99000	100000	100000									
6	2024-25							90000	100000	100000	100000								
7	2025-26								100000	100000	100000	100000							
8	2026-27									100000	100000	100000	100000						
9	2027-28										100000	100000	100000	100000					
10	2028-29											100000	100000	100000	100000				
11	2029-30												100000	100000	100000	100000			
12	2030-31													100000	100000	100000	100000		

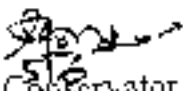
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 AMCC Forest Division B. P. O. (T. S. S.)

Revised financial Outlay for Compensatory Afforestation Scheme over an area of 194.683 ha of non-forest Govt. land identified in village Peturu under Pottangi Tahasil of Similiguda Range in Koraput District of Koraput Forest Division against 194.683 ha forest land to be diverted for Guali Iron Ore Mines of M/s OMC Ltd. located in Keonjhar Forest Division of Keonjhar District as per matrix 2014-25 of approved One-time Cost Norm

Sl. No.	Description	Amount (Rs.)
1.	Cost of AR Plantation @ 1000 Plant per ha over 120.0 ha (@ Rs.2,71,716/- per ha with 10 years maintenance	3,26,05,920.00
2	Cost of AR Plantation @ 1600 Plant per ha over 47.183 ha (@ Rs.3,58,998/- per ha with 10 years maintenance	1,69,38,602.00
3	Cost of Angle Iron & Chain Link Wire Mesh Fencing over 12874 RMT with 10 years maintenance @ Rs.4,35,432/- per ha per 250 RMT (As proposed by the DFO, Koraput Forest Division)	2,49,97,806.00
4	Cost of SMC activities like staggered trenches, percolation pits, contour trench, graded earthen bund, LBCD, wire mesh LBCD, Sub-Surface Dyke and WHS as per the slope and site requirement @ Rs.41,248/- per ha over 194.683 ha with 5 years maintenance	80,20,234.00
5	Watering by Solar Borewell Lined with Drip System for 193493 Nos. of plants @ Rs.23-221/- per 1000 plants (As proposed by the DFO, Koraput Forest Division)	4,57,85,566.00
Grand Total		12,83,61,177.00 or rounded off to 12,83,61,200.00

(Rupees Twelve Crore Eighty Three Lakhs Sixty One Thousand and Two Hundred) only

Approved


Principal Chief Conservator of Forests
Forest Division & Nodal Officer, FC Act

Principal Chief Conservator of Forests
(Forest Division & Nodal Officer FC Act)
Via the P.C.C. Odisha, Bhubaneswar

COLLECTORATE, KORAPUT
(REVENUE SECTION)

ANNEXURE -VI

No. 2366 /XXVI-349/2021

Dated: 06.08.2021

To

The Tahasildar, Pottangi.

Sub:- Allotment of non-forest Govt. land for raising Compensatory Afforestation over an area of 194.683 ha in lieu of the forest land proposed for diversion pertaining to Guali Iron Ore Mining Lease and over an area of 22.697 ha in lieu of the forest land proposed for diversion pertaining to Jilling Langalota Iron Ore Mining Lease in Keonjhor District.

Ref:- Memo No. 4958 dated 05.08.2021 of DFO, Koraput Forest Division.

Sir,

With reference to the letter on the subject cited above, I am to enclose herewith the copy of Letter No. 4957 dated 05.08.2021 of DFO, Koraput Forest Division along with 6 Nos. of Topo Sheets and 6 Nos. of Village Sheets in original duly signed by DFO, Koraput and request you to process the proposal for Allotment of non-forest Govt. land for raising Compensatory Afforestation over an area of 194.683 ha in lieu of the forest land proposed for diversion pertaining to Guali Iron Ore Mining Lease and over an area of 22.697 ha in lieu of the forest land proposed for diversion pertaining to Jilling Langalota Iron Ore Mining Lease in Keonjhor District through the Sub-Collector, Koraput at the earliest after observing all the formalities as per Govt. norms to this office for taking further action at this level.


This may be treated as Most Urgent.

Encl. As above.

Memo No. 2367 /2021

Copy forwarded to the Sub-Collector, Koraput for information and necessary action.


Yours faithfully,


Collector, Koraput


Dated: 06.08.2021

Memo No. 2368 /2021

Copy forwarded to the DFO, Koraput Forest Division for information with reference to her Letter No. 4957 dated 05.08.2021.


Collector, Koraput

Dated: 06.08.2021


Collector, Koraput

JOINT VERIFICATION REPORT OF NON-FOREST GOVERNMENT LAND IN VILLAGE PETURU UNDER POTTANGI TAHASI, OF KORAPUT DISTRICT FOR RAISING COMPENSATORY AFFORESTATION (BALD HILL PLANTATION) IN LIEU OF THE FOREST LAND PROPOSED FOR DIVERSION FOR GRALI MINING LEASE OF M/S ODISHA MINING CORPORATION LIMITED LOCATED IN THE DISTRICT OF KEONJHAR, ODISHA

Certified that on joint verification of Non forest Government land (Kissam - Pahad & Kupul) in village Peturu of Pottangi Tahasil of Koraput District, it is found that the scheduled wise land mentioned in the table is suitable for Bald Hill plantation @ 1600 plants/ha and are free from encroachment and encumbrances. The area does not come under DLC load and FR Settlement record.

Name of the Mines	Name of the Village	Khata No	Plot No.	Total area of the plot (Acres)	Area considered in (Acres)	Kissam	Type of Plantation recommended
Guel Iron Ore Mines	Peturu	61 (A.A.A)	1	17.50	14.76	Pahad	Bald Hill Plantation 1600 plants per HA over 104.633 ha.
			11	24.70	23.58	Pahad	
			39	16.00	16.80	Pahad	
			41	18.40	16.85	Pahad	
			61	27.90	22.62	Pahad	
			63	28.40	25.82	Pahad	
			70	29.10	24.84	Pahad	
			106	24.95	24.00	Kupul	
			170	36.00	31.94	Pahad	
			171	30.00	30.00	Pahad	
			172	40.20	40.20	Pahad	
			173	41.60	41.60	Pahad	
			174	43.70	40.21	Pahad	
			175	34.41	31.19	Pahad	
			217	49.00	5.31	Kupul	
			218	34.50	34.50	Pahad	
			TOTAL				

Revenue Inspector
Sunki
ଓଡ଼ିଶା ସରକାର
୧୯

Revenue Supervisor
Pottangi

Range Officer
Sankilgaon

Tahasil
Pottangi

Divisional Forest Officer
Koraput
Director Forest Division



**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. 1822 /3F-810/2024 Date: 30-04-2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Scheme for in respect of Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India
2. Your Memo No. 3324 Dtd 23.04.2024.

The scheme for afforestation on degraded forest land measuring 1.5 times safety zone area over 32.069 ha identified in Barabanka Reserved Forest of Ghatagaon Range prepared at the current wage rate of Rs.450.00 with a total financial outlay of Rs.1,43,04,500/- in compliance with the condition No.2(e) of the Stage-I approval accorded in respect of the above diversion proposal vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India and submitted vide your Memo under reference is hereby technically approved.

The technically approved scheme is returned herewith in duplicate for taking necessary action at your end.


Encl.:- As above.


 Regional Chief Conservator of Forests,
Rourkela Circle.

Memo No.

Date:

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/p the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3326 Dtd.23.04.2024 of DFO, Keonjhar Division.


 Regional Chief Conservator of Forests,
Rourkela Circle.

SCHEME FOR AFFORESTATION
ON
DEGRADED FOREST LAND
MEASURING 1.5 TIMES OF THE SAFETY ZONE
AREA OVER 32.069 HA
IN
BARABANKA RESERVE FOREST OF
GHATAGAON RANGE
PERTAINING TO
GUALI IRON ORE MINES
UNDER KEONJHAR FOREST DIVISION
OF

M/S ODISHA MINING CORPORATION LTD.
(A GOVT. OF ODISHA UNDERTAKING)
A Gold Category State PSU
OMC HOUSE, BHUBANESWAR-751001

(As per condition No. 2. (e) of the Stage-I Forest Clearance granted by MoEF
& CC, Govt. of India vide F.No.8-96/1996-FC dt 21.12.2023)

(ON ONE TIME COST NORM BASIS)

ELEMENTS OF THE SCHEME FOR AFFORESTATION OVER
1.5 TIMES OF THE SAFETY ZONE AREA

CHAPTER	PARTICULARS	PAGE NUMBER
I	BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL	1-2
II	DETAILS OF LAND IDENTIFIED FOR PLANTATION	2-3
III	DELINEATION OF PROPOSED AREA ON SUITABLE MAP	3-3
IV	AGENCY RESPONSIBLE FOR PLANTATION	3-3
V	DETAILS OF WORK SCHEDULED FOR PLANTATION	3-5
VI	REQUIREMENT OF FUNDS	6-6
VII	PROVISION OF FUNDS AND UTILIZATION	6-6
PLATE	LOCATION PLAN ON TOPO MAP(PLATE NO.1)	
	MAP SHOWING THE AREA OF PLANTATION (PLATE NO.II)	
	DSS MAP OF THE AREA (PLATE NO. III)	
ANNEXURES	COST NORM FOR ANR PLANTATION @ 200 PLANTS PER HA. (ANNEXURE-1).	6-9
	CHAIN LINK WEIR MESH FENCING (ANNEXURE-2).	10-11
	WATERING PROVISION TO PLANTATION	14-15

SCHEME FOR AFFORESTATION OVER 1.5 TIMES OF THE SAFETY ZONE AREA UNDER 32,069 HA OF DEGRADED FOREST LAND IN BARABANKA RF UNDER GHATAGARH RANGE OF KEONJHAR FOREST DIVISION IN RESPECT OF GUALI IRON ORE MINES OF M/S OMC LTD

CHAPTER-I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

Guali Iron Ore Mining Lease was being operated by M/s M. P. Saa with forest clearance over 137 417 ha (Approved by MoEF & CC over 42 417 ha vide No.8-96-FC dt 14.01.2005 + 95,000 ha vide No.8-96-FC dt 06.09.2011). The lease was processed through auction after its expiry on dt 31.03.2020 and finally, the State Govt. vide order No.324/SM dt 11.01.2021 has transferred all the valid rights approvals, clearances, licenses and the likes vested with the previous lessee in favour of OMC Ltd. Subsequently, the State Govt. vide order No.358/SM dt 12.01.2021 granted the mining lease for iron ore in favour of OMC in respect of Guali Iron Ore ML over an area of 358.258 ha in village Guali, Panduliposi etc. under Barbil Tahasil of Keonjhar district for a period of 10 years. Accordingly, the ML deed has been executed on dt 12.01.2021 and operation commenced since dt 12.01.2021 confined to approved forest area only. OMC, thereafter, submitted application for diversion of balance forest land over 194 683 ha and the MoEF & CC, Govt. of India vide F.No 8-15/(2000-FC, ivol.) dt 21.12.2023 accorded in-principle approval with 42 conditions to comply. Condition no. 2 e of Stage-I FC condition is given as under.

"2.e. Afforestation on degraded forest land to be selected elsewhere, measuring one and a half times the area under safety zone, shall also be done at the project cost under the supervision of the State Forest Department and afforestation will be done within three years from the date of Stage- II clearance and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department"

In the current afforestation scheme, 21 379 ha have been earmarked as safety zone and 1.5 times of this safety zone come to 32 069 ha. Plantation over 32,069 is required to comply the condition.

The Range Officer, Ghatagari Range, Keonjhar District has identified 32,069 ha of degraded forest land in Barabanka RF. The location of the above degraded forest land has been shown in the Topo map enclosed in the Scheme as **Plate No. I**

Plantation will be taken up over 32,069 ha of identified degraded forest area in ANR mode @ 200 plants/Ha. PCCF (FD & NO, FC Act) vide letter dt. 08.11.2021 and 01.12.2021 has issued one-time Cost Norm for Compensatory Afforestation. As per the para-2 of the said guideline scheme of Afforestation to be prepared on "one time cost norm basis" by delinking the scheme to wage rate revision and material cost escalation for easy of doing business.

As per the guideline issued by PCCF, Odisha vide letter dt. 08.11.2021, Bamboo twigs fencing may be preferred to CA plantations taken up in degraded forest area. In the present scheme Bamboo twigs fencing has been provided for protection of plantation area. The site plan is enclosed as **Plate No. II**.

The cost estimate for this plantation calculated as per cost norm for ANR @ 200 plants per hectare is enclosed as Annexure-1 and cost estimate for Bamboo twigs fencing is enclosed as Annexure-2.

CHAPTER- II

DETAILS OF LAND IDENTIFIED FOR PLANTATION OVER 32.069 ha IN ANR MODE

@ 200 PLANTS/HA

IDENTIFICATION OF DEGRADED FOREST LAND

II (1) - Details of identified Forest land

An area of 32.069 ha of degraded forest land in Barabanka RF has been identified in Ghatagaon Range, Keonjhar Division for taking plantation in ANR mode @200 plants/Ha. This area is coming under Improvement Working Circle as per Revised Working Plan of Keonjhar Forest Division. The identified degraded forest land is situated in Barabanka RF. The area has been inspected by the Range Officer, Ghatgaon Range and found to be suitable for Afforestation and free from encroachment and encumbrances.

II (2)- Character of existing vegetation of the identified site-

The prevailing forest growth has been categorized under forest type-3C/C2e Moist Peninsular Valley Sal. The vegetation consists of Sal and its associates like Jamu, Sunari, Asana, Karada, Dhaura etc.

II (3)- Working Plan prescription for the identified site –

The special objectives of management for the identified forest block i.e. Barabanka RF is depicted hereunder -

- To regenerate the degraded forest block by providing silvicultural inputs and protection measures with people's participation through JFM programme.
- To ensure soil and moisture conservation measures to enrich the micro-edaphic conditions for making the forests productive in near future.
- To meet the bonafide needs of the local inhabitants for fuel wood out of thinning and other cultural operations as prescribed.
- To tend the existing crop to get maximum growth.
- To improve the density condition and composition of the crop.

II.(4)- Suitability of the identified site –

The identified site in Barabanka RF is a degraded patch with existing vegetation of Sal and Sal associates. Gaps are sporadically spread over the forest block. The topography of the area is almost plain to gentle hilly in the identified area. The soil is mostly hard rock to sandy loam. The average maximum temperature is 42^o to 45^oC and minimum 5^o to 10^o C and annual rainfall varies from 1100 mm to 1800 mm. The maximum rainfall is received during the rainy season from July to September. The site has to be demarcated with 4 feet RCC pillars with erection of durable signboard depicting Scheme, Year, User

Agency, Area etc. on it. Therefore, the plantation scheme is envisaged to be executed with the involvement of nearby villagers.

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

III (1)- GPS COORDINATES AND GPS MAP OF THE PLANTATION SITE

The area has been demarcated through GPS survey and GPS survey data showing latitude and longitude of each point and their chainage with bearing is also enclosed in the map prepared thereon.

Decision Support System of degraded forest land identified in Barabanka RF under Ghatagaon Range

Sl. No.	Name of the Village	Verified in Decision Support System (in ha)		
		Total Area	Non-forest	Open-forest
1	Barabanka RF	32.069		

DSS map is enclosed as Plate-III.

CHAPTER- IV

AGENCY RESPONSIBLE FOR PLANTATION OVER 32.069 HA

IV (1)- AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

The user agency shall provide funds to carry out plantation as per approved scheme. The funds to be deposited in CAMPA Account by the User Agency.

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Keonjhar Division shall be assigned with the task for execution of plantation work.

CHAPTER- V

DETAILS OF WORK SCHEDULE PROPOSED OVER 32.069 HA

A. PLANTING PLAN

Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc. Generally planting will be done with a spacing of 2.5 m X 2.5 m.

Species to be planted:-

1. *Syzgium cumini* (Jamu)
2. *Adina cordifolia* (Kuruma)

3. *Anogeissus latifolia* (Dhaura)
4. *Dalbergia sissoo* (Sissoo)
5. *Azadirachta indica* (Neem)
6. *Gmelina arborea* (Gambar)
7. *Terminalia chebula* (Harida)

B. PRE-PLANTING OPERATION

B (I)-RAISING OF PLANTATION STOCK- NURSERY-

Nursery will be raised including seedlings for 10% causality replacement i.e. 220 seedlings per hectare will be raised.

B (II)- SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:4000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map. The area over 32.069 ha is situated in two patches i.e. Patch-I consist of 15.884 ha and Patch-II consist of 16.185 ha. Two sign board has already been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene covering the ball of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel as a final step so that there is a proper bond between the plant and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

D. POST PLANTING OPERATION

D (1)-CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

D (2)-WEEDING AND SOIL WORKING

Regular and efficient weeding will start immediately in the month of August-September.

D (3)-MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the minerals required and dosage will be applied in the month August to September as per the schedule and dosage provided in the Cost Norm.

D (4)-PROTECTION AGAINST FIRE AND GRAZING

Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation & protect the planting site from grazing by domestic animals using chain link fencing around the plantation site over an length of 3818 Rmt with involvement of nearby villages.

As there is huge biotic pressure from wild boar and elephant in the Barabanka RF, mere bamboo twig fencing will be ineffective in protecting the plantation. Hence, chain link fencing is required, however it will be ensured that it will not affect/obstruct the natural pathway of the elephants, as echoed in recent guidelines issued vide memo No.6041 dated 14.03.2024 of Principal Chief Conservator of Forests, Forest Diversion (FD&NO), FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Hence, chain link fencing is imperative for survival of said Compensatory Afforestation plantation. It will be win-win situation for both Compensatory Afforestation plantation and elephant conservation in long term.

D (5)-WATERING PROVISION

There will be watering provision by borewell fitted with diesel pump set for 6414 seedlings over 32.069 ha plantation area. As per onetime cost norm, it is calculated that Rs.33,22,128.00/- will be spent for watering purpose.

CHAPTER-VI

REQUIREMENT OF FUNDS:

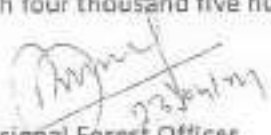
For implementation of all prescriptions outlined above, Rs.1,43,04,500.00 (Rupees one crore forty three lakh four thousand five hundred) only will be required as detailed below.

1.	ANR plantation @ 200 plants/Ha with 10 years maintenance amounting to Rs. 1,11,286/- per Ha. Expenditure for 32.069 ha (32.069 x 1,11,286) = Rs 35,68,830.73	Rs 35,68,830.73
2.	Chain link continuous fencing @ Rs.4,85,432.00/- per 250 Rmt including maintenance to be carried out over 3818 RMT. Expenditure for 3818 RMT= ((Rs.4,85,432.00/250) x 3818 Rmt) = Rs.74,13,517.50	Rs 74,13,517.50
3.	Cost of 6 nos. borewell for watering to 6414 nos. seedlings (As per base norm of Matrix for the year 2024-25) [Rs.5,53,688.00 x 6 No.=Rs.33,22,128.00]	Rs 33,22,128.00
	TOTAL	1,43,04,476.23 Or Say 1,43,04,500.00

(Rupees one crore forty three lakh four thousand five hundred) only.

Technically Approved


~~Regional Chief Conservator of Forests
Bourkola Circle~~


Divisional Forest Officer,
Keonjhar Division

CHAPTER-VII

PROVISION OF FUNDS AND FUND UTILIZATION

Rs.1,43,04,500.00 (Rupees one crore forty three lakh four thousand five hundred) only shall be deposited by the user agency i.e. M/s OMC Ltd on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising plantation over 32.069 ha by the Divisional Forest Officer, Keonjhar Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional Forest Officer,
Keonjhar Division

Base Cost Norm For Compensatory Afforestation through Aided Natural Regeneration (ANR)@200 Seedlings/ Ha. (18 months old seedling)						
Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in Rs.)	Material Cost (in Rs.)	Total Cost (in Rs.)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1.	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3.	Site preparation	Nov/Dec	2	622	0	622
4.	Silvicultural operations including clearance of weed, cutting of climber, High stump cutting, singling of shoots & removal of cut out after drying from the field to blank space	Jan/Feb	15	4665	0	4665
5.	Alignment and stacking for digging of pits	Feb/Mar	0.5	156	0	156
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	8	2488	0	2488
	Total		28.5	8863.5	100.0	8963.5
1st Year/ Planting Year						
1.	Refilling of pits by altering the dug-out soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/Jul	1.5	466.5	1000	1467
2.	Transportation of 18 months old polythene bag seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including Loading & unloading. (Average lead of 10 Rkm) & Stacking the seedling @ Rs. 6/- per Seedling. (220 nos.)	Jul/Aug	0	0	1320	1320
3.	Watering the polythene bag seedlings at stacking site plantation	Jul/Aug	0.5	155.5	0	156
4.	Conveyance of polythene bag seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	Jul/Aug	4.5	1399.5	0	1400
5.	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 10 kg @ Rs. 30/- per kg = Rs. 300.0 (b) Urea/ Vermicompost/ Mo Khats/ any other fertilizer @ Rs. 150.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 1 kg @ Rs. 150/- per kg = Rs. 150/-	Jul/Aug	0	0	600	600
6.	Casualty Replacement @ 10% (20 nos.)	Jul/Aug	0.5	156	0	156
7.	1 st weeding & Manuring	Aug/Sept	2	622	0	622
8.	2 nd Weeding, Soil working (1mt. diameter around the plants) and Manuring	Oct/Nov	3	933	0	933
9.	Fire line tracing & inspection path.	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering as per requirement	Aug-Mar	6	2488	0	2488
	TOTAL		23	7153	2920	10073
2nd Year Maintenance						
1.	Transportation of 20 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	120	120
2.	Planting for casualty replacement	Jul	0.5	155.5	0.0	155.5
3.	Cost of Fertilizer & Insecticide A) Cost of Insecticide/ Bio-pesticide (Themet/ forate) @ 5 gms/plant = 0.1 Kg @ Rs. 150/- per kg = Rs. 15/- B) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khats/ any other fertilizer @ Rs. 560/-	Jul	0	0	575	575
4.	Weeding (Complete weeding), Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	4	1244	0.0	1244
5.	Fire line tracing (2 m. wide fire line over 400 m long) & inspection path	Feb/Mar	3	933	0.0	933
6.	Watch & Ward including watering as per requirement	Apr-Mar	18	3732	0.0	3732
	TOTAL		19.5	6064.5	695.0	6759.5

Year wise Abstract of Cost Norm (Showing seedling cost separately)							
Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost (in Rs.)	Monitoring Evaluation, Learning, Documentation and Other Contingency (5% of (4+5))	Cost of Seedlings @ Rs. 50.31 per seedlings	TOTAL COST
1.	0 th Year	28.5	8863.5	100	436.50	0.00	9400.0
2.	1 st Year	23.0	7153.0	2920	427.00	11068.00	21568.0
3.	2 nd Year	19.5	6064.5	695	240.50	1006.00	8006.0
4.	3 rd Year	19.0	5909.0	560	231.00	0.00	6700.0
5.	4 th Year	15.0	4665.0	0	135.00	0.00	4800.0
6.	5 th Year	15.0	4665.0	0	135.00	0.00	4800.0
7.	6 th Year	15.0	4665.0	0	135.00	0.00	4800.0
8.	7 th Year	15.0	4665.0	0	135.00	0.00	4800.0
9.	8 th Year	15.0	4665.0	0	135.00	0.00	4800.0
10.	9 th Year	15.0	4665.0	0	135.00	0.00	4800.0
11.	10 th Year	15.0	4665.0	0	135.00	0.00	4800.0
Total		195.0	60645.0	4275.0	2280.0	12074	79274.0

Matrix for Core Plantation for Compensatory Afforestation @ 200 Seedlings/Ha. with 10 year maintenance

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	Total Cost	
	8344 North	9400	31558	8606	8703	4800	4800	4800	4800	4800	4800	4800										
1	2021-22	9400	22646	8836	7756	5924	5432	5432	6794	7062	7448	7833										96131
2	2022-23		9979	23778	8361	8444	6432	6432	8794	7062	7447	7830	8216									100310
3	2023-24			10344	34661	8730	6432	6432	8794	7062	7447	7819	8206	8621								105246
4	2024-25				10082	26215	8979	8979	8794	7062	7447	7819	8216	8651	9050							111288
5	2025-26					11658	27528	10718	9426	7982	7447	7819	8216	8651	9050	9505						118932
6	2026-27						11987	20032	13284	8899	7447	7819	8216	8651	9050	9505	9960					122694
7	2027-28							12927	30347	11827	10394	7819	8216	8651	9050	9505	9974	10478				128828
8	2028-29								32027	31664	12443	10914	8718	8651	9050	9505	9980	10437	11020			135771
9	2029-30									12888	12847	12029	11460	8621	9050	9505	9986	10479	11020	11553		142035
10	2030-31										14582	35130	12691	12833	9050	9050	9280	10479	11020	11553	12131	149137

Fencing for Compensatory Plantation raised inside the Forest Area using Bamboo Twigs & Thorns						
Sl. No.	Items of work	Preferable Period of Execution	Man days	Wages	Material Cost (Rs.)	Total Cost (Rs. per Ha.)
0th Year (Advance Work)						
1.	Nil		0	0	0	0
1st Year Maintenance						
1.	Taking an average perimeter of 250 Km/ Ha. @ 93.85/ mt. (Half bundle Bamboo Twigs/ mt. @ 120/ Bundle) Labour Material = 40.60 (approx)	Sept/Oct	30	9780	14133	23913
2.	Bamboo poles of 8 height at a distance of 2 mt. spacing to be fixed (2" under soil & 2" above soil) 250/2 = 125 + 1 = 126 Nos. of Bamboo Poles 1 Bamboo (approx) 24" height = 3 poles 126/3=42 Bamboos @ 200/ Bamboo	Sept/Oct		0	8400	8400.0
3.	Preparation of Bamboo poles, Digging of holes of 2 ft. depth & fixing Bamboo poles @ 20 poles/MD	Sept/Oct	6.5	2119		2119
4.	Cost of Bamboo for being the Bamboo twigs row fence with double side two strand Bamboo batten (One 6" above ground and other one 4 ft. above ground) (250x2)/24=21 Bamboo @ 200/Bamboo	Sept/Oct		0	4200	4200.0
5.	Making Bamboo batten, Finishing the Batten & Tying the same on double strand up Coir rope etc. @ Rs. 11/ Rmt.	Sept/Oct	9	2934		2934
6.	Cost of coir rope @ Rs. 0.125 kg/ Rmt. 500x0.125 kg = 62.5 kg @ Rs. 70/Kg	Sept/Oct		0	4375	4375.0
7.	Making one Bamboo Twigs gate with Bamboo frame			0	500.5	500.5
	TOTAL		45.5	14833	31608.5	46441.50
2nd Year Maintenance						
1.	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./ Mar	20	6520	1500	8020
Rate per running mt. 7720/250 = 30.88 or say Rs. 31-Rmt.						
3rd Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost.	Feb./Mar	20	6520	5675	12195
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
4th Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6520	5673	12193
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
5th Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6520	5673	12193
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						

Abstract					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs.)
1.	0 th Year	0.0	0.0	0.0	0.0
2.	1 st Year	45.5	14833	31608.5	46442.00
3.	2 nd Year	20.0	6520	1500.0	8020.00
4.	3 rd Year	20.0	6520	5675.0	12195.00
5.	4 th Year	20.0	6520	5675.0	12195.00
6.	5 th Year	20.0	6520	5675.0	12195.00
	Total	125.5	40913.00	50133.50	91047.00

Fencing Model-B-II

Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (250 Rm/ Ha.)

WAGE RATE Rs- 311/- PER DAY

Sl. No	Name of work	Preferable Period of Execution	Man days	Wages	Material cost (Rs)	Total Cost (Rs. per Ha.)
0th Year (1990)						
1	Gate wire (Exclusion of gate) in 1140 sq ft at a distance of 100 m. 0.40m x 0.40m x 0.10m = 0.016 x 91 = 5.376 cum @ Rs. 140/cum = Rs. 753		2.42	753.62	0.0	753.6
2	Chain link wire (1:6:8) using 40 mm dia mesh 84 X 0.40m X 0.40m X 0.10m = 1.344 @ 2755/94/cum		0	0	5047.8	5047.8
3	Angle iron pole of size 50 mm X 50 mm X 6 mm of height 2.40 m. 84 x 2.40 = 201.60 Sqm. @ 450/Sq. Sqm. = 907.20 kg @ 69.52 per kg				63050.0	63050.0
4	Concrete blocks (1:2:4) for lining the wall along gate using 1:4:8 concrete. 840 Chbs. 84 X 0.40m X 0.40m X 1.20m = 4.032 cum @ 5406.77/cum				22123.0	22123.0
5	Cost of Chain link mesh using 4 mm dia GI wire having gap size 50 mm X 50 mm. 250 Rm X 2.10 m. = 525 Sqm @ 331/Sqm = Rs. 1,73,775				1,73,775.0	1,73,775.0
6	Double end joining of pole angle pole over 3 cum of concrete using good quality concrete. 84 x 2.10 x 0.20 = 35.28 sqm. @ Rs. 300.00/Sqm				3836.0	3836.0
7	Painting of GI mesh with red oxide. 250 x 2.10 x 2 = 1050/Sq. @ 105/Sqm. @ Rs. 100.00/Sqm.				11,424.0	11,424.0
8	Transportation of Chain link mesh, iron angle strengthening & lining of chain link mesh etc. @ 2% of the total cost.				5600.0	5600.0
TOTAL			2.42	753.62	3,84,857.4	2,85,610.0

Rate per running mt. 2,85,610/150 = Rs. 1904/Rm

1st Year Maintenance		2nd Year Maintenance	3rd Year Maintenance	4th Year Maintenance	5th Year Maintenance	6th Year Maintenance	7th Year Maintenance	8th Year Maintenance	9th Year Maintenance	10th Year Maintenance
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
2	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
3	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
4	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
5	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
6	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
7	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
8	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
9	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				
10	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1st yr. 1142x 1% = 11.42 say Rs. 11	Sept./Oct	0	0	11000	11000				

Sl. No	Details of work	Preferable Period of Execution	Man days	Wages	Material cost (Rs.)	Total Cost (Rs. per Ha.)
1	Maintenance of wire mesh fence at 1% per annuming cost of Rs. 100000 in 1st yr. 1142x 1% = 1142 (Rs. 11)	Sept./00	0	0	11000	11000

Abstract

Sl. No	Year	No. persons days	Labour cost @ Rs. 111/- per day	Material Cost	Total cost (Rs.)
1	0th year	2.42	752.6	294957.4	295710.0
2	1st year	0.0	0.0	0.0	0.0
3	2nd year	0.0	0.0	11000.0	11000.0
4	3rd year	0.0	0.0	11000.0	11000.0
5	4th year	0.0	0.0	11000.0	11000.0
6	5th year	0.0	0.0	11000.0	11000.0
7	6th year	0.0	0.0	11000.0	11000.0
8	7th year	0.0	0.0	11000.0	11000.0
9	8th year	0.0	0.0	11000.0	11000.0
10	9th year	0.0	0.0	11000.0	11000.0
11	10th year	0.0	0.0	11000.0	11000.0
Total:		2.42	752.62	303857.4	3,84,610.0


 APCEP (Forest Division & NO. FC Act)

Watering Model-N-II		Watering provision to CA Plantation			
Diesel pump set with Bore well (1 pump set + Bore well for 5 Ha Plantations), Wage rate @ Rs.311/-					
Year of Installation (0th Year)					
1	Cost of Bore well	1,50,000			
2	Cost of Diesel pump set SHP	10,000			
3	Diesel pump set & accessories like controller, Pipes, etc.	30,000			
4	Water Storage Tanks/ Flexible pipes	15,000			
		2,05,000			
Cost of Water per Plant (2,05,000/ 5000) = Rs. 51/-			41,000		
Cost of Water per Ha = Rs 51,000/-					
1st Year Watering					
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000		
2	Watering 1000 Plants (Nov-Mar) @ 200 plants/100 with 7 days rotation 20 MD x 5 months = 100 MD x 311 =		31,100		
			Total 52,100		
2nd Year Watering					
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000		
Maintenance Diesel pump set etc. @ 15 % of the installation cost.			7,650		
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/100 with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760		
			Total 78,410		
3rd Year Watering					
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000		
Maintenance Diesel pump set etc. @ 15 % of the installation cost.			7,650		
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/100 with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760		
			Total 78,410		
4th Year Watering					
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000		
Maintenance Diesel pump set etc. @ 15 % of the installation cost.			7,650		
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/100 with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760		
			Total 78,410		
5th Year Watering					
1	Recurring expenditure i.e Diesel, Mobil, Engine Oil, etc. for pumping Water -21 x 1000-		21,000		
Maintenance Diesel pump set etc. @ 15 % of the installation cost.			7,650		
2	Watering 1000 Plants (April- June & Nov-Mar- 8 months) @ 200 plants/100 with 7 days rotation 20 MD x 8 months = 160 MD x 311 =		49,760		
			Total 78,410		
Abstract					
Sl. No	Year	No. persons days	Labour cost @ Rs. 311/- per day	Material Cost	Total cost (Rs.)
1	0th year	0	0.0	1,00,000.0	21,000.0
2	1st year	1000	31,100.0	21,000.0	52,100.0
3	2nd year	160	49,760.0	28,650.0	78,410.0
4	3rd year	160	49,760.0	28,650.0	78,410.0
5	4th year	160	49,760.0	28,650.0	78,410.0
6	5th year	160	49,760.0	28,650.0	78,410.0
		Total	740	230,140.0	4,16,740.0


 APCCF (Forest Officer & MO, FC Act)

13

Matrix for Watering Model-W-1 (Diesel Pumpset Fitted with Borewell) per Ha

Sl. No.	Commence ment Year	In Rupees														Total Cost									
		Base Norm	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII		XIV	XV	XVI						
1	2021-22	5100	5100	78410	78410	78410	78410	102072																478284	
2	2022-23	5100	5100	86129	90771	95310	10072	105072	109206																582209
3	2023-24	5100	5100	94218	100000	105789	111578	117367	123156																327322
4	2024-25	5100	5100	102307	108089	113878	119667	125456	131245																553888
5	2025-26	5100	5100	110396	116178	121967	127756	133545	139334																581372
6	2026-27	5100	5100	118485	124267	130056	135845	141634	147423																610441
7	2027-28	5100	5100	126574	132356	138145	143934	149723	155512																640064
8	2028-29	5100	5100	134663	140445	146234	152023	157812	163601																673012
9	2029-30	5100	5100	142752	148534	154323	160112	165901	171690																706662
10	2030-31	5100	5100	150841	156623	162412	168201	173990	179779																741506

[Signature]
 AMCC (Forest Division & NO, FC Act)

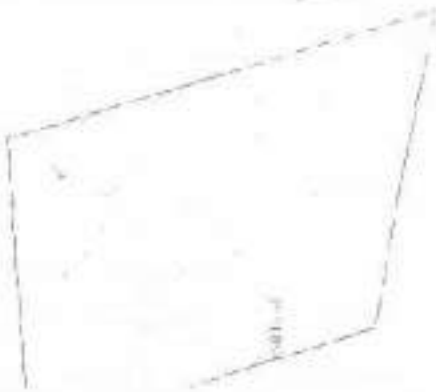
12/18/18

Forest Cover Map

FCM (Forest Cover Ratio)
OPEN FOREST
0.16
0.18



All results are in Square kilometers.

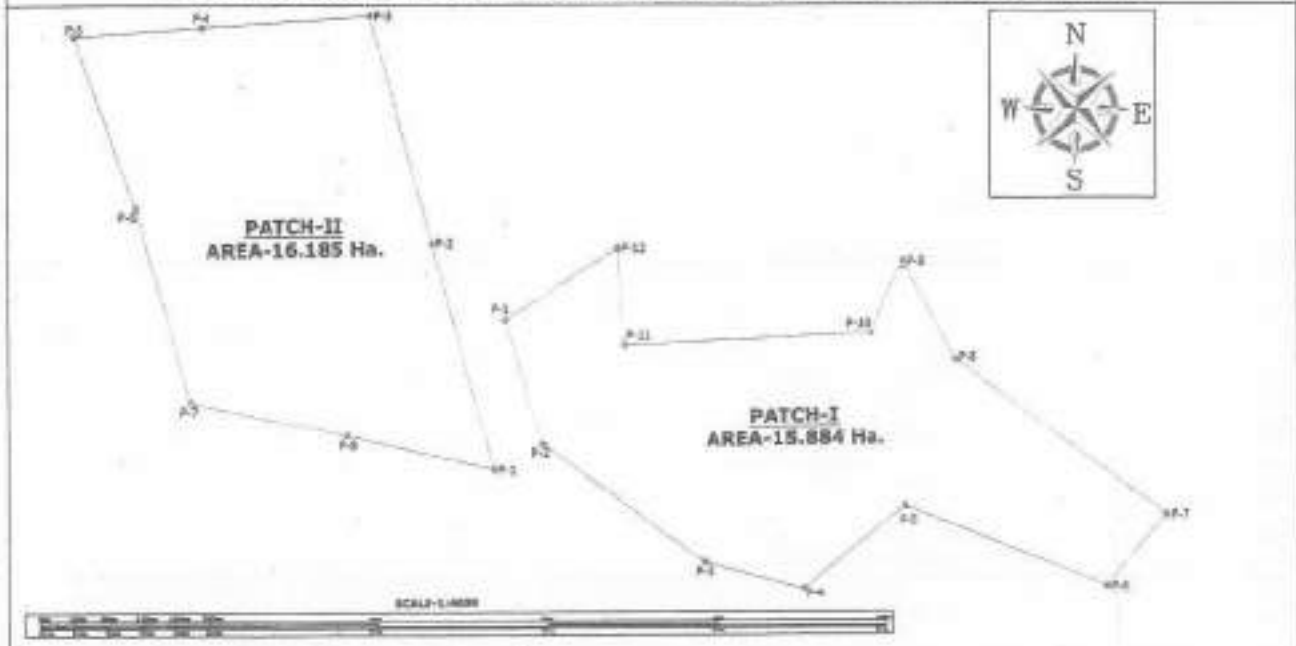


1st 312001 map 85700
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 12/18/18

MAP SHOWING THE AREA PROPOSED FOR PLANTATION OVER 32.069 Ha. IN BARABANKA RESERVE FOREST UNDER GHATAGAON RANGE OF KEONJHAR FOREST DIVISION, PERTAINING TO 1.5 TIMES SAFETY ZONE AREA FOR GUALI IRON ORE MINES OF OMC LTD.



COORDINATES & BOUNDARY DESCRIPTION OF PROPOSED AREA FOR PLANTATION (PATCH-II)

POINT	FROM	TO	LONGITUDE	LATITUDE	FORWARD BEARING	BACKWARD BEARING	DISTANCE IN METERS
1	1	2	87°44'51.1"	21°27'1.0"	337°20'	347°20'	102.48
2	2	3	87°44'56.7"	21°27'1.9"	10°30'	350°30'	74.76
3	3	4	87°45'11.7"	21°27'5.1"	34°30'	349°30'	133.31
4	4	5	87°45'36.7"	21°27'27.1"	31°30'	331°30'	135.84
5	5	6	87°45'51.7"	21°27'1.0"	11°30'	347°30'	102.48
6	6	7	87°45'56.7"	21°27'1.9"	37°30'	327°30'	108.37
7	7	8	87°46'11.7"	21°27'5.1"	30°30'	320°30'	107.76
8	8	9	87°46'36.7"	21°27'27.1"	28°30'	307°30'	128.80
9	9	10	87°46'51.7"	21°27'1.0"	347°30'	347°30'	102.48
10	10	11	87°47'16.7"	21°27'1.9"	37°30'	317°30'	105.20
11	11	12	87°47'41.7"	21°27'5.1"	30°30'	310°30'	104.80
12	12	1	87°47'56.7"	21°27'1.0"	349°30'	350°30'	103.31

- Certificate:**
- 1- Certified that the degraded forest land has not been allotted against any other project.
 - 2- Certified that the degraded forest land site has been demarcated with 4 ft. height RCC pillars.
 - 3- Certified that the GPS coordinates of all posted pillars along with PDSF No. & distance between pillars is inscribed in the RCC pillars.
 - 4- Certified that a durable sign board depicting the name of the project, scheme, year & status of the forest land along with the extent of the area is erected at the site.

COORDINATES & BOUNDARY DESCRIPTION OF PROPOSED AREA FOR PLANTATION (PATCH-I)

POINT	FROM	TO	LONGITUDE	LATITUDE	FORWARD BEARING	BACKWARD BEARING	DISTANCE IN METERS
1	1	2	87°46'16.7"	21°27'1.0"	347°30'	347°30'	102.48
2	2	3	87°46'31.7"	21°27'1.9"	37°30'	347°30'	105.20
3	3	4	87°46'46.7"	21°27'5.1"	30°30'	310°30'	104.80
4	4	5	87°47'11.7"	21°27'1.0"	349°30'	350°30'	103.31
5	5	6	87°47'26.7"	21°27'1.9"	37°30'	347°30'	105.20
6	6	7	87°47'41.7"	21°27'5.1"	30°30'	310°30'	104.80
7	7	8	87°47'56.7"	21°27'1.0"	349°30'	350°30'	103.31

INDEX

AREA PROPOSED FOR COMPENSATORY AFFORESTATION

DEMARCATED PILLARS

P-6

Forest Officer
 Range Officer
 Ghatagaon Range

Date: _____



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph No. 06766-254315, E.mail- dfu.keonjhar@odisha.gov.in

Letter No. 3601 /6F-Mining-19/2024

Dated, Keonjhar the 03rd May, 2024

To

The Executive Director (F&E),
M/s OMC Ltd, OMC House,
Bhubaneswar- 751001

Sub:

Proposal for diversion of 194.683 ha forest land involved in the mining lease area over 358.258 ha (as per DGPS) / 1365.026 ha as per RoR) of Iron Ore Mines of M/s OMC Ltd in Keonjhar District

X-Sub:

Demand of funds towards approved Scheme for afforestation on degraded forest land measuring 1.5 times Safety Zone area over 32.069 ha identified in Barabanka Reserve Forest under Ghatagaon Forest Range under Keonjhar Forest Division.

Ref:

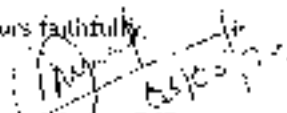
Memo No 1822 dated 30.04.2024 of Regional Chief Conservator of Forests, Rourkela Circle, Rourkela
Stage-I approval order F.No.8-96/1996-Fc dated 21.12.2023 of MoEF&CC, Govt, New Delhi

Sir

With reference to the aforementioned letter on the captioned subject, this is to intimate that, in complying to the condition No.2(c) of Stage-I approval order dated 21.12.2023 of MoEF&CC, Govt, New Delhi the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela has technically approved the Scheme for afforestation on degraded forest land measuring 1.5 times Safety Zone area over 32.069 ha identified in Barabanka Reserve Forest under Ghatagaon Forest Range under Keonjhar Forest Division in respect of your Guali Iron Ore Mines with a total financial outlay of Rs. (1,43,04,500/-) (Rupees one crore forty three lakh four thousand five hundred) only.

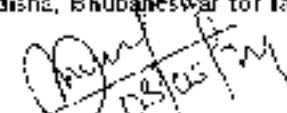
Accordingly, you are requested to deposit the approved amount of Rs.1,43,04,500/- (Rupees one crore forty three lakh four thousand five hundred) only in Orissa CAMPA Account through a portal of MoEF&CC, Govt as provided in the <https://pannest.in> and the bank statement of the deposit of fund to be submitted to this office for further necessary action at the end.

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

Memo No. 3602 / Dated. 03.05.24

Copy submitted to the Principal Chief Conservator of Forests, Forest Division (FD&ND), FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action


Divisional Forest Officer,
Keonjhar Division.

Memo No. 3603 / Dated. 08.05.24

Copy submitted to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela for favour of kind information and necessary action with reference to his memo No.1822 dated 30.04.2024.


Divisional Forest Officer,
Keonjhar Division.

AGENCY COPY

यूनियन बैंक of India Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/SG File No.	8-96/1996-FC (PT-4)
Location.	ORRISA
Address.	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

यूनियन बैंक of India Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

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Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Print

Back

Sl. No.	Description	Amount in (₹)
1.	Cn Schema	₹ 12,83,51,200/-
2.	SNC 10 Km Radius	₹ 2,73,53,900/-
3.	1.5 times safety zone	₹ 1,43,04,500/-
4.	Gap Plantation (100 m Radius outer perimeter)	₹ 36,39,900/-
Total		₹ 17,36,56,900/-

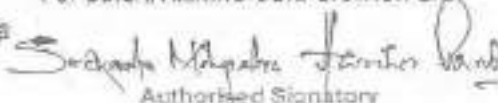
UBIN0996335 83392

dt. 26/06/2024



Dr. Sandhya Mishra
G.M. (F&E)
OMC Ltd.

For ODISHA MINING CORPORATION LTD



Sandhya Mishra
Authorized Signatory

SCHEME FOR
GAP PLANTING AND SOIL AND MOISTURE
CONSERVATION ACTIVITIES

TO RESTOCK AND REJUVINATE THE
DEGRADED OPEN FORESTS LOCATED
WITHIN 100 MTR FROM OUTER PERIMETER
OF THE MINING LEASE

IN KEONJHAR DISTRICT

FOR
GUALI IRON ORE MINES
UNDER KEONJHAR FOREST DIVISION

OF

M/S ODISHA MINING CORPORATION LTD.
(A GOVT.OF ODISHA UNDERTAKING)
OMC HOUSE, BHUBANESWAR-751001

(As per condition No.2.f. of the Stage-I Forest Clearance granted by MoEF & CC,
Govt. of India vide F.No. 8-96/1996-FC (PT.-1) dtd. 21.12.2023)

(ON ONE TIME COST NORM BASIS)

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Govt. of India vide F.No. 8-96/1996-FC (PT.-I) dtd. 21.12.2023)

(ON ONE TIME COST NORM BASIS)

CHAPTER-1

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

Guali Iron Ore Mining Lease was being operated by M/s R.P.Sao with forest clearance over 137.417 ha (Approved by MoEF & CC over 42.417 ha vide No.8-96-FC dt 14.01.2005 + 95.000 ha vide No.8-96-FC dt 06.09.2011).The lease was processed through auction after its expiry on dt 31.03.2020 and finally, the State Govt vide order No.324/SM dt 11.01.2021 has transferred all the valid rights, approvals, clearances, licenses and the likes vested with the previous lessee in favour of OMC Ltd. Subsequently, the State Govt vide order No.353/SM dt 12.01.2021 granted the mining lease for iron ore in favour of OMC in respect of Guali Iron Ore ML over an area of 358.258 ha in village Guali, Panduliposi etc. under Barbil Tahasil of Keonjhar district for a period of 10 years. Accordingly, the ML deed has been executed on dt 12.01.2021 and operation commenced since dt 12.01.2021 confined to approved forest area only.OMC, thereafter, submitted application for diversion of balance forest land over 194.683 ha and the MoEF & CC, Govt. of India vide letter No F No-8-15/2000-FC (vol.) dt 21.12.2023 accorded in-principle approval subject to fulfilment of 42 conditions.

The said ML area finds place within latitude 21° 59' 21.991" to 22° 00' 00.584" N and longitude 85° 17' 02.375" to 85° 18' 59.140" E in the Survey of India Topo Sheets bearing No. F 45 N 5 and F 45 H 8. The area exhibits an undulated topography with varying elevations from 598 m to 500 m above Mean Sea Level. This area is approachable from Barbil covering a distance of 20 km by Barbil-Bourkela National Highway No. 215. This area is also approachable from Kuira Town of Sundergarh District which is on NH No. 215 at a distance of 13 km. The nearest railhead is located at Barbil on Tata-Chaibasa-Banspani track of South-Eastern Railway. The district Head Quarter Keonjhar is at a distance of 80 km. The nearest Air strip is at Ranto at a distance of 12 km from the ML area. The mining leases located around Guali Iron Ore Mines of OMC are given as below for reference:

Sr No	Name of the lessee	Location	Area (ha)	Minerals
1	M/s K.C. Pradhan	Panduliposi	77.947	Iron ore
2	M/s OMC Ltd	Panduliposi	370.327	Manganese ore
3	M/s K.J.S Ahluwale	Panduliposi	42.997	Iron ore
4	M/s JSW Steel Ltd	Nuagaon	772.094	Iron ore
5	M/s S.N.Dasrahapatra	Katasahi	40.061	Manganese
6	M/s R.B.L Ltd	Katasahi & Rudukela	96.462	Manganese

Out of 42 conditions stipulated in the "In-principle approval" order granted by MoEF & CC, the condition No. 2 f. is read as under:

"The lessee agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded over forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF & CC before Stage-I Clearance."

In compliance with this condition, a comprehensive scheme is prepared for implementation of the same in the said ML. FCCF (N) vide letter dt 08.11.2021 and 01.12.2021 has issued one-time Cost Norm for Compensatory Afforestation. As per para-2 of the said guideline, Compensatory Afforestation to be prepared on "one time cost norm basis" by delinking the CA scheme to wage rate revision and material cost escalation for easy of doing business.

CHAPTER- II

DETAILS OF LAND IDENTIFIED FOR PLANTATION OVER 28.244 HAIN ANR MODEL @ 200 PLANTS/HA

IDENTIFICATION OF DEGRADED FOREST LAND

II(1) Details of identified Forest land:

Eastern and western boundary of Guali Iron Ore Mines is covered with agriculture land and there is no degraded forest land. Southern boundary of Guali Iron Ore Mines shares common boundary with Nuagaon Iron ore Mines of M/s JSW Steel Ltd., Also NH-215 passes within 100 meter outer perimeter of southern boundary of Guali Mining Lease. Hence there is no degraded forest land within in 100 meter outer perimeter in eastern, western and southern boundary of Guali Mining Lease. Around 28.244 ha of degraded forest land identified within 100 meter outer perimeter of northern boundary of Guali Iron Ore Mines. As per the DSS analysis report and field verification, Out of 28.244 ha, 14.1515 ha is found to be non-forest and open forest type and found suitable for plantation. Balance 14.0925 ha is found to be VDF and MDF category. Hence, plantation has been proposed over 14.1515 ha of degraded forest land and soil moisture conservation activities has been proposed over 14.0925 ha of dense forest land. No non-forest and open forest area over 14.1515 ha shall be taken up for plantation in ANR model @ 200 plants/ha. The location map on Survey of India Topo Sheet is enclosed as Plate No. 1. The area has been inspected by the Range Officer, Barbil Range and found to be suitable for Afforestation and free from encroachment and encumbrances. The area under operation by other lessees adjoining to Guali mines has been excluded from the plantation activities.

II(2) Character of existing vegetation of the identified site:

The prevailing forest growth in part of the forest land has been categorized under forest type- 3C/C_{1e} Moist Peninsular Valley Sal. The vegetation consists of Sal and its associates like Jamu, Senari, Asana, Karada, Dhaura etc.

ii(3) Suitability of the identified site:

The identified site is a degraded patch with existing vegetation of Sal and Sal associates. Gaps are sporadically spread over the forest block. The topography of the area is undulating in the identified area. The soil is mostly hard to sandy loam. The average maximum temperature is 42° to 45°C and minimum 5° to 10°C and annual rainfall varies from 1200 mm to 1800 mm. The maximum rainfall is received during the rainy season from July to September.

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

III(1)- GPS COORDINATES AND GPS MAP OF THE PLANTATION SITE

The area has been demarcated through GPS survey and GPS survey data showing latitude and longitude of each point and their chainage with bearing is also enclosed in the map prepared thereon. Copy of the GPS surveyed map is enclosed as Plate No. II.

CHAPTER-IV

AGENCY RESPONSIBLE FOR PLANTATION OVER 14.1515 Ha.

IV (1) - AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

The user agency shall provide funds to carry out plantation as per approved scheme. The funds are to be deposited in CAMPA Account by the User Agency.

The Territorial Wing of the Forest Department i.e. Divisional Forest Officer, Keonjhar Division shall be assigned with the task for execution of plantation work.

CHAPTER-V

DETAILS OF WORK SCHEDULE PROPOSED OVER 28.244 HA

A. PLANTING PLAN: Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proneness of the site to water logging etc. DSS map showing the plantation areas enclosed as Plate No. II.

Patch No.	Area suitable for Plantation(ha)		Area coming within MDF & VDF as per DSS (ha)	Total Area in Ha.
	Non-Forest	Open Forests		
Total patches	14.1515		14.0925	28.244

Species to be planted:-

1. *Adina cordifolia* (Kuruma)
2. *Anogeissus latifolia* (Dhaura)
3. *Asadirachta indica* (Neem)
4. *Gmelina arborea* (Gambhar)
5. *Terminalia chebula* (Haridra)
6. *Ficus religiosa* (Pipal)
7. *Ficus benghalensis* (Bara)

Besides, SMC activities has been proposed over 14.0925 ha of MDF and VDF area within 100 mtr perimeter from the ML boundary is to be executed as per the cost norm enclosed at Annexure-I.

B.PRE-PLANTING OPERATION

B (I)-RAISING OF PLANTATION STOCK- NURSERY

Nursery will be raised including seedlings for 10% causality replacement i.e 220 seedlings per hectare will be raised.

B (II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:8000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map.

C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene covering the ball of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel of a firm shoe so that there is a proper bond between the plant and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

D. POST PLANTING OPERATION

D (1) CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

D (2) WEEDING AND SOIL WORKING

Regular and efficient weeding will start immediately in the month of Aug. Sept.

D (3) MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, where available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the manure required and dosage will be applied in the month August to September as per the schedule and dosage provided in the Cost Norm

D (4) PROTECTION AGAINST FIRE AND GRAZING

Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation & protect the plant site from grazing by domestic animals using Bamboo Twig fencing around the plantation site over an area 3204 Rmt.


CHAPTER-VI

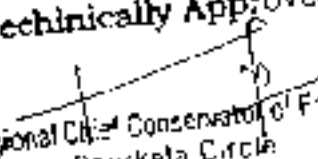
REQUIREMENT OF FUNDS

In order to implement all the prescriptions outlined above, Rs 36,39,300.00 (Rupees thirty six lakhs thirty nine thousand three hundred) only will be required as detailed below.

1	ANR plantation over 14.1515 ha @ 200 plants/Ha with 10 years maintenance amounting to Rs. 111286/- per Ha (14.1515 x Rs 111286/-).	Rs 15,74,863.83
2	Bamboo twigs continuous fencing @Rs.115725.00/- per 250 Rmt over 3204 Rmt including maintenance. (Rs 115725 x 12 816.3204/250)	Rs. 14,63,131.60
3	SMC activities over 14.0925 ha of MDF & VDF area amounting to Rs 41248/- per Ha	Rs.5,81,287.14
TOTAL PLANTATION COST		Rs 36,39,282.87
		Rs 36,39,300.00

(Rupees thirty six lakhs thirty nine thousand three hundred) only


Divisional Forest Officer,
Keonjhar Division

Technically Approved

Regional Chief Conservator of Forests
Bhubaneswar Circle

CHAPTER-VII

PROVISION OF FUNDS AND FUND UTILIZATION

Rs 36,39,300.00 (Rupees thirty six lakhs thirty nine thousand three hundred) only shall be deposited by M/s ONC Ltd on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising plantation over 14.1515 Ha of Non-forest and Open Forest area and implementation of SMC activities over 14.0925 Ha of MDF & VDF area by the Divisional Forest Officer, Keonjhar Division on allotment by the Principal Chief Conservator of Forests Odisha, Bhubaneswar


Divisional Forest Officer,
Keonjhar Division

Base Cost Norm For Compensatory Afforestation through Aided Natural Regeneration (ANR)@200 Seedlings/ Ha. (18 months old seedling)

Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in Rs.)	Material Cost (in Rs.)	Total Cost (in Rs.)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1.	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3.	Site preparation	Nov/Dec	2	622	0	622
4.	Silvicultural operations including clearance of weed, cutting of climber, High stumps cutting, singling of shoots & removal of cut out after drying from the field to blank space	Jan/Feb	15	4665	0	4665
5.	Alignment and stacking for digging of pits	Feb/Mar	0.5	156	0	156
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	8	2488	0	2488
Total			28.5	8863.5	100.0	8963.5
1st Year/ Planting Year						
1.	Refilling of pits by altering the dug-out soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same property.	Jun/Jul	1.5	466.5	1000	1467
2.	Transportation of 18 months old polythene bag seedlings in three trucks/ tractor from the permanent/ Mega nursery to planting site including loading & unloading. (Average load of 10 R/m) & Stacking the seedling @ Rs. 6/- per Seedling. (220 nos.)	Jul/Aug	0	0	1320	1320
3.	Watering the polythene bag seedlings at stacking site plantation	Jul/Aug	0.5	156.5	0	156
4.	Conveyance of polythene bag seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizer & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	Jul/Aug	4.5	1399.5	0	1400
5.	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 10 kg @ Rs. 30/- per kg = Rs. 300/- (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs. 150.00/- (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 1 kg @ Rs. 150/- per kg = Rs. 150/-	Jul/Aug	0	0	600	600
6.	Caulicity bag cement @ 10 g (100 nos.)	Jul/Aug	0.1	156	0	156
7.	100 nos. 12.8 Manure	Aug/Sept	2	622	0	622
8.	100 Weeding 500 mm x 500 mm diametre around the plants and Manuring - one line tracing & inspection path	Oct/Nov	2	622	0	622
9.	Watch & Ward including watering 30 per requirement	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering 30 per requirement	Aug-Mar	8	2488	0	2488
TOTAL			23	7153	2920	10073
2nd Year Maintenance						
1.	Transportation of 20 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Ju	0	0	120	120
2.	Planting for caulicity replacement	Ju	0.5	156.5	0.0	156.5
3.	Cost of Fertilizer & Insecticide A) Cost of Insecticide/ Bio-pesticide (Themer/ lorate) @ 5 gms./plant = 0.1 Kg @ Rs. 150/- per kg = Rs. 15/- B) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs. 360/-	Ju	0	0	375	375
4.	Weeding (Complete weeding), Manuring & Soil working (1m diameter around the plants)	Sept/Oct	4	1244	0.0	1244

5.	Fire line tracing (2 m. wide fire line over 400 m long, & inspection path)	Feb/Mar	3	933	0.0	933
6.	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0.0	3732
TOTAL			19.5	6064.5	695.0	6759.5
Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in Rs.)	Material Cost (in Rs.)	Total Cost (in Rs.)
3rd Year Maintenance						
7.	<u>Cost of Fertilizer:</u> Urea/ NPK/ 20-fertilizer/ Vermicompost/ Mo Khat/ any other fertilizer = Rs. 560/-	Sept/Oct	0	0	560	560
8.	Weeding (Complete weeding), Manuring & soil working (1mt. diameter around the plants)	Aug/Sept	4	1244	0	1244
9.	Fire line tracing (2 m wide fire line over 400 m long) & inspection path	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732	0	3732
Total			19.0	5909.0	560.0	6469.0
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m long & inspection path)	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732	0	3732
Total			15	4665	0	4665
5th Year Maintenance						
1	Fire line tracing (2 m wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0	4665
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933.0
2.	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
7th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933
2	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
10th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933	0	933
2	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0

Year wise Abstract of Cost Norm (Showing seedling cost separately)

Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost (in Rs.)	Monitoring Evaluation, Learning, Documentation and Other Contingency (5% of (4+5))	Cost of Seedlings @ Rs. 50.31 per seedlings	TOTAL COST
1.	0 th Year	28.5	8863.5	100	436.50	0.00	9400.0
2.	1 st Year	23.0	7153.0	2920	427.00	11068.00	21568.0
3.	2 nd Year	19.5	6064.5	695	240.50	1006.00	8006.0
4.	3 rd Year	19.0	5909.0	560	231.00	0.00	6700.0
5.	4 th Year	15.0	4665.0	0	135.00	0.00	4800.0
6.	5 th Year	15.0	4665.0	0	135.00	0.00	4800.0
7.	6 th Year	15.0	4665.0	0	135.00	0.00	4800.0
8.	7 th Year	15.0	4665.0	0	135.00	0.00	4800.0
9.	8 th Year	15.0	4665.0	0	135.00	0.00	4800.0
10.	9 th Year	15.0	4665.0	0	135.00	0.00	4800.0
11.	10 th Year	15.0	4665.0	0	135.00	0.00	4800.0
	Total	195.0	60645.0	4275.0	2280.0	12074	79274.0

Matrix for ANR Plantation for Compensatory Afforestation @ 200 Seedlings/Ha with 10 year maintenance

In Rupees

Sl. No.	Plantation/Block	Area	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	Total Cost
	0487/2000	4000	5544	6074	6604	7134	7664	8194	8724	9254	9784	10314	10844	11374	11904	12434	12964	13494	14024	14554
1	2001-22	9550	7566	8236	8906	9576	10246	10916	11586	12256	12926	13596	14266	14936	15606	16276	16946	17616	18286	18956
2	2022-11		5870	7376	8246	9116	9986	10856	11726	12596	13466	14336	15206	16076	16946	17816	18686	19556	20426	21296
3	2024-14			1034	1364	1794	2224	2654	3084	3514	3944	4374	4804	5234	5664	6094	6524	6954	7384	7814
4	2024-21					1364	1794	2224	2654	3084	3514	3944	4374	4804	5234	5664	6094	6524	6954	7384
5	2025-28									1436	1866	2296	2726	3156	3586	4016	4446	4876	5306	5736
6	2026-31															1508	1938	2368	2798	3228
7	2021-38																			
8	2010-24																			
9	2020-10																			
10	2000-01																			

Fencing for Compensatory Plantation raised inside the Forest Area using Bamboo Twigs & Thorns						
WAGE RATE Rs. 311/- PER DAY						
Sl. No.	Items of work	Preferable Period of Execution	Man days	Wages	Material Cost (Rs.)	Total Cost (Rs. per Ha.)
0th Year (Advance Work)						
1	Nil		0	0	0	0
1st Year Maintenance						
2	Taking an average perimeter of 250 Rmt/Ha. @ 93.85/ mt. (Half bundle Bamboo Twigs/ mt. @ 120/ Bundle) Labour Material = 40.60 (approx)	Sept/Oct	30	9330	14133	23463.0
3	Bamboo poles of 8 height at a distance of 2 mt. spacing to be fixed (2' under soil & 2' above soil) 250/2 = 125 + 1 = 126 Nos. of Bamboo Poles 1 Bamboo (approx) 24' height = 3 poles 126/3=42 Bamboos @ 200/ Bamboo	Sept/Oct		0	8400	8400.0
4	Preparation of Bamboo poles, Digging of holes of 2 ft. depth & fixing Bamboo poles @ 20 poles/MD	Sept/Oct	6.5	2021.5		2021.5
5	Cost of Bamboo for being the Bamboo twigs row fence with double side two strand Bamboo batten (One 6' above ground and other one 4 ft. above ground) (250x2)/24=21 Bamboo @ 200/Bamboo	Sept/Oct		0	4200	4200.0
6	Making Bamboo batten, Finishing the Batten & Tying the same on double strand up Coir rope etc. @ Rs. 11/ Rmt.	Sept/Oct	9	2799		2799
7	Cost of coir rope @ Rs. 0.125 kg/ Rmt. 500x0.125 kg = 62.5 kg @ Rs. 70/Kg	Sept/Oct		0	4375	4375.0
8	Making one Bamboo Twigs gate with Bamboo frame			0	500.5	500.5
TOTAL			45.5	14150.5	31608.5	45579.50
2nd Year Maintenance						
9	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	1500	7720
Rate per running mt. 7720/250 = 30.88 or say Rs. 31-Rmt.						
3rdYear Maintenance						
10	Repair & Maintenance of Bamboo Twigs fence including Material cost.	Feb./Mar	20	6220	5675	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
4thYear Maintenance						
11	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	5673	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
5thYear Maintenance						
12	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	5673	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						

Abstract					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost	Total Cost (Rs.)
1	0 th Year	0.0	0.0	0.0	0.0
2	1 st Year	45.5	14150.5	31608.5	45759.00
3	2 nd Year	20.0	6220	1500.0	7720.00
4	3 rd Year	20.0	6220	5675.0	11895.00
5	4 th Year	20.0	6220	5675.0	11895.00
6	5 th Year	20.0	6220	5675.0	11895.00
Total		125.5	39030.50	50133.50	89164.00

Matrix for Fencing Model F-1 (Bamboo Twig)

In Ruppes

Sl No.	Commence ment Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
	Base Merit	0	45759	7720	11891	11895	11895											97067
1	2021-22	0	68047	6511	10791	10438	15181											104866
2	2022-23		0	51049	6433	11179	15181	15100										110214
3	2023-24			0	5272	1011	75102	15100	16727									115725
4	2024-25				0	15620	9853	15941	16727	11524								121512
5	2025-26					0	58401	10346	16738	17574	18453							127958
6	2026-27						0	6124	10963	17575	18453	19374						133468
7	2027-28							0	61387	11416	11454	19374	20345					140866
8	2028-29								0	67666	11976	19377	20345	21352				147650
9	2029-30									0	70986	12575	20346	21357	22430			155064
10	2030-31										0	74535	13204	21353	22430	23552		155064

SMC Works Model-C			
Cost Norms for creation of Compensatory Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha)			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost
0th Year (Pre-Planting Operation)			
7.	Nil		0
1st Year			
8.	Soil Conservation measure structures like Straggler Trench, Benches pt, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WFS as per the slope & site requirement on LS	Apr, Sept	20,215
2nd Year			
9.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
3rd Year			
10.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
4th Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
5th Year			
11.	Maintenance of SMC structures @ 15 % of initial year cost	Apr/Jul	3,032
Total			52,343.0

ABSTRACT

Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost	Total Cost (Rs). Considered in the Matrix
1.	0 th Year	0.0	0.0	0.0	0.0
2.	1 st Year	3.0	0.0	20,215.0	20,215.00
3.	2 nd Year	1.0	0.0	3,032.00	3,032.00
4.	3 rd Year	1.0	0.0	3,032.00	3,032.00
5.	4 th Year	0.0	0.0	3,032.00	3,032.00
6.	5 th Year	0.0	0.0	3,032.00	3,032.00
	Total	0.00	0.00	32,343.0	52,343.0

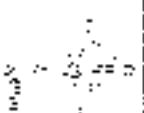
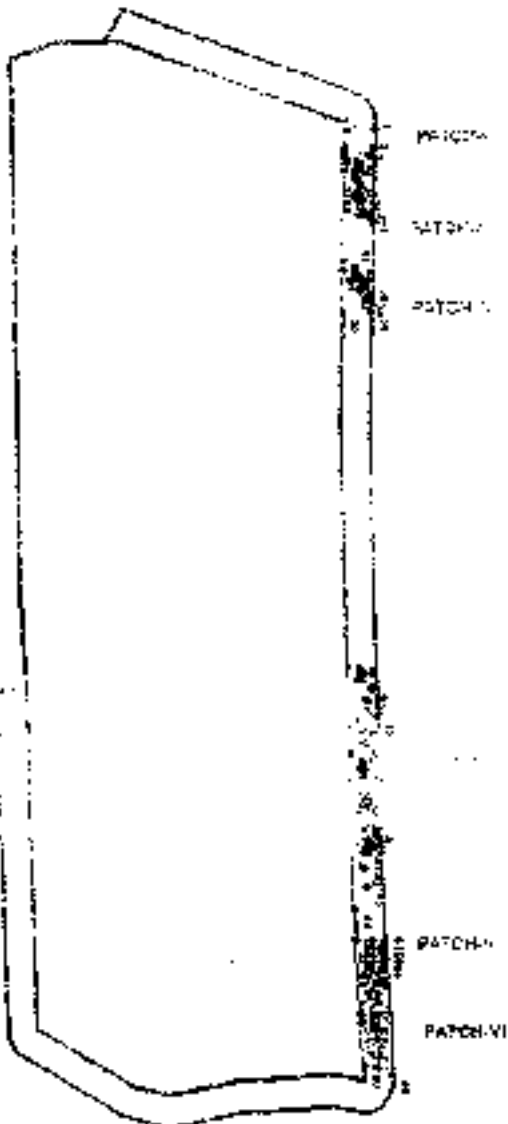
Matrix for (S/MC)

In Rupees

Sl. No.	Commencement Year	12	11	1A	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
	Base Norm	0	3037	3032	3032	3032											
1	2021-22	0	21239	2142	2065	2070											35623
2	2022-23	0		3210	3666	4064											37415
3	2023-24		3	2301	2664	3061	4267										35254
4	2024-25			0	14571	1868	4064	4265	4400								41248
5	2025-26				0	25800	4067	4267	44711	1704							47310
6	2026-27					0	27050	4267	4480	4702	4939						45475
7	2027-28						0	28445	4477	4704	4937	5116					47749
8	2028-29							0	29867	4701	4939	5164	5445				56136
9	2029-30								0	31360	4636	5106	5443	5717			52642
10	2030-31									1	32028	5187	5445	5715	6003		55274

ELEMENTS OF THE SCHEME FOR GAP PLANTATION

CHAPTER	PARTICULARS	PAGE NUMBER
I	BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL	1-2
II	DETAILS OF LAND IDENTIFIED FOR GAP PLANTATION	2
III	DELINEATION OF PROPOSED AREA ON SUITABLE MAP	3
IV	AGENCY RESPONSIBLE FOR GAP PLANTATION	3
V	DETAILS OF WORK SCHEDULED PROPOSED FOR GAP PLANTATION	3-5
VI	REQUIREMENT OF FUNDS	5
VII	PROVISION OF FUNDS AND UTILIZATION	6
PLATES	PLATE NO. I: LOCATION MAP ON TOPO SHEET PLATE NO. II: MAP SHOWING PLANTATION AREA.	
ANNEXURES	ANNEXURE-I. COST NORM FOR ANR PLANTATION @200 PLANTS PER HA.	7-10
	ANNEXURE-II. BAMBOO TWIGS CONTINUOUS FENCING COST NORM FOR BLOCK OR MULTIROW AVENUE PLANTATION (LWD-6 RMT).	11-12
	ANNEXURE-III. SOIL AND MOISTURE CONSERVATION ACTIVITIES.	13-14



TRACT	ACRES	SECTION	TOWNSHIP	RANGE	SOUTH	WEST
10760	0.10	1	23N	11E	1	1
10761	0.10	1	23N	11E	2	1
10762	0.10	1	23N	11E	3	1
10763	0.10	1	23N	11E	4	1
10764	0.10	1	23N	11E	5	1
10765	0.10	1	23N	11E	6	1
10766	0.10	1	23N	11E	7	1
10767	0.10	1	23N	11E	8	1
10768	0.10	1	23N	11E	9	1
10769	0.10	1	23N	11E	10	1
10770	0.10	1	23N	11E	11	1
10771	0.10	1	23N	11E	12	1
10772	0.10	1	23N	11E	13	1
10773	0.10	1	23N	11E	14	1
10774	0.10	1	23N	11E	15	1
10775	0.10	1	23N	11E	16	1
10776	0.10	1	23N	11E	17	1
10777	0.10	1	23N	11E	18	1
10778	0.10	1	23N	11E	19	1
10779	0.10	1	23N	11E	20	1
10780	0.10	1	23N	11E	21	1
10781	0.10	1	23N	11E	22	1
10782	0.10	1	23N	11E	23	1
10783	0.10	1	23N	11E	24	1
10784	0.10	1	23N	11E	25	1
10785	0.10	1	23N	11E	26	1
10786	0.10	1	23N	11E	27	1
10787	0.10	1	23N	11E	28	1
10788	0.10	1	23N	11E	29	1
10789	0.10	1	23N	11E	30	1

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MADE FROM ORIGINAL RECORDS

AND

RECORDED

ON 11-11-1983

BY

ANGELA W. BRADY

COUNTY CLERK

- INDEX**
- PLANTATION AREA
 - MIN. DRILLING
 - 100 METERS BARRIERS



**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. 1587 /RF-910/2024 Date. 16.04.2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub.

Proposal for seeking prior approval of the Central Government under Section 7(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoF) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect of Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref. -

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of Gol, MoEF & CC, Govt of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F No. S-56/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Sap Plantation and Soil & Moisture Conservation Schemes to restore and rejuvenate the degraded open forests (having crown density less than 0.4), if any located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency;	No. 1 (f)	Rs 36,39,500/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and:	No 13 (d)	Rs 3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.

Encl.:- As above.

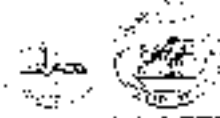
Memo No.

Date:


Regional Chief Conservator of Forests,
Rourkela Circle.

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION
Phone No- 06766-254315, email ID- dfo.keonjhar@odisha.gov.in

No. 3322 /Mining-
Dated, Keonjhar, the 23.04.2024

To,

The Executive Director,
M's OMC Ltd, OMC House,
Bhubaneswar- 751001

Sub:

Proposal for seeking prior approval of the Central Govt. under section- 2(i) of Forest (Conservation) Act, 1980 in favour of M's Odisha Mining Corporation Ltd for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS) 365.026 ha (As per RoR) of Ouali Iron Ore mines under Keonjhar Forest Division and District Keonjhar, Odisha.

X-Sub:

Demand of funds towards Gap Plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density 0.4) if any located in the area within 100 m from outer perimeter of the mining lease Scheme.

Ref:

Memo No. 1587 dated 16.04.2024 of Regional Chief Conservator of Forests, Rourkela Circle, Rourkela.

Sir

With reference to the aforementioned memo on the captioned subject, the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela has approved the Gap Plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density 0.4) if any located in the area within 100 m from outer perimeter of the mining lease Scheme with financial outlay of Rs. 30,39,500/-

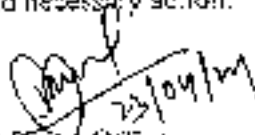
Hence, you are requested to deposit the approved amount of Rs. 30,39,500/- (Rupees thirty-six lakh thirty nine thousand three hundred) only towards the cost of Gap Plantation Scheme through e-portal of MoEF&CC, Govt. of India as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

Yours faithfully,


23/04/24
Divisional Forest Officer,
Keonjhar Division.

Memo No. 3323 /Dated 23.04.24

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela (Principal Chief Conservator of Forests, FD & NO. FC Act. On the PLCC&HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.


23/04/24
Divisional Forest Officer,
Keonjhar Division.

AGENCY COPY



 यूनियन बैंक ऑफ इंडिया Union Bank of India




NEFT / RTGS CHALLAN for CAMPA Funds

Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/SG File No.	8-96/1996-FC (PT.-I)
Location.	ORRISA
Address.	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre,21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY



 यूनियन बैंक ऑफ इंडिया Union Bank of India




NEFT / RTGS CHALLAN for CAMPA Funds

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Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Print

Back

Sl. No.	Description	Amount in (₹)
1.	CA Scheme	₹ 12,89,61,300/-
2.	SMC 10 Km Radius	₹ 2,75,51,900/-
3.	1.5 times safety zone	₹ 1,43,04,500/-
4.	Gap Plantation (100 m Radius outer perimeter)	₹ 16,39,300/-
Total		₹ 17,36,56,900/-

UBIN0996335 83392

dt. 26/06/2024



Dr. Sandhya Mishra
G.M. (F&E)
OMC Ltd.

For ODISHA MINING CORPORATION LTD


Sandhya Mishra
Authorized Signatory

7/2021/F & E



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION
Ph. No. 06766-254315, E. mail: dfo@kjdfo.gov.in

No. 328 / 6F-Mining- 2020
Dated, Keonjhar dte 11th January, 2021

To: The Executive Director (F&E),
M/s OMC Ltd, OMC House,
Bhubaneswar - 751001

Sub: Guideline under FC Act, 1980 in pursuance of the "The Mineral Laws (Amendment) Act, 2020" - regarding.

X-Sub: Demand of funds towards Net Present Value (NPV) in respect of Quail Iron Ore Block over 338,477 ha of forest land.

Ref: F.No.11-97/2018-FC dated 31.03.2020 & F.No.11-97/2018-FC Part(I) dated 05.05.2020 of MoEF&CC, Govt & Notification No.299/SM dated 11.01.2021 of O.S.D-cum-Addl. Secretary to Government, Steel & Mines Department, Govt. of Odisha.

Sir,
As per the Para-C of the guideline issued by the MoEF&CC, Govt vide F.No.11-97/2018-FC dated 31.03.2020 & F.No.11-97/2018-FC Part(I) dated 05.05.2020 and notification No.299/SM dated 11.01.2021 of O.S.D-cum-Addl. Secretary to Government, Steel & Mines Department, Govt. of Odisha, you are requested to deposit the amount of ₹25,49,57,750/- (Rupees twenty five crore thirty eight lakh **887** seven thousand seven hundred fifty) only @ ₹ 7.50 lakhs per ha towards Net Present Value (NPV) over 338,477 ha of total forest land involved within the Quail Iron Ore Block. This amount shall be deposited into the account of CAMPA, which will be adjusted against actual compensatory levies payable on the forest land at the time of approval under FC Act, 1980. The proof/evidence of the deposit of fund should be submitted to this office for further necessary action at this end.

Also, it is requested to follow the instruction and provision in the manual for making advance payment of NPV, vide the permission of Central Government under the FC Act, 1980 was granted for carrying out mining operation for a total term period of ten years from the date of commencement of new lease on the same iron ore deposit which was stipulated in the approval under FC Act, 1980 obtained by the previous lessee.

Further, it is intimated that the proposal No. & file No. of the earlier division by the previous lessee is furnished below for your reference.

Proposal No. EP/OR/MTN/19/1996 & File No. 8-96/96-FC (p).

Enclosure-1. Manual for advance payment of NPV.

2. F.No.11-97/2018-FC-Part(I) dated 05.05.2020 of MoEF&CC, Govt letter.

Yours faithfully,

[Signature]
11/01/2021
Divisional Forest Officer,
Keonjhar Division.

Memo No. 328 / Dated. 11.01.2021
Copy submitted to the Principal Chief Conservator of Forests, Forest Division and
Nodal Officer FC Act. Of the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour
of kind information and necessary action

[Signature]
11/01/2021
Divisional Forest Officer,
Keonjhar Division.

PTU



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No. 06766-234315, Email- dfo@fdof.od@gov.in

No. 322
/GF-Mining-2020
Dated, Keonjhar the 11th January, 2021

To
The Executive Director (P&E),
M/s OMC Ltd, OMC House,
Bhubaneswar-751001

Sub: Guideline under FC Act, 1980 in pursuance of the "The Mineral Laws (Amendment) Act, 2020" - regarding.

X-Sub: Demand of funds towards Net Present Value (NPV) in respect of Gull Iron Ore Block over 338.477 ha of forest land.

Ref: F.No.11-97/2018-FC dated 31.03.2020 & P.No.11-97/2018-FC Part(I) dated 05.05.2020 of MoEF&CC, GoI & Notification No.299/SM dated 11.01.2021 of O.S.D. cum-Addl. Secretary to Government, Steel & Mines Department, Govt. of Odisha.

As per the Para-C of the guideline issued by the MoEF&CC, GoI vide P. No. 11-97/2018-FC dated 31.03.2020 & F.No.11-97/2018-FC Part(I) dated 05.05.2020 and notification No.299/SM dated 11.01.2021 of O.S.D-cum-Addl. Secretary to Government, Steel & Mines Department, Govt. of Odisha,

you are requested to deposit the amount of ₹25,38,57,750/- (Rupees twenty five crore thirty eight lakh fifty seven thousand seven hundred fifty) only @ ₹ 7.50 lakhs per ha towards Net Present Value (NPV) over 338.477 ha of total forest land involved within the Gull Iron Ore Block. This amount shall be deposited into the account of CAMPA, which will be adjusted against actual compensatory levies payable on the forest land at the time of approval under FC Act, 1980. The proof/evidence of the deposit of fund should be submitted to this office for further necessary action at this end.

Also it is requested to follow the instruction and provision in the manual for making online payment of NPV, wherein prior permission of Central Government under the FC Act, 1980 was granted for carrying out mining operation for a maximum period of two years from the date of commencement of new lease on the same term and conditions which was stipulated in the approval under FC Act, 1980 obtained by the previous lessee.

Further, it is intimated that the proposal No. & file No. of the earlier diversion by the previous lessee is furnished below for your reference.

Proposal No.FP/OR/MIN/179/1996 & File No.8-96/96-FC (pt).
Enclosure-1. Manual for online payment of NPV,
2. F.No.11-97/2018-FC Part(I) dated 05.05.2020
of MoEF&CC, GoI letter.

Yours faithfully,
Divisional Forest Officer,
Keonjhar Division.

Memo No. 328 / Dated 11.01.2021
Copy submitted to the Principal Chief Conservator of Forests, Forest Division and
Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour
of kind information and necessary action.

PTO

CRISSA CAMPUS CORPORATION LTD. 2021
KARNATAKA

Resorts / Query By Account

e-Pay Order Details

e-Pay Order Details

e-Pay Order Number: CRSSHP0004
e-Pay Order Status: Success

12-Jan-2021

CRISSA CAMPUS

Twenty Five Crores Thirty Eight Lacs Fifty Seven Thousand Seven Hundred and

25,38,57,730.00

Fifty only

00000108-214503

BHUSANDEWAR MAIN BRANCH

SHARAD K
POURAY

SARAJ KUMAR
PRUSTY

Hartar Parda
Authorised

Authorised

CRSSHP0004

Transaction Type

RTGS

Transaction Type

RTGS Funds Transfer

System Number

Debit Account Details

Account No

00000108-214503

CRISSA

000001081214503

BHUSANDEWAR MAIN BRANCH

25,38,57,730.00

Credit Account Details

Beneficiary Name/Account

New Delhi Complex

Account

CRISSA

CRISSA

CRISSA

NEW DELHI COMPLEX NEW DELHI
COMPLEX/CRP0000071

25,38,57,730.00

Pending

CRSSHP0004

CAMPUS/CRSSHP0004

25,38,57,730.00

Summary

25,38,57,730.00



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfo@kjd.gov.in

No. 356 /6F-Mining-18/2021
Dated, Keonjhar the 12-01-2021

To: The Collector & District Magistrate,
Keonjhar

Sub: Reservation of Guali Iron Ore Block over an area of 365.026 ha (as per RoR) /358.258 ha (As per DGPS) in Keonjhar District as per provision of section 17 A (2) of MMDR Act read with order No. F.No 4/1/2020 - M.VI, dated 05.01.2021 of Central Govt. in Ministry of Mines in favour of OMC Ltd. for mining lease over a period of 10 years.

Ref: Notification No. 283/SM dated 11.01.2021 and order No. 324/SM dated 11.01.201 of Govt. of Odisha Steel and Mines Department.

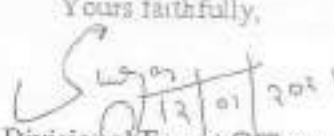
Sir,

With reference to the Letter No. cited above on the captioned subject, this is to intimate you that M/s OMC Ltd. has deposited Rs. 25,38,57,750.00 (Rupees twenty five crore thirty eight lakhs fifty seven thousand seven hundred fifty) only towards the cost of Net Present Value (NPV) of the forest land over 338.477 ha involves in the above mentioned Mining block Vide UTR No. SBIN521012176323 dated 12.01.2021 in Orissa CAMPA Account (Copy enclosed).

This is for favour of your kind information and necessary action.

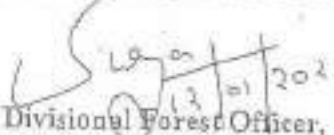
Encl:-As above.


Yours faithfully,


12/01/2021
Divisional Forest Officer,
Keonjhar Division

Memo No. 357 Dated 12-01-2021

Copy forwarded to Joint Director of Mines, Joda, Keonjhar for information and necessary action.


13/01/2021
Divisional Forest Officer,
Keonjhar Division


Suman Krishna Sit
General Manager (Geo)
Power of Attorney Holder
M/s. Mining Corporation Ltd.
Bhubaneswar



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- ffc.keonjhar@odisha.gov.in

No. 661 Mining-02/2024

Dated, Keonjhar the 23rd January, 2024

To

The Executive Director,
M/s OMC Ltd, OMC House,
Bhubaneswar- 751001.

Sub

Proposal for seeking prior approval of the Central Government under Section-2(ii) of the Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS) / 365.026 (As per RoR) of Guali Iron Ore Mines under Forest Division and District Keonjhar, Odisha (Online Proposal No. FP/OR/MIN/140713/2021).

X-Sub:

Demand of funds towards Net Present Value (NPV).

Ref

F.No 8-95/1996-FC(PT-I) dated 21.12.2023 of MoEF&CC, Govt. of India
This office letter No.89 dated 03.01.2024
Your letter No.351 dated 05.01.2024.

Sir

With reference to the aforesaid letters on the captioned subject, this is to intimate that in compliance to the observation raised by MoEF&CC, Govt. of India dt. 21.12.2023, you were requested to deposit an amount of Rs.27,96,95,225.00 or say Rs. 27,96,95,226/- (Rupees twenty-seven crore ninety-six lakh ninety-five thousand two hundred twenty-six) only towards Net Present Value (NPV) over 194.683 ha Forest land in respect of the above forest diversion proposal as per guideline issued vide F. No. 5-3/2011-FC (Vol-I) dated 06.01.2022 & F. No. 5-3/2011-FC (Vol-I) dated 22.03.2022 of MoEF&CC, GoI at the rate of Rs. 14,36,670/- per ha (Ecc value Class I, Canopy Density- 0.5) and as per Site Inspection Report of the undersigned dt. 03.10.2021 & 10.10.2021.

Now you have requested that your letter should refer to the sum amount of Rs.25,38,57,750/- over 332.477 ha forest land involved in Guali Iron Ore Mines deposited in Ad-hoc CAMPA Account through RTGS vide UTR No. SBINS21012176323 dated 12.01.2021. Further, you have intimated that in total 332.100 ha forest land is involved in Guali Iron Ore Mines of M/s OMC Ltd.

and whereas, the MoEF&CC, Govt. of India vide F. No.11-97/2018-FC dated 31.03.2020 and F. No. 8-17/2001-FC(Vol) dated 11.12.2022 and Govt. of Odisha, FE&CC Department vide his memo No.22998/FE&CC dated 12.12.2022 has issued guideline for adjustment of already deposited lump sum amount @7.50 lakh / ha (for total forest area within ML) against actual compensatory levies payable on the forest land at the time of approval.


In view of the above, you are requested to deposit Rs. 22,32,60,355.00 (Rs. 47,71,18,107.00 (332.100 ha x Rs. 14,36,670 00) – Rs.25,38,57,750.00 (lump sum amount @ 7.50 lakhs in total Rs.25,38,57,750/- over 332.477 ha forest land involved in Guali Iron Ore Mines deposited in Ad-hoc CAMPA on dated 12.01.2021)).

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The above demanded amount has to be deposited in Orissa CAMPA Account only through e-portal (<https://parivesh.nic.in/>) and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

The earlier demand letter issued vide this office letter No.89 dated 03.01.2024 is hereby cancelled.

Yours faithfully,

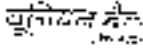
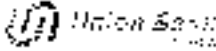

23/01/24
Divisional Forest Officer,
Keonjhar Division.



Memo No. 662 / Dated. 23.01.2024

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle/ Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar for favour of kind information and necessary action.


23/01/24
Divisional Forest Officer,
Keonjhar Division.

AGENCY COPY

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-01-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713584
McERFG File No.	8-661996-FC-(PT-I)
Location.	ORISSA
Address.	ONG House Khordha
Amount(In Rs)	222260357/-

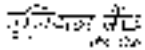
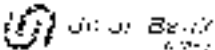
Amount in Words: Twenty-Two Crore Thirty-Two Lakh Eighty Thousand Three Hundred and Fifty-Seven Rupees Only



NEFT/RTGS to be made as per following details.

Beneficiary Name	ORISSA CAMPA
IFSC Code.	UORIN0906195
Pay to Account No.	15682561407-13584 valid only for this challan amount
Bank Name & Address.	Union Bank Of India FDS Centre, 21/1, III Floor, Jaitra Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to the Beneficiary as per details mentioned here.

BANK COPY

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-01-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713584
McERFG File No.	8-661996-FC-(PT-I)
Location.	ORISSA
Address.	ONG House Khordha
Amount(In Rs)	222260357/-

Amount in Words: Twenty-Two Crore Thirty-Two Lakh Eighty Thousand Three Hundred and Fifty-Seven Rupees Only

NEFT/RTGS to be made as per following details:

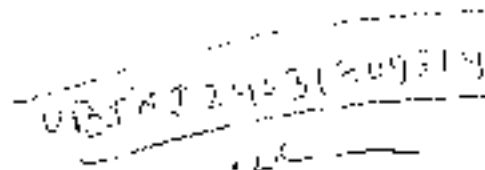
Beneficiary Name	ORISSA CAMPA
IFSC Code.	UORIN0906195
Pay to Account No.	15682561407-13584 valid only for this challan amount
Bank Name & Address.	Union Bank Of India FDS Centre, 21/1, III Floor, Jaitra Towers, Mission Road, Bengaluru-560027

* This Challan is strictly to be used for making payment to the Beneficiary as per details mentioned here.

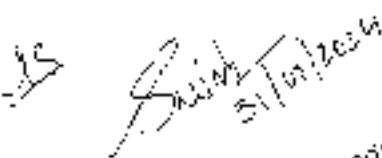
For any banking related query, please contact the branch of the beneficiary bank. For any other queries, please contact the branch of the issuing bank. For any other queries, please contact the branch of the issuing bank. For any other queries, please contact the branch of the issuing bank.

Email: frb@unionbankofindia.com or frb@unionbankofindia.com and reference ID: frb@unionbankofindia.com

09090370@unionbankofindia.com


 0909037031809318

Deborah Mehta


 Dr. Sandhya Mehta
 Addl. GM (S&E)
 OMC Ltd





OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No. 06766-254315, E-mail- dfo.keonjhar@odisha.gov.in

Letter No. 3935 /6P-Mining-19/2024

Dated, Keonjhar the 13th May, 2024

To

The Executive Director (F&E),
M/s OMC Ltd, OMC House,
Bhubaneswar- 751001

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of the Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS) / 365.026 (As per RoR) of Guali Iron Ore Mines under Forest Division and District Keonjhar, Odisha (Outline Proposal No. EP/OR/MIN/140713/2021)

X-Sub:

Demand of funds towards approved Soil Moisture Conservation Plan around 10 Km radius of the mining lease area of Guali Iron Ore Mines under Keonjhar Forest Division.

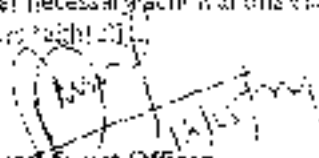
Ref:

1. Memo No 1939 dated 06.05.2024 of Regional Chief Conservator of Forests, Rourkela Circle, Rourkela.
2. Stage-I approval order E.No.8-9/1996-FC dated 21.12.2023 of MoEF&CC, Govt, New Delhi.

Sir

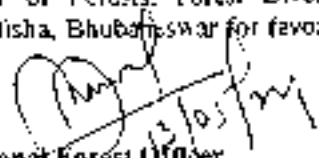
With reference to the aforementioned letter on the captioned subject, this is to intimate that in complying to the condition No 2(i) of Stage-I approval order dated 21.12.2023 of MoEF&CC, Govt, New Delhi the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela has technically approved the Scheme for Soil Moisture Conservation Plan around 10 Km radius in respect of your Guali Iron Ore Mines with a total financial outlay of Rs.2,73,51,900/- (Rupees two crore seventy three lakh fifty-one thousand nine hundred) only.

Accordingly, you are requested to deposit the approved amount of Rs.2,73,51,900/- (Rupees two crore seventy three lakh fifty-one thousand nine hundred) only in Orissa CAMPA Account through e-portal of MoEF&CC, Govt as provided in the <https://parivesh.nic.in> and the proffidence of the deposit of fund be submitted to this office for further necessary action at this end.


Divisional Forest Officer,
Keonjhar Division.

Memo No. 3936 / Dated. 13.05.2024

Copy submitted to the Principal Chief Conservator of Forests, Forest Division (FD&NO), FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.


Divisional Forest Officer,
Keonjhar Division.

Memo No. 3937 / Dated. 13.05.2024

Copy submitted to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela for favour of kind information and necessary action with reference to his memo No 1939 dated 06.05.2024.


Divisional Forest Officer,
Keonjhar Division.

AGENCY COPY

यूनियन बैंक Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/S&G File No.	8-96/1996-FC (PT.-I)
Location.	ORRISA
Address.	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jalitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

यूनियन बैंक Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 25-06-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713785
MoEF/S&G File No.	8-96/1996-FC (PT.-I)
Location.	ORRISA
Address:	OMC House Khordha
Amount(In Rs)	173656900/-

Amount in Words :Seventeen Crore Thirty-Six Lakh Fifty-Six Thousand Nine Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	1508258140713785 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jalitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Print

Back

Sl. No.	Description	Amount in (₹)
1.	CA Scheme	₹12,83,61,200/-
2.	S&C 10 km Radius	₹2,73,51,900/-
3.	1.5 times safety zone	₹1,43,04,500/-
4.	Gap Plantation (100 m Radius outer perimeter)	₹36,39,300/-
Total		₹17,36,56,900/-

UBINJ241785 83392

dt. 26/06/2024

Dr. Sandhya Mishra
G.M. (F&E)
OMC Ltd.

For ODISHA MINING CORPORATION LTD

Authorized Signatory



No. 1277/OMC/GUALI/2024
Date- 30/05/2024

To

The Jt. Director(S)
Ministry of Environment, Forest & Climate Change
Integrated Regional Office, Bhubaneswar
A/3, Chandrasekharpur,
Bhubaneswar-751023

Sub: Submission of six-monthly report on status of compliance to the stipulated EC conditions pertaining to Guali Iron Ore Mines of OMC Ltd. for the period October, 2023 to March, 2024.

Ref: Environmental Clearance Letter/No.: No. J-11015/8/2007-IA-II(M), dated 30th November 2007;
Environmental Clearance Letter/No.: No. J-11015/1155/2007-IA-11(M), dated 22.06.2009;
Environmental Clearance Letter/No.: No. J-11015/1155/2007-IA-11(M), dated 17.07.2023.

Sir,

The six-monthly EC compliance report on the status of conditions stipulated by MOEF&CC, Govt. Of India, vide letter under reference pertaining to Guali Iron Ore Mines of OMC Ltd. is enclosed herewith.

This is for your kind information and necessary action.

Yours faithfully,

Prakash
30/05/2024
Mines Manager
Guali Iron Ore Mine

Name of Project: Saur Iron Ore Mines/Approved EC production 1.8 MTPA)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter No. J-1103573/2011-14-1(14), dated 31st November 2010.

ANNEXURE-I

Sl. No.	Conditions	Compliance Status
A	Specific Conditions	
(i)	The environmental clearance is subject approval of the State Land use Department, Government of Orissa for diversion of agricultural land for non-agricultural use	Complied Approval of the State Land Use Department, Government of Odisha for diversion of agricultural land for non-agricultural use may not be required as no agriculture land is diverted for use against this mine.
(ii)	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.	OMC Ltd. shall abide by the judgement of Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004, as may be applicable to this project.
(iii)	Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority.	Noted The project does not require Wildlife Clearance. Further, a Site-Specific Conservation Plan was approved by PCCF (WL) vide letter No. 321/WL-C-FC-385/08 dt. 17.01.2009 with a total financial outlay of Rs. 277.00 lakhs. Necessary implementation is being carried out in the field as per the prescription of the SSWLCP by utilizing the funds approved for OMC to undertake.
(iv)	Necessary forestry clearance under the Forest (Conservation) Act, 1980 shall be obtained from competent authority for the forest land involved in the project. The environment clearance is subject to grant of Forestry clearance to the project.	Noted The total forest area included within the ML area is 332.100ha Stage-II Forest Clearance has been accorded for 157.417 ha of forest area in two phases (vide letter no. 8-96/96-FC, dated 14.01.2005 over 42.417 ha and vide letter no. 8-96/96-FC (Pt) dated 06.09.2011 over 95.0 ha). OMC has submitted application for diversion of balance 194.683 ha forest land vide proposal no. FP/OR/MIN/140713/2021, dated 12.04.2021. The mining operation is restricted within the approved forest land for which Forest Clearance has been obtained.
(v)	All the conditions stipulated by the State Pollution Control Board in their Consent to establish should be effectively implemented.	Complied Consent to Establish has been granted by State Pollution Control Board, Odisha vide letter No.5547/IND-II-NOC-5085, dated 31.03.2009.

		The conditions stipulated therein have been implemented by OMC.
(vi)	The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. Prior approval of the Ministry of Environment & Forests and Central Ground Water Authority shall be obtained for mining below water table.	Noted At present, the mining operation is restricted above the groundwater table. OMC will conduct the hydro-geological study by CGWA accredited consultant for placing the same before the MoEF & CC as well as CGWA for approval, when groundwater intersection will occur.
(vii)	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations	Noted No natural watercourse & water sources have been obstructed due to present mining activities. Adequate measures like providing a network of garland drains and settling pits for conservation and protection of the Topadihi Nallah, the Lakraghat Nallah and other seasonal streams passing through the mine lease area have been taken during the course of the mining operation.
(viii)	The top soil, if any, should temporarily be stored at earmarked site only and should not be kept unutilized for a period more than 3years. The topsoil should be used for land reclamation and plantation.	Noted During the initial three years, no topsoil shall be generated. However, in the fourth and fifth year, top soil generation is expected to be 155280 m ³ and 97000 m ³ , respectively. The topsoil will be spread over-exhausted quarry benches as a part of biological reclamation of the same.
(ix)	Over burden (OB) shall be stacked at earmarked dump site(s) only and should not be kept active for long period. The maximum height of the Topadihi dump should not exceed 30m three terraces of 10m each for Balia Sahi dump 20m with two terraces of 10m each. The overall slope of the dumps not exceed 27°. Backfilling shall start from the year 2013-14. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In undertaken for stabilization of the dumps. Monitoring and management of rehabilitated areas should continue until	Complied The overburden (OB) generated during the mining operation is being dumped as per the approved mining plan at earmarked dumping area only. At present, no mine quarry has been exhausted. Hence, the submission of compliance status on monitoring and management of rehabilitated OB dump/backfilled areas to the Ministry of Environment & Forests and its Regional Office is not envisaged as of now.

Name of Project: Sauri Iron Ore Mines (Approved EC production L&M TPA)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter No. No. J-11015/3/2007-IA-KM, dated 30th November 2007

	<p>the vegetation becomes self-sustaining Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.</p>	
(xi)	<p>Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working, soil, OB and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and OB dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals</p>	<p>Complied Garland drains, settling tanks and check dams of appropriate size, gradient and length have been constructed and maintained regularly to control water pollution. The water collected from the settling tank is used for dust suppression purpose.</p>
(xii)	<p>Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the run-off and siltation, should be based on the rainfall data.</p>	<p>Complied Retaining wall at the toe of the temporary over burden dump has been provided based on the rainfall data of the area.</p>
(xiii)	<p>Plantation shall be raised in an area of 157.276ha including a 7.5m wide green belt in the safety zone around the mining lease, OB dumps, backfilled and reclaimed area, roads etc. by planting the native species n</p>	<p>Noted 6400 nos. of samplings of native species have been planted during the year 2022-2023 in consultation with the DFO, Keonjhar.</p>

Name of Project: Gaudi Iron Ore Mines (Approved EC production L.8/14794)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter No. J-11015/G/2007-IA-II(M), dated 20th November 2007

	consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.	
(xiii)	Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, around crushing and screening plant, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Complied Regular water sprinkling is being done in and around loading point, unloading point and transfer points and on haul roads. The Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board.
(xiv)	Regular monitoring of the flow rate of the springs and perennial nallah shall be carried out and records maintained	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease area will be carried out by the MoEF & CC accredited Agency and records will be maintained. The flow rate of Karo river (Upstream and Downstream), Topadshinaha.
(xv)	Regular monitoring of water quality upstream and downstream of Karo nallah, Topadshi nallah and Lakraghat nallah should be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	The water quality analysis reports are submitted on half yearly basis to Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
(xvi)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board	Noted The implementation of suitable conservation measures to augment groundwater resources in the area has been undertaken by OMC in the form of construction of several rooftop rainwater harvesting structures, recharge ponds and settling pits within the Mine lease
(xvii)	Regular monitoring of ground water level and quality should be carried out in and around the mine lease by establishing a network of existing wells and	It is being complied with on quarterly monitoring.

	constructing new piezometers during the mining operation. The monitoring should be carried out four times in a year - pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment and Forests and its Regional Office, Bhubaneswar, Central Ground Water Authority and Regional Director, Central Ground Water Board.	
(xviii)	The project proponent shall obtain prior approval of the competent authorities for drawl of requisite quantity of surface water for the project before commencing work on the project.	The CGWA NOC has been obtained for drawl of 320 m3/day groundwater from 4 operational borewells within ML Area vide CGWA NOC No. CGWA/NOC/MIN/REN/1/2023/8383 dated 13/10/2023 is valid up to 16/09/2025. Agreed and being complied with.
(xix)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board.	Noted Suitable rainwater harvesting measures along with rooftop rainwater harvesting structures will be implemented.
(xx)	Appropriate mitigate measures should be taken to prevent pollution of Suna Nadi in consultation with the State Pollution Control Board.	Noted Utmost care is taken to prevent any wastewater discharge to the nearby water body.
(xxi)	Minerals handling plant should be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Noted and will be provided with adequate number of high-efficiency dust extraction systems. Regular water sprinkling is being carried out in and around the present crushing and screening unit, loading and unloading point, transfer points and on haul roads.
(xxii)	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	Complied Regular maintenance of vehicles is carried out. The mineral transportation is carried out through the covered trucks and overloading of trucks is avoided to prevent spillage of material.

Name of Project: Gaudi Iron Ore Mines (Approved EC production 1.3 MTPA)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter (No. 1 LID15/8/2023-IA-ILM), dated 30th November 2023

(xxiii)	Blasting operation should be carried out only during the daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Noted Blasting operation is being carried out only during the daytime. Controlled blasting is practiced to control ground vibration and to arrest fly rocks.
(xxiv)	Drills shall either be operated with dust extractors or equipped with water injection system.	Complied All drills are provided with dust suppression system.
(xxv)	Consent to operate should be obtained from the State Pollution Control Board prior to start of enhanced production from the mine.	Complied Consent to Operate has been granted by State Pollution Control Board, Odisha vide letter no.18282/IND-I-CON-4427, dated 17.11.2021.
(xxvi)	Sewage treatment plant shall be installed for the colony, ETP shall also be provided for workshop and wastewater generated during mining operation.	The Wastewater generated from the office premises is sent to the soak pit via septic tank
(xxvii)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and forests and its Regional Office, Bhubaneswar	The digital map (land use & land cover) of the entire lease area is prepared once every 3 years and certified by ORSAC, Bhubaneswar. Digital processing of the entire lease area using remote sensing technique was generated and certified by ORSAC, Bhubaneswar on 5 th October, 2021. As per the EC condition the land use Map will be prepared in the period of 3 years starting on 4 th October 2024
(xxviii)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna such as elephant; sloth bear etc. spotted in the study area and contribute towards the cost of implementation of the plan and/or Regional Wildlife Management Plan for conservation of flora and fauna so prepared by the State Government. The amount so contributed shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office, Bhubaneswar with 3 months	A Site-Specific Conservation Plan was approved by PCCF (Wt) vide letter No 221/IWL-C EC 385/08 dt. 17.01.2009 with a total financial out lay of Rs. 277.00 lakhs. Necessary implementation is being carried out in the field as per the prescription of the SSWLCP by utilizing the funds approved for OMC to undertake.
(xxix)	A Final Mine Closure Plan along with details	Noted and shall be complied before closure.

Name of Project: Sauri Iron Ore Mines (Approved EC production 18/11/14)
 Period of Compliance: October 2023 to March 2024
 Instrument No./Clearance Letter/No.: No. J-11015/8/2007-IA-IMPJ, dated 30th November 2007

	of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	
B.	General Conditions	
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forest.	OMC Ltd. has operated the mine as per the approved mining technology, no change in mining technology and scope of working shall be made without prior approval of the MoEF.
(ii)	No change in the calendar plan including excavation quantum of mineral iron ore and waste should be made.	OMC is abiding the said condition.
(iii)	At least four ambient air quality- monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x monitoring. Location of the stations should be decided based on the ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Monitoring of Ambient air quality is regularly being carried out in the core and Buffer zone twice in consultation with the State Pollution Control Board
(iv)	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board/Central Pollution Control Board once in six months.	The Ambient Air Quality reports are being submitted to Regional Office, MoEF&CC, Bhubaneswar and SPCB, Odisha, once in every six months.
(v)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Water sprinkling is being carried out regularly on haul roads, loading and unloading and at transfer points.
(vi)	Measures should be taken for control of noise levels below 85dBA in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Workers engaged in operations of HEMM etc are provided with earplugs/muffs and mine is ensured by certification of Integrated Management System.
(vii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharged of workshop effluents.	There is no wastewater generation from the mine except the surface runoff during monsoon. Adequate number of go-around drains, settling tanks and check dams have been constructed.
(viii)	Personal working in dusty areas should wear protective respiratory devices and they	Personal working in dusty areas is being

	should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	provided with dust masks. Personal engaged in mining work are provided with awareness training on Safety and health aspects in OMC Ltd VTC.
(ix)	A separate environmental management cell, with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A dedicated Environment Management Cell with defined functions and responsibilities is put in place to implement the EMP.
(x)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.	The funds earmarked for the environment protection measures shall be judiciously utilized and shall not be diverted for any other purposes.
(xi)	The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted and it will be intimated before closure
(xii)	The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the required data/information/monitoring reports.	Full co-operation is extended to the officers of the Regional Office during their visit and furnish the required data, and monitoring reports as and when required by the Officer concerned.
(xiii)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the Status of compliance of the environmental clearance conditions including results of monitored data on their website and shall update the same.	Being Strictly adhered.

Name of Project: Guali Iron Ore Mines(Approved EC production 1.8 MTPA)
Period of Compliance: October 2023 to March 2024
Environmental Clearance Letter/No.: No. J-11015/8/2007-IA-II(M), dated 30th November 2007

	periodically.	
(xiv)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, urban Local Body and the local NGO, if any, from whom suggestions/representations, if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied
(xv)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	Complied
(xvi)	The project authorities should advertise at least in two newspaper widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.	Complied

Yours faithfully,

Prakash
30/05/2024
Mines Manager
Guali Iron Ore Mine

ANNEXURE-II

Sl. No.	Conditions	Compliance Status
A	Specific Conditions	
(i)	The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Orissa and effectively implement all the conditions stipulated therein.	Complied CTE & CTO has been granted by State Pollution Control Board, Odisha vide letter No. 5547/ND-II-NOC-5085, dated 31.03.2009 & 5174/ND-I-CON-4427, dated 30.03.2022.
(ii)	Necessary forestry clearance under the Forest (Conservation) Act,1980 for an area of 268.117ha forestland involved in the project shall be obtained before starting mining operation in that area. If such time mining activities shall be restricted to an area of 42.417ha of already broken up forestland for which approval under Section-2 of the Forest (Conservation) Act,1980 was granted by the Ministry of Environment and Forests on 14.01.2005. Environmental Clearance is subject to grant of forestry clearance. No mining shall be undertaken in the forest area without obtaining requisite prior clearance.	Noted The total forest area included within the ML area is 332.100ha. Stage-II Forest Clearance has been accorded for 137.417 ha of forest area in two phases (vide letter no.:8-96/96-FC, dated 14.01.2005 over 42.417 ha and vide letter no. 8-96/96-FC (Pt) dated 06.09.2011 over 95.0 ha). OMC has submitted application for diversion of balance 194.683 ha forest land vide proposal no FP/OR/MIN/140713/2021, dated 12.04.2021. The mining operation is restricted within the approved forest and for which Forest Clearance has been obtained.
(iii)	The environmental clearance is subject to approval of the State Land Use Department, Government of Odisha for diversion of agricultural land for non-agricultural use.	Complied Approval of the State Land Use Dept., Govt. of Odisha for diversion of agricultural land for non-agricultural use may not be required as no agriculture land is diverted for use against this mine.
(iv)	The project proponent shall blacktop 7000m length stretch of panchayat road of five villages namely Panduliposhi, Rengalbada, Loidapada, Katesani and Rugudihi during the year 2009-2010.	Complied As reported by Ex lessee in the half-yearly EC compliance (2018) uploaded in PARIVESH Portal, it is understood that the 7000m length stretch of panchayat road of five villages namely Panduliposhi, Rengalbada, Loidapada, Katesani and Rugudihi has been completed.
(v)	The mining operations shall be restricted to above ground water table and it should not intersect the ground table. In case of working	Noted At present, the mining operation is restricted above the groundwater table. OMC has

	below the ground water table, prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out.	conducted hydro-geological study and obtained the CGWA Clearance. The CGWA NOC has been obtained for drawl of 320 m ³ /day groundwater from 4 operational borewells within ML Area vide CGWA NOC No. CGWA/NOC/MIN/REN/1/2023/8383 dated 13/10/2023 is valid up to 16/09/2025. Agreed and being complied with.
(vi)	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the Topadihi Nallah, the Lakraghat Nallah and other seasonal streams passing through the mine lease area during the course of mining operation.	Complied No natural watercourse & water sources have been obstructed due to present mining activities. Adequate measures like providing garland drains and settling pits for protection of the existing nallahs.
(vii)	The top soil shall temporary be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	Noted During the initial three years, no topsoil shall be generated. The topsoil will be spread over-exhausted quarry benches as a part of biological reclamation of the same.
(viii)	The over burden (OB) generated during the mining operation shall be temporarily stacked at earmarked dump site(s) only for back-filling. The two existing external OB dumps shall be liquidated by 2021-22 and there shall be no external dump at the conceptual stage. Backfilling shall commence from the year 2013-14 onwards. The backfilled area shall be reclaimed by plantation. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.	Complied The overburden (OB) generated during the mining operation is being dumped as per the approved mining plan at earmarked dumping area only. At present, no mine quarry has been exhausted. Hence, the submission of compliance status on monitoring and management of rehabilitated OB dump/backfilled areas to the MoEF and its Regional Office is not envisaged as of now.
(ix)	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, soil mineral and temporary OB dumps to prevent run off of water and flow of sediments directly into the Topadihi	Complied Garland drains, settling tanks and check dams of appropriate size, gradient and length have been constructed and maintained regularly to control water pollution.

	<p>Nallah, the Lakraghat Nallah, the Karo River, the Suna River and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.</p> <p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the temporary over burden dumps to prevent run off of water and flow of sediments directly into the Topadihi Nallah, the Lakraghat Nallah, the Karo River, the Suna River and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharged in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper setting of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	
(xi)	Dimension of the retaining wall at the toe of the temporary over burden dump and the OB benches within the mine to check run-off and siltation shall be based on the rainfall data	Complied Retaining wall at the toe of the temporary over burden dump has been provided based on the rainfall data of the area.
(xii)	Plantation shall be raised in an area of 298.932ha including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local CFO/Agriculture Department. The density of the trees should be around 2500 plants per hectare.	6400 nos. of samplings of native species have been planted during the year 2022-2023 in consultation with the CFO, Keonjhar.
(xiii)	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and all transfer	Regular water sprinkling is done in and around loading points, unloading points, transfer points and haul roads. The Ambient Air Quality parameters conform to the norms prescribed by the Central

Name of Project: Saur Iron Ore Mines (Approved EC production 571174)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter/No. No. J-11015/1155/2007-(a-11)(M), dated 22.06.2009

	points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard	Pollution Control Board as per the current monitoring result enclosed as Appendix-I .
(xiii)	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and recorded maintained.	Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease area is being carried out by MoEF & CC accredited Agency. The flow rate of Karu river, Topadihi Naha, and Sona Nadi are given in Appendix-I
(xiv)	Regular monitoring of water quality upstream and downstream of the Topadihi Nallah and the Lakraghat Nallah shall be carried out and record of monitored data should be maintained and submitted to the Ministry of Environment and Forests, its Regional Office, Bhubaneswar, the Central Groundwater Authority, Regional Director, the Central Pollution Control Board.	The water quality analysis reports are enclosed as Appendix-I for reference
(xv)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Complied The implementation of suitable conservation measures to augment groundwater resources in the area has been undertaken by OMC in the form of construction of several rooftop rainwater harvesting structures, recharge ponds and settling pits within the Mine lease
(xvi)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring ((at least four times in a year -pre-monsoon (April-May) monsoon (August), post monsoon (November) and winter (January); once in each season)) shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.	The ground water level and quality analysis report is given in Appendix-I for reference
(xvii)	Appropriate mitigation measures should be	Complied

	taken to prevent pollution of the Karo River and the Sona River in consultation with the State Pollution Control Board.	Adequate measures like garland drain, retaining wall, check dams are taken to prevent pollution of the Karo River and the Sona River
(xviii)	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) required for the project.	Requisite permissions have been obtained from CGWA vide letter no.21-4031/SER/CGWA/2008-1964 dated 09 th October 2018 in the name of previous lessee which is valid up to 16.10.2023. OMC Ltd. Vide letter no. 2742/OMC/F&E/2021 dt.18.02.2021 has requested CGWA for transfer of NOC for drawl of groundwater over 320m ³ /day in the name of OMC Ltd and necessary fees has been submitted.
(xix)	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	Complied The implementation of suitable conservation measures to augment groundwater resources in the area has been undertaken by OMC in the form of construction of several rooftop rainwater harvesting structures, recharge ponds and Settling pits within the Mine lease
(xx)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of ores. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease shall be carried out after the sunset	Complied Regular maintenance of vehicles is carried out. The mineral transportation is carried out through the covered trucks and overloading of trucks is avoided to a extent tillage of mineral
(xxi)	No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Noted Blasting operation is being carried out only during the daytime. Controlled blasting is practiced to control ground vibration and to arrest fly rocks.
(xxii)	Drills shall either be operated with dust extractors or equipped with water injection system.	Complied Drills are provided with dust suppression system

(xxiii)	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Shall be provided with adequate number of high-efficiency dust extraction systems. Regular water sprinkling is being carried out in loading and unloading point, transfer points.
(xxiv)	Sewage treatment plant shall be installed for the colony, ETP shall also be provided for the workshop and wastewater generated during the mining operation.	The Wastewater generated from the office premises is sent to the soak pit via septic tank.
(xxv)	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Pre-placement medical examination and periodical medical examination is being carried out and records are maintained. The schedule for the same has been carried out as per OMC Ltd. policy.
(xxvi)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephants sloth bear, tiger, bison, python etc. spotted in the study area. Action plan for conservation of flora and fauna prepared shall be implemented in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan prepared specific to the project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Bhubaneswar.	A Site-Specific Conservation Plan was approved by PCCFWL vide letter No. 32:/JWL-C-FC-385/08 dt. 17.01.2009. Necessary implementation is being carried out in the field as per the prescription of the SSWLCP.
(xxvii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the	Not applicable as there is not such construction activity

	completion of the project.	
(xviii)	The critical parameters such as SPM, RSPM, NOx in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation whichever is closer shall be monitored periodically. Further quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA, II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance	Monitoring of Ambient air quality is regularly being carried out in the core and Buffer zone & is being displayed on the website www.omcltd.in. No wastewater is discharged out of the mine premises.
(xxix)	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Shall be complied before closure.
B.	General Conditions	
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forest.	Noted OMC Ltd. has operated the mine as per the approved mining technology, no change in mining technology and scope of working shall be made without prior approval of the MoEF.
(ii)	No change in the calendar plan including excavation quantum of mineral iron ore and waste should be made.	Noted OMC is abiding the said condition.
(iii)	At least four ambient air quality- monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x monitoring. Location of the stations should be decided based on the ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Monitoring of Ambient air quality is regularly being carried out in the core and Buffer zone twice in consultation with the State Pollution Control Board.
(iv)	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional office located	The Ambient Air Quality reports are being submitted to Regional Office, MoEF&CC, Bhubaneswar and SPCB, Odisha, once in every

Name of Project: Sakti Iron Ore Mines (Approved EC production S.7HTP4)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter/No. No. P-11019-2155/2007-IA-L1(M), dated 22.06.2009

	at Bhubaneswar and the State Pollution Control Board/Central Pollution Control Board once in six months.	six months.
(v)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Complied Water sprinkling is being carried out regularly on haul roads, loading and unloading and at transfer points.
(vi)	Measures should be taken for control of noise levels below 85dBA in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Workers engaged in operations of HEMM etc. are provided with earplugs/muffs and mine is ensured by certification of Integrated Management System. The noise monitoring report is enclosed as Appendix-I for reference.
(vii)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharged of workshop effluents.	There is no wastewater generator from the mine except the surface runoff during monsoon. Adequate number of garland drains, settling tanks and check dams have been constructed
(viii)	Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Complied Personal working in dusty areas is being provided with dust masks. Personal engaged in mining work are provided with awareness training on safety and health aspects in OMC 1st VIL
(ix)	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied A dedicated Environment Management Cell with defined functions and responsibilities is put in place to implement the EMP.
(x)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.	Noted The funds earmarked for the environment protection measures shall be judiciously utilized and shall not be diverted for any other purposes.

Name of Project: Gauri Iron Ore Mines (Approved EC production is 7MTPA)
 Period of Compliance: October 2023 to March 2024
 Environmental Clearance Letter/No. J-11615-1155/2007-14-131M1, dated 22.06.2009

(xii)	The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted and it will be intimated before closure.
(xiii)	The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports	Full co-operation is extended to the officers of the Regional Office during their visit and furnish the required data, and monitoring reports as and when required by the Officer concerned.
(xiii)	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the Status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically.	Being Strictly adhered.
(xiv)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied
(xv)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	Complied
(xvi)	The project authorities should advertise at least in two newspaper widely circulated, one of which shall be in the vernacular language	Complied

Name of Project: Guali Iron Ore Mines (Approved EC production 5747PA)
Period of Compliance: October 2023 to March 2024
Environmental Clearance Letter No.: No. J-L1015/L155/2007-(A-LI,M), dated 22.06.2009

<p>of the locality concerned, within 7days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.</p>	
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Yours faithfully,

Prakash
28/05/2024
Mines Manager
Guali Iron Ore Mine

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND

1.	Name of Office	Bhubaneswar
2.	State/District/Forest Division to which the proposal relates	Odisha/ Keonjhar/ Keonjhar Forest Division
3.	Name of User Agency, nature of proposal	M/s Odisha Mining Corporation Limited (A Govt. of Odisha Undertaking).
4.	Nature and category of proposal	Mining
5.	Proposal number	FP/OR/MIN/140713/2021 (Guali Iron Ore Mines)
6.	Extent of forest area involved	194.683 Hectare
7.	Whether original or extension	Extension
8.	If extension of lease, please clarify if proposal involves additional forest area and if so, specify	Out of total forest area of 332.100 ha, MoEF & CC vide letter No.8-96-FC dt 14.01.2005 approved 42.417 ha and vide letter No. 8-96-FC dt 06.09.2011 approved 95.00 ha and balance 194.683 ha is under stage-I FC compliance.
9.	Date of 1 st Stage clearance	Dt 21.12.2023
10.	Extent of CAMPA charges, head wise viz.:	
	(a) Compensatory Afforestation	Rs. 12, 83, 61,200/-
	(b) Additional Compensatory Afforestation	-
	(c) Penal Compensatory Afforestation	Nil
	(d) Catchment Area Treatment	
	(e) Wildlife Management Plan	
	i) Site Specific Wildlife Conservation Plan	Rs. 3, 81, 89,400/-
	ii) Regional Wildlife Management Plan	-
	(f) Additional charges for diversion of area falling under notified/ protected areas	Nil
	(g) Net Present Value	Rs. 47,71, 18,107/- (Rs. 25, 38, 57, 750/- + Rs. 22, 32, 60,357/-)
	(h) Any other charges/levies (Please specify)	
	i) Penal NPV	-
	ii) Interest on belated payment of NPV	-
	iii) Safety Zone	-
	iv) 1.5 times Safety Zone	Rs. 1, 43, 04,500/-
	v) Scheme on gap planting and SMC measures	Rs 36, 39, 300/-
	vi) SMC measures in and around 10 km radius of the ML	Rs 2,73,51,900/-
	Total	Rs. 69,69,64,407/-
11.	Whether payment made through challan or otherwise. In case of online payment, details of challan.	

Details of deposits		UTRDD No			Amount deposited (Rs.)		Date of deposit		Name of Bank from which amount transferred to account of CAF		Bank Account of CAF managed by CAMPA in which fund deposited	
Sl. No	Type of deposit (NPV/CA/WMP/ Others (specify))	Whether by RTGS/D/D/ NEFT (Specify)	UTRDD No	Amount deposited (Rs.)	Date of deposit	Name of Bank from which amount transferred to account of CAF	Bank Account of CAF managed by CAMPA in which fund deposited					
i)	NPV	Online payment	SBIN531012176327	Rs 25, 38, 57, 750/-	12.01.2021	A/c No 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	A/c No. CA-1585, Corporation Bank, Lodhi Road, New Delhi.					
ii)	Compensatory Afforestation	Online payment	UBINJ24031708514	Rs 32, 60, 557/-	31.01.2014	A/c No. 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	A/c No CA-1585 Corporation Bank Lodhi Road, New Delhi					
iii)	1.5 Times Safety zone	Online payment	UBINJ24178033342	Rs 17, 36, 56,900/- (Includes Rs 12, 83, 67, 300/- towards CA)	26.06.2024	A/c No. 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	1508258140713785, IFSC Code UBINJ0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jaitlia Towers, Mission Road, Bengaluru-560027					
iv)	SSW/LCP	Online payment	UBINJ24178033342	Rs 17, 36, 56,900/- (Includes Rs 1,43,04,500 towards 1.5 times SZ)	26.06.2024	A/c No 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	1508258140713785, IFSC Code UBINJ0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jaitlia Towers, Mission Road, Bengaluru-560027					
v)	S/MC measures in and around 10 KM radius of the ML	Online payment	UBINJ2476333393	Rs 3, 81, 69,400.90	03.01.2024	A/c No 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	1508258140713785, IFSC Code UBINJ0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jaitlia Towers, Mission Road, Bengaluru-560027					
vi)	Scheme for Gap plantation and S/MC activities within 100 m from outer perimeter of the ML.	Online payment	UBINJ24178033342	Rs 17, 36, 56,900/- (Includes Rs 35, 34,900/- towards Gap plantation and S/MC activities within 100 m from outer perimeter of the ML).	26.06.2024	A/c No 105911011000001 of Andhra Bank, OMC Campus Branch, Bhubaneswar	1508258140713785, IFSC Code UBINJ0996335 in Union Bank of India, FCS Centre, 21/1, III Floor, Jaitlia Towers, Mission Road, Bengaluru-560027.					

Date: _____
Place: Keonjhar

Divisional Forest Officer
Keonjhar Forest Division

Principal Chief Conservator of Forests (FD & NO, FC Act)
Bhubaneswar

Letter No 97/OMC/F&E/2024
2nd January, 2024

To

**The Divisional Forest Officer,
Keonjhar Division**

Subj: Proposal for seeking prior approval of the Central Government under Section 2 (c) of the Forest Conservation Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS) (305.026 ha as per RoR) of Guali Iron Ore Mines under Forest Division and District Keonjhar, Odisha (Ophre Proposal No. (FP/OR/MIN/140713/2021)

Ref: (i) Letter No. 8-96.1996-FC (PT) dt. 21.12.2023 by MoEF & CC
(ii) Letter No.26688/FE&CC dt.28.12.2023 by FE & CC, Dept. Govt. of Odisha

Sir

The MoEF & CC, Govt. of India vide letter under reference (i) has granted stage-I forest clearance over 194.683 ha of balance forest land in Guali Iron Ore Mines of OMC with 42 conditions to comply. The condition No. 12 of the said clearance letter is reads as under:

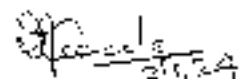
"The KML files of diverted area, the CA areas, the proposed SMC treatment area and the WLMF area shall be uploaded on the e-Green watch portal with all requisite details prior to Stage-II approval".

In order to comply the above condition, a CD containing the KML files of total diversion area of 194.683, the CA area of 194.683 ha, the proposed SMC treatment area within ML and the WLMF area (Core and Buffer) is hereby submitted to upload the same on the e-Green watch portal.

(Enclosure with original) 1000/24

List as above

Yours faithfully


Adv. So. (F&E)

SCHEME FOR
APPROPRIATE MITIGATIVE MEASURES TO
MINIMIZE SOIL EROSION
AND
CHOKING OF STREAMS

AT
GUALI IRON ORE MINES
UNDER KEONJHAR FOREST DIVISION
OF

M/S ODISHA MINING CORPORATION LTD
(A GOVT. OF ODISHA UNDERTAKING)
OMC HOUSE, BHUBANESWAR-751001

(As per condition No.13 (a) of the stage-I Forest Clearance granted by MoEF&CC,
Govt. of India vide F.No. 8-96/1996-FC(FI-3)dt. 21.12.2023)

(ON ONE TIME COST NORM BASIS)

SCHEME ON APPROPRIATE MITIGATIVE MEASURES TO MINIMIZE SOIL EROSION AND CHOKING OF STREAMS

1. INTRODUCTION.

Stage-I Forest Clearance for diversion of 194.683ha of forest land for non-forest purpose for Guali Iron Ore mines has been accorded vide F.No. 8-96/1996-FC(PT-I), Dt. 21.12.2023 of Ministry of Environment, Forests & Climate Change subject to fulfilment of 42 conditions. The condition No. 13. (a) is read as under:

"13 (a) Mitigative measures to minimize soil erosion and choking of streams shall be implemented within a period of three year with effect from the issue of Stage-II clearance in accordance with the approved Plan in consultation with the State Forest Department."

In compliance with this condition, a comprehensive scheme is prepared for implementation of the same in 358.258 Ha of ML area of the said mining lease. The scheme has been prepared as per the current wage rate issued by the Labour Commissioner, Odisha vide Gazette Notification dt. 13.03.2024, Rs. 450/- per Manday.

2. LOCATION OF THE ML AREA

Guali Iron Ore Mines of M/s Odisha Mining Corporation (OMC) Limited, a State Government Undertaking, is a mining project for exploitation of iron ore. The mining lease (ML) area over 358.258 Hectares (ha) is contained within the Latitudes: 21° 59' 21.98" – 22° 00' 01.10" North and Longitudes: 85° 17' 04.19" – 85° 18' 57.35" East. It is located at a distance of 20 KM from Barbil town and approachable via NH-215. The ML is also approachable from Koira town at a distance of 13 Km. District head quarter Keonjhar is 80 Km from lease area. The area exhibits an undulated topography with varying elevations from 340m to 990 m above Mean Sea Level (MSL).

The mining activities will convert the area prone to extensive soil erosion by creating rills and gullies on unlined out pit benches on the surface of OB dump on the shoulder of road made on the surface of the surface soil deposit and on the bank of the natural streams. Such gullies eventually may widen and occupy large tract of the slope and cause heavy soil loss and flooding the valley bottom with heavy siltation. This results the virgin forest area prone to soil erosion. During rains, the exposed soil will not allow percolation of rainwater to charge the groundwater table. Consequently the seasonal streams will be dried up. Therefore, it is essential to treat the area with strategic soil and moisture conservation measures to mitigate the adverse impact of mining.

3. DRAINAGE

There is no perennial nala inside the lease area. One Seasonal nala namely Topadithi nala fall in the lease area and control the drainage system of the area. Karo river and Sunanadi flows at a distance of 1.1 km and 3.5 km from the lease area. Topadithi nala flows from south to north.

FACTORS RESPONSIBLE FOR SOIL EROSION AND CHOKING OF STREAMS

The mining activities, sub grade dumps and overburden dumps are the major factors impacting adversely to any drainage system in the mining areas. The forms of erosion observed in this region include mainly rill and gully erosion. The storm water runoffs from the hills, mine faces, sub-grade dumps and OB dump slope areas carry substantial amounts of solids in the lower order streamlets and choke the higher order streams. These lower order streamlets and gullies have high erosion capacity due to steep gradient and transportation of rock fragments with high velocity of the stream and deposition of same in the connecting high order streams due to velocity drop. Streams can also erode by undercutting their banks resulting in mass-wasting processes like slumps or slides. When the undercut material falls into the stream, the fragments are transported and deposited in the stream bed. The other mode of sediment transportation is very nominal.

4. OBJECTIVE OF THE SCHEME:

The objectives of the proposed scheme are as follows.

1. To comply condition No. 13 (a) of the Stage-I approval, issued by MoEF & CC.
2. Prevention of erosion of loose materials from OB dump & erosion of top soil in non-working area which will be chance to choking the natural streams as well as the effect in agriculture
3. Prevention of obstruction of natural water sources.
4. Proper Management of overburden materials so as to prevent siltation in the streams
5. Prevention of overflow of eroded soils from the mining areas to the cultivable lands, natural streams and habitations.
6. Prevention of overflow of eroded soils from the mining areas to the cultivable lands, natural streams and habitations.

5. PROPOSED METHODOLOGY

To achieve the above objectives it has been proposed to take up both biological and structural works for soil and water conservation. The vegetative measures are to be adopted mostly in the upper reaches & around O.B. dumping sites whereas the structural works are suggested in the lower reaches such as in the drain & critical points around OB dumps. As per the current practice, check dams are constructed across the contour seasonal streams arising from the up-slope areas to arrest the sediment

load to prevent choking of stream followed by de-silting before monsoon. The following activities are proposed to be taken up to mitigate soil erosion and choking of streams:

1. There is only one seasonal stream inside the M/L boundary. However, due to mining activities in future, there is chance of heavy run-off with silts and sediments during monsoon. To minimize the hazard as well as to reduce the flow velocity of water down from overburden dump, mining pits, stock piles, haul roads as well as areas clear of vegetation, check dams are to be constructed at suitable location.

2. Periodic Sediment/silt removal/De-silting jobs will be undertaken in those proposed check dam points as well as from garland drains and subsequently plantation will be carried out on these de-silted materials.

3. Along with the above sedimentation control measures erosion from O.B. dump slope areas will be controlled by providing retaining wall, garland drain, loose boulders structures, settling tanks etc. The main purpose of the works is to control soil erosion from OB dump and minerals stock piles etc and prevent choking of natural stream flow.

6. MEASURES PROPOSED

A. Biological Measures

a) Plantation

Soil erosion and sediment control in areas covered with forests are minimum. As the area is covered with vegetation, there is no scope of taking up of plantation within M/L area.

b) Grass Seeding

The area will be back-filled for reclamation, the overburden dump area will used for grass seeding

B. Structural Measures

Vegetative means of erosion control are the most feasible and economic measures. But there is no scope for such work in this case. Structural measures are to be complementary to vegetative measures. The objective being building structural structures (like check dams, settling tanks etc.) to reduce run-off and consequently, reducing soil erosion.

a) **Construction of Loose Boulder Structure:** The User Agency has planned to construct 800.00 RMT of loose boulder structure across the proposed garland drain and across seasonal stream and eroded areas. These loose boulder structure will help in stabilization of silt & sediment as well as prevention of soil erosion & enrichment of vegetation & greenery development.

b) **Construction of Garland drains:** A shallow trench (2.0 m wide x 1 m deep) for draining surface water before it release to the vacant land or natural water course. 4544.00 RMT of garland drain will be constructed around Dump and along the haul road. The work has been included in a separate

scheme prepared as per condition no.13 (a) stipulated in Stage-I approval. Hence extra fund is not required for the work.

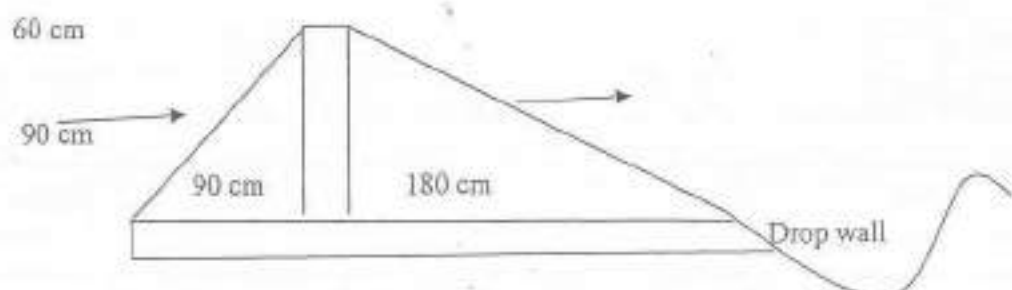
c) **Terracing of OB Dump Slope:** It is proposed to construct berm & terraces with breadth of 20 m on the extended portion of O.B. dump during lease period. Considering the volume of OB materials & the area earmarked for dumping. The slope of individual terrace should be within the permissible range considering the angle of repose of the soil and space available, thereby maintaining the angle of repose to be around 28° . The terracing will be done continuously through the internal resources by deploying the operating mining equipment along with progress of mine. Hence no separate fund for this work is provided.

c) **Retaining Walls/Toe Walls around OB Dumps:** A retaining wall is a structure designed and constructed to resist the lateral pressure of soil when there is a designed change in ground elevation that exceeds the angle of repose of the soil. The proposed Retaining walls will be constructed around the dumps. The work has been included in a separate scheme prepared as per condition no. 13 (a) stipulated in Stage-I approval. Hence extra fund is not required for the work in this scheme.

7. **Execution of work:** Only Loose Boulder Check Dams will be constructed over a total length of 800 RMT.

- Series of check dams should be constructed on the gullies. Bottom level of Check Dam situated on higher slope and top level of the Check Dam located downstream should be same.
- Check Dam or any Soil Conservation Measure should start from the top where the erosion starts and move downwards.
- Check Dam should be constructed where the gully or nala is narrowest and the bank is strong. The tendency of constructing big check dams at wide and accessible points should be avoided.
- For construction of loose boulder check dams as big stones as possible to fit the design should be used and small stones may be used to fill interstices to make the structure stable.
- If possible the construction of loose boulder check dams should be done before plantation is taken up in the area to prevent damage of planted seedlings.

The following simple design should be followed for loose boulder check dams.



Foundation and apron should be 25 cm thick.

Height of check dam above the foundation should be 90 cm or height of the bank whichever is higher.

Uphill side width should be same as that of height of the dam

Downhill side width should be twice that of height of the dam

Uphill side apron should be 30 cm and downhill side apron should be 90 cm.

Spillway of 1 mtr long and 30 cm deep may be provide on top of check dam for flowing of excess water.

Volume of stone work will be Cross section of check dam is sq.mtr x length of check dam in mtr.

For example, as per the drawing shown above, the volume calculation for a 2.5 mtr long check dam will be

Cross section $4.5 \text{ mtr} \times 0.25 \text{ mtr} = 1.125 \text{ sq.mtr}$

Foundation $(3.5 \text{ m} \times 0.6 \text{ m})^2 \times 0.9 \text{ m} = 1.755 \text{ sq.mtr}$

Super structure $1.755 \text{ sq. mtr} + 1.125 \text{ sq.mtr} = 2.88 \text{ sq.mtr}$

Volume $= 2.88 \text{ sq.mtr} \times 2.5 \text{ mtr} = 7.2 \text{ cu.m}$

Volume of stone for a 2.5 mtr long loose boulder check dam is 7.2 cu.m.

Volume of check dams of different lengths can be calculated accordingly.

Estimate of a standard loose boulder check dam is furnished as Annexure-I.

Top width of the check dam will be 60 cm

The bank should be dressed vertically and base area should be level. The earth should be kept for filling interstices of the check dam

The length of check dam should be 50 cm longer than the width of the bank so that 25 cm on each side should be dovetailed into the bank

Cross-section of the proposed dam should be marked on the vertical bank and the stones should be set properly.

8. INSPECTION, MONITORING AND EVALUATION

For successful implementation of the above activities measures of inspection, monitoring and evaluation guidance from concerned technical wing is required. Sufficient field conveyance charges for technical experts shall be provided by the user agency for proper execution of these programmes. Budgetary provision of 15% of the total project cost has been earmarked on this score.

9. EXECUTING AGENCY

The works in the present Scheme shall be executed by the User Agency having specialized departments headed by qualified persons with outsourced man and machinery. To facilitate this, the user agency shall establish its own executing and supervision cells along with required infrastructural facilities. In order to maintain the quality of work, in-house supervision through competent personnel shall be provided. The entire work shall be carried out in coordination with the Forest Department.

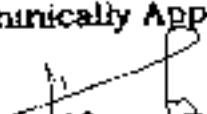
10. REQUIREMENT OF FUNDS


The total cost of the implementation of mitigative measures will be Rs 55,80,800.00 (Rupees 55) Lakhs Eighty thousand eight hundred only for implementation of the above mitigation measures, the above expenditure will be made over the next three years period. Therefore, budget provision will be kept by the user agency for implementation of the above mitigation measures over a period of next ten years. This budget will be subject to increase in amount considering the increase in materials and labour charges. The tentative expenditure planned for the implementation of mitigative measures is given in the following table:-

FINANCIAL FORECAST

Sl. No.	Particulars of interventions	Quantity	Financial Investment (Rs)
1	Loose Boulder Check Dams @ Rs 5055/- per running mtr	800 running mtr	40,44,000.00
	Inspection, monitoring and evaluation @ 5% of the total project cost.		6,06,600.00
	Total		46,50,600.00
	Escalation cost 20%		9,30,120.00
	Grand Total		55,80,720.00 Or say 55,80,800.00

(Thirty fifty five lakhs eighty thousand eight hundred) only

Technically Approved

Regional Chief Conservator of Forests
Borakela Circle


Divisional Forest Officer
Keonjhar Forest Division

Estimate for Loose Boulder Check Dam of length 2.5 mtr

Foundation and apron 25 cm thick.
 Top width 60 cm
 Height of check dam above the foundation is 90 cm.
 Uphill side width 90 cm
 Downhill side width should be 180 cm.
 Uphill side apron 30 cm and downhill side apron 90 cm.
 Analysis of Rate

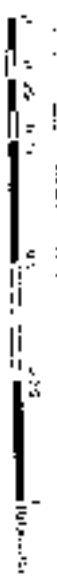
Particulars of work	No./Quantity	Rate	Amount
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm. and laying in layers not exceeding 0.5 m. in depth (per 100 cum.)	43	450.00	19,350.00
Mulla			387.00
2% sundries and T & P etc.	Total		19737.00
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Granite broken stone 1 cum.	1	550.00	550.00
Mason (Special)	0.17	550.00	93.50
Stone packer	0.35	500.00	175.00
Mulla	1.04	450.00	468.00
2% sundries, T & P etc.			33.73
	Total		1720.23

Estimate for construction of Loose Boulder Check Dam (Length of Loose Boulder Check Dam 2.5 Mtr)

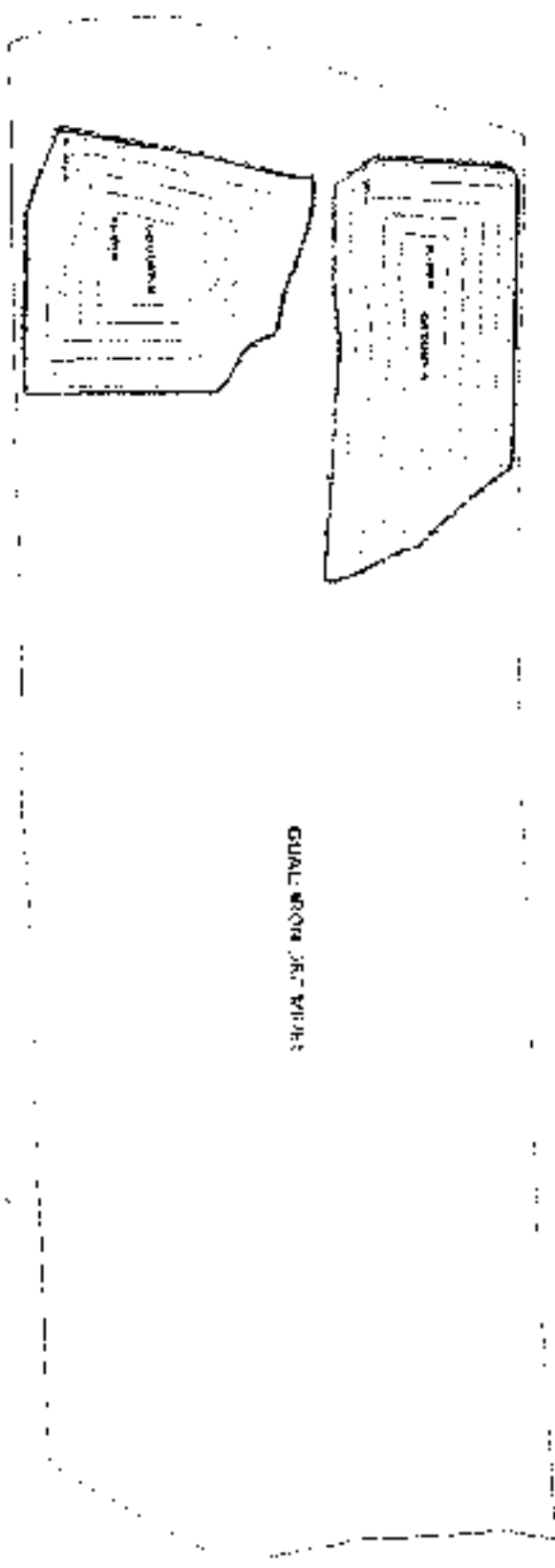
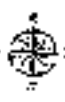
Particulars of work	Volume	Rate in Rupees	Total amount in Rupees
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm. and laying in layers not exceeding 0.5 m. in depth (keeping the side of haul as a foundation) 2.5	L.S	250.00	250.00
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Foundation 4.5 mtr x 0.25 mtr = 1.125 sq.m Super structure (3.3m x 0.6m) x 2 x 0.9m = 1.755 sq.m 1.755 sq. mtr + 1.125 sq. mtr = 2.88 sq. mtr Volume = 2.88 sq. mtr x 2.5 mtr = 7.2 cu.m.	7.2 cu.m	1720.23	12385.56
Total			12635.66

Cost per running metre of L.B.C.D of 90 cm height = Rs 12635.66/2.5 = Rs.5054.26 or say Rs.5055.-

MAP SHOWING APPROPRIATE MITIGATIVE MEASURES TO MINIMIZE SOIL EROSION AND CHOKING STREAMS IN SMALL IRON ORE MINES OF 60 AC LTR.



1:4,000



QUAL FROM JRF MILES

- INDEX
- existing road layout (per owner)
 - proposed
 - vegetation
 - water and drainage area
 - utility boundaries



**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. 1587 /3F-810/2024 Date: 16.11.2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect of Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2 Your Memo No. 3028 Dtd 05.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the ROCF, Rourkela
1	Scheme for Site Rehabilitation and Afforestation/Restoration of degraded open forests (canopy density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency	No.13 (a)	Rs.13,15,000/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,76,700/-
4	Scheme for Construction of check dams, retention/top walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 25° and,	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs 39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km. from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.15	Rs.65,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end


Encl.:- As above.


Regional Chief Conservator of Forests,
Rourkela Circle.

Memo No.

Date:

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), D/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division


Regional Chief Conservator of Forests,
Rourkela Circle.

SCHEME FOR
PLANTING ADEQUATE DROUGHT HARDY
PLANT SPECIES
AND
SOWING OF SEEDS IN APPROPRIATE AREA
WITHIN THE MINING LEASE AREA TO ARREST
SOIL EROSION

AT

GUALIRON ORE MINES
UNDER KEONJHAR FOREST DIVISION

OF

M/S ODISHA MINING CORPORATION LTD.
(A GOVT OF ODISHA UNDERTAKING)
OMC HOUSE, BHUBANESWAR-751001

(As per condition No. 15 (u) of the stage-I Forest Clearance granted by MoEF&CC, Govt. of India
vide F.No. 8-96/2019-F.C./PI.-I/dt.21.12.2023)

(ON ONE TIME COST NORM BASIS)

**SCHEME FOR
PLANTING ADEQUATE DROUGHT HARDY PLANT SPECIES AND SOWING OF
SEEDS IN APPROPRIATE AREA WITHIN THE MINING LEASE AREA TO
ARREST SOIL EROSION**

CHAPTER-I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

INTRODUCTION:-

Government of India in the Ministry of Environment, Forest and Climate Change has granted Stage-I Forest Clearance vide F. No. 8-95/1995-FC, dt.21.12.2023 over 194 683 ha in favour of Guali Iron Ore Mines of M/s Odisha Mining Corporation Limited. Condition no. 13 (b) of Stage-I FC stipulates that

"13 (b) Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme."

In order to plant draught hardy species within ML area a patch of 10 559 ha has been identified near the western ML boundary where 8.559 ha shall be covered with plantation and 2.00 ha shall be covered by sowing of seeds. Accordingly, a comprehensive scheme over 8 559 ha is prepared for implementation.

Plantation will be taken up over 8.559 ha in Block plantation model @ 1600 plants/Ha. The cost estimate for this plantation calculated as per cost norm for Block model @ 1600 plants per hectare is enclosed as Annexure-I. Watering of plantation area will be carried out with solar system with Bore well fitted with Drip system. Cost norm for the same is enclosed as Annexure II. Bamboo twig fencing will be carried out all around the plantation area. Out of the total perimeter of 34.34 km of Bamboo twig fence, the eastern side has already been taken up under 7.5mtr strip plantation scheme and not repeated here. The remaining fence length considered in this scheme on the eastern side of the patch is estimated to be 1324.0 mt. The cost norms for Bamboo twig fencing is enclosed as Annexure-III. Similarly sowing of seeds will be carried out over 2.0 ha in the gullied exposed area. The financial outlay for the sowing of seeds is enclosed as Annexure-IV.

LOCATION OF THE ML AREA:

Guali iron Ore Mines of M/s Odisha Mining Corporation (OMC) Limited, a State Government Undertaking, is a mining project for exploitation of iron ore over 358 258 ha. The mining lease area is confined within the Latitudes: 21° 59' 21.991" to 22° 00' 00.984" N and longitude 85° 17' 02.375" to 85° 18' 59.140" E in the Survey of India Topo Sheets bearing No. F 45 N 5 and F 45

13.8 This area is approachable from Barbil covering a distance of 30 km by Barbil-Rourkela National Highway No. 215. This area is also approachable from Korra Town of Sundergarh District which is on NH No. 215 at a distance of 13 km. The area exhibits an undulated topography with varying elevations from 590 m. to 500 m above Mean Sea Level (MSL).

21,379 ha forest land will be kept as safety zone within the 1,96,683 ha of in-principle approved forest area within Guddi Iron Ore Mines of OMC Ltd. Out 21,379 ha around 10,559 ha of forest land in western part of the mining lease area has been earmarked for additional safety zone. From additional safety zone of 10,559 ha, 8,559 ha has been proposed for drought hardy plantation and around 2,00 ha of land has been proposed for grass seeding.

SOIL TYPE:

Soil type in the study area varies widely from hard rock to sandy loam. The top soil in the area is scanty. Whatever top soil is available is rocky in nature. The pH of the soil is normal ranging from 6.20 to 8.20. Low hills and hill slopes are extensively lateralized and consist of lateritic profile of 5 to 10m. The lateritic area is rich in Iron and very office gritty in nature. Bushy vegetation is observed on this soil type.

CLIMATE:

The area is characterized by extreme climate with very hot (42°C-45°C) summer and very cold winter (5°C) winter. It experiences tropical and humid climate which shows three distinct seasons i.e. summer, rainy and winter. The summer is very hot and dry starting from March and continues till end of May or early June. The rainy season lasts from early June to end of September. October and November are the post monsoon months followed by a cold winter which lasts till end of February. Annual rainfall varies from 1100 mm to 1800 mm. About 75% of it has been distributed during the South West monsoon i.e. June to September.

EXISTING VEGETATION

Majority area of mining lease is covered by open scrub. There is natural vegetation on the area with dry deciduous species like Sal, Kurum, Kangara, Asan, Dhaura, Kendu, Jamu, Mango etc. with canopy density 0.4. The buffer zone (10Km radius) includes part of Sidhamatha Reserve Forest area of Keonjhar Forest division.

CHAPTER- II

AGENCY RESPONSIBLE FOR PLANTATION OVER 10.559 HA

IV(C)- AGENCY RESPONSIBLE FOR EXECUTION OF SCHEME

The works in the present Scheme shall be executed by the User Agency having specialized departments headed by qualified persons with outsourced man and machinery. To facilitate this, the user agency shall establish its own executing and supervision cells along with required infrastructural facilities. In order to maintain the quality of work, in-house supervision through competent personnel shall be provided. The entire work shall be carried out in coordination with the Forest Department.

For successful implementation of the above mitigative measures, intensive inspection and technical guidance from concerned technical wing is required. Sufficient field conveyance charges for technical experts shall be provided by the user agency for proper execution of these programmes.

CHAPTER- III

DETAILS OF WORK SCHEDULE PROPOSED OVER 10.559 HA

A. PLANTING PLAN

Planting Plan reflects the species specific treatment of the identified site. Choice of species is based on the geo-morphology of the site, soil-texture, structure, fertility and depth, proximity of the site to water logging etc.

Species to be planted:-

1. *Adina cordifolia* (Koruma)
2. *Anogeissus latifolia* (Maure)
3. *Dalbergia madagascariensis*
4. *Isodermis indica*
5. *Terminalia chebula* (Harada)
6. *Melina arborea* (Qambar)
7. *Terminalia chebula* (Harada)
8. *Eucleia retusa*
9. *Ficus benghalensis* (Bara)
10. *Ficus religiosa* (Pipal)

B. PRE-PLANTING OPERATION

B(D)-RAISING OF PLANTATION STOCK- NURSERY-

Nursery will be raised including seedlings for 10% causality replacement i.e.1760 seedlings per hectare will be raised. Six feet saplings of minimum 18 month old will be planted.

B(II)-SURVEY, DEMARCATION & PILLAR POSTING, GPS READING WITH MAPPING-

The planting area has been surveyed and has been demarcated. A map has been prepared along with pillar numbers reflected in the map.

B(III) PITTING:

Pitting shall invariably be done during November-February i.e., before onset of monsoon. If possible the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first. Pit size of 45 cm x 45 cm x 45 cm will be dug out to carry out plantation.

C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene covering the ball of earth will be carefully removed before planting. Care will be taken to see that the ball of earth is not broken while doing so. The seedling with the ball of earth will then be placed firmly in the pit and buried at such a depth that the root collar is well below the surface of the soil. The soil around the plant will be well compacted with the heel as a final step so that there is a proper bond between the plant and the surrounding soil. The earth close to the collar will be slightly elevated so that rain water does not accumulate very close to the plant.

D. POST PLANTING OPERATION

D(1)-CASUALTY REPLACEMENT

The entire area will be gone over in the same order as plantation was carried out and casualties, if any, will be replaced as soon as the main plantation operation is over.

D(2)-WEEDING AND SOIL WORKING

Regular and efficient weeding will be carried out in the month of August-September.

D(3)-MANURING AND INSECTICIDE APPLICATION

On degraded sites urban compost or farmyard manure, wherever available, will be added to the soil while refilling the pits. As regards artificial fertilizers, the minerals required and dosage will be applied in the month August to September as per the schedule and dosage provided in the Cost Norm.

D(4)-PROTECTION AGAINST FIRE AND GRAZING

Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided for protecting the plantation & protect the plant site from grazing by domestic animals. Also bamboo twig fencing will be carried around the plantation area.

CHAPTER-IV

DETAILS OF WORK SCHEDULE PROPOSED FOR SOWING OF SEEDS

OVER 2.0 HA

In non-mineralized area there is existence of very thin layers of top soil say 5 cm to 10 cm. Over 2.0 ha of land, the seeds of following hardy species will be broad casted through earth ball method for better regeneration and smooth to stabilize the soil erosion. Earth balling is done manually to ensure tree survivability and minimal root ball damage. This is a better procedure than using a hydraulic spade.

The map showing the plantation area and seed sowing area is enclosed as **Plate No.II**.

CHAPTER-V

REQUIREMENT OF FUNDS:

For implementation of all prescriptions outlined above, Rs. 57,78,700.00/- (Rupees fifty seven lakh seventy eight thousand seven hundred) only will be required as detailed below:

1.	Drought Hardy plantation over 8.559 ha @Rs. 354897/- per Ha. Expenditure for 8.559 ha (8.5 x 358998/-) = Rs. 3037563.42	Rs.	30,32,653.88
2.	Watering of plantation area with solar system with Bore well fitted with Drip system @ Rs. 254221/- per Ha. Expenditure for 8.559 ha (8.559 x 294221/-) = Rs. 2004697.54	Rs.	20,04,697.54
3.	Bamboo twig fencing over 8.559 ha of plantation area @ Rs 115725/- per 250 Rmt over 1324 Rmt. Expenditure for 1324 Rmt (1324 x 115725/250) = Rs. 6,12,875.00	Rs.	6,12,879.60
Sub-total		Rs.	56,49,231.02
Sowing of seeds over 2.0 ha @ Rs. 35,700/- per ha.		Rs.	71,400.00
Add 20% for escalation		Rs.	14,740.00
Sub-total:		Rs.	88,440.00
TOTAL PLANTATION COST		Rs.	57,78,681.02 Or say 57,79,700.00

(Rupees fifty seven lakh seventy eight thousand seven hundred) only.

Technically Approved

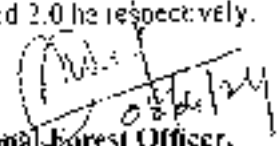
Regional Chief Conservator of Forests
Bourkela Circle

Divisional Forest Officer,
Keonjhar Division

Annexure-III

PROVISION OF FUNDS AND FUND UTILIZATION

Rs. 51,78,700.00/- (Rupees fifty seven lakh seventy eight thousand seven hundred) only utilized by the user agency M/s G.M.C. Ltd on approval of the scheme and the funds will be utilized for raising plantation and cost of sowing of seeds over 8.559 ha and 2.0 ha respectively.


Divisional Forest Officer,
Keonjhar Division

Base Cost Norm for Compensatory Afforestation @ 1600 Seedlings/Ha with 10 Years Maintenance wages Rate@311/Per Manday						
Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in ₹)	Material Cost (in ₹)	Total Cost (in ₹)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1.	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3.	Site preparation (Cleaning & removal of debris)	Nov/Dec	12	3732	0	3732
4.	Creation of 4.00 mt. wide Inspection Path	Feb/Mar	1	311	0	311
5.	Alignment and stacking	Feb/Mar	2	622	0	622
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	64	19904	0	19904
7.	Construction of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Jan/Mar	0	0	3500	3500
Total			82	25502	3600	29102
1st Year/ Planting Year						
1.	Refilling of pits by altering the dug-out soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/Jul	12	3732	8000	11732
2.	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & Stacking the seedling @ Rs. 6/- per Seedling. (1760 nos.)	Jul/Aug	0	0	10560	10560
3.	Watering the polypot seedlings at planting site	Jul/Aug	3	933	0	933
4.	Conveyance of polypot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	Jul/Aug	36	11196	0	11196
5.	Cost of Fertilizer & Insecticide		Jul/Aug	0	4800	4800
	A. NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 80 kg @ Rs. 30/- per kg = Rs. 2400.00					
	B. Urea/ Vermicompost/ Ma Khata/ any other fertilizer in two subsequent doses @ Rs. 1,200.00					
6.	C. Insecticide/ Bio-pesticide @ 5 gms/ plant = 8 kg @ Rs. 150/- per kg = Rs. 1200.00	Jul/Aug	4	1244	0	1244
7.	Casualty Replacement @ 10% (160 nos.)	Jul/Aug	15	4665	0	4665
8.	1 st weeding & Manuring	Aug/Sept	20	6220	0	6220
9.	2 nd Weeding, Soil working (1m. diameter around the plants) and Manuring.	Oct/Nov	3	933	0	933
10.	Fire line tracing (2m. wide fire line over 400 m long) including maintenance of inspection path.	Feb/Mar	12	3732	0	3732
	Watch & Ward including watering as per requirement	Aug-Mar				
TOTAL			105	32655	23360	56015
2nd Year Maintenance						
1.	Transportation of 160 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	960	960

3.	Conditio/replacement 13%	Jul	4	1244	₹	1244
3	Cost of Fertilizer & Insecticide					
	A) Cost of Insecticide/ Bio-pesticide @ 5 qms/plant = 0.8 Kg @ Rs. 150/- per kg = Rs. 120/-	Aug-Sept	0	0	₹	1500
	B) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mc Khata/ any other fertilizer @ Rs. 400/-					
4	Weeding (Complete weeding), Manuring & Soil working (1mt diameter around the plants)	Sept/Oct	20	6120	₹	5220
5	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb-Mar	3	933	₹	933
6	Watch & Ward including watering as per requirement	Apr-Mar	18	5598	₹	5598
7	Maintenance of Temporary Labour Shed, Drinking water facility and First-Aid etc.				₹	1000
	Total		45	13995	₹	20561
3rdYear Maintenance						
7	Cost of Fertilizer Urea/ NPK/ Bio-fertilizer/ Vermicompost/Mc Khata/ any other fertilizer	Sept/Oct	0	0	₹	4400
8	Weeding, Manuring & Soil working (1mt diameter around the plants)	Sept/Oct	20	6120	₹	5220
9	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb-Mar	3	933	₹	933
10	Watch & Ward including watering as per requirement	Apr-Mar	18	5598	₹	5598
11	Maintenance of temporary Labour Shed, Drinking water facility and First-Aid etc.	Apr-Mar			₹	1000
	Total		41	12751	₹	16297
4thYear Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb-Mar	3	933	₹	933
2	Watch & Ward	Apr-Mar	18	5598	₹	5598
	Total		21	6531	₹	6531
5thYear Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb-Mar	3	933.00	₹	933
2	Watch & Ward	Apr-Mar	18	5598.00	₹	5598
	Total		21	6531.00	₹	6531
6thYear Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb-Mar	3	933.00	₹	933.0
2	Pruning of branches Singling out of multiple shoots	Jan-Mar	5	1555.00	₹	1555.0
3	Watch & Ward	Apr-Mar	18	5598.00	₹	5598.0
	Total		26	8086	₹	8086.0
7thYear Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb-Mar	3	933.00	₹	933
2	Watch & Ward	Apr-Mar	18	5598.00	₹	5598
	Total		21	6531	₹	6531
8thYear Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length)	Feb-Mar	3	933.00	₹	933
2	Watch & Ward	Apr-Mar	18	5598.00	₹	5598
	Total		21	6531	₹	6531

9 th Year Maintenance						
1.	Fire line tracing (1 m wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr-Mar	18	5598.00	0	5598
Total			21	6531	0	6531
10 th Year Maintenance						
1.	Fire line tracing (1 m wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598
Total			21	6531	0	6531

Year wise Abstract of Cost Norm (Showing seedling cost separately)							
Sl. No.	Year	No. person days	Labour Cost @ ₹ 311/- per day	Material Cost	Monitoring Evaluation, Learning, Documentation and Other Contingency (5% of (4+5))	Cost of Seedlings @ ₹ 50.31 per seedlings	TOTAL COST (₹)
1.	0 th Year	82	25502	3600	1359.00	0	36501.00
2.	1 st Year	105	32655	23360	2800.00	8854	147361.00
3.	2 nd Year	45	13995	6586	1028.00	9050	26629.00
4.	3 rd Year	41	12751	5496	911.00	0	19148.00
5.	4 th Year	21	6531	0	326.00	0	6857.00
6.	5 th Year	21	6531	0	326.00	0	6857.00
7.	6 th Year	25	8026	0	404.00	0	8490.00
8.	7 th Year	21	6531	0	326.00	0	6857.00
9.	8 th Year	21	6531	0	326.00	0	6857.00
10.	9 th Year	21	6531	0	326.00	0	6857.00
11.	10 th Year	21	6531	0	326.00	0	6857.00
Total		425	132175	39012	8497	96596	276280

Matrix for Model-I-O Conventional CA Plantation (AR) 1600 plants per Ha.

Sl. No.	Concession period year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost
In Rupees																							
1	2021-22	36630	147158	246330	15148	8857	5573	2097	3875	6857	0657												310617
2	2021-23	36630	131729	23674	21162	3375	111	2638	40155	0637	11150												329627
3	2021-24	36630	32025	162185	19306	3375	973	1916	10830	1023	11159	1727											345402
4	2021-25	36630	39126	170331	36051	3618	2318	3678	12583	0637	11170	1673	2313										364068
5	2023-26	36630	29405	139017	31852	3563	2563	5666	10130	1472	11169	1135	32315	22929									376028
6	2026-27	36630	11714	11231	32280	3673	217	11231	32280	3673	11150	14820	12719	12901	13378	13378	14254						397728
7	2027-28	36630						20151	47796	29725	11972	17927	15294	12939	13573	14254	14867						411387
8	2028-29	36630						42616	217715	29075	31106	17293	14233	16908	23937	14867	18712						653266
9	2029-30	36630							62062	226135	48274	31957	12538	12929	16875	14754	14078	14715	14591				853156
10	2030-31	36630							12368	240235	53940	34218	12932	13732	13732	17688	13967	13719	16264			39376	91086

Water Model-W-I		
Water provision to CA Plantation		
Solar system with Bore well (1 system for 5 Ha. Plantation) fitted with Drip system		
Year of Installation (0 th Year)		
1	Cost of Borewell	1,50,000
2	Installation of Solar panel & other System	3,00,000
3	Cost of 0.5 HP submersible motor with accessories	50,000
4	Water Storage Tanks/ Flexible pipes	15,000
5	Cost of laying Drip system including all accessories, fitting etc. with 12% GST	3,02,431
Total		8,17,431
6	Cost of Water & watering per Ha. $(8,17,431/5) = \text{Rs. } 1,63,486$	1,63,486
1 st Year Watering		
7	No maintenance required	0
Total		0
2 nd Year Watering		
8.	Maintenance of system @ 5% of initial cost of installation	8,174
Total		8,174
3 rd Year Watering		
9	Maintenance of system @ 5% of initial cost of installation	8,174
Total		8,174
4 th Year Watering		
10.	Maintenance of system @ 5% of initial cost of installation	8,174
Total		8,174
5 th Year Watering		
k	Maintenance of system @ 5% of initial cost of installation	8,174
Total		8,174

Abstract					
Sl. No.	Year	No. person days	Labour cost @ Rs. 326/- per day	Material Cost	Total cost (Rs.) Considered in the Matrix
1	0 th Year	0	0.0	163486.0	163486.0
2	1 st Year	0	0.0	0.0	0.0
3	2 nd Year	0	0.0	8174.0	8174.0
4	3 rd Year	0	0.0	8174.0	8174.0
5	4 th Year	0	0.0	8174.0	8174.0
6	5 th Year	0	0.0	8174.0	8174.0
Total		0	0.0	196182	1,96,182

Matrix for Watering W1 (Solar Burewell) fitted with Drip System (per Ha)

5

Sl. No	Commencement Year	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Total Cost
	Base Norm	163006																								
1	2021-22	161065																								302327
2	2022-23																									324004
3	2023-24																									233087
4	2024-25																									234221
5	2025-26																									345943
6	2026-27																									458230
7	2027-28																									271142
8	2028-29																									204005
9	2029-30																									266024
10	2030-31																									313881

Fencing for Compensatory Plantation raised inside the Forest Area using Bamboo Twigs & Thorns						
WAGE RATE Rs. 311/- PER DAY						
Sl. No.	Items of work	Preferable Period of Execution	Man days	Wages	Material Cost (Rs.)	Total Cost (Rs. per Ha.)
0th Year (Advance Work)						
1	Nil		0	0	0	0
1st Year Maintenance						
2	Taking an average perimeter of 250 Rmt./Ha. @ 93.85/ mt. (Half bundle Bamboo Twigs/ mt. @ 120/ Bundle) Labour Material = 40.60 (approx)	Sept/Oct	30	9330	14133	23463.0
3	Bamboo poles of 8 height at a distance of 2 mt. spacing to be fixed (2" under soil & 2" above soil) 250/2 = 125 + 1 = 126 Nos. of Bamboo Poles 1 Bamboo (approx) 24" height = 3 poles 126/3=42 Bamboos @ 200/ Bamboo	Sept/Oct		0	8400	8400.0
4	Preparation of Bamboo poles, Digging of holes of 2 ft. depth & fixing Bamboo poles @ 20 poles/MD	Sept/Oct	6.5	2021.5		2021.5
5	Cost of Bamboo for being the Bamboo twigs row fence with double side two strand Bamboo batten (One 6" above ground and other one 4 ft. above ground) (250x2)/24=21 Bamboo @ 200/Bamboo	Sept/Oct		0	4200	4200.0
6	Making Bamboo batten, Finishing the Batten & Tying the same on double strand up Col rope etc. @ Rs. 11/ Rmt.	Sept/Oct	9	2799		2799
7	Cost of col rope @ Rs. 0.125 kg/ Rmt. 500x0.125 kg = 62.5 kg @ Rs. 70/Kg	Sept/Oct		0	4375	4375.0
8	Making one Bamboo Twigs gate with Bamboo frame			0	500.5	500.5
	TOTAL		45.5	14150.5	31608.5	45579.50
2nd Year Maintenance						
9	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	1500	7720
Rate per running mt. 7720/250 = 30.88 or say Rs. 31-Rmt.						
3rd Year Maintenance						
10	Repair & Maintenance of Bamboo Twigs fence including Material cost.	Feb./Mar	20	6220	5675	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
4th Year Maintenance						
11	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	5673	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
5th Year Maintenance						
12	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb./Mar	20	6220	5673	11895
Rate per running mt. 11895/250=47.58 or say Rs. 48 Rmt.						
Abstract						
Sl. No.	Year	No. person days	Labour Cost @ Rs. 311/- per day	Material Cost	Total Cost (Rs.)	
1	0 th Year	0.0	0.0	0.0	0.0	
2	1 st Year	45.5	14150.5	31608.5	45759.00	
3	2 nd Year	20.0	6220	1500.0	7720.00	
4	3 rd Year	20.0	6220	5675.0	11895.00	
5	4 th Year	20.0	6220	5675.0	11895.00	
6	5 th Year	20.0	6220	5675.0	11895.00	
	Total	125.5	39030.50	50133.50	89164.00	

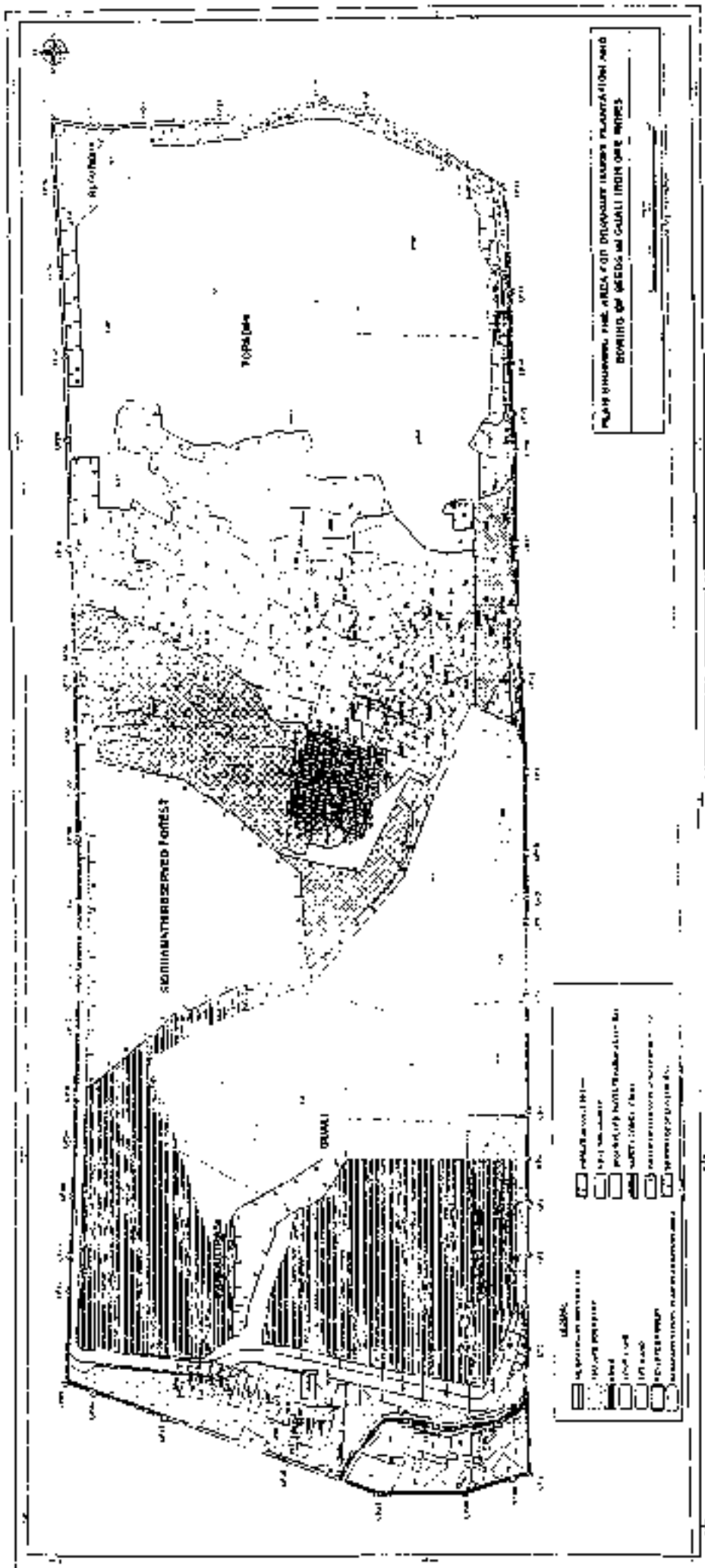
Matrix for Fencing Model F-1 (Bamboo Twig)

In Rupees

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	Total Cost
	Base Norm	0	45759	7710	11895	11895	11895											
1	2021-22	0	48047	8511	13770	14458	15181											99967
2	2022-23		0	50449	8937	14459	15181	15940										304966
3	2023-24			0	52971	9384	15182	15940	16737									110214
4	2024-25				0	55820	9853	15941	16737	17574								115725
5	2025-26					0	58401	10346	16738	17574	18453							121512
6	2026-27						0	61321	10863	17575	18453	19376						127588
7	2027-28							0	64387	11406	18454	19376	20345					133968
8	2028-29								0	67606	11976	19377	20345	21362				140666
9	2029-30									0	70986	12575	20346	21362	22430			147699
10	2030-31										0	74535	13204	21363	22430	23552		155084

ESTIMATE FOR SOWING OF GRASS SEEDS PER HA.

Cost of broadcasting of grass seeds per ha. Labour rate Rs.450.00/- per day				
Sl. No.	Purpose	No. of Labour/quantity of materials	Rate (in Rs.)	Amount in Rs.
1	Spreading of good top soil	03 Nos	450.00/- Labour	1350.00
2	Adding FYM and good earth	2 TL FYM	5625/TL FYM	11250.00
		2 TL Good earth	6750/TL Good earth	13500.00
3	Cost of grass seed 25 Kg/per ha		250/Kg	6250.00
4	Broad casting	10 nos	450.00/-Labour	4500.00
Total				36,850.00



PLEASE STUDY THE AREA FOR DEVELOPMENT PLANNING AND
 DETERMINE THE NEEDS AND QUALITY OF THE AREA

- | | |
|---------------------------|--------------------|
| 1. Agricultural Land | 2. Forest |
| 3. Urban Area | 4. Water Body |
| 5. Barren Land | 6. Road |
| 7. Other Land Use | 8. Boundary |
| 9. Reserved Forest | 10. Canal |
| 11. Non-Agricultural Land | 12. Other Land Use |
| 13. Urban Area | 14. Water Body |
| 15. Barren Land | 16. Road |
| 17. Other Land Use | 18. Boundary |

10/11/2024



**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. *1587* /3F-810/2024 Date: *16.04.2024*

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980, in favour of M/s Odisha Mining Corporation Ltd, for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect o Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.2 (f)	Rs.36,39,300/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28 ^o and;	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.

Encl.:- As above.

Memo No.

Date:


Regional Chief Conservator of Forests,
Rourkela Circle.

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.

SCHEME FOR

CONSTRUCTION OF CHECK DAMS, RETENTION/TOE
WALLS TO ARREST SLIDING DOWN OF THE EXCAVATED
MATERIAL ALONG THE CONTOUR

AT

GUALI IRON ORE MINES
UNDER KEONJHAR FOREST DIVISION

OF

M/S ODISHA MINING CORPORATION LTD.
(A GOVT.OF ODISHA UNDERTAKING)
A Gold Category State PSU
OMC HOUSE, BHUBANESWAR-751001

(As per condition No.13 (C) of the stage-I Forest Clearance granted by
MoEF&CC, Govt.of India vide F.No.8-96/1996-FC(PT.-I) dt 21.12.2023)

(ON ONE TIME COST NORM BASIS)

**SCHEME FOR CONSTRUCTION OF CHECK DAMS, RETENTION/TOE WALLS TO ARREST SLIDING
DOWN OF THE EXCAVATED MATERIAL
ALONG THE CONTOUR**

1. INTRODUCTION.

Stage-I approval for diversion of 194.683ha of forest land for non-forest purpose for Guali Iron ore mine has been accorded vide F. No. F.No.8-96/1996-FC(PT.-I) dt 21.12.2023of Ministry of Environment, Forests & Climate Change subject to fulfilment of certain conditions. The condition No.13 (c) is given as under:

"13 (c). Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme."

In compliance with this condition, a comprehensive scheme is prepared for implementation of the same in 358.258 Ha of ML area of the said mining lease. The scheme has been prepared as per the current wage rate issued by the Labour Commissioner, Odisha vide Gazette Notification dt. 13.03.2024 @ Rs.450/- per Manday.

2. OBJECTIVE OF THE SCHEME:

1. To meet the requirement of condition No. 13(C) of the Stage-I approval granted by MoEF & CC, Govt. of India.
2. To prevent erosion of sediment due to surface runoff.
3. To prevent obstruction to natural water source.
4. To prevent flow of eroded soil from the mining areas to the cultivable lands, natural streams and habitations.

3. PROPOSED METHODOLOGY:

1. Propose to construct retaining wall and garland drain around the waste dumping site.
2. Propose to develop the dump by terracing method.
3. Provision of inwardly sloping, soil bund at the edge of each terraced channel at the toe end of terrace will be made following the rain water management.
4. Propose to construct catch drain on the deep slope.
5. Propose to develop garland drains with settling tanks at the toe of the dumps to allow the settling of silt.

The Salient features of the drainage management plan are as follows:

1. The overall drainage planning has been done in such a manner which follows the existing pre mining drainage routing to the extent possible, maintaining the overall slope in the direction of pre mining flow direction so that run off distribution is not affected.
2. Garland drains have been planned on the sides of quarries and external dumps (depending on contours).

The garland drains shall be routed through catch pits and settling tanks to settle out suspended solids in the storm water. The purified water will be discharged to natural water source.

3. Grass and bushes in drains hold back solid particles during the flow of water in the drain. Small stone barriers constructed across the drain will check water flow and arrest solids.
4. Stone pitching will be made at suitable places to regulate the slope and hence water flow will not be obstructed.
5. Settling pits and drains shall be cleaned intermittently, especially during monsoon.
6. Outer side of the cross-check dams on the drainage lines shall be re-enforced with green cover of non-browsable species like *Jatropha curcas*, *Vitex negundo*, *Gliricidia maculate*.

2. MEASURES PROPOSED TO BE ADOPTED

Structural Measures

Vegetative means of erosion control are the most feasible and economic measures. However, as the pressure on land is increasing, need is felt to bring even higher Retaining Wall. The location map of the ML area is enclosed as Plate No. I.

(i) It has been proposed to construct 4344.00mtr of crated boulder masonry around the proposed OB dump/sub-grade ore dump and excavated area. The masonry will be constructed by using wire mesh and small size R.R. Stones. The height of the masonry structure will be 1mt and the width 1m. The work will be executed with an estimated cost of Rs 1,77,33,700/- (Annexure-I). This will prevent pollution of water flowing in the nala adjoining to the villages.

(ii) It has also been proposed to dig out 4344.0 mt long Garland drain inside the ML area to protect the excavated material being washed out and allowing storm water through the drain into water exit points. The water exit points will be kept according to the contours and direction of flow of the surface runoff at an interval of about 100 mt. The estimated cost of construction of garland drain including cost of surface cutting and blasting comes to Rs 9, 24,400/- (Annexure-II).

3. INSPECTION, MONITORING AND EVALUATION

For successful implementation of the above mitigative measures, intensive inspection and technical guidance from concerned technical wing is required. Sufficient fuel/conveyance charges for technical experts shall be provided by the user agency for proper execution of these programmes. Budgetary provision of 15% of the total project cost has been earmarked on this score.

4. EXECUTING AGENCY

The works in the present Scheme shall be executed by the User Agency having specialized departments headed by qualified persons with outsourced man and machinery. To facilitate this, the user agency shall establish its own executing and supervision cells along with required infrastructural facilities. In order to maintain the quality of work, in-house supervision through competent personnel shall be provided. The entire work shall be carried out in coordination with the Forest Department. The location of crated boulder wall and garland drain is shown on the map enclosed as Plate No. II.

5. REQUIREMENT OF FUNDS

The total cost of the implementation of mitigative measures will be Rs 2, 77,99,900/- (Rupees two crore seventy seven lakhs ninety nine thousand nine hundred) only for implementation of the above mitigation measures, the above expenditure will be made over the next ten years period. Therefore, budget provision will be kept by the user agency for implementation of the above mitigation measures over a period of next ten years. This budget will be subject to increase in amount considering the increase in materials and labour charges. The tentative expenditure planned for the implementation of mitigative measures is given in the following table:

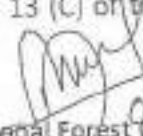
FINANCIAL FORECAST

Sl. No.	Particulars of interventions	Financial involvement (Rs)
1	Development of crated boulder masonry wall over a length of 4344.00 mtr as at (Annexure-I)	1,77,33,700.00
2	Excavation of garland drain over a length of 4344.00 mtr as at (Annexure-II)	9,24,400.00
3	Desiltation work of Garland drain, settling pond and check dam twice in a year (on lump sum)	6,00,000.00
4	Maintenance of retaining wall (5% of the cost)	8,86,685.00
	Sub-total	2,01,44,785.00
	Inspection, monitoring and evaluation @15% of the total project cost	30,21,717.75
	Sub-total	2,31,66,502.75
	Price escalation @20%	46,33,300.55
		2,77,99,803.30
	Grand Total	Or say Rs 2,77,99,900.00

(Rupees two crore seventy seven lakhs ninety nine thousand nine hundred) only
The work shall be taken up by the User Agency as per condition no. 13 (C) of the Stage-I grant order.

Technically Approved

~~Regional Chief Conservator of Forests
Rourkela Circle~~


Divisional Forest Officer
Keonjhar Forest Division

Development of crated boulder masonry near proposed OB dump

(Length of the wall = 4344.00 mtr.)

1) E/W excavation by mechanical means.

Qty. 4344 m x 2m x 0.3 = 2606.40 Cum

Taking Qty. 80% = 2085.12Cum @ Rs.66.00= Rs. 1,37,617.92

2) Blasting.

Taking 20% of Qty item (1) =521.28Cum @ Rs. 445.28 = Rs. 2,32,115.56

3) Providing crate boulder.

Bottom layer: 4344m x 1.5m x1.00 = 6516.00Cum

Second layer: 4344m x 1.00m x 1.00m = 4344.00Cum

10860.00 Cum

@ Rs. 1598.89/Cum = Rs. 1,73,63,945.40

Total Rs. 1,77,33,678.00

Or SayRs. 1,77,33,700.00

Excavation of Earthen drain (Garland drain) near proposed OB dump at Guali iron ore Mines

1) E/W excavation by mechanical means.

4344m x 1.0 x 1.5 = 6516 Cum

Taking 80% of above = 5212.80 Cum @ Rs. 66/Cum =Rs. 3,44,044.80

2) Blasting. 20% of Item (1) =1303.20 Cum @ Rs. 445.28/Cum = Rs. 5,80,288.90

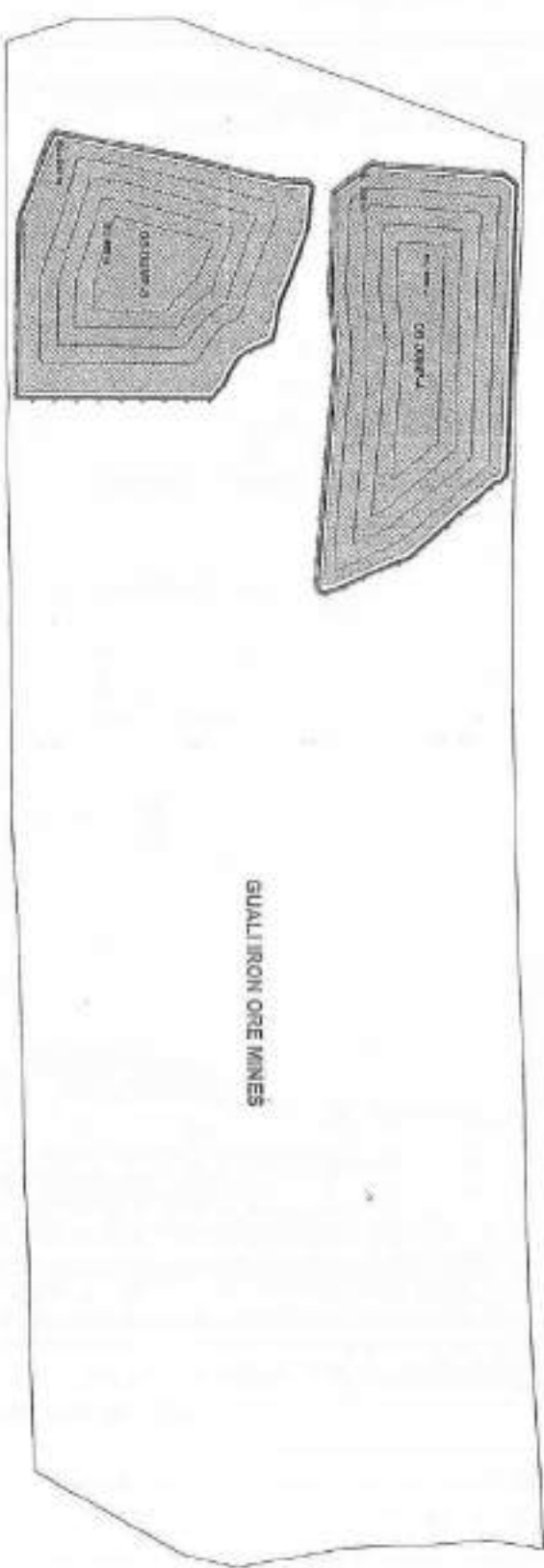
Rs. 9,24,333.70

Say Rs. 9,24,400.00

MAP SHOWING CONSTRUCTION OF CHECK DAMS, RETAINING WALL AND SETTLING POND IN GUALI IRON ORE MINES OF OMC LTD.



1:4,000



INDEX

- CHECK DAM UNDER CONSTRUCTION
- TERRACE
- SANDWASH CHANNEL
- RETAINING WALL/SETTLING WALL
- OVER SUNCTION DAM
- M. BOUNDARY

Handwritten signatures and initials.



OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.

Memo No. 1587 /3F-810/2024 Date: 16.04.2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Gull Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect of Gull Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.2 (f)	Rs.36,39,300/-
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3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,78,700/-
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5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and;	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.


Encl.:- As above.

Memo No.

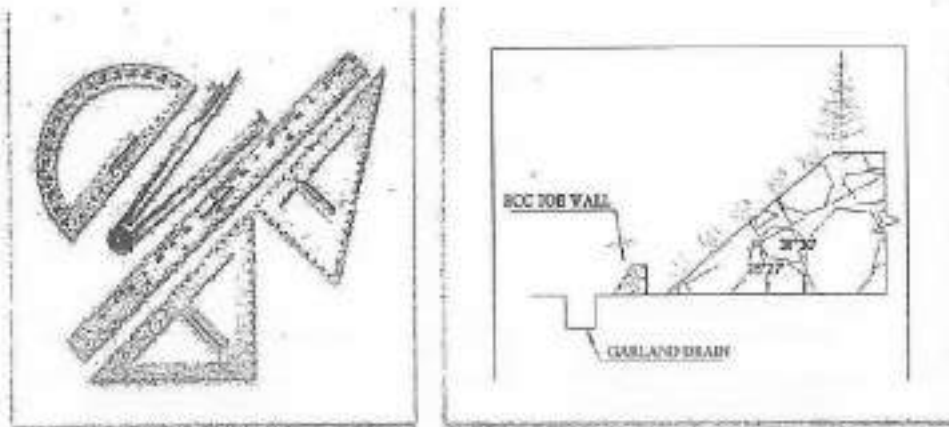
Date:


Regional Chief Conservator of Forests,
Rourkela Circle.

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.

**SCHEME TO STABILIZE OVERBURDEN DUMP
BY
GRADING AND BENCHING
IN
GUALI IRON ORE MINES OF
M/S OMC LTD AGAINST DIVERSION OF
194.683 HA OF FOREST LAND
IN
KEONJHAR FOREST DIVISION.**



As per Condition no.13 (c) of in-principle Approval of MoEF&CC, Govt.of India
vide letter no F.No.8-96/1996-FC (PT.-I) Dated 21.12.2023

(ON ONE TIME COST NORM BASIS)

SCHEME TO STABILIZE OVERBURDEN DUMP BY APPROPRIATE GRADING & BENCHING.

1.0 Introduction

Stage-I approval for diversion of 194.683 ha of forest land for non-forest purpose for Quali Iron Ore Mines has been accorded vide F.No.8-96/1996 FC(PT.-I) Dated 21.12.2023 of MoEF & CC subject to fulfillment of certain conditions. The condition No.13 (d) stipulates that:

"13 (d) Stabilize the over burden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°"

In compliance with this condition, a comprehensive scheme is prepared for implementation in 194.683 ha of forest area of the said mining lease as per the one-time Cost Norm issued by PCCP (FD & NO, FC Act) for Compensatory Afforestation vide letter dt. 08.11.2021 and 01.12.2021. As per the para-2 of the said guideline, Compensatory Afforestation to be prepared by delinking the CA scheme to wage rate revision and material cost escalation for easy of doing business.

2.0 Present Scenario:

The Mining activities will be carried out in accordance with the mining plan approved by Regional Controller of Mines, Indian Bureau of Mines, Bhubaneswar. The proved mineral reserve of the mine is 160.136 million tons of iron ore. Sub-grade ore production will be stored temporarily. Since the mine cannot be worked effectively by progressive closing mined out area and reclamation by backfilling, requirement of space for dumping of overburden will be sizable. As per the approved plan, 56.90ha area will be used for dumping overburden and needs to be stabilized during conceptual stage. The key plan showing the area is enclosed as Plate No.I.

3.0 Salient points of waste management

- For the management of dump, height and width of individual terrace has been considered as 15m and 15 m respectively.
- Ultimate height of dump-A and dump-B will be 85m 105m respectively.
- Inward slope is to be provided so that rain water will move towards dump side. It will prevent rain water flow from terrace to lower contour through the walls of the dump and forming gullies/rain cuts and rolling down of waste materials.
- Towards the inner side of terrace, half concrete open pipe are placed to collect rainwater and not allowing penetrating the dump.
- Crated Boulder retaining wall of 2m height (0.5m below ground + 1.5m above ground) X 1.0m wide will be constructed around the dump margin.
- It aims to check any roll down waste from the dump.

- At regular intervals clear openings are provided at the bottom to allow water to pass out and join the Garland drains.
- Constructed guard wall is of loose boulders.
- Garland drains around the dump will be constructed.
- At the end of the garland drain settling tanks of 15m x 10m x 1m deep is constructed to allow settling of carried materials.
- Slope of each terrace to be maintained $< 28^\circ$.
- Over all slope shall be $< 28^\circ$.

Anticipated fallout.

A. Failure of Dumps:

Three types of Dump Failure may occur in the present type of dump. These are

- Slope Failure.
- Toe failure
- Base failure.

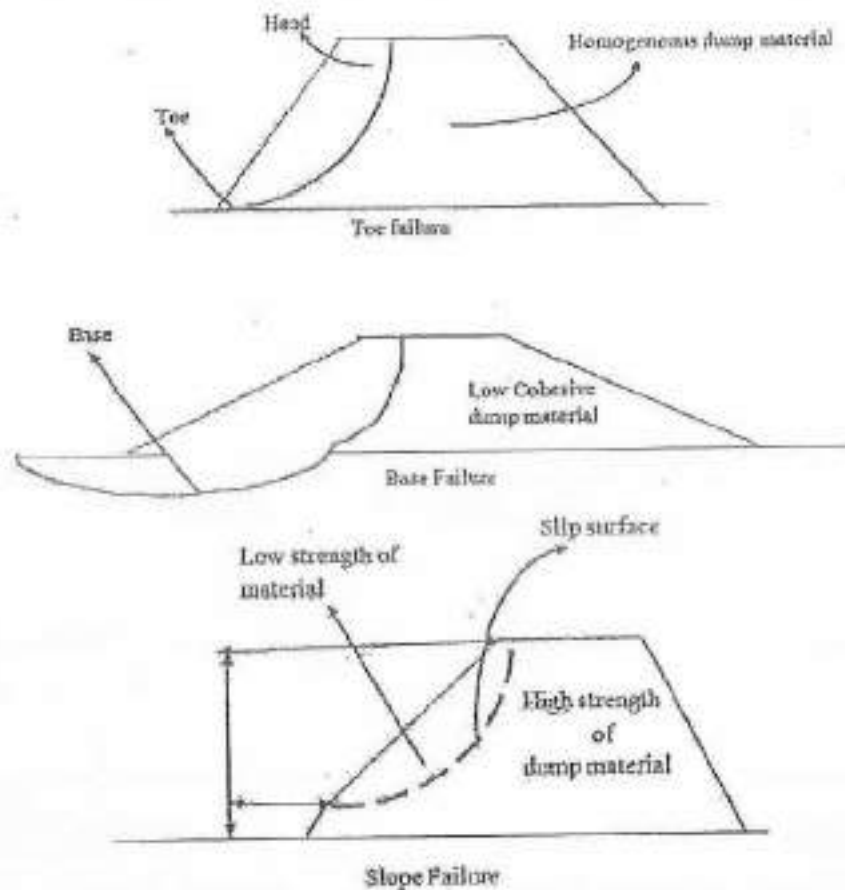


Figure 1: Dump failure line of slip.



Figure 2: Dump Failure Situation.

Reasons for failure.

i. Ground water and surface water flow condition plays a critical role on the stability of dump slope. Frictional strength is reduced as the height of dump is raised, due to presence of water. The pore water pressure reduces the normal stress acting on material. The cohesive strength of weak geo-material will be further reduced due to presence of pore water pressure. Waste dump placed in a loose state, shear failure is often followed by static liquefaction which is complete loss of strength. The flow of water may enhance the seepage force, leading to formation and migration of tension crack.

ii. Erosion also plays an important role in affecting the stability by surface weathering, ground water or surface water seepage, toe erosion and slope modification, ground water or surface runoff. Erosion changes the waste dump slope geometry and morphological character. The weathering and attrition of material at the toe of a potential slide reduce the restraining force that may destabilize the slope. Erosion of void filling materials, or zone of percolation can efficiently decrease cohesion among grain boundaries. The cohesion strength notable reduce the rock mass shear strength. The decrease in shear strength may allow movement of dump slope along weak plane. In addition localized erosion may also result in increase permeability and ground water flow along the slope. This may lead to failure due to formation of gully and deep flow channels in dump.

iii. Other affecting parameters are

- Gradient of the Seam,
- Ground Water Regime
- Nature of Over burden Rock
- Presence of clay and Soil layers and their properties.
- Angle of Repose of the broken Over burden rock

- Cohesion of the Over burden Rock materials
- Height of CB Dump in one stretch
- Ultimate Height and Slope of Waste Dump
- Dump Stability Parameters Strip/Cut Width and Depth.

B Dust pollution due to wind/whorl wind.

The average wind speed as noticed in post monsoon is 2.25m/s with a maximum speed of 6.13m/s. In winter the average speed is 1.31m/s with a maximum speed of 5.61m/s. This wind speed has a capacity to pick up heavy dust from dry surface of dump, ore stack & sub grade stack.

C. Loss of life & property.

Failure of dump may cause loss of life & property. May put occupational hazards to workman.

Summary of prescription on Benching & Grading:

- Bench height: 20m,
- Bench Width: 15m
- Number of Benches: Dump A-5 and Dump B-5
- Overall slope: $<28^\circ$.
- Slope of each terrace: $<28^\circ$.

4.0 Stabilization of Over Burden Dump:

Mining plan along with progressive mine closure plan has been approved by IBM vide letter dt 19.03.2021. As per the approved mining plan Waste Dump-A will be created along the co-ordinates N-2433433 to N-2433713 and E-323200 to E-323795 during the plan period over an area of 20.18 ha. The same dump will be extended and utilized to accommodate the waste generated during the conceptual period also over an area of 28.97 ha along N-2433340 to N-2433767 and E-323168 to E-324050. Further one more dump (Waste Dump-B) will be created along N-2432659 to N-2433113 and E-323098 to E-323642 over an area of 27.93 ha during conceptual period. Thus at the end of conceptual period the dump area will be 56.90 Ha.

After the declaration of dead of the Over Burden dump, the same shall be covered by means of plantation.

- Total area to be utilized as over burden dump=56.90 ha
- Slope length of over burden dump=15814 mtr
- In the top of the each bench around 3 mtr area will be utilized as road for dump plantation: $15844 \text{ mtr length} \times 3 \text{ mtr} = 47,532 \text{ m}^2 = 4.75 \text{ ha}$
- At the bottom of the each bench around 1 mtr area will be utilized as drain: $15844 \text{ mtr length} \times 1 \text{ mtr} = 1.58 \text{ ha}$

➤ In every 50 meter one meter depth of earthen drain will be provided. So around 317 (15844/50) no. of earthen will be provided. So, the area covered under drain will be 317 no. x 1 m depth x 20 m length = 6340 m² = 0.63 ha

➤ Hence an area over 6.96 ha (4.75 ha + 0.53 ha) will be deducted for plantation and grass seeding purposes.

4.1 By grass seeding: Out of 56.90 ha of OB dump area, grass seeding over 49.94 ha (56.90-6.96) of over Burden dump will be carried out before planting tall trees to stabilize Over Burden dump.

4.2 By Planting Tall trees: Plantation over 49.94 ha will be carried out after the dump is declared dead. The details of plantation is given as under:

4.2.1 **Planting & post-planting operations:** Block Plantation over 49.94 ha will be carried out @ 1600 plants/Ha. All planting & post planting measures like casualty replacement, soil working, manuring, fire protection etc. will be undertaken as given in Cost norm for Block plantation with 1600 seedlings furnished as Annexure-IV.

While taking up plantation, the following vital points shall be taken up for consideration.

- ❖ Care to be taken to raise healthy seedlings of minimum 60 cm height. 10% extra seedlings are to be raised for replacement of casualty
- ❖ Pitting shall invariably be done during November-February i.e., before onset of monsoon. If possible the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first.
- ❖ Planting shall be done on the onset of monsoon to get full benefit of monsoon rain and should not be delayed.
- ❖ Basal dose of 50 grams of NPK and 5 grams of Chlorpyrifos dust per plant should be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with fertilizer.
- ❖ In case of any mortality of planted seedlings, it should be replaced with good seedlings as soon as possible for better success rate.
- ❖ Complete weeding in proper time will be done. Strip weeding will not be permitted.
- ❖ Soil-working and application of 2nd dose fertilizer of 50 gms NPK/plant should be done in time

Since the area is provided with barbed wire fence, watch & ward will be easier. Watchers may be engaged in weeding in problematic areas along with watch & ward.

4.2.2 Spacing: The spacing adopted for the plantation in gaps is 2.5 mtr X 2.5 mtr. Alignment and pit marking should be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs and not the distance measured along the slope.

4.2.3 Species: Although indigenous species are to be preferred in the plantation, considering adverse soil & moisture conditions we may go for hardy exotic species where required so that the plants are able to survive. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted.

Name of species	Common name	Remarks
<i>Acacia auriculiformis</i>	Acacia	In rocky exposed areas
<i>Azadirachta indica</i>	Neem	In well-drained soil
<i>Derris indica</i>	Karanja	In area with good soil depth
<i>Emblia officinalis</i>	Amla	In area with soil depth
<i>Cassia siamea</i>	Chakunda	In rocky and exposed areas
<i>Dalbergia sissoo</i>	Sissoo	In lower areas with good soil depth
<i>Gmelina arborea</i>	Gambhari	In lower areas with good soil depth
<i>Dendrocalamus strictus</i>	Salia bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
<i>Zizyphus mauritania</i>	Ber	In rocky areas with low soil depth

5.0. Monitoring & Evaluation.

The implementation & its maintenance will be evaluated by the authority of the User Agency regularly. The Divisional Forest Officer, Keonjhar Forest Division may be kept informed from time to time as required.

6.0 Implementing Agency.

This prescription is to be implemented by the user agency. The Plan showing OB dump with terrace, drain with plantation and grass sowing area is enclosed as Plate No. II.

7.0 Financial Forecast

Financial Forecast for the measures proposed like development of created boulder masonry and excavation of garland drain has been considered in separate schemes under this stage-I approval and attached herewith. So, no additional cost for the same has been proposed in this scheme. Financial Forecast for the measures like Terracing of OB dump, earthen drain within the slope of OB dump, grass seeding on OB dump and plantation on OB dump area has been proposed in this scheme. The detail of financial forecast for scheme is given as under:

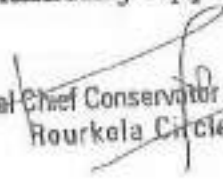
FINANCIAL FORECAST

Sl. No.	Particulars of interventions	Financial involvement (Rs)
1	Terracing of OB dump over a length of 316880 sq.mt @ Rs.7.00/sq.mt (Annexure-I).	22,18,160.00
2	Excavation of earthen drain of 6340 cum over a slope length of 15844 mtr in every 50 mtr within the slope of proposed OB dump along with stone patching (Annexure-II).	29,52,680.65
3	Cost for sowing of grass seeds over 49.94 (56.90-6.96) ha @ Rs. 36,850/- ha (Annexure-III).	18,40,289.00
4	Maintenance of grass seed @ (5 mandays for period of six month) Total 900 mandays (180 x 5) for six months: 900 x Rs. 450.00 = 4,05,000.00	4,05,000.00
5	Block plantation (1600 plants/ha) over 49.94 (56.90-6.96) ha of OB dump area @ Rs. 358998/Ha (Annexure-IV).	1,79,28,360.12
	Sub-Total:	2,53,44,489.77
	Inspection, monitoring and evaluation @15% of the total project cost.	38,01,673.47
	Total	2,91,46,163.24
	Price escalation @20%	58,29,232.65
		3,49,75,395.89
	Grand Total	Or say Rs.3,49,75,400.00

(Rupees three crore forty nine lakh seventy five thousand four hundred) only


 Divisional Forest Officer
 Keonjhar Forest Division

Technically Approved


 Regional Chief Conservator of Forests
 Rourkela Circle

Engagement of HEMM (Heavy earth mining machineries) in dump slope for terracing

1. Location- over burden dump-work efficiency of HEMM machine per hour-200Sq.m on the dump. (Average height of the terrace-20 mt)
2. Rate of engagement of HEMM Machine Rs. 1400/hr
3. Terracing cost at OB dump/sq.m- Rs. 1400/200=Rs.7.00
4. In our OB dump average slope length=15844mtr(A-8915 mtr + B-6929mtr)
5. Average height of terrace 20mt.
6. Total terrace area in sq.m= 15844 x 20=3,16,880 sqm

Annexure-II**Excavation of earthen drain in every 50 meter within the slope of proposed OB dump****A: E/W Excavation by Mechanical Means**

1. In our OB dump average slope length=15844 mtr
2. Total no. of drain required within 15844 mtr slope length= 15844/50=317nos.
3. Average height of terrace 20 mt.
4. E/W excavation by mechanical means for one drain= 20m x 1m x 1 m=20 Cum
5. Total volume to be excavated for 317nos. of drain=317 x 20=6340cum
6. Taking Rs. 66.00/Cum, total cost for excavation of 6340 cum of earthen material
= Rs.4,18,440

B: Providing crate boulder

1. Crate boulder pitching within earthen drain: 6340 x 0.5 x 0.5= 1585 Cum
2. Considering Ra. 1598.89/Cum, the cost of boulder pitching within earthen drain=1585 x 1598.89=Rs 25,34,240.65

Total Cost= Rs.4,18,440+25, 34,240.65 =Rs 29,52,680.65

Annexure-III**Estimate for sowing of grass seeds per ha.**

Cost of broadcasting of grass seeds per ha. Labour rate Rs.450.00/- per day				
Sl. No.	Purpose	No. of Labour/quantity of materials	Rate (in Rs.)	Amount in Rs.
1	Spreading of good top soil	03 Nos	450.00/- Labour	1350.00
2	Adding FYM and good earth	2 TL FYM	5625/TL FYM	11250.00
		2 TL Good earth	6750/TL Good earth	13500.00
3	Cost of grass seed 25 Kg/pe ha		250/Kg	6250.00
4	Broad casting	10 nos	450.00/-Labour	4500.00
Total				36,850.00

Compensatory Afforestation@ 1600 Seedlings/Ha with 10 Years Maintenance						
Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in ₹)	Material Cost (in ₹)	Total Cost (in ₹)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1.	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3.	Site preparation (Clearing & removal of debris)	Nov/Dec	12	3732	0	3732
4.	Creation of 4.00 mt. wide Inspection Path	Feb/Mar	1	311	0	311
5.	Alignment and stacking	Feb/Mar	2	622	0	622
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	64	19904	0	19904
7.	Construction of Temporary Labour Shed, Drinking water facility and Fire-Air etc.	Jan/Mar	0	0	3500	3500
	Total		82	25502	3600	29102
1st Year/ Planting Year						
1.	Refilling of pits by altering the dug-out soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same properly.	Jun/Jul	12	3732	8000	11732
2.	Transportation of 18 months old polypot seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including Loading & unloading. (Average lead of 10 Rkm) & Stacking the seedling @ Rs. 6/- per Seedling. (1760 nos.)	Jul/Aug	0	0	10560	10560
3.	Watering the polypot seedlings at planting site	Jul/Aug	3	933	0	933
4.	Conveyance of polypot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	Jul/Aug	36	11196	0	11196
5.	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 80 kg @ Rs. 30/- per kg = Rs. 2400.00 (b) Urea/ Vermicompost/ Mo Kheta/ any other fertilizer in two subsequent doses @ Rs. 1,200.00 (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 8 kg @ Rs. 150/- per kg = Rs. 1200.00	Jul/Aug	0	0	4800	4800
6.	Casualty Replacement @ 10% (160 nos.)	Jul/Aug	4	1244	0	1244
7.	1 st weeding & Manuring	Aug/Sept	15	4665	0	4665
8.	2 nd Weeding, Soil working (1mt. diameter around the plants) and Manuring.	Oct/Nov	20	6220	0	6220
9.	Fire line tracing (2m. wide fire line over 400 m long) including maintenance of inspection path.	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering as per requirement	Aug-Mar	12	3732	0	3732
	TOTAL		105	32655	23360	56015
2nd Year Maintenance						
1.	Transportation of 160 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0	0	960	960
2.	Casualty replacement- 10%	Jul	4	1244	0	1244
3.	Cost of Fertilizer & Insecticide A) Cost of Insecticide/ Bio-pesticide @ 5 gms/plant = 0.8 Kg @ Rs. 150/- per kg = Rs. 120/-	Aug/Sept	0	0	4606	4606

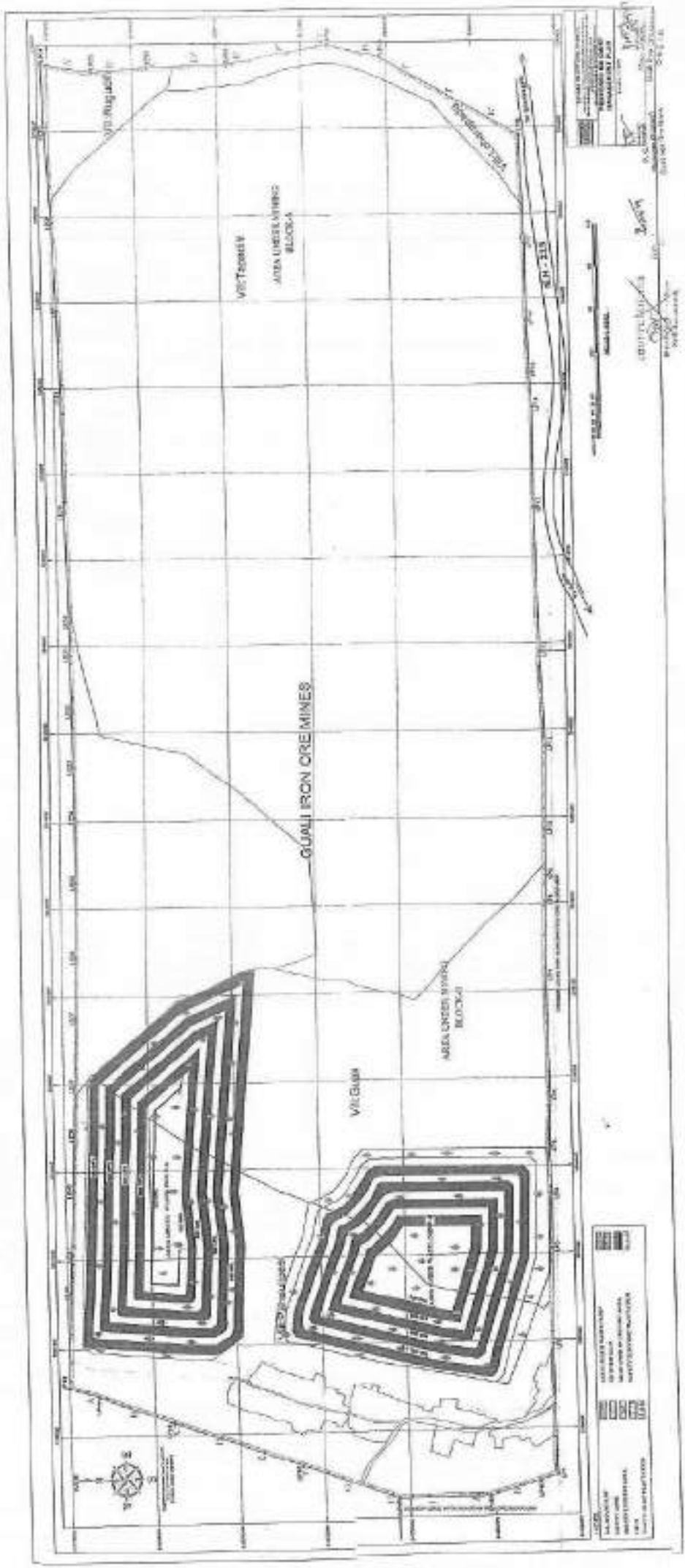
	B) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs. 4436/-					
4.	Weeding (Complete weeding), Manuring & Soil working (1m. diameter around the plants)	Sept/Oct	20	6220	0	6220
5.	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
6.	Watch & Ward including watering as per requirement	Apr-Mar	18	5598	0	5598
7.	Maintenance of Temporary Labour Shed, Drinking water facility and First-Aid etc.				1000	1000
	Total		48	13995	6566	20561
3rdYear Maintenance						
7.	Cost of Fertilizer Urea/ NPK/ Bio-fertilizer/ Vermi compost/Mo Khata/ any other fertilizer	Sept/Oct	0	0	4486	4486
8.	Weeding, Manuring & Soil working (1m. diameter around the plants)	Sept/Oct	20	6220	0	6220
9.	Fire line tracing (2 m wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering as per requirement	Apr/Mar	18	5598	0	5598
11.	Maintenance of Temporary Labour Shed, Drinking water facility and First-Aid etc.	Apr/Mar			1000	1000
	Total		41	12751	5486	18237
4thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	933	0	933
2.	Watch & Ward	Apr-Mar	18	5598	0	5598
	Total		21	6531	0	6531
5thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531
6thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933.0
2.	Pruning of branches, Singling out of multiple shoots	Jan/Mar	5	1555.00	0	1555.0
3.	Watch & Ward	Apr-Mar	18	5598.00	0	5598.0
	Total		26	8086	0	8086.0
7thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531
8thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531
9thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward	Apr-Mar	18	5598.00	0	5598
	Total		21	6531	0	6531
10thYear Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933	0	933
2.	Watch & Ward	Apr/Mar	18	5598.00	0	5598

		Total	21	6531	0	6531	
Year wise Abstract of Cost Norm (Seedling cost separately)							
Sl. No.	Year	No. person days	Labour Cost @ ₹ 311/- per day	Material Cost	Monitoring Evaluation, Learning, Documentation and Other Contingency (5% of (4+5))	Cost of Seedlings @ ₹ 50.31 per seedlings	TOTAL COST (₹)
1.	0 th Year	82	25502	3600	1398.00	0	30500.00
2.	1 st Year	105	32655	23360	2800.00	88546	147361.00
3.	2 nd Year	45	13995	6566	1028.00	8050	29639.00
4.	3 rd Year	41	12751	5486	911.00	0	19148.00
5.	4 th Year	21	6531	0	326.00	0	6857.00
6.	5 th Year	21	6531	0	326.00	0	6857.00
7.	6 th Year	26	8086	0	404.00	0	8490.00
8.	7 th Year	21	6531	0	326.00	0	6857.00
9.	8 th Year	21	6531	0	326.00	0	6857.00
10.	9 th Year	21	6531	0	326.00	0	6857.00
11.	10 th Year	21	6531	0	326.00	0	6857.00
Total		425	132175	39012	8497	96596	276280

Matrix for Model-I-B Conventional CA Plantation (AR) 1600 plants per Ha.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost
	Base Norm	36800	147361	29039	15148	6857	6857	8400	6857	6857	6857	6857											
1	2021-22	30500	151728	32674	22166	8335	8751	11377	9648	10151	10637	11168											310117
2	2022-23		30025	162465	34308	22274	8752	9180	11948	10130	10638	11169	11727										325623
3	2023-24			13626	170388	36023	24438	9190	9648	12543	10637	11170	11727	12313									341903
4	2024-25				38007	159113	37824	25560	5650	10130	13170	11889	11729	12313	12929								388998
5	2025-26					37072	148023	35715	20043	10133	10837	13820	11727	12315	12609	13375							375048
6	2026-27						56036	197477	41700	28230	10460	11160	14820	12315	12891	13375	14054						395796
7	2027-28							60872	267351	43786	29705	11172	11727	12366	12929	13578	14254	14867					415587
8	2028-29								42916	217719	45875	31190	11331	12319	16008	13575	14257	14967	15715				436766
9	2029-30									45062	228605	48274	32750	12318	12929	16808	14254	14970	15712	16591			458186
10	2030-31										47315	240035	50688	34388	32334	13675	17648	14967	15710	16591	17326		481096

3





**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. 1587 /3F-810/2024 Date: 16.04.2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub: Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd, for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Gull Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub: Submission of Schemes in respect of Gull Iron Ore mining Lease of M/s OMC Ltd.

Ref:- 1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.2 (f)	Rs. 36,39,300/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and;	No. 13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.

Encl.:- As above.


Regional Chief Conservator of Forests,
Rourkela Circle.

Memo No.

Date:

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.

Photographs showing ML boundary pillars and safety zone pillars within Gull Iron Ore Mines of OMC Ltd.





SCHEME FOR
DEMARCATIION, FENCING, PROTECTION AND
AFFORESTATION

OF

THE SAFETY ZONE AREA

(7.5 MTR STRIP ALL ALONG THE INNER SIDE OF THE ML BOUNDARY)

OVER

REMAINING 1.444 HA

AT

GUALI IRONORE MINES

UNDER KEONJHAR FOREST DIVISION

OF

M/S ODISHA MINING CORPORATION LTD.

(A GOVT. OF ODISHA UNDERTAKING)

A Gold Category State PSU

OMC HOUSE, BHUBANESWAR-751001

(As per condition No.14 (a, b, c & d) of the stage-I Forest Clearance granted by
MoEF & CC, Govt. of India vide F.No. 8-96/1996-FC (PT.-I) dtd. 21.12.2023)

(ON ONE TIME COST NORM BASIS)

SCHEME FOR FENCING, PROTECTION AND AFFORESTATION OF THE SAFETY ZONE AREA (7.5MTR STRIP ALL ALONG THE INNER SIDE OF THE MI BOUNDARY) OVER REMAINING 1.444HA AT GUALI IRON ORE MINES OF M/S ODISHA MINING CORPORATION LTD.

INTRODUCTION:

Government of India in the Ministry of Environment, Forests & Climate Change have approved the Stage-I forest clearance vide F.No. 8-96/1996-FC (PT.-I) dttd 21.12.2023 for diversion of 394.683 ha of forest area in Guali Iron Ore Mines of OMC Ltd. In this approval, MoEF & CC has stipulated some conditions to be fulfilled before Stage-II forest clearance is accorded. The condition no. 14 (a, b, c, & d) of the Stage-I forest clearance is read as under:

"14. Safety Zone Management: Following activities, at project cost, shall be undertaken by the user agency for the management of safety zone as per relevant guidelines issued by the Ministry's guidelines:

a. User agency shall ensure demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department

b. Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;

c. Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department;

d. The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms;"

In order to comply the above condition, the current scheme is formulated for fencing, protection and regeneration of safety zone area within Guali Iron Ore Mines. Since the area has poor vegetation, the scheme aims to regenerate the area by taking ANR plantation. The length of outer periphery of safety zone is 1926.00 mtr and the area of safety zone is 1.444 ha (Total Safety Zone along 7.5 mtr strip: 5.080 ha -Plantation already undertaken in 7.5mtr strip: 3.636 ha). A scheme over 1.444 ha for ANR plantation of 500 plants per hectare has been prepared as per one-time Cost Norm issued by PCC² (FC &NO, FC Act) for Compensatory Afforestation vide letter dt. 08.11.2021 and 01.12.2021. As per the para-2 of the said guideline, Compensatory Afforestation to be prepared on "one time cost norm basis" by delinking the CA scheme to wage rate revision and material cost escalation for easy of doing business.

TOPOGRAPHY AND EXISTING VEGETATION:

The area under safety zone is undulatory with gentle slope. The soil is mostly lateritic. Soil type is Lateritic. Some patches support shallow soil and even exposed rocks within the site.

PROPOSED TECHNIQUES FOR PLANTATION/REGENERATION:

It is proposed to take up ANR plantation with 500 plants per ha over the entire area of 1.444 ha.

Objective of the scheme:

The main objective of the present scheme is to take up plantation in the safety zone of the M.L. area so that a complete green belt around the mine is maintained which will serve the following purpose:

- i) It will be a permanent demarcation zone for the M.L. area which will be easily distinguishable.
- ii) It will help in controlling pollution to some extent near the mine.
- iii) It will provide alternate habitat to birds and animals who have lost their habitat due to mining activity.
- iv) Protect the periphery of the mine from soil erosion and land slide.
- v) It will act as a barrier from encroachment by adjoining lessee.

Item of works to be taken up:

To achieve the above objectives, the following items of works are prescribed to be taken up:

1. Survey & demarcation of ML boundary.
2. Fencing.
3. Plantation & post-planting operations.

1. Demarcation of ML boundary:

The outer periphery of the Mining Lease area and safety zone area has already been surveyed and demarcated. The plan showing the ML area on Topo sheet is enclosed as Plate No.I.

2. Fencing:

To protect the plantation from grazing and other biotic interference, it will be provided with chain link wire fencing along the outer periphery over 1926.00mtr. There will be provision of one RCC pillar erected at every 2.5 meter distance with provision of two extra cross pillars for each corner station points. There will be chain link wire fencing for better protection purpose. The cost estimate for chain link wire fencing has been provided in Annexure-I. There will be no fence on the inner side.

3. Planting & post-planting operations:

ANR plantation with gap planting of 500 seedlings per ha over 1.444 ha shall be taken up. All planting & post planting measures like casualty replacement, soil working, manuring, fire protection etc. will be undertaken as given in the Cost norm for ANR with gap plantation of 500 seedlings, furnished as Annexure-II.

While taking up plantation, the following vital points shall be taken up for consideration.

- ❖ Care to be taken to raise healthy seedlings of minimum 60 cm height. 10% extra seedlings are to be raised for replacement of casualty.
- ❖ Pitting shall invariably be done during November-February i.e., before onset of monsoon. If possible the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first.
- ❖ Planting shall be done on the onset of monsoon to get full benefit of monsoon rain and should not be delayed.
- ❖ Basal dose of 50 grams of NPK and 5 grams of Chlorpyrifos dust per plant should be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with fertilizer.
- ❖ In case of any mortality of planted seedlings, it should be replaced with good seedlings as soon as possible for better success rate.
- ❖ Complete weeding in proper time will be done. Strip weeding will not be permitted.
- ❖ Soil-working and application of 2nd dose fertilizer of 50 gms NPK/plant should be done in time. Since the area is provided with barbed wire fence, watch & ward will be easier. Watchers may be engaged in weeding in problematic areas.

4. Spacing: The spacing adopted for the plantation in gaps is 2.5 mtr X 2.5 mtr. Alignment and pit marking should be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs and not the distance measured along the slope.


5. Species: Although Indigenous species are to be preferred in the plantation, considering adverse soil & moisture conditions we may go for hardy exotic species where required so that the plants are able to survive. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted.

Name of species	Common name	Remarks
<i>Acacia auriculiformis</i>	Acacia	
<i>Azadirachta indica</i>	Neem	
<i>Derris indica</i>	Karanja	
<i>Embllica officinalis</i>	Amla	
<i>Cassia siamea</i>	Chakunda	
<i>Dalbergia sissoo</i>	Sissoo	In lower areas with good soil depth
<i>Gmelina arborea</i>	Gambhari	In lower areas with good soil depth
<i>Dendrocalamus strictus</i>	Salla bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
<i>Zizyphus mauritania</i>	Ber	In rocky areas with low soil depth
<i>Ficus benghalensis</i>	Bar	
<i>Ficus religiosa</i>	Pipal	

6. Protection of the plantation: Chain link wire mesh fence with RCC pillars along outer periphery of the M.L. area will be provided. Few watchers will also be engaged for protection of the plantation.

7. Total cost of the project: Total cost of the project will be Rs 39, 67,300.00 (Rupees thirty nine lakhs sixty seven thousand three hundred) only as detailed in Annexure-III.

8. Executing agency: Since the work will be done inside the Mining Lease area, it will be convenient for the User Agency to execute the work. Hence the work will be executed by C.M.C Ltd.


08/09/14
Divisional Forest Officer
Keonjhar Forest Division

Fencing for Compensatory Plantation raised outside the Forest Areas using Angle Iron & Chain Link wire mesh (250 Rmt/Ha.)						
Sr No.	Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs. per Ha.)
1 st Year (PPD)						
1	Earth work (Excavation of hole) in Hard soil at a distance 3 mt. $0.40m \times 0.40m = 0.164 \times 84 = 13.76$ cum @ Rs.140/cum = Rs.1926.4		2.42	752.62	0	752.6
2	Cement concrete (1:1.5) using 40 mm BHC metal $84 \times 0.40m \times 0.10m = 3.36 \times 3755.94/cum$		0	0	5,047.4	5,047.4
3	Angle iron pole of size 50mm X 50 mm X 6mm of height 2.40 mt. $84 \times 2.40 = 201.60sqm$. @ 4.50/kg/sqm. = 907.20 kg @ 69.50 per kg				69,060.0	69,060.0
4	Cement Concrete (1:2:4) for fixing the iron angle pole using 17mm BRS Chips. $84 \times 0.40m \times 0.40m \times 1.30m = 4.032$ cum @ 5486.77/cum				22,123.0	22,123.0
5	Cost of Chain link mesh using 4mm Dia G wire having gap size 50mm X 50mm 250 Rmt X 2.10mt = 525sqmt @ 333/Sqmt = Rs.1,73,775.0				1,73,775.0	1,73,775.0
6	Double coat painting of iron angle pole over a coat of primer using good quality enamel paint $84 \times 2.10 \times 0.20 = 35.28sqmt$ @ Rs 108.87/sqmt				3,838.0	3,838.0
7	Painting of GI chain link mesh. $250 \times 2.10 \times 2 = 1050/10 = 105$ Sqmt @ 108.87/sqmt.				11,424.0	11,424.0
8	Transportation of Chain link mesh, iron angle, Straightening & being of chain link mesh etc @ 1% of the total cost.				5,600.0	5,600.0
	Total		2.42	752.62	2,84,857.4	2,85,610.0
Rate per running meter Rs 2,85,610/250 = Rs.1142/Run						
1st Year Maintenance						
1	No Maintenance is required	Sept / Oct	0	0	0	0
2nd Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
3rd Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
4th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
5th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
6th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
7th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
8th Year Maintenance						
1	Maintenance of wire mesh fence @ 1% per running mt. cost of installation in 1 st yr. $1142 \times 1\% = 1142$ say Rs.11	Sept / Oct	0	0	11000	11000
9th Year Maintenance						

1	Maintenance of wire mess fence @ 2% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs. 11	Sept / Oct	0	0	11000	11000
10th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1 st yr. 1142 x 1% = 1142 say Rs. 11	Sept / Oct	0	0	11000	11000

ABSTRACT					
SL.No	Year	No. person days	Labour cost @ Rs.311/- per days	Material Cost	Total cost (Rs.)
1	0 th year	2.42	752.6	284857.4	285610.0
2	1 st year	0.0	0.0	0.0	0.0
3	2 nd year	0.0	0.0	11000.0	11000.0
4	3 rd year	0.0	0.0	11000.0	11000.0
5	4 th year	0.0	0.0	11000.0	11000.0
6	5 th year	0.0	0.0	11000.0	11000.0
7	6 th year	0.0	0.0	11000.0	11000.0
8	7 th year	0.0	0.0	11000.0	11000.0
9	8 th year	0.0	0.0	11000.0	11000.0
10	9 th year	0.0	0.0	11000.0	11000.0
11	10 th year	0.0	0.0	11000.0	11000.0
	Total	2.42	752.62	383857.4	3,84,610.0

COST NORM FOR ANR PLANTATION @ 500 PLANTS PER HECTARE
WAGE RATE Rs. 311.00/- PER MANDAY

ANR Cost Norm For Compensatory Afforestation @500 Plants/ Ha. with 10 year Maintenance						
Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (₹)	Material Cost(₹)	Total Cost (₹)
1	2	3	4	5	6	7
0th Year (Advance Work) Pre-Planting Operation						
1.	Survey, demarcation and Pillar posting	Nov/Dec	2	622	0	622
2.	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	311	100	411
3.	Site preparation	Nov/Dec	2	622	0	622
4.	Silvicultural operations including clearance of weed, cutting of climber, High stump cutting, singling of shoots & removal of cut out after drying from the field to blank space	Jan/Feb	15	4665	0	4665
5.	Alignment and stacking for digging of pits	Feb/Mar	1	311	0	311
6.	Digging of pits (45 cm x 45 cm x 45 cm) in hard and gravelly soil	Feb/Mar	20	6220	0	6220
	Total		41	12751	100	12851
1st Year/ Planting Year						
1.	Refilling of pits by altering the dug-out soil of the pits, application of Organic compounds/ CDH/ FYM & mixing the same properly.	Jun/Jul	4	1244	2500	3744
2.	Transportation of 18 months old polythene bag seedlings in hired truck/ tractor from the permanent/ Mega nursery to planting site including loading & unloading. (Average lead of 10 Rkm) & Stacking the seedling @ Rs. 6/- per Seedling. (550 nos.)	Jul/Aug	0	0	3300	3300
3.	Watering polythene bag seedlings at stacking site of plantation	Jul/Aug	1	311	0	311
4.	Conveyance of polythene bag seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insecticide, fertilizers & planting after scooping the soil with other applied materials & pressing the soil perfectly around the planted seedlings.	Jul/Aug	11	3421	0	3421
5.	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50 gms/ plant as basal dose = 25 kg @ Rs. 30/- per kg = Rs. 750/- (b) Urea/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs. 375/- (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 2.5 kg @ Rs. 150/- per kg = Rs. 375/-	Jul/Aug	0	0	1500	1500
6.	Casualty Replacement @ 10% (50 nos.)	Jul/Aug	1.5	466.5	0.0	466.5
7.	1 st weeding & Manuring	Aug/Sept	5	1555	0	1555
8.	2 nd Weeding, Soil working (1mt. diameter around the plants) and Manuring.	Oct/Nov	8	2488	0	2488
9.	Fire line tracing & inspection path.	Feb/Mar	3	933	0	933
10.	Watch & Ward including watering as per requirement	Aug-Mar	8	2488	0	2488
	TOTAL		41.5	12906.5	7300.0	20206.5
2nd Year Maintenance						
1.	Transportation of 50 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedlings	Jul	0.0	0.0	300.0	300.0
2.	Casualty replacement	Jul	1.5	466.5	0.0	466.5
3.	Cost of Fertilizer & Insecticide A) Cost of Insecticide/ Bio-pesticide (Themel/ foret) @ 5 gms/plant = 25 Kg @ Rs. 150/- per kg = Rs. 37.50 B) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khata/ any other fertilizer @ Rs. 1400/-	Jul/Aug	0	0	1437.5	1437.5
4.	Complete weeding, Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	8	2488	0	2488
5.	Fire line tracing (2 m. wide fire line over 400 m long) & inspection path	Feb/Mar	3	933	0	933

Sl. No.	Items of work	Preferable Period of Execution	No. of Mandays	Labour Cost (in Rs.)	Material Cost (in Rs.)	Total Cost (in Rs.)
6.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732	0	3732
TOTAL			24.5	7619.5	1737.5	9357
3rd Year Maintenance						
3.	Cost of Fertilizer- Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo. Khata/ any other fertilizer- Rs. 1400/-	July/Aug	0	0	1400.0	1400.0
4.	Complete weeding, Manuring & Soil working (1mt. diameter around the plants)	Sept/Oct	8	2488	0	2488
5.	Fire line tracing (2 m wide fire line) & inspection path	Feb/Mar	3	933	0	933
6.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732	0	3732
Total			23.0	7153.0	1400.0	8553.0
4th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line) & inspection path	Feb/Mar	3	933	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732	0	3732
Total			15	4665	0	4665
5th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3.0	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0	4665
6th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
7th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length) & inspection path	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
8th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length) & cultural operation	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
9th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr-Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0
10th Year Maintenance						
1.	Fire line tracing (2 m. wide fire line over 400 m length)	Feb/Mar	3	933.00	0	933
2.	Watch & Ward including watering as per requirement	Apr/Mar	12	3732.00	0	3732
Total			15.0	4665.0	0.0	4665.0

Year wise Abstract of Cost Norm (Showing seedling cost separately)

Sl. No.	Year	No. of Mandays	Labour Cost @ ₹ 311/- per day	Material Cost (₹)	MELD and Other Contingency 5% of (4+5)	Cost of Seedlings @ ₹ 50.31 per Seedlings	Total Cost (₹)
1.	0 th Year	41	12751.0	100.0	549.00	0.00	13400.00
2.	1 st Year	41.5	12906.5	7300.0	993.50	27671.00	48871.00
3.	2 nd Year	24.5	7619.5	1737.5	443.00	2516.00	12316.00
4.	3 rd Year	23.0	7153.0	1400.0	347.00	0.00	8900.00
5.	4 th Year	15	4665.0	0.0	135.00	0.00	4800.00
6.	5 th Year	15	4665.0	0.0	135.00	0.00	4800.00
7.	6 th Year	15	4665.0	0.0	135.00	0.00	4800.00
8.	7 th Year	15	4665.0	0.0	135.00	0.00	4800.00
9.	8 th Year	15	4665.0	0.0	135.00	0.00	4800.00
10.	9 th Year	15	4665.0	0.0	135.00	0.00	4800.00
11.	10 th Year	15	4665.0	0.0	135.00	0.00	4800.00
Total		235.0	73085.0	10537.5	3277.5	30187	117087.00

TOTAL FINANCIAL OUTLAY

Sl. No.	Work to be done	Estimated Expenditure (Rs)
1.	Chain link weir mesh fencing of safety zone over 1926.00 meter @ Rs.485432/-per 250 mtr= $\{(485432/250) \times 1926.00 \text{ mtr}\}$.	Rs 37,39,768.13
2.	ANR plantation @500 plants/Ha over 1.444 ha @ Rs.157554/- per ha.	Rs 2,27,507.98
	Total	Rs39,67,276.11 Or Say Rs 39,67,300.00

(Rupees thirty nine lakhs sixty seven thousand three hundred) only

Technically Approved

~~Regional Chief Conservator of Forests
Rourkela Circle~~

~~Divisional Forest Officer
Keonjhar Forest Division~~



No. F45H6
Scale 1:50,000

1:50,000	1:50,000	1:50,000
1:50,000	1:50,000	1:50,000
1:50,000	1:50,000	1:50,000

LOCUTION PLAN

GENERAL NOTES

1. This map is a reproduction of the original map and is not to be used for any purpose other than that for which it was prepared.

2. The map is based on the latest available data and is subject to change without notice.

3. The map is not to be used for any purpose other than that for which it was prepared.

LEGEND

1. Road

2. Stream

3. Contour line

4. Spot height

5. Boundary

No. F45N5
Scale 1:50,000

1:50,000	1:50,000	1:50,000
1:50,000	1:50,000	1:50,000
1:50,000	1:50,000	1:50,000

GENERAL NOTES

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LEGEND

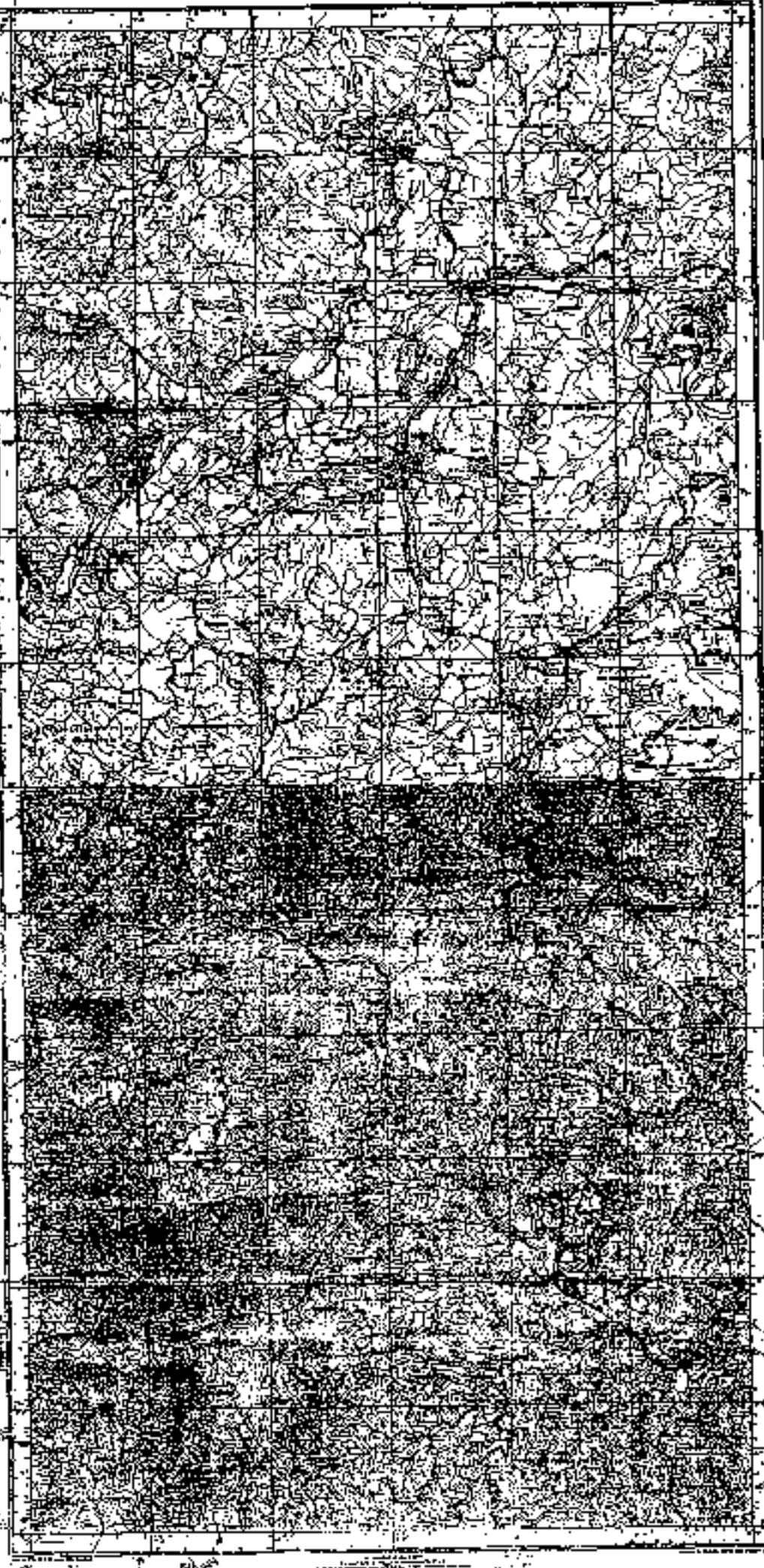
1. Road

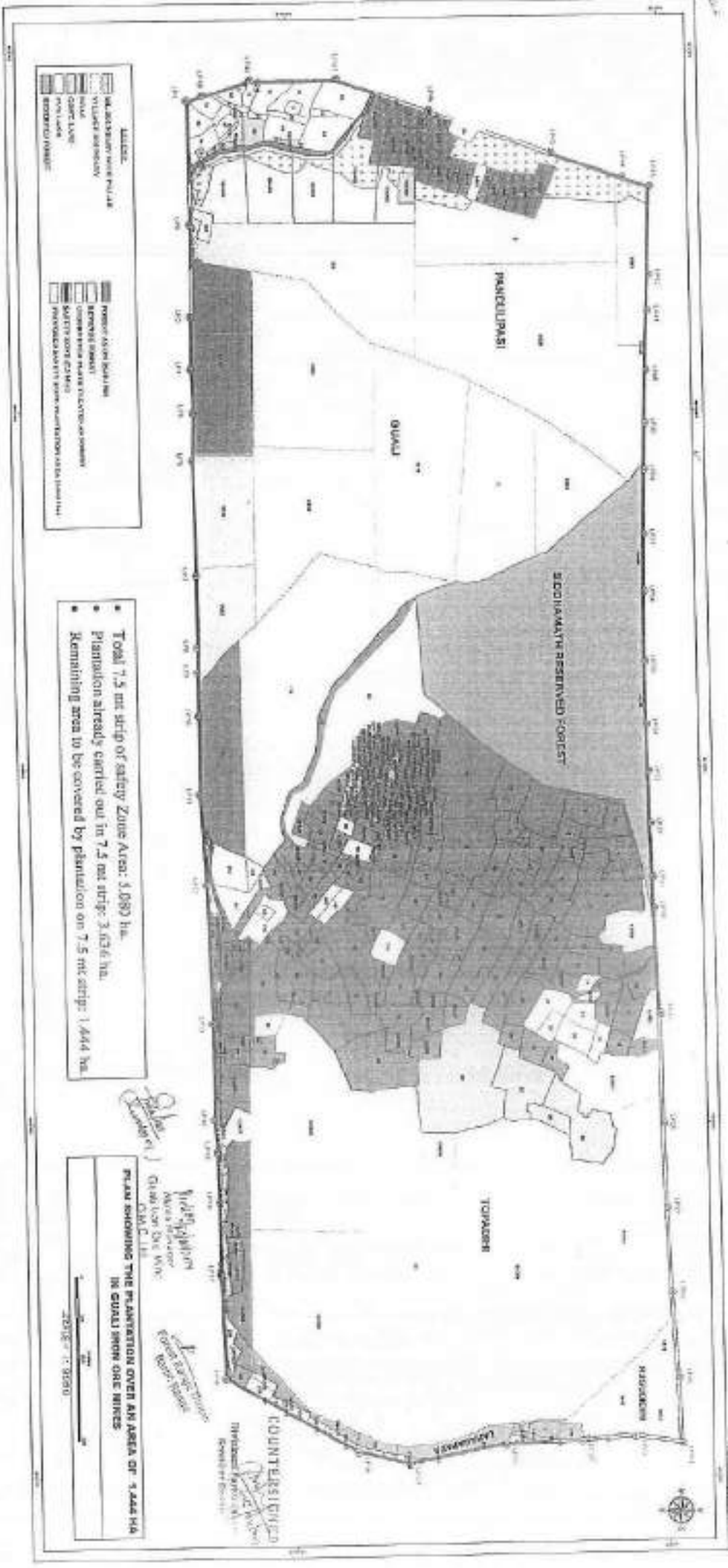
2. Stream

3. Contour line

4. Spot height

5. Boundary





LEGEND

[Stippled Box]	PLANTATION OVER AN AREA OF 1444 HA
[Dotted Box]	PLANTATION OVER AN AREA OF 3636 HA
[Cross-hatched Box]	PLANTATION OVER AN AREA OF 5089 HA
[Horizontal Lines Box]	PLANTATION OVER AN AREA OF 7500 HA
[Vertical Lines Box]	PLANTATION OVER AN AREA OF 10000 HA
[Diagonal Lines Box]	PLANTATION OVER AN AREA OF 15000 HA
[Blank Box]	PLANTATION OVER AN AREA OF 20000 HA

- Total 7.5 mt strip of safety Zone Area: 5,089 ha.
- Plantation already carried out in 7.5 mt strip: 3,636 ha.
- Remaining area to be covered by plantation on 7.5 mt strip: 1,444 ha.

PLAN SHOWING THE PLANTATION OVER AN AREA OF 1444 HA IN GUALI IRON ORE MINES

Scale: 1:10000

Handwritten notes:
 The plantation area is shown in stippled pattern.
 The area of 1444 ha is the area to be covered by plantation on 7.5 mt strip.
 The area of 3636 ha is the area already covered by plantation on 7.5 mt strip.
 The area of 5089 ha is the total area of 7.5 mt strip.



**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. **1587** /3F-810/2024 Date: **16.04.2024**

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect of Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1995-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.7 (f)	Rs.36,39,300/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and;	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management,	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.


Encl.:- As above.

Memo No.

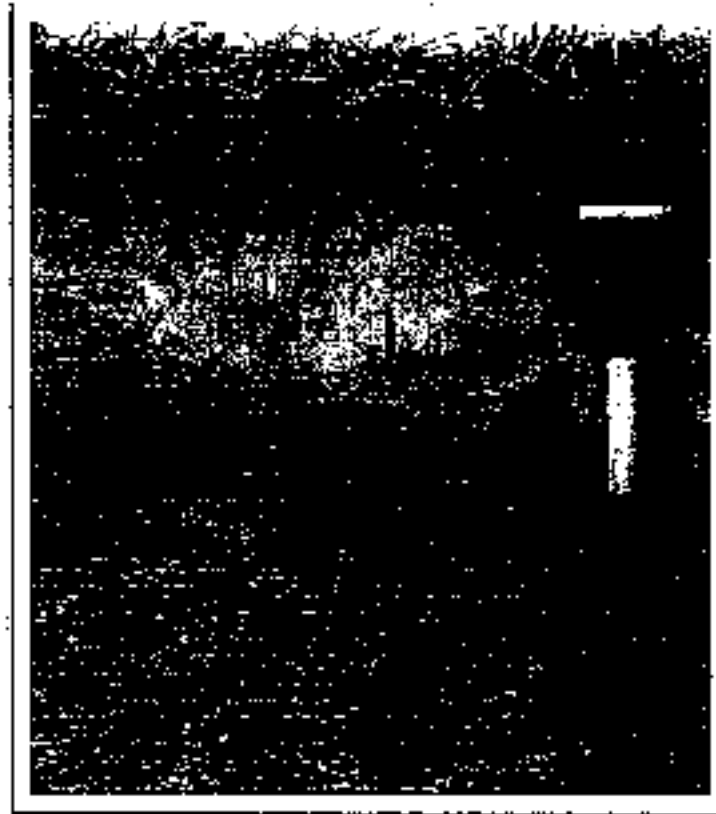
Date:


Regional Chief Conservator of Forests,
Rourkela Circle.

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.

**SCHEME FOR
MANAGEMENT OF TOP SOIL
AT
GUALI IRON ORE MINES
OF
M/S ODISHA MINING CORPORATION LTD.
(A Govt. of Odisha Undertaking)
OMC HOUSE, BHUBANESWAR-1**



Compliance to Condition No.15 of "in principle approval" order vide F.No.8-95/1996-FC Dated
21.12.2023 of MoEF&CC, Govt. of India.

{ON ONE TIME COST NORM BASIS}

SCHEME FOR MANAGEMENT OF TOP SOIL AT GUALI IRON ORE MINE OF M/S ODISHA MINING CORPORATION LTD.

1. INTRODUCTION

Stage-I approval for diversion of 194.683ha of forest land for non-forest purpose for Guali Iron Ore mine has been accorded vide F.No.8-96/1996-FC Dated 21.12.2023 of MoEF&CC, subject to fulfillment of certain conditions. The condition No. 15 of the Stage-I approval reads as under.

"15.No damage shall be caused to the top-soil and the user agency will follow the topsoil management plan."

In order to comply the above conditions a scheme has been prepared in line with the instruction given by PCCF (FD & NO FC Act) on dt 08.11.2021 and dt 01.12.2021. The purpose of this scheme is to prescribe methods to manage fertile top soil/sub soil effectively so as to preserve & conserve precious natural resources which has been formed after years of natural process.

2. TOP SOIL MANAGEMENT.

In order to manage the top soil the following suggestions are put forth and to be practiced.

- ✓ Top soil likely to be generated is to be stored at earmarked place.
- ✓ Dump may have a slope less than 23⁰
- ✓ Cover the top soil with a tarp / coir mat.
- ✓ Broadcast grass seed over the top soil.
- ✓ During reclamation process the top soil may be utilized to cover the top after filling and covered the area under tree planting.
- ✓ Bring the soil under tree planting as soon as possible and covered with mulch to prevent the soil from washing or blowing away.
- ✓ Generation of Top Soil & its utilization will be recorded in a measurement book and copy of the same to be provided to reviewing authorities annually.

3.0 PRESENT SCENARIO

As per approved mining plan, no top soil will be generated during first 5 years of mining as the mining shall be continued in the already working out pits. It is envisaged that around 0.26 million cubic meter of top soil will be generated thereafter when virgin forest area is permitted for mining. Top soil produced will be utilized in reclamation of mine and plantation. The stock register for production and utilization of top soil will be maintained by the User Agency. This quantity will be generated in course of mining activities mostly during expansion of mining area.

4.0 PLANS FOR TOP SOIL MANAGEMENT:

The topsoil management plan provides description of the soil stripping and stockpiling procedures to minimize top soil degradation and maximum availability of suitable soil for future rehabilitation within mining lease of Guali Iron Ore Mines of M/s OMC Ltd. Topsoil is to be stripped in areas proposed to be distributed. A comprehensive top soil management plan has been prepared keeping in view of the conservation, regeneration and afforestation in and around the site where top soil will be stored. In non-mineralized area also there is existence of very thin layers of top soil say 5.0 cm to 10.0 cm varying from site to site, which is very difficult to slice down and will be stored separately for use during future reclamation.

The top soil inside the Mining Lease area is scanty and present in extremely thin layer. The topsoil will be utilized for concurrent plantation works in the mine as per this plan. It is proposed to use the top soil generated during the mining operation within a period of six months due to its low shelf-life. Some of the top soil will be stored temporarily until it can be used for plantation works & dump plantation. The Topo Sheet showing location of the ML area is enclosed as **Plate No.1**.

Out of the total diverted forest area of 194.683 ha, around 21.379 ha will be maintained as safety zone within the mining lease area. Hence, top soil will be collected from balance 173.304 ha (194.683-21.379) of virgin diverted forest land.

5.0 INSPECTION, MONITORING AND EVALUATION

Intensive inspection and technical guidance from concerned technical wing is required for successful implementation of above top soil management. Sufficient fuel/conveyance charges for technical experts shall be provided by the user agency for proper execution of these programmes. Budgetary provision of 15% of the total project cost has been earmarked on this score.

6.0. BUDGETARY PROVISION.

Top soil removal/dumping will be as per mining plan and the soil will be utilized for taking up plantations in backfill and other areas. The total cost of the project is given as below.

Sl. No.	Description of the work	Funds Required
1	<p>Virgin forest area from where top soil can be collected: 173.304 ha Stripping cost: 0.5ha/hr @ Rs 1900.00. Therefore, 173.304 ha stripping will take 346.608 hrs. and @ Rs 1900/- per hr., the total cost comes to be: 346.608 hrs x Rs. 1900/- = Rs 6,58,555.20</p> <p>Loading & transporting cost from the site to top soil stockpiles comes to be : 0.26 Million Cub.mt. (Approved in MP) x 1.8 (tonnage factor) = 468000 ton X Rs. 38/- (Loading & Transportation @ Rs. 38/ton) = Rs. 1,77,84,000/-</p> <p>Cost of leveling with 4800 manpower @ Rs 450/-: Rs. 450 x</p>	Rs. 2,06,02,555.20

Annexure-I

Estimate for sowing of grass seeds per ha.

Cost of broadcasting of grass seeds per ha. Labour rate Rs.450.00/- per day				
Sl. No.	Purpose	No. of Labour/quantity of materials	Rate (in Rs.)	Amount in Rs.
1	Spreading of good top soil	03 Nos	450.00/- Labour	1350.00
2	Adding FYM and good earth	2 TL FYM	5625/TL FYM	11250.00
		2 TL Good earth	6750/TL Good earth	13500.00
3	Cost of grass seed 25 Kg/per ha		250/Kg	6250.00
4	Broad casting	10 nos	450.00/- Labour	4500.00
Total				36,850.00

Annexure-II

Development of retaining wall near proposed Top soil dump

(Length of the wall = 100mtr.)

1) E/W excavation by mechanical means.

Qty. 100 m x 2m x 0.3 = 60 Cum

Taking Qty. 80% = 48 Cum @ Rs. 66.00- Rs. 3168.00

2) Blasting.

Taking 20% of Qty item (1) 12Cum @ Rs. 445.28 = Rs. 5343.36

3) Providing crate boulder.

Bottom layer: 100 m x 1.5m x 1.00 = 150 Cum

Second layer: 100 m x 1.00m x 1.00m = 100 Cum

250 Cum

@ Rs. 1598.89/Cum = Rs. 4,74,722.50

Rs. 4, 83,233.86

Say Rs.4,83,300.00

Annexure-III

Excavation of Earthen drain (Garland drain) near proposed Top soil dump at

Gual iron ore Mines.

1) E/W excavation by mechanical means.

100 m x 2.00 x 1.5 = 300.00 Cum

Taking 80% of above = 240.00 Cum @ Rs. 66/Cum = Rs. 15,840.00

2) Blasting. 20% of Item (1) = 60 Cum @ Rs. 445.28/Cum = Rs. 26,716.80

Rs. 42,556.80

Say Rs.42,600.00

	4800=Rs. 21,60,000/-	
2	Cost for sowing of grass seeds over 1.0 ha (@Rs. 36,850.00/ha (Annexure-I).	Rs. 36,850.00
3	Maintenance of grass seed @ (3 mandays weekly for period of six month). Total 72 mandays for six months : 72 x Rs. 450.00 = 32,400/-	Rs. 32,400.00
4	Retaining wall over a length of 100 meters (Annexure-II).	Rs. 4,33,300.00
5	Garland drain over a length of 100 meters (Annexure-III).	Rs. 42,600.00
	Sub-total	Rs.2,11,97,705.20
6	Inspection, monitoring & evaluation @15% of the total project cost	Rs. 31,79,655.78
	Total	Rs.2,43,77,360.98
7	Price escalation @20%	Rs. 48,75,472.20
	Grand Total	Rs.2,92,52,833.18 or say Rs. 2,92,52,900.00

(Rupees two crore ninety twolakh fifty two thousandninet hundred) only

The total cost of the implementation of Top soil management scheme will be Rs.2,92,52,900.00(Rupees two crore ninety two lakh fifty two thousand nine hundred) ontyas detailed above which will be borne by User Agency at their project cost. The cost of the scheme may subject to increase in amount considering the increase in materials and labour charges which will also be borne by the User Agency.

7.0. EXECUTION.

This is a part of the mining operation and to be executed by the User agency.


 Divisional Forest Officer
 Keonjhar Forest Division

Technically Approved


 Regional Chief Conservator of Forests
 Rourkela Circle



No. F454B
Scale 1:50,000

1	2	3
4	5	6
7	8	9

LOCATION PLAN

NOTES

1. This map is a reproduction of the original map and is not to be used for any purpose other than that for which it was prepared.

2. The map is based on the latest available data and is subject to change without notice.

3. The map is not to be used for any purpose other than that for which it was prepared.

LEGEND

1. Contour interval 100 feet

2. Spot heights in feet

3. Elevation in feet

SCALE

1:50,000



No. F45N5
Scale 1:50,000

1	2	3
4	5	6
7	8	9

LOCATION PLAN

NOTES

1. This map is a reproduction of the original map and is not to be used for any purpose other than that for which it was prepared.

2. The map is based on the latest available data and is subject to change without notice.

3. The map is not to be used for any purpose other than that for which it was prepared.

LEGEND

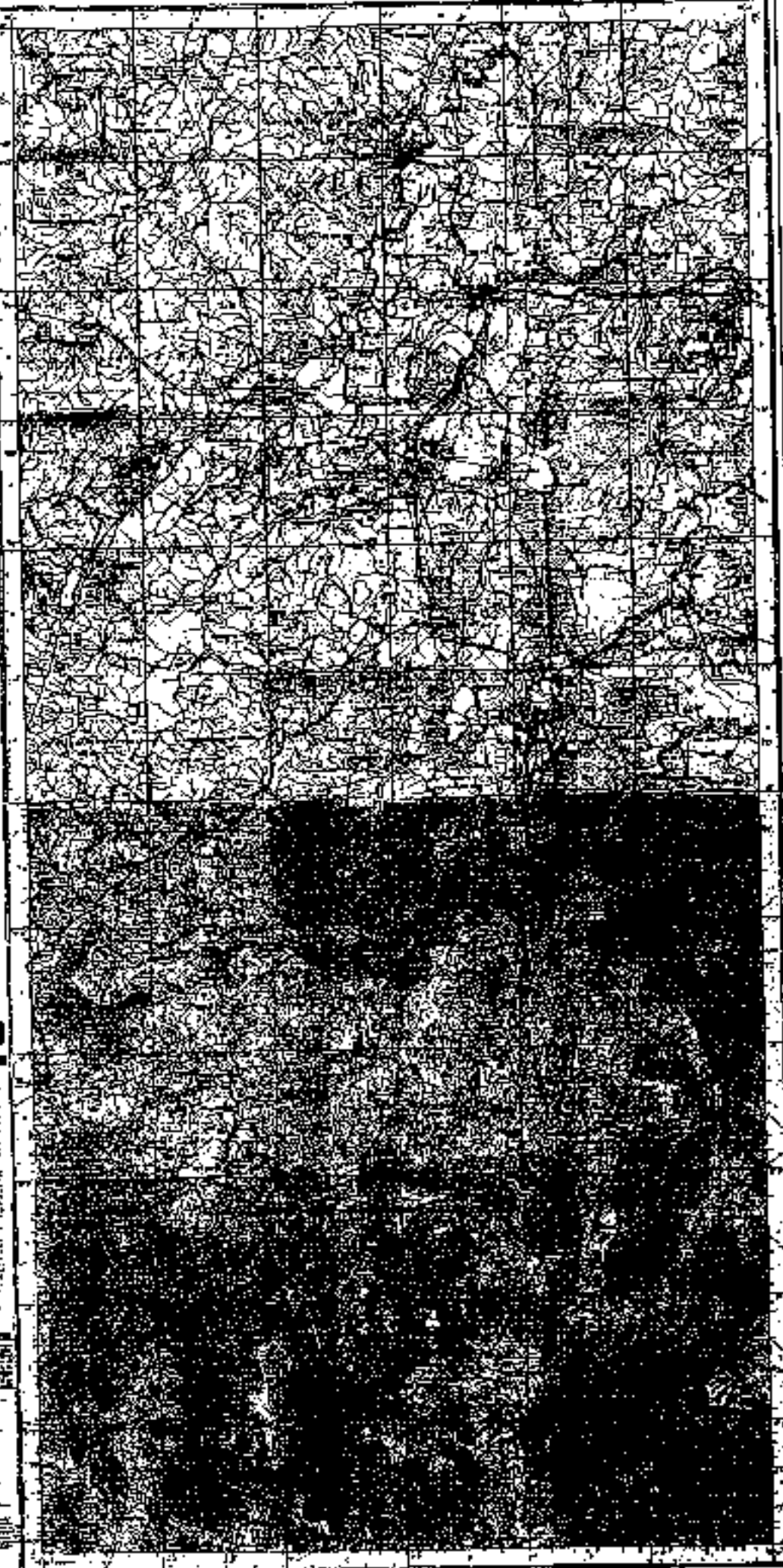
1. Contour interval 100 feet

2. Spot heights in feet

3. Elevation in feet

SCALE

1:50,000





**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No. *1587* /3F-810/2024 Date: *16.06.2024*

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 2(i) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Guali Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub.

Submission of Schemes in respect of Guali Iron Ore mining Lease of M/s OMC Ltd.

Ref.-

1 F.No. 8-96/1996-FC (PI) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.2 (f)	Rs.36,39,300/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and chocking of streams.	No.13 (a)	Rs.55,60,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	No.13 (b)	Rs. 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,99,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and;	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.

Encl.:- As above.


Regional Chief Conservator of Forests,
Rourkela Circle

Memo No.

Date:

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), D/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.

Regional Chief Conservator of Forests,
Rourkela Circle.

SCHEME FOR

**DE-SILTING OF VILLAGE TANKS AND OTHER WATER
BODIES LOCATED WITHIN FIVE KM FROM THE MINE
LEASE BOUNDARY SO AS TO MITIGATE THE IMPACT OF
SILTATION OF SUCH TANKS/WATER BODIES**

AT

**GUALI IRON ORE MINES
UNDER KEONJHAR FOREST DIVISION**

OF

M/S ODISHA MINING CORPORATION LTD.

(A GOVT.OF ODISHA UNDERTAKING)

A Gold Category State PSU

OMC HOUSE, BHUBANESWAR-751001

**(As per condition No. 16 of the stage-I Forest Clearance granted by
MoEF & CC, Govt. of India vide F.No.8-96/1996-FC (PT.-I) dt 21.12.23)**

(ON ONE TIME COST NORMA BASIS)

**SCHEME FOR DE-SILTING OF VILLAGE TANKS AND OTHER WATER BODIES
LOCATED WITHIN 5.0 KM FROM GUALI MINE LEASE BOUNDARY SO AS TO MITIGATE THE
IMPACT OF SILTATION OF SUCH TANKS/WATER BODIES**

1. INTRODUCTION

Guali Iron Ore Mining Lease was being operated by M/s R.P.Sao with forest clearance over 137.417 ha (Approved by MoEF & CC over 42.417 ha vide No.8-96-FC dt 14.01.2005 + 95.000 ha vide No.8-96-FC dt 06.09 2011). The lease was processed through auction after its expiry on dt 31.03.2020 and finally, the State Government vide order No.324/SM dt 11.01.2021 has transferred all the valid rights, approvals, clearances, licenses and the likes vested with the previous lessee in favour of OMC Ltd. Subsequently, the State Govt. vide order No.358/SM dt 12.01.2021 granted the mining lease for iron ore in favour of OMC in respect of Guali Iron Ore ML over an area of 358.258 ha in village Guali, Panduliposi etc. under Barbil Tahasil of Keonjhar district for a period of 10 years. Accordingly, the ML deed has been executed on dt 12.01.2021 and operation commenced since dt 12.01.2021 confined to approved forest area only. OMC, thereafter, submitted application for diversion of balance forest land over 194 683 ha and the MoEF & CC, Govt. of India vide letter No F.No-8-15/2000-FC (vol.) dt 21.12.2023 accorded in-principle approval subject to fulfillment of 42 conditions. The condition No.16 is read as under:

"16. The User Agency shall prepare a list of existing village tanks and other water bodies with GPS coordinates located within five km from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage-II approval."

In compliance, a comprehensive scheme is prepared for implementation of the same by OMC within 5.0 km from the mining lease boundary of Guali Mines. The mining and ancillary activities will convert this area prone to intensive soil erosion by creating reels and gullies on mined out pit benches, on the surface of O.B. dump, on the shoulder of haul roads, on the surface of the surface-soil deposit and on the bank of the natural streams. Such gullies eventually may widen and occupy large tract of the slope and cause heavy soil loss and flooding the valley bottom with heavy siltation. This results the virgin forest area prone to soil erosion. During rains, the exposed soil will not allow percolation of rainwater to charge the groundwater table. Consequently, the seasonal streams will be dried up. Therefore, it is essential to treat the area with strategic soil and moisture conservation measures to mitigate the adverse impact of mining.

2. FACTORS RESPONSIBLE FOR SILTATION

Siltation is an inherent problem with ponds, lakes and almost all types of water reservoirs world over. Siltation occurs due to deposition or settling of soil eroded from the shore line, decaying fallen leaves, grass and other vegetative materials and decomposed organic materials settled on pond bottoms. Soil erosion may be attributed as the primary factor responsible for pond siltation in this area. Higher gradient and excess rainfall are the most common reasons of soil erosion. Erosion of soil occurs from the waste dumps, excavated areas and naturally denuded ground surface. However, looking into the current problem of siltation of the village ponds, the major factors are the surface runoff containing silt particles entering into the pond. As the age of the ponds increases, new layers of silt accumulate on the older ones and the silt layers become thicker. Finally the depth of the pond decreases and it loses its water storage capacity. At this time it needs to be desilted to recover. The best practice against siltation is to de-silting pond bottom at regular intervals as well as taking adequate preventive measures.

3. LOCATION DETAILS

There are six other mining leases within 5 km from outer periphery of Guali Iron Ore mine. The details are given as under:

Sl. No	Name of the lessee	Location	Area in ha	Mineral
1	M/s K.C.Pradhan	Paradipuri	12.432	Iron ore
2	M/s OMC Intl	Parulpada	170.170	Manganese ore
3	M/s K.J.S Ahluwalia	Panduliposi	42.957	Iron ore
4	M/s K.J.S Ahluwalia	Huagron	772.094	Iron ore
5	M/s S.N.Dasmohapatra	Katasahi	40.061	Manganese
6	M/s R B L Ltd	Katasahi & Rudukela	96.462	Manganese

There are only 19 tanks/water bodies available within 5 Km from boundary of the ML need de-silting as detailed below:

COORDINATES OF VILLAGE TANKS/WATER BODIES						
WATER BODY NO.	NAME OF THE VILLAGE	CORNER POINT	LATITUDE	LONGITUDE	LENGTH IN MTR.	WIDTH IN MTR
1	RUGUDIHI	1	21° 59' 43.364"	85° 18' 58.883"	84	56
		2	21° 59' 42.743"	85° 19' 1.733"		
		3	21° 59' 41.069"	85° 19' 1.411"		
		4	21° 59' 41.447"	85° 18' 58.804"		
2	RUGUDIHI	1	21° 59' 47.304"	85° 19' 5.000"	72	67
		2	21° 59' 46.256"	85° 19' 6.756"		
		3	21° 59' 44.513"	85° 19' 5.887"		
		4	21° 59' 45.468"	85° 19' 3.457"		

CO-ORDINATES OF VILLAGE TANKS/WATER BODIES						
WATER BODY NO.	NAME OF THE VILLAGE	CORNER POINT	LATITUDE	LONGITUDE	LENGTH IN MTR.	WIDTH IN MTR.
3	LAIDAPADA	1	21° 59' 16.931"	85° 18' 59.304"	87	68
		2	21° 59' 16.436'	85° 19' 1.135"		
		3	21° 59' 15.210'	85° 19' 1.038"		
		4	21° 59' 14.441"	85° 18' 59.086"		
		5	21° 59' 14.860"	85° 18' 58.476"		
4	BHUYANRODKALA	1	21° 58' 51.016"	85° 18' 42.197"	75	64
		2	21° 58' 50.196"	85° 18' 44.649"		
		3	21° 58' 48.175"	85° 18' 43.999"		
5	BHUYANRODKALA	1	21° 59' 4.884"	85° 18' 48.092"	77	72
		2	21° 59' 4.000"	85° 18' 50.370"		
		3	21° 59' 1.743"	85° 18' 49.666"		
		4	21° 59' 2.497"	85° 18' 47.242"		
6	KOLHARODKALA	1	21° 58' 34.946"	85° 19' 2.560"	83	75
		2	21° 58' 34.905"	85° 19' 4.207"		
		3	21° 58' 32.468"	85° 19' 5.814"		
		4	21° 58' 32.075"	85° 19' 2.658"		
7	KOLHARODKALA	1	21° 58' 39.669"	85° 18' 46.820"	63	60
		2	21° 58' 38.741"	85° 18' 48.515"		
		3	21° 58' 37.142"	85° 18' 47.554"		
		4	21° 58' 37.937"	85° 18' 45.697"		
8	KOLHARODKALA	1	21° 58' 25.551"	85° 18' 29.986"	44	43
		2	21° 58' 25.410"	85° 18' 31.356"		
		3	21° 58' 23.996"	85° 18' 31.301"		
		4	21° 58' 24.212"	85° 18' 29.597"		
9	TOPADIHI	1	21° 59' 13.964"	85° 18' 23.259"	72	62
		2	21° 59' 12.556"	85° 18' 25.968"		
		3	21° 59' 10.526"	85° 18' 24.321"		
		4	21° 59' 11.683"	85° 18' 23.184"		
10	TOPADIHI	1	21° 58' 45.408"	85° 18' 31.952"	65	35
		2	21° 58' 44.421"	85° 18' 33.705"		
		3	21° 58' 43.689"	85° 18' 33.086"		
		4	21° 58' 44.245"	85° 18' 30.930"		
11	GUALI	1	21° 59' 7.297"	85° 17' 22.321"	73	66
		2	21° 59' 5.747'	85° 17' 24.252"		
		3	21° 59' 5.021'	85° 17' 23.362"		
		4	21° 59' 6.126"	85° 17' 21.094"		
12	PANDULIPASI	1	21° 59' 37.261"	85° 16' 59.259"	51	59
		2	21° 59' 36.884"	85° 17' 1.034"		
		3	21° 59' 35.036"	85° 17' 0.429"		
		4	21° 59' 36.015"	85° 16' 58.554"		
13	KATESAHI	1	21° 58' 1.122"	85° 20' 10.390"	64	48
		2	21° 58' 1.314"	85° 20' 12.371"		
		3	21° 57' 59.206"	85° 20' 12.349"		
		4	21° 57' 59.276'	85° 20' 10.734"		

CO-ORDINATES OF VILLAGE TANKS/WATER BODIES						
WATER BODY NO.	NAME OF THE VILLAGE	CORNER POINT	LATITUDE	LONGITUDE	LENGTH IN MTR.	WIDTH IN MTR.
14	SIDDHAMATI-A RF	1	22° 2' 34.380"	85° 18' 37.644"	62	38
		2	22° 2' 34.155"	85° 18' 39.197"		
		3	22° 2' 32.187"	85° 18' 38.593"		
		4	22° 2' 32.658"	85° 18' 37.554"		
15	SIDDHAMATI RF	1	22° 1' 57.101"	85° 18' 41.871"	52	35
		2	22° 1' 57.120"	85° 18' 43.717"		
		3	22° 1' 55.957"	85° 18' 43.592"		
		4	22° 1' 55.982"	85° 18' 41.866"		
16	KENDUDHI	1	21° 58' 35.399"	85° 15' 49.667"	45	36
		2	21° 58' 34.731"	85° 15' 51.097"		
		3	21° 58' 33.503"	85° 15' 50.360"		
		4	21° 58' 34.468"	85° 15' 49.179"		
17	KOLHAPANDOLI	1	22° 1' 56.724"	85° 16' 23.217"	43	43
		2	22° 1' 56.246"	85° 16' 24.515"		
		3	22° 1' 54.902"	85° 16' 24.296"		
		4	22° 1' 55.293"	85° 16' 22.888"		
18	RENGALBEDA	1	21° 57' 43.472"	85° 15' 48.806"	55	46
		2	21° 57' 42.247"	85° 15' 49.945"		
		3	21° 57' 41.331"	85° 15' 48.769"		
		4	21° 57' 42.159"	85° 15' 47.483"		
19	KALMANGA	1	21° 57' 9.151"	85° 18' 26.548"	61	14
		2	21° 57' 8.768"	85° 18' 28.290"		
		3	21° 57' 8.222"	85° 18' 28.670"		
		4	21° 57' 8.755"	85° 18' 26.623"		

The plan showing location of village tanks/water bodies is enclosed as Plate No. (I).

4. TOPOGRAPHY:

The ponds are mostly on plain terrain. They are situated close to habitation.

5. SOIL TYPE.

The soil is hard and lateritic. The pond silt is basically of clay, silt and sand. The silts are soft and can easily be removed. The depth of siltation as observed varies from 30 cm to 200 cm. On an average 115 cm or say 1.0 meter silt is proposed to be removed. The topo map showing the area is enclosed as Plate No. 1.

6. METHODOLOGY FOR DE-SILTATION

Keeping in view the site condition it is proposed to take up de-siltation on a cycle of five year basis (i.e. each pond will be de-silted twice within the plan period over 10 years) particularly during summer months when the tank/water bodies are dried up with exposed silts. Removal of silts is to be done either manually or mechanically basing on ground condition and quantity of silts accumulation. Silt accumulation occurs in the basal area of the tank which is roughly

estimated to be 30% less of the aerial area. The estimated quantum of silt that is required to be removed is given in the table.

During excavation, the excavated silt are to be put on the embankment of the pond with top height at least of 1.0 meter and base width 2.5 meter basing on availability of land on periphery. The soil on embankment to be compacted and two inlets and two outlet pipes are to be fixed in the embankment (6" diameter PVC pipe or Cement Pipe)

7. COST ESTIMATE:

As per schedule of rate for earth work "Earth work in excavation by mechanical means (hydraulic excavation means over areas exceeding 30 cm depth 1.5 m in width as well as 10 sqm). On plan including disposal of excavated earth lead up to 50 m and lift up to 1.5 m disposal earth to be levelled and neatly dressed etc. complete @ Rs. 66.00/cum. Basing on volume of earth work as indicated in the Table above, cost estimate has been done. In addition cost of inlet/outlet pipes, at each pond an additional cost of Rs 10000/- per tank to be added. Year wise cost factor is calculated as follows:

Sl. No	Village	Length in mtr.	Width in mtr.	Area in Sq. M	Volume in cum taking the height as 2 mtr and area as 70 % of the total area	Expenditure		
						Earth work @ Rs 66.00 per cum in Rs	Inlet & outlet pipes in Rs	Total expenditure
1	RUGUDIHI	84	55	4704	3293	217338	10000.00	227338
2	RUGUDIHI	72	67	4824	3377	222882	10000.00	232882
3	LADAPADA	87	68	5916	4141	273306	10000.00	283306
4	BHUYANRODKALA	75	64	4800	3360	223760	10000.00	233760
5	BHUYANRODKALA	77	72	5544	3881	256146	10000.00	266146
6	KOLHARODKALA	88	75	6600	4620	304920	10000.00	314920
7	KOLHARODKALA	63	60	3780	2646	174636	10000.00	184636
8	KOLHARODKALA	44	43	1892	1324	87384	10000.00	97384
9	TOPADIHI	72	62	4464	3125	206250	10000.00	216250
10	TOPADIHI	65	35	2275	1593	105138	10000.00	115138
11	GUALI	73	66	4818	3373	222618	10000.00	232618
12	PANDULIPASI	61	59	3599	2519	166254	10000.00	176254
13	KATESAHI	64	48	3072	2150	141500	10000.00	151500
14	SIDDHAMATHA RE	62	38	2356	1649	108834	10000.00	118834
15	SIDDHAMATHA RE	52	35	1820	1274	84084	10000.00	94084
16	KENDUDIHI	45	36	1620	1134	74844	10000.00	84844
17	KOLHAPANDIHI	43	42	1809	1294	85404	10000.00	95404
18	BENGALBEDA	55	40	2530	1771	116886	10000.00	126886
19	KALMANGA	61	14	854	598	39468	10000.00	49468
TOTAL						3110052	190000.00	3300052

For de-silting twice, the estimated cost will be Rs. 330052.00 X 2 = Rs 660104.00

Construction of one signage each in pond @ Rs 5000/- for twelve pond = Rs 60,000.00

Total cost = Rs 66, 60,104.00 (Rs 660104.00 + Rs 60,000.00) or say Rs 66, 60,200.00 (Rupees sixty six lakh sixty thousand two hundred) only

Technically Approved,

Regional Chief Conservator of Forests
Banskhari, B...

8. PLANNING EXECUTION.


As indicated above de-siltation will be carried out in a five year cycle. All the ponds will be de-silted twice in the plan period once in 2024-25 and then in 2030-31.

9. EXECUTING AGENCY

The user agency shall take up the project of De-siltation of Village tank/Water bodies out of project head.

10. INSPECTION AND MONITORING.

The manner of execution & periodical monitoring will be made by OMC authority. The Execution and achievements may be reviewed by the Divisional Forest Officer, Keonjhar Forest Division from time to time as possible. In case of some dispute if the earmarked tank could not be de-silted in assigned year it may be executed in the next year along with the next years programme.



Divisional Forest Officer
Keonjhar Division

CERTIFICATE

Certified that the village tanks/water bodies available within 5.0 km from the ML boundary of Gual Iron Ore Mines as per the GPS co-ordinates of the corner points of the tanks/water bodies included in the scheme for de-silting is duly verified by the undersigned

Place: Keonjhar

Date:


Divisional Forest Officer
Keonjhar Division

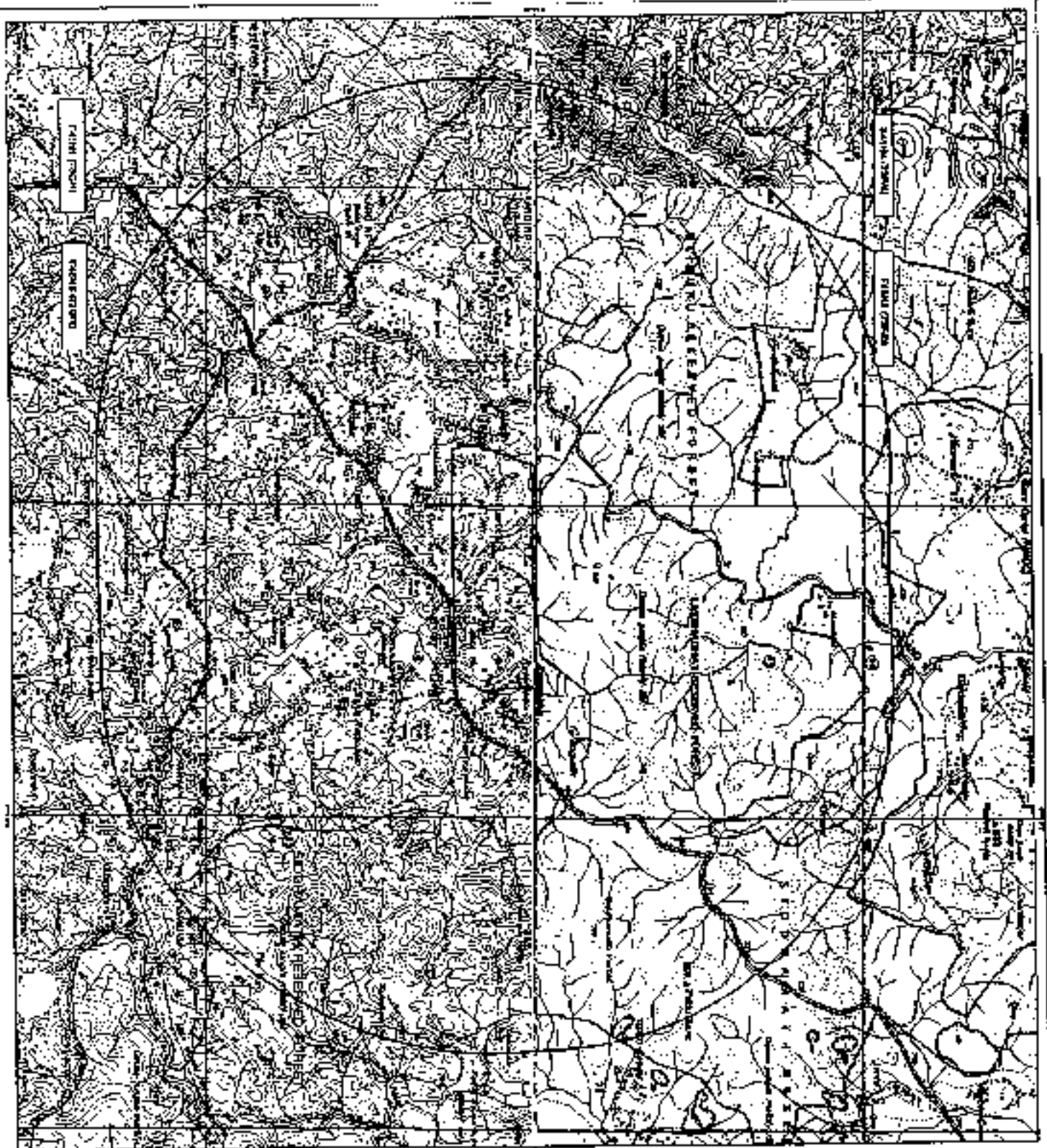
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COUNTY & DISTRICT INDEX



MAP SHOWING VILLAGE TANKS/WATER HOODS 5 KM FROM ML BOUNDARY OF GWALLIRON ORE MINES OF OMC LTD.

Yellow & Black
 100% Natural
 G.M. Ltd.





**OFFICE OF THE
REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,
AT/P.O. PANPOSH, ROURKELA-769 004.**

Memo No 1587 /3F-810/2024 Date: 16.04.2024

To

The Divisional Forest Officer,
Keonjhar Forest Division.

Sub:

Proposal for seeking prior approval of the Central Government under Section 7(II) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Ltd. for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (As per DGPS)/(365.026 ha as per RoR) of Gual Iron Ore mines under Keonjhar Forest Division and District Keonjhar Odisha.

X-sub:

Submission of Schemes in respect of Gual Iron Ore mining Lease of M/s OMC Ltd.

Ref:-

1 F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of GoI, MoEF & CC, Govt. of India.
2. Your Memo No. 3028 Dtd.09.04.2024.

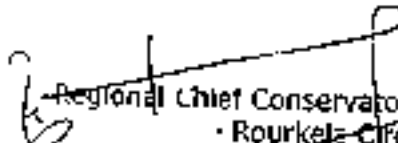
The following schemes prepared by you at the current wage rate of Rs.450.00 per man day and submitted vide your Memo under reference in compliance with Conditions of the Stage-I approval accorded vide Letter F.No. 8-96/1996-FC (PT) Dtd 21.12.2023 of MoEF & CC, Govt. of India, in respect of the above diversion proposal are hereby technically approved.

Sl. No.	Details of the Scheme	Condition No. of the Scheme	Technical approval accorded by the RCCF, Rourkela
1	Scheme for Gap plantation and Soil & Moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100m. from outer perimeter of the mining lease to be undertaken by the User Agency.	No.2 (f)	Rs.36,39,300/-
2	Scheme for appropriate mitigative measures to minimize soil erosion and choking of streams.	No.13 (a)	Rs.55,80,800/-
3	Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion;	No.13 (b)	Rs. 57,78,700/-
4	Scheme for Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour.	No.13 (c)	Rs.2,77,09,900/-
5	Scheme for Stabilization of overburden dumps by appropriate grading/ benching so as to ensure that the angles of repose at any given place is less than 28° and;	No.13 (d)	Rs.3,49,75,400/-

6	Scheme for demarcation, fencing, protection and afforestation of the safety zone area	No.14 (a, b, c & d)	Rs.39,67,300/-
7	Scheme for Top Soil Management.	No.15	Rs.2,92,52,900/-
8	Scheme for de-siltation of the village tanks and other water bodies located within five km from the mine lease boundary so as to mitigate the impact of siltation of such tanks / water bodies.	No.16	Rs.66,60,200/-

The technically approved schemes are returned herewith in duplicate for taking necessary action at your end.

Encl.:- As above.


~~Regional Chief Conservator of Forests,
Rourkela Circle.~~

Memo No.

Date:

Copy forwarded to the Principal Chief Conservator of Forests (Forest Diversion & No-Jal Officer, FC Act), D/o the Principal Chief Conservator of Forests, Odisha for favour of kind information and necessary action with reference to Memo No.3030 Dtd.09.04.2024 of DFO, Keonjhar Division.


Regional Chief Conservator of Forests,
Rourkela Circle.



**OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE) &
CHIEF WILDLIFE WARDEN, ODISHA**

Government of Odisha, Forest, Environment & Climate Change Department
PRAKRUTI BHAWAN, PLOT NO 1459, SAHEED NAGAR, BHUBANESWAR- 751007
Phone: 0674-2602250. Website: www.wildlife.odisha.gov.in. Email: ojs@wildlife@gmail.com

No. 8791 / CWLW-FDWC-FD-0134-2021
Date: Bhubaneswar the 10 August, 2023

To

The Executive Director (F&E),
M/s OMC Ltd., OMC House,
Bhubaneswar

Sub: Approval of Site Specific Wildlife Conservation Plan for Guali Iron Ore Mines at village(s) Guali Pandulipusi, Topodivi, Fugudihi, Sidhamatha RF in Barbil Tahasil, Keonjhar District, Odisha of M/s OMC Ltd.

Sir,

I am directed to convey the approval of PCCF (WL) & CWLW, Odisha for the Site Specific Wildlife Conservation Plan at financial outlay of ₹381.894 lakh (Rupees three crore eighty-one lakh eighty-nine thousand four hundred) only as per the details of activities mentioned in Chapter-IV and VI of the Plan in compliance to the ToR of EC for mining project of MoEFCC Letter dt 04.08.2021.

(a)	In project impact area in Keonjhar Division	₹177.750 lakh
(b)	In project impact area in Boral Division	₹204.144 lakh
Total:		₹381.894 lakh

A sum of ₹381.894 lakh (Rupees three crore eighty-one lakh eighty-nine thousand four hundred) only shall be deposited in State CAMPA fund only through e-portal (<https://paiveesh.nic.in>) for implementation of various activities within the project impact area by the Forest Department through concerned DFOs.

2. Activities in the project area as per Chapter-IV & VI of the Plan will be executed by the project proponent under the guidance of DFO, Keonjhar (T) Division.

3. The Plan period is for five years and will be revisited by the DFOs at least one year before expiry of its implementation. The User Agency will bear the cost of such Plan on its approval. Further, the User Agency will bear additional cost, if any, towards enhancement of wage rate and escalation of price of materials at the time of implementation of this Plan. In case of any deviation, it will be dealt as per law for violations of Forest (Conservation) Act 1980, Environment (Protection) Act 1986 and Wildlife (Protection) Act 1972.

Yours faithfully

Encl: Copy of approved SSWLCP

Conservator of Forests (WL)

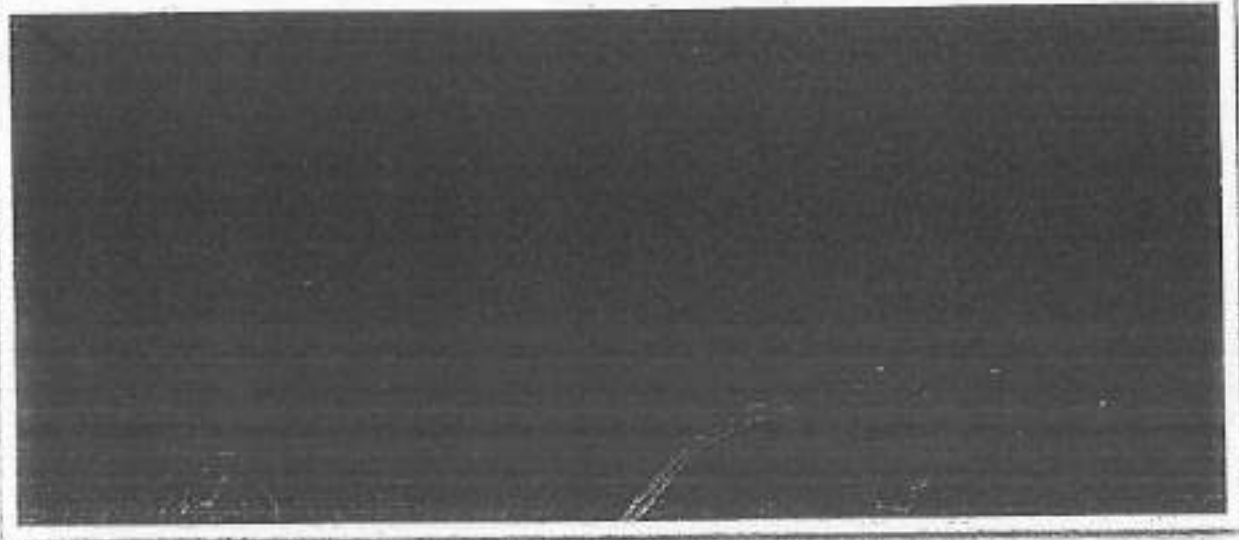
Memo. No. 8791 dt. 10/08/2023
Copy forwarded for information and necessary action to :-

1. The OSD-cum-Special Secretary to Government of Odisha, FE&CC Department, Bhubaneswar
2. The PCCF (FD & NO, FC Act), O/o PCCF & HoFF, Odisha, Bhubaneswar with reference to Memo No.7960 dt 23.06.2023 of DFO Keonjhar Division
3. The Regional Chief Conservator of Forests, Rourkela Circle with reference to his office Memo. No.7855 dt 23.06.2023 of DFO, Keonjhar Division
4. The Divisional Forest Officer(s), Keonjhar Division/ Boral Division alongwith copy of the approved SSWLCP

Conservator of Forests (WL)



**Site Specific
Wildlife Conservation Plan for Guali Iron
Ore Mines of Odisha Mining
Corporation Limited at Village Guali,
Loidapada, Panduliposhi, Topadihi,
Rugudihi under Barbil Tahasil of District
Keonjhar, Odisha.**



**By
Divisional Forest Officer,
Keonjhar Division**



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali str under Barbil Tahasil of District Keonjhar, Odisha.

OMC

Preface

The Government has taken steps to ramp up production of iron ore and steel to increase their domestic availability to bridge the demand-supply mismatch leading to increase in prices of iron and steel in recent time.

In a de-regulated, open market scenario, the domestic steel price is determined by market forces of demand and supply, trends in prices of raw materials and is also influenced by global conditions. Various factors contributing to increase in prices inter alia include increase in price of iron ore following its reduced availability with the production of iron ore in current FY being only 112 MT up to November, 2020 as compared to 152 MT during CPLY mainly due to non-operationalization of 13 working mining leases in Odisha, post their auction in March, 2020.


Measures taken by the Government to increase availability of iron ore inter alia include Mining and Mineral Policy refers to enhance production/availability of iron ore, ramping up production and maximum capacity utilization by government mining companies.

The Odisha Mining Corporation Limited is constantly working for enhancement of Iron Ore production keeping the need of the time in mind.

This Wildlife Conservation Plan has been prepared keeping the present scenario in Keonjhar / Barbil Division. This plan will help in management of wildlife especially Schedule-I animals of this tract.

Place: Keonjhar

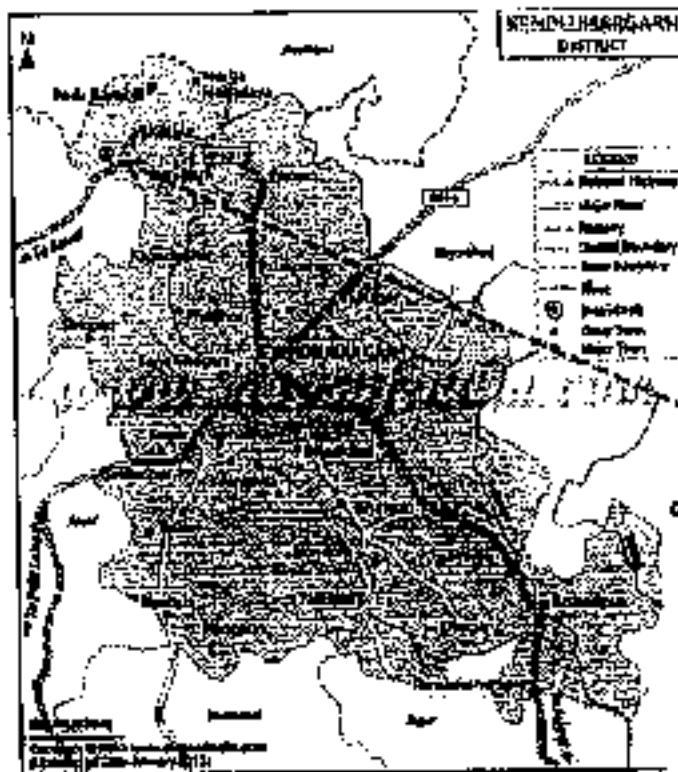
Dated: 21st February, 2023


Divisional Forest Officer,
Keonjhar division.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barhi Tahasil of District Keonjhar, Odisha.

OMC

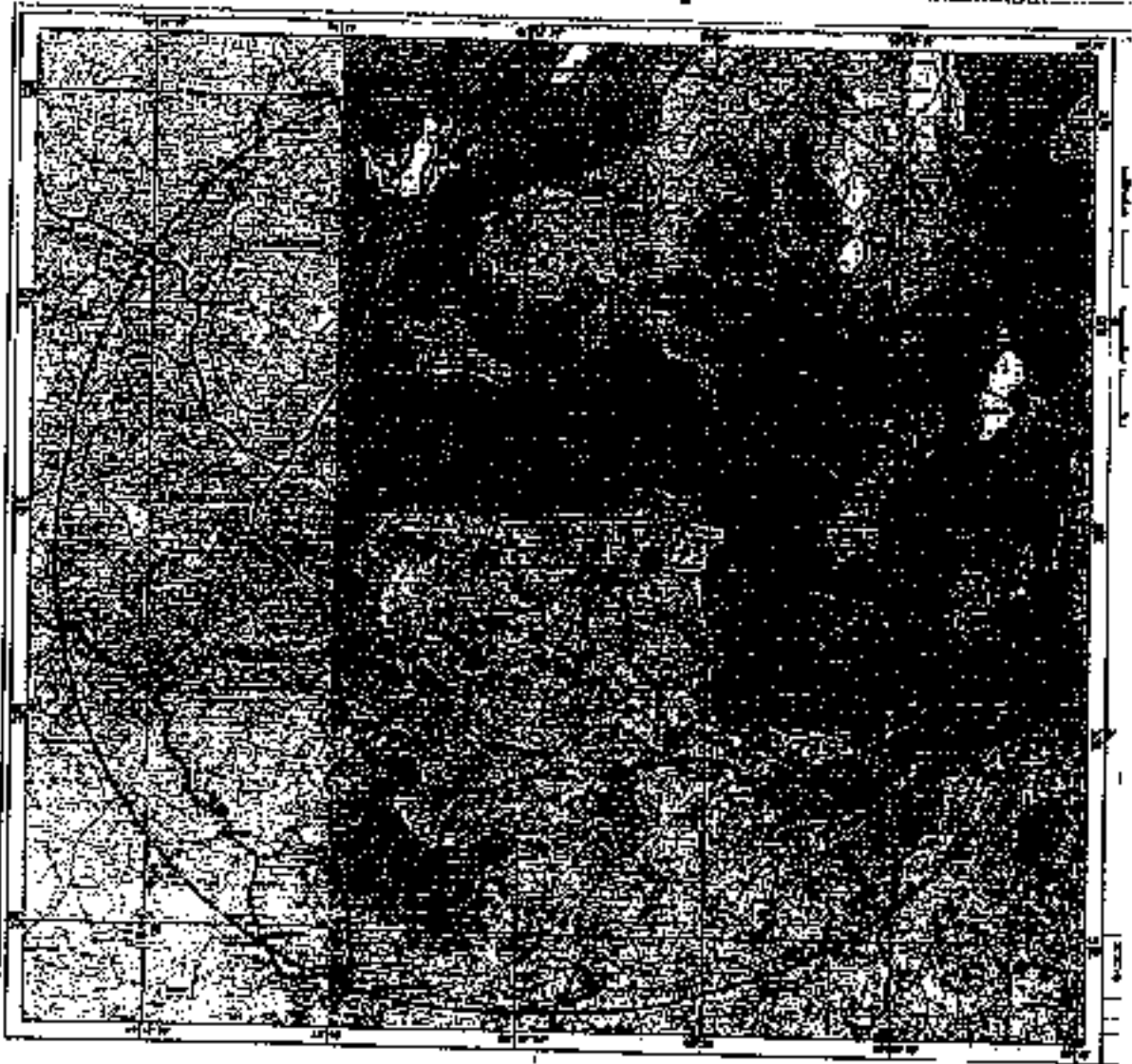


■ **Guali Iron Ore Mine**
Villages Guali, Loidapada, Panbuliposhi, Topadahi, Rugudihni & Sidhanseth Reserve Forest, Barhi Tehsil, Keonjhar District, Odisha



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

OMC



**Location of Guali Iron Ore Mines of OMC Ltd,
Bhubaneswar**



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Executive Summary

- ❖ Odisha Mining Corporation Limited (OMC) was incorporated on 16th May 1956 as a Joint Venture Company of Govt. of Odisha and Govt. of India with the objective of harnessing the mineral wealth of the State of Odisha through exploration, extraction as well as value addition.
- ❖ Four years later, following the withdrawal of the Govt. of India from the company, OMC became a wholly State-owned Corporation of Govt. of Odisha on 17th Nov 1961. As of now, it continues to be a wholly owned corporation of the Odisha Government.
- ❖ OMC owns 35 mining leases consisting of Eleven (11) iron ore leases, Three (3) manganese ore leases, Five (5) iron & manganese ore leases, Eleven (10) chromite leases, One (1) limestone lease, four (4) gemstone (semiprecious ruby/corundum) and One (1) Bauxite lease only in Odisha State.
- ❖ In pursuance to the order F.No 4/1/2020 M.M. dated 05.01.2021 of Ministry of Mines, Government India, Guali Iron Ore Block, district Keonjhar has been reserved in favour of Odisha Mining Corporation Limited for a period of 10 years.
- ❖ The lease deed has been executed on 12.01.2021 in response to Mining Lease Grant order No 358/SM dated 12.01.2021. At present the lease in favour of OMC Ltd is valid up to 11.01.2031.
- ❖ The Mining Lease area is 365.026 ha in village Guali, Loidapada, Panduliposi, Topadihi, Rugudini and Sidhamatha Reserved Forest.
- ❖ As per DGPS survey & mapping the area comes to 358.258ha and for all calculation / land use pattern this area has been considered.
- ❖ The mine is bounded by Latitude: 21°59'21.99060"N to 22°00'1.98397"N and Longitudes 85°17'02.37474" to 85°18'58.14042"E; The project finds place in Survey of India Topo sheet No F45NS (73G/5) and F45HR (73H/8) (Scale 1:50000).
- ❖ Guali Iron Ore Mines is located at a distance of ~22km by road on south west of Barbil Town. The nearest railway station is at Barbil on Rajkharisawan-Barajamda-Barbil branch line is ~22 km by road towards north east of the mine. Nearest airport Jharsuguda is ~128 km by road on west.
- ❖ The project cost is Rs 8359.37 Lakh as indicated in the Forest Diversion Application (Part-I of Form-A).
- ❖ The land involved in the project is mostly Forest Land (92.7%), Non Forest land 26.158ha (7.3%) which mostly includes Private Agricultural land, small water body, Govt. Non Forest Land.



- ❖ The total forest area is 332.10 ha.
- ❖ The project has obtained Forest Clearance over an area of 137.417ha in two phases (1st Phase- 42.417ha, 2nd Phase 95.00 ha). For balance forest area 194.683ha, Forest Diversion proposal has been filed by the present lessee i.e. OMC Ltd vide Proposal No.FP/OR/MIN/140713/2021 State SJ No OR-054/2021 dated 09.09.2021.
- ❖ The Guali Iron Ore mine has a valid Environment Clearance for production capacity of 5.7 MTPA of Iron Ore vide Letter No I-11015/1155/2007-IA-II(M) dated 22.06.2009 issued by MoEF, Government of India, New Delhi.
- ❖ The OMC Ltd has intended to enhance production capacity from 5.7 MTPA and proposed for a total excavation of 37.67MTPA with salable ore of 27.44 MTPA with multistage crushing & screening plant in addition to existing crushing & screening facilities.
- ❖ Online application has been filed vide Proposal No IA/OR/MIN/208682/2021 In Parivesh Website. On consideration the MoEF&CC, Impact Assess Division has issued ToR (Terms of Reference) vide letter No.IA-I-11015/31/2021-IA-II (M) dated 04th August, 2021 for preparation of EIA./EMP Report.
- ❖ The Zone of Impact (ZOI) is defined as area coming within 10km radius from the periphery of the project boundary. The area (ZOI) of Guali Iron Ore Mine computed to be 398.30 sq. km. It extends to Jharkhand State (Singhbhum West District).
- ❖ The Mine is located in a massive iron ore belt of Joda- Barbil- Koira- Singlibhum. Numbers of Mining Lease / projects are existing. Due to overlapping nature of the Zone of Impact additional Zone of Impact area has been considered for implementation of interventions for a better wildlife management.
- ❖ Area coming within 10km radius to 17.5 km radius has been taken in to consideration as AZOI. Area computed to be 197.00 Sq. Km.
- ❖ It is observed that Forest is the main land use pattern in the ZOI & AZOI followed by Agriculture. Waste land constitutes 3rd land use pattern. Mining & Industrial Infrastructure occupies 5% of the land where as habitation is confine to only 3% of the area.
- ❖ There are 33 villages within ZOI (16 villages in Keonjhar District and 17 villages in Sundargarh District).
- ❖ There are 29 villages (Keonjhar District: 13, Sundargarh Dist: 16) in AZOI.
- ❖ There is no Floral Rare, Endangered & Threatened Species (RET) within Zone of Impact as per Botanical Survey of India. However on field observations many floral



species are considered to be rare in the locality and its preservation/ conservation and propagation is of paramount importance. These are Bija, Pahadi Sisua, Bandhan, Kuruma, Amia etc.

- ❖ The faunal species those are under Schedule-I are considered to be threatened.
- ❖ The Working Plan of Keonjhar Division for 2022-23 to 2031-32 is by Sri Susil Kumar Nayak OFS -A (SB) and has been approved by IRO, MoEF&CC, Bhubaneswar vide Letter No 8(31) 36/ 2016-FCF dated 15.07.2022.
- ❖ The forests under Keonjhar Division coming within ZOI have been proposed to be managed under Improvement Working Circle. There is a Wildlife (Overlapping) Working Circle for management of wildlife in the division.
- ❖ The Working Plan of Bonai Division is by Sri Sanath Kumar N, IFS for the period 2021-22 to 2030-31 and has been approved by IRO, MoEF&CC, Bhubaneswar. The forests of Bonai Division coming within ZOI are being managed under Selection Cum Improvement WC, Protection WC and Plantation WC. There is a Wildlife (Overlapping) Working Circle for management of wildlife in the division.
- ❖ The project is not forming a part of National Park, Wildlife Sanctuary, any Protected Area nor it comes within any Eco Sensitive Zone of National Park, Wildlife Sanctuary, any Protected area.
- ❖ The nearest Sanctuary is Similipal Sanctuary which is about 88.7 km from the project. The Karc - Karampada Elephant corridor is about 3.2 km from the project.
- ❖ The proposed site falls under elephant habitat Zone-2 as per the book titled "Remote Sensing Application for characterization of elephant habitat and corridor in Odisha and part of Bihar" published by ORSAC in September, 1999.
- ❖ Human- Wild Animal Conflict (HWC) is in a rising trend in this locality. Due to industrialization / Mining etc the Mega animal movement has been affected
- ❖ Most of the activities / interventions for wildlife management revolve around Habitat Improvement, Protection & Surveillance. Public awareness through various modes.
- ❖ Motivation of villagers / VSS Members/ School children is the key guiding factors for interventions.
- ❖ For reduced Crop depredation, deployment of staffs, Watch Towers and taking help of modern tools like drone camera, Satellite imagery are being implemented.
- ❖ Recently Hanging Solar Fencing has been installed at Joda along the both sides of Railway track to prevent elephant movement across the railway line.
- ❖ Use of Drone based Thermal camera for tracking of wild life (mega animals) found to be useful and also in use.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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- ❖ Schemes like Gaja Sathi, Jana Surakshys Gaja Rakshya, Mo Jungal – No parivesh etc are being implemented.
- ❖ Some projects are Community Participatory in nature to augment relation with public in Forest & wildlife Management and reducing Human- Animal Conflict.
- ❖ Guali Iron Ore Mining lease is over an area of 365.026ha. The mine is categorized as "Category-A Fully Mechanized Opencast".
- ❖ The area contains iron ore of all grades. The Iron Ore is mainly friable laminated comprising of hard laminated ore, soft laminated ore and powdery ore.
- ❖ The Reserve estimated as on 12.01.2021 is 150.136 Million Ton.
- ❖ At present there are two quarries, two waste dumps.
- ❖ Blast hole drilling are proposed by DTH drill of 150-160mm dia single or multi row drill with hole to hole delay are proposed.
- ❖ The most common type of explosives available readily are Power Gel -1, Power gel-2, Sapa dyne for column charge and for booster charge Power Gel-C, Cast booster, Aquadyne shall be used in the mine.
- ❖ The powder factor is about 13 Tons / Kg
- ❖ There are seven ore stock yard for two different mining pit Topadihi Block-A and Balisahi Block-B.
- ❖ In view of Ore Occurances, Safety Zone, Ultimate Pit Limit has been delineated. There will be two quarries at the end of the life of the mine.
- ❖ The Topadihi nalla passing through ML area is proposed to be diverted during conceptual period for merging of both the pits. This will enhance the mineable reserve and life of the Mine.
- ❖ There is no proposal for waste dump rehandling for purpose of recovery of minerals during this mining plan period.
- ❖ Mine has been proposed to be operated in three shifts. Each Shift will be of 8 hours duration. Number of working days will be 300 days
- ❖ The life of mine would be 8 years including current plan period. However further exploration has been proposed during the plan period which will augment the resource thus exceeding the life of mine beyond lease period.
- ❖ Out of total production 30% is of lumps (>10mm) and 70% is of fine (<10mm) in nature. All the produce will be disposed up through Sale / Auction.
- ❖ The lumps will be transported by end users by Road or by train from Barbil Railway Siding.
- ❖ The fines are proposed to be transported through pipeline in form of slurry.
- ❖ At the conceptual stage, the lease area will be under vast water body, afforested area and grass land.



- ❖ The topography of the area is undulating. Elevation ranges from 515m AMSL to 840 m AMSL.
- ❖ The ground water table in the Mining lease area is 446 m AMSL in pre monsoon 450m AMSL in monsoon period. However the general Water table is 490m AMSL as per latest observation in the surrounding buffer zone borewells.
- ❖ Water table is likely to be punctured during 5th year i.e. 2024-25 of the plan period.
- ❖ The present water requirement for production of 5.70 MTPA is 320m³ /Day. During peak production of 30 MTPA, the water requirement has been estimated to be 2500 m³/ Day.
- ❖ The effect on animals are as mentioned below.
- ❖ Noise generated due use of HEMM for mining in three shifts in a day (3x8x7)hrs, the animals sensitive to noise may vacate the adjoining forest i.e. Sidhamatha, Thakuranj and Karo Reserved Forests
- ❖ Noise may affect animal communication mechanism and may bring loss of libido, loss of prey / predators escape / catch mechanism.
- ❖ More PM₁₀ and PM_{2.5} in the immediate vicinity may induce respiratory disorders for animals.
- ❖ Strong lights used for Mine illumination may affect visibility of reptiles and animals of deer and cat family. It may lead to ease prey by hunters / predators.
- ❖ Ground vibration beyond a threshold limit (it varies from species to species) may affect animals and a scared psychosis may develop.
- ❖ Enhanced traffic on roads may lead to animal death making roads from porous ~ deterrent- death zone depending upon time interval between movements of two vehicles.
- ❖ Contaminated fodders (due to dust particles) may affect digestive system of animals.
- ❖ Blasting noise may scare the avifauna of the area within 3-4 km and animals within a zone of 2 km.
- ❖ The proposed project will impact the social and economic conditions of the people of the region in terms of direct and indirect employment, skill diversification, Infrastructure development, Business development etc.
- ❖ Due to enhanced mining new / additional employment will be generated.
- ❖ This tract of forests bears NTFP like Sial Leaf, Sal Leaf, Mahua Flower, Sal resin (Jhuna), Honey, Mushroom etc. Due to mining and industrialization of this tract, many good forests either degraded or in the path of degradation.
- ❖ Moist Sal bearing forests are marching towards a dry deciduous forests.



- ❖ The annual quantum of collection in each NTFP items are reduced and not matching to alternative income on day to day engagement basis.
- ❖ Dependency of NTFP collection has been reduced substantially as it is not lucrative.
- ❖ There are poor family which could not be engaged in other works are still depending on NTFP collection.
- ❖ During enhancement of production to 30 MTPA, it has been designed to transport fines (70%) by Slurry Pipeline and 30% lumps by road transportation.
- ❖ 30% lumps which comes to 9 MTPA, lorry / dumpers will be engaged for transportation. Taking same capacity dumpers i.e. 60Tons, per day dispatch will be at a level of 500 trips per day. This is about rise of 58% traffic load.
- ❖ Slurry Pipeline work not yet started.
- ❖ One Site Specific Wildlife Conservation Plan was approved by the PCCF (WL) & Chief Wildlife Warden, Odisha vide Memo No 321 dated 17.01.2009 in compliance to Environment clearance condition of MoEF vide letter no J-11015/1155/2007- IA (M) of 08.05.2008.
- ❖ The approved plan projected Cost was Rs 277.00 Lakh for both interventions to be implemented within ML area & outside and to be implemented by the DFO, Keonjhar.
- ❖ The amount Rs 2,71,80,856.00 has been deposited by user agency CAF, Orissa A/c No. 1585 of Corporation Bank, CGO Complex, New Delhi.
- ❖ Though the funds has been deposited by the then lessee, no funds has been utilized during plan period and beyond till date. Rs 5,19,144/- has been used for procuring a vehicle for supervision of Work.
- ❖ At present the U/A is implementing Green belt Plantation (in Safety Zone), Dump stabilization, planting along the haul roads, Rain water harvesting, Roof top rain water harvesting.
- ❖ For avifauna conservation, artificial birds nest for sparrows have been fixed in asbestos roof, on tree branches etc. and serving water to birds in dry months by placing bath tubs for birds.
- ❖ Springing of water on haul roads etc being implemented as per Mining Plan prescriptions
- ❖ The User Agency (OMC Ltd) will implement the following interventions within ML area for wildlife conservation measures.
- ❖ Steps to be taken to reduce noise, fugitive dust generation within ML area,
- ❖ Provide sound barriers near Crushing & Screening Plants,
- ❖ Solar fencing on Mining Pit and Forest interface to eradicate any fear of accidental Wild animal fall.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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- ❖ For dust suppression water fog instruments to be introduced along with traditional measures to make dust suppressing more effective.
- ❖ Mining light arrangement / fixing is to be so planned so that no light is spread towards nearby forests.
- ❖ No turbid runoff is directly discharged to Topadolji nala which meets Karo River at very near to Mining area.
- ❖ Blasting to be regulated / carried out in day time (Preferable In between 12.00 noon to 2.00 PM). Blasting in morning / evening / night to be completely avoided.
- ❖ Low pitch blasting devices to be used.
- ❖ Tree planting along the haul road to be intensively implemented. Two tire tree planting model to be practiced.
- ❖ Status of Flora & fauna in each of the regions shall be assessed on annual basis and report to DFO, Keonjhar. The study shall be conducted in consultation with State Forest and Wildlife Department (Annually in Mining Zone and once in 3 years in the region).
- ❖ The project is a non linear one. The location of the project is neither on any wildlife Corridor nor on any "Hati Chala Patha". No passage plan has been suggested.
- ❖ Implementation of "Jana Surakhya, Gaja Rakshya" Scheme in two villages of Barbil range. Total solar fencing is on the approximate distance of 4 km ($\pm 10\%$).
- ❖ Providing mobility to frontline Staff: One hired vehicle with PoL will be provided by User agency as per instruction of Local Range Officer / DFO, Keonjhar.
- ❖ The forest department (Keonjhar Division) will implement Development of Meadows, Deployment of Additional Manpower, Deployment of Gaja Sathi (for 12 months), Providing Solar Street Light, Distribution of Metal Grain Bin (1 Qts) capacity, Mo Jungal Mo Parivesh Yojana and Distribution of IEC materials
- ❖ Bonai Division will implement Enrichment by Plantation (Planting of Bamboo by seed ball method), Construct Check Dam (Masonry), Establishment of Portable Highway Camp Shed (NH-215), Improvement of Communication Net work Installation of main VHF Tower and Providing Wacky- Talky, Deployment of Gajasathi, Providing Solar Street Light, Public awareness Program.
- ❖ This plan is valid for 5 years i.e. from 2023-24 to 2027-28.
- ❖ The Plan cost is projected at Rs.381.894 Lakh (Rupees Three Crore Eighty One lakh Eighty Nine Thousand and Four Hundred Only) [Keonjhar Division: Rs 177.75 Lakh and Bonai Division: Rs 204.144 lakh]





Site Specific Wildlife Conservation Plan for Gual Iron Ore Mine of OMC Ltd located at village Gual etc under Barbil Tahasil of District Keonjhar, Odisha.

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CHAPTER-I LOCATION OF PROJECT & ITS AREA





CHAPTER-I

Location of Project & its Area

1. Introduction:

Odisha Mining Corporation Limited (OMC) was incorporated on 16th May 1956 as a Joint Venture Company of Govt. of Odisha and Govt. of India with the objective of harnessing the mineral wealth of the State of Odisha through exploration, extraction as well as value addition.

Four years later, following the withdrawal of the Govt. of India from the company, OMC became a wholly State-owned Corporation of Govt. of Odisha on 17th Nov 1961. As of now, it continues to be a wholly owned corporation of the Odisha Government.

The major minerals mined by OMC are Chrome, Iron, Manganese and Bauxite which cater to the requirement of mineral based industries such as steel, sponge iron, pig iron, Ferro-manganese, Ferro-chrome, alumina etc.

OMC has been growing steadily over these years and today it stands as the largest State PSU in the mining sector of the country. That OMC has been classified as a "Gold Category State PSU", and 100% debt free profit making corporation, is a testament to the excellent processes and systems put in place by the management team.

OMC owns 35 mining leases consisting of Eleven (11) iron ore leases, Three (3) manganese ore leases, Five (5) iron & manganese ore leases, Eleven (10) chromite leases, One (1) limestone lease, Four (4) gemstone (semiprecious ruby/corundum) and One (1) Bauxite lease only in Odisha State. The major minerals mined by OMC are chrome, iron, manganese and Bauxite. At the present rate, OMC is producing about 10% of total iron ore production and about 30% of the total chrome ore production of the State.

Guali Iron Ore Mine under Barbil Tahasil of Keonjhar District was originally granted in favour of M.H. Rehmann in 1953 over an area of 365.026ha for a period of 20 years. (From 27.06.1953 to 26.06.1973). The State Government has renewed the lease for another period of another 20 years ending 26.06.1993. During this renewal period the lease was transferred in favour of Sri Ramesh Prasad Sao on 15.11.1986. On application of the lessee, the 2nd RML was granted for another 20 years i.e. up to 26.06.2013. Sri R.P.Sao has also filed 3rd Renewal Application for another 20 years i.e. up to 26.06.2033. As per MM (D&R) Amendment Act, 2015 the mining lease was extended up to 31.03.2020 vide supplementary lease deed dated 23.05.2015.

In pursuance to the order F.No 4/1/2020 M.M. dated 05.01.2021 of Ministry of Mines, Government India, Guali Iron Ore Block, district Keonjhar has been reserved in favour of



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil, Talasli of District Keonjhar, Odisha.

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Odisha Mining Corporation Limited for a period of 10 years vide Notification No 283/SM dated 11.01.2021 of Steel & Mines Department, Government of Odisha. The lease deed has been executed on 12.01.2021 in response to Mining Lease Grant order No 358/SM dated 12.01.2021. At present the lease in favour of OMC Ltd is valid up to 11.01.2031

All the valid rights, approvals, clearances, licenses and likes vested with the previous lessee has been transferred in favour of Odisha Mining Corporation Limited for a period of two years vide Order No 324/SM dated 11.01.2021

The Mining Lease area is 365.026 ha in village Guali, Loidapada, Panduliasol, Topadihi, Kugudhi and Sidhamatha Reserved Forest. As per DGPS survey & mapping the area comes to 358.258ha and for all calculation / land use pattern this area has been considered. The mine has a valid Environment Clearance for a production capacity of 5.7 MTPA of Iron Ore vide Letter No J-11015/1155/2007-IA-II(M) dated 22.06.2009 Issued by MoEF, Government of India, New Delhi. [Annexure-I].

The OMC Ltd has intended to enhance production capacity from 5.7 MTPA and proposed for a total excavation of 37.67MTPA with salable ore of 27.41 MTPA with multistage crushing & screening plant in addition to existing crushing & screening facilities. Online application has been filed vide Proposal No IA/OR/MIN/208682/2021 in Parivesh Website. On consideration the MoEF&CC, Impact Assess Division has Issued ToR (Terms of Reference) vide letter No. IA-J-11015/31/2021-IA-II(M) dated 04th August, 2021 for preparation of EIA /EMP Report [Annexure-II]. The stipulated condition no 16, 17 and 18 of B. Standard ToR for Mining Project read as follows.

16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the Project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required should be worked out with cost implications and submitted.

17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site, Tiger / Elephant Reserve (Existing as well as proposed), if any within 10km of the mining lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecological sensitive areas as mentioned above should be obtained from the standing committee of National Board of Wildlife and copy furnished.

18) A detail Biological Study of study area (core zone and buffer zone (10 km radius of the periphery of the mine lease)) shall be carried out. Details of flora and fauna, endangered,



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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endemic and RET species duly authenticated separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the schedule of the fauna present. In case of any schedule-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

The Mining lease area 365.026 ha in village Guali, Loidapada, Panduliposi, Topadihi, Rugudihi and Sidhamatha Reserved Forest. As per DGPS survey & mapping the area comes to 358.258ha. The forest area computed to be 332.100ha out of which 137.417ha of forest land has been diverted in two phases (1st Phase- 12.417ha, 2nd Phase 95.00 ha). For balance forest area 194.683ha (332.100 ha- 137.417ha), Forest Diversion proposal has been filed by the present lessee i.e. OMC Ltd vide Proposal No FP/OR/MIN/140713/2021 State SL No OR-054/2021 dated 09.09.2021. The State Government has recommended the proposal vide Letter NoFE-DIV-FLD-0034-2022-8065/FE&CC dated 30.04.2022 (Annexure-III). The matter is under consideration at MoEF&CC Level.

The MoEF&CC in the "In Principle Approval" orders may stipulate condition for Wildlife Management Plan.

This Wildlife Conservation Plan is being prepared & submitted keeping in view the conditions stipulated in ToR. On event of similar conditions under Forest diversion, this plan will also comply the condition.

1.1 Location of the Project:

The project i.e. Guali Iron Ore Mine is located at village Guali and four other villages i.e. Loidapada, Panduliposhi, Topadihi, Rugudihi and Sidhamatha RF in Barbil Tahasil of District Keonjhar, Odisha. The mine is bounded by Latitude: 21°59'21.99060"N to 22°00'1.98397"N and Longitudes 85°17'02.37474" to 85°18'59.14042"E; The project finds place in Survey of India Topo sheet No F45N5 (73G/5) and F45H8 (73H/8) (Scale 1:50000). The Mine Location has been depicted in Plate No-I.

1.1.1 Forest / Civil Administrative Jurisdiction:

The Forest / Civil administrative jurisdiction is furnished below.

Sl No	Forest Jurisdiction		Civil Jurisdiction	
	Unit	Name	Unit	Name
1	Beat	Rugudihi	Village	Guali, Loidapada, Panduliposhi, Topadihi, Rugudihi
2	Section	Guali	Tahasil	Barbil



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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3	Range	Barbil	Sub-Division	Champua
4	Division	Keonjhar	District	Keonjhar
5	Circle	Rourkela	Division	Northern Division, Sambalpur

Table 1 Forest/Civil Administrative Jurisdiction

1.1.2 Approach to the Project:

Guali Iron Ore Mines is located at a distance of ~22km by road on south west of Barbil Town. The nearest railway station is at Barbil on Rajkharasawan-Barajamda-Barbil branch line is ~22 km by road towards north east of the mine. There is a small airstrip at Tanta (with a 3200 ft. long runway) 18.0 km by road on north-east of Guali ML area. Nearest airport Jharsuguda is ~128 km by road on west.

1.1.3 Extent of Project Area & Land Schedule:

The Project Lease area is recorded as 358.258 ha. Out of the lease area, 332.10 ha is Forest Land and 26.158 ha is non-forest land.

The village wise area as authenticated by the Tahasilidar, Barbil is as below.

Sl No	Name of Village	Forest area (in Ac)	Non Forest area (in Ac)	Total (in Ac)
1	Guali	141.213	0.028	141.241
2	Loldapada	7.596	3.67	11.266
3	Paridulipinshi	95.336	68.075	163.411
4	Topadhi	439.853	40.883	480.746
5	Rugudhi	12.858	0	12.858
6	Sidhamatha RF	75.755		75.755
	S. Total (in ha)	312.6754	45.59	358.267
Total		332.10	26.158	358.258
	Percentage	92.7	7.3	100

Table 2 Extent of project area & land schedule

The classification of Forest area is as follows.

Classification of Forest land (Area in ha)						
Category of Forest	Reserved Forests	Revenue Forest (Ha)	Forest (Sabik)	DLC Forest	Deemed Forest	Total
Area in ha	30.657	202.023	90.302	0	9.118	332.100
Percentage	9.2	60.8	27.2	0.0	2.7	100.0

Table 3 Classification of Forest land



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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1.1.4 Details of Forest land / Non Forest land involved.

The land involved in the project is 885.277 Ac. (358.258 ha). The same has been authenticated by the Tahasildar, Barbil vide his letter No. 1076 dated 22.08.2021. The copy is at Annexure-IV

1.2 Cost of the Project:

The project cost is Rs 8359.37 Lakh as indicated in the Forest Diversion Application (Part-I of Form-A) and at Annexure-V of this plan.

1.3 Nature & Land involved in the Project:

The land involved in the project is mostly Forest Land (92.7%), Non Forest land 26.158ha (7.3%) which mostly includes Private Agricultural land, small water body, Govt. Non Forest Land.

1.4 Nature of the Project:

The project is non linear. It is a Mining Project and In operation since 1953 and OMC is the 3rd Lessee with effect from 12.01.2021.

1.5 Stipulated Condition under which plan to be prepared:

The Plan is being prepared under stipulated condition as in "Terms of Reference" (ToR) issued vide letter No. IA-7-11015/31/2021-IA-II(M) dated 04th August, 2021 for preparation of EIA /FMP Report (Annexure-II). The stipulated condition no 18 of B. Standard ToR for Mining Project read as follows.

18) A detail Biological Study of study area (core zone and buffer zone (10 km radius of the periphery of the mine lease)) shall be carried out. Details of flora and fauna, endangered, endemic and RET species duly authenticated separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the schedule of the fauna present. In case of any schedule-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

1.6 Statutory Clearances:

1.6.1 Status of Forest Clearance:

The total forest area is 332.10 ha. The project has obtained Forest Clearance over an area of 137.417ha in two phases (1st Phase- 42.417ha, 2nd Phase 95.00 ha). For balance forest area 194.683ha (332.100 ha- 137.417ha), Forest Diversion proposal has been filed by the



present lessee i.e. OMC Ltd vide Proposal No FP/OR/MIN/140713/2021 State Sl No OR-054/2021 dated 09.09.2021. The State Government has recommended the proposal vide Letter No FE-DIV-FLD-0034-2022-8065/ FE&CC dated 30.04.2022 (Annexure-II). The matter is under consideration at MoEF&CC Level.

1.6.2 Status of Wildlife Clearance:

The project area does not form a part of National Park, Wildlife Sanctuary, any Protected Area nor it comes within any Eco Sensitive Zone of National Park, Wildlife Sanctuary, any Protected area. Hence Wildlife Clearance U/s 29 of Wildlife (Protection) Act, 1972 is not applicable to this project.

1.6.3 Status of Environmental Clearance:

The Guali Iron Ore mine has a valid Environment Clearance for a production capacity of 5.7 MTPA of Iron Ore vide Letter No J-11015/1155/2007-IA-II(M) dated 22.06.2009 issued by MoEF, Government of India, New Delhi. (Annexure-I).

The OMC Ltd has intended to enhance production capacity from 5.7 MTPA and proposed for a total excavation of 37.67MTPA with saleable ore of 27.44 MTPA with multistage crushing & screening plant in addition to existing crushing & screening facilities. Online application has been filed vide Proposal No IA/OR/MIN/208682/2021 in Parkesh Website. On consideration the MoEF&CC, Impact Assess Division has issued ToR (Terms of Reference) vide letter No. IA-J-11015/31/2021-IA-II (M) dated 04th August, 2021 for preparation of EIA/EMP Report (Annexure-II).

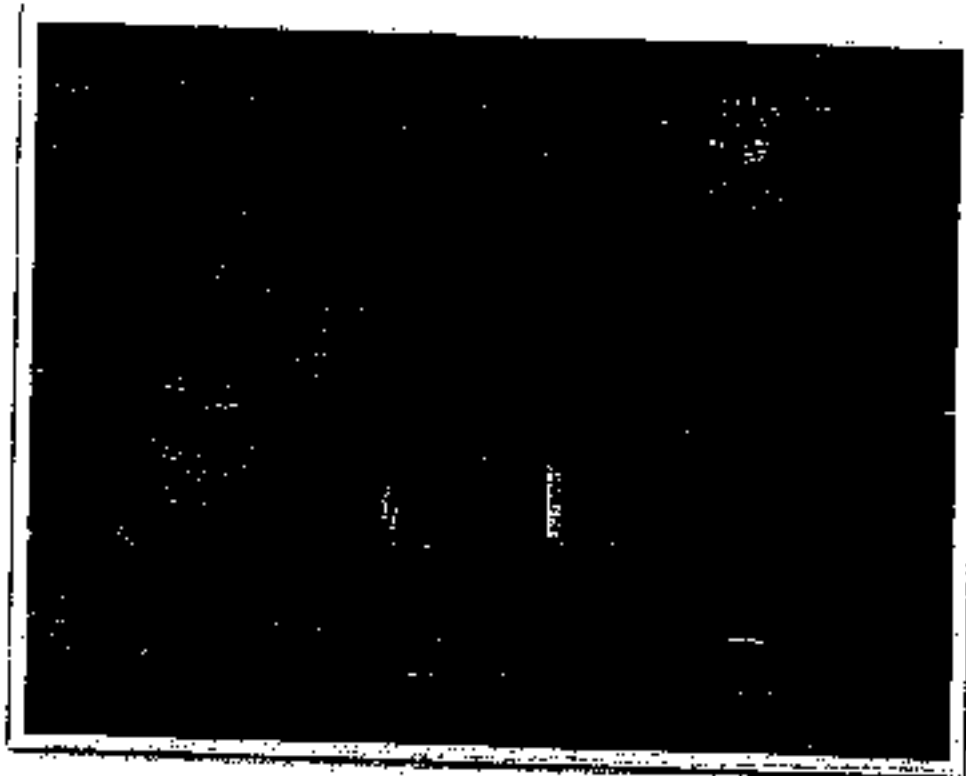


*Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd
located at village Guali etc under Borbil Tahasil of District Keonjhar,
Odisha.*

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CHAPTER-II

PROJECT & ITS IMPACT AREA





CHAPTER-II Project & Its Impact Area

2.0 Description of Project Area & Its Impact Area:

Guali Iron Ore Mine under Barbil Tahasil of Keonjhar District was originally granted in favour of M.H. Rehmani in 1953 over an area of 365.026ha for a period of 20 years. (From 27.06.1953 to 26.06.1973). The State Government has renewed the lease for another period of another 20 years ending 26.06.1993. During this renewal period the lease was transferred in favour of Sri Ramesh Prasad Sao on 15.11.1986. On application of the lessee, the 2nd RML was granted for another 20 years i.e. up to 26.06.2013. Sri R.P.Sao has also filed 3rd Renewal Application for another 20 years i.e. up to 26.06.2033. As per MM (D&R) Amendment Act, 2015 the mining lease was extended up to 31.03.2020 vide supplementary lease deed dated 23.05.2015.

In pursuance to the order F.No 4/1/2020 M.M. dated 05.01.2021 of Ministry of Mines, Government India, Guali Iron Ore Block, district Keonjhar has been reserved in favour of Odisha Mining Corporation Limited for a period of 10 years vide Notification No 283/SM dated 11.01.2021 of Steel & Mines Department, Government of Odisha. The lease deed has been executed on 12.01.2021 in response to Mining Lease Grant order No 358/SM dated 12.01.2021. At present the lease in favour of OMC Ltd is valid up to 11.01.2031.

2.1 Location:

The project i.e. Guali Iron Ore Mine is located at village Guali, Loidapada, Pandullipostri, Topadli, Rugudihand Sidhamatha RF in Barbil Tahasil of District Keonjhar, Odisha. The mine is bounded by

Latitude: 21°59'21.99060" N to 22°00'1.98397" N and

Longitude: 85°17'02.87474" to 85°18'59.14042"E;

The project finds place in Survey of India Topo sheet No F45NG (73G/5) and F45HB (73H/8) (Scale 1:50000).

2.1.1 Approach to the Mining Lease:

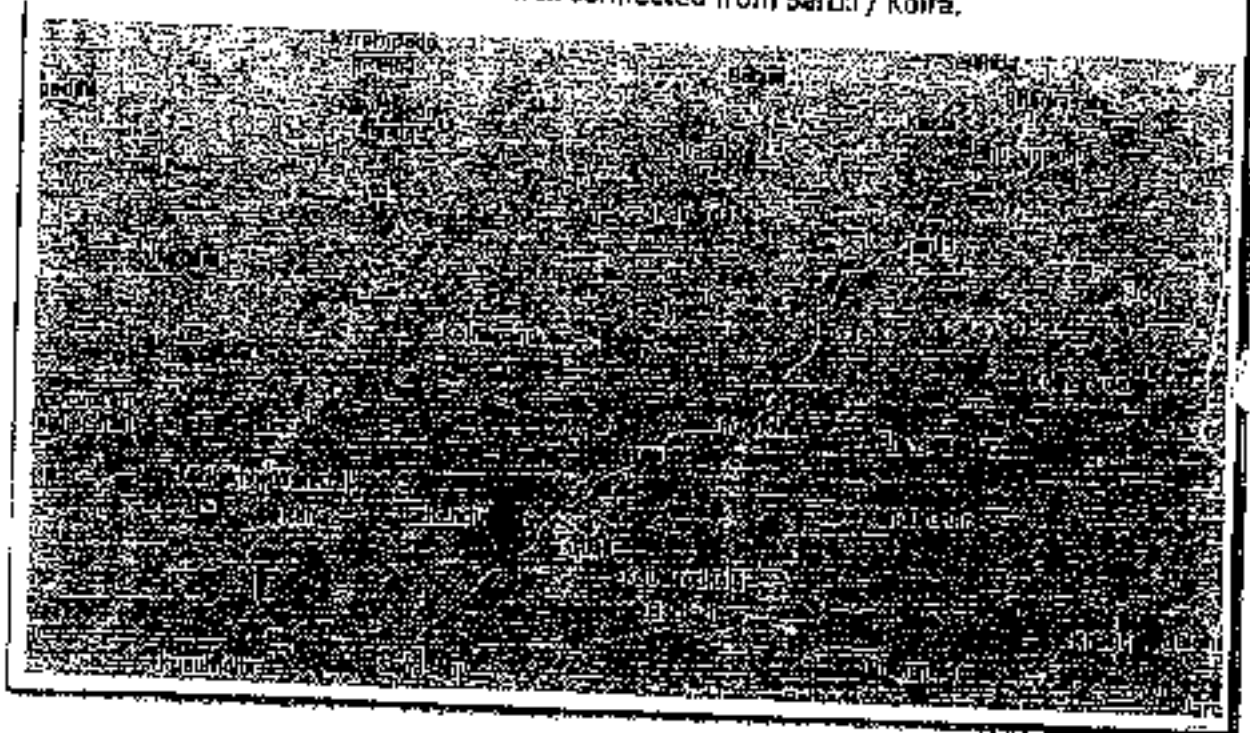
Guali Iron Ore Mines is located at a distance of ~22 km by road on south west of Barbil Town. It is located adjacent to National Highway No 520. The nearest railway station is at Barbil situated on Rajkharasawan-Barajamda-Garoli branch line, about ~22 km by road towards north east of the mine. There is a small airstrip Tanto (with a 3200 ft long



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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runway) 18.0 km by road on north-east of Guali ML area. Nearest airport Jharsuguda is ~128 km by road on west. The mine is well connected from Barbil / Koira.

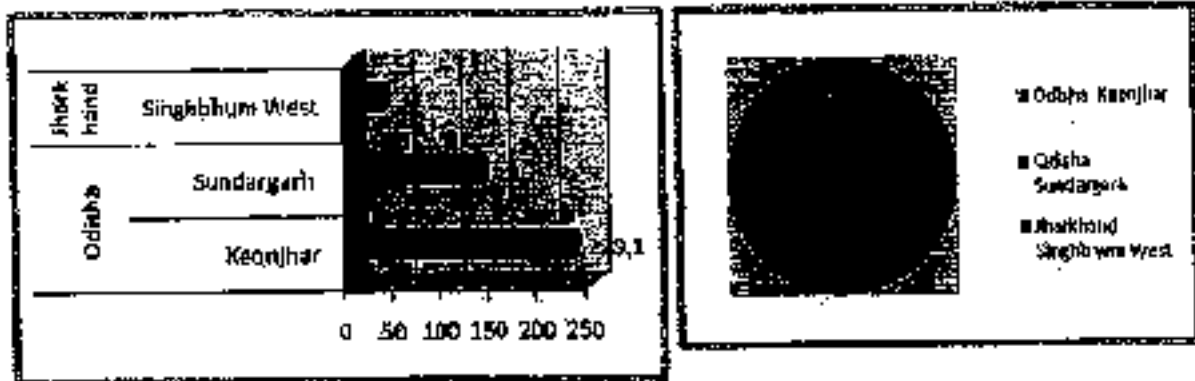


2.2 Zone of Impact:

The Zone of Impact (ZOI) is defined as area coming within 10km radius from the periphery of the project boundary. The area (ZOI) of Guali Iron Ore Mine computed to be 398.30 sq. km. It extends to Jharkhand State (Singhbhum West District). The State / District wise Zone of Impact (ZOI) area is as follows.

Zone of Impact (Area District wise & Forest Division wise)				
State	District	Area in Sq.Km	Percentage	Forest Division
Odisha	Keonjhar	229.10	57.5	Keonjhar
	Sundargarh	136.0	34.1	Sundargarh
Jharkhand	Singhbhum West	33.20	8.3	Chalbasa / Saranda
	Total	398.30	100.0	

Table 4 Zone of Impact area (Area District wise & Forest Division wise)



2.2.1 Status of Overlapping Zone of Impact with other projects

The Mine is located in a massive iron ore belt of Joda- Barbil- Koira- Singhbhum. Numbers of Mining Lease / projects are existing. The mining / industry projects are as follows.

Mining / Industry Projects in ZOI			
Sl No	Name of Mining Lease	Ore category	Present Status on Working
1	M/s KMC Tururi	Iron & Mn	
2	M/s OMC Sererida	Iron & Mn	Non operational
3	M/s TISCO TISCO	Mn	
4	M/s SAIL Bolani	Mn	Temp. Working for Dispatch.
5	M/s TISCO Khandabandh	Iron&Mn	Operational
6	M/s Meja Rai, Jalahari	Iron & Mn	
7	M/s ESSEL Kasia	Iron & Dolomite	Expire
8	M/s R.B.Das Dalpahar	Iron	Operational
9	M/s OMC Guali	Iron	Operational
10	M/s SAIL, Bolani	Iron	Operational
11	M/s MESCO Rolda	Iron	
12	M/s Shri Metaliks, Khandabandh	Iron	Operational
13	M/s D.C.Jain Sidhhamath RE	Iron & Mn	
14	M/s KIS.Alluwalia, Pandulipal	IRON And Mn	Non operational
15	M/s ISW, Nuagaon,	Iron	Operational
16	M/s K. N. Rani Rolda	Iron	Expire
17	M/s KC Pradhan, Lakraghat	Iron	Non operational
18	M/s KC Pradhan, Paradeipur	Iron	Non operational
19	M/s R.B.DasKundurupani	Iron & Mn	Expire
20	M/s SN Paul, Katasahi	Mn	
21	M/s R.P.SaoChormalda	Iron & Mn	Expire



Site Specific Wildlife Conservation Plan for Guadi Iron Ore Mine of OMC Ltd located at village Guadi etc under Barbil Tahasil of District Keonjhar, Odisha.

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22	M/s OMDC Kolharoida	Mn	Expire
23	M/s OMC Roida-Sidhamath	Mn	Non Operational
24	M/s ICC Roida C	Iron & Mn	Operational
25	M/s OMC Tiringpahar	Iron	Operational
26	M/s OMC Khandabandh	Iron	Temp. Working for Despatch
27	M/s T.B.(a) Kasia	Iron	Lapsed vide G.P. No. 3285/2S.4.08 & revision filed
28	M/s Rungta Katasahi	Mn	Expire
29	M/s KC Prachan, Horomota	Iron & Mn	Non operational
30	M/s Arjun Lodha, Horomota	Iron	
31	M/s SN Desmohapatra Katasahi	Mn	Determined Only TOR approved
32	M/s OMC Parullpada	Mn	Non operational
33	M/s OMDC Bhadrasahi	IRON And MN	despatch of un-disposed stock of minerals
34	M/s Deepak Steel, Khandabandh	Iron	
35	M/s FACOR Katasahi	Mn	
36	M/s FACOR Katasahi	Mn	
37	M/s D.C.Jain Block-A, Dalpahar	Iron	Lapsed
38	M/s D.C.Jain Block-B1, Dalpahar	Iron	Lapsed
39	M/s D.C.Jain Block-B2, Dalpahar	Iron	Lapsed
40	M/s D.C.Jain Block-B3, Dalpahar	Iron	Lapsed
41	M/s D.C.Jain Block-C, Dalpahar	Iron	Lapsed
42	M/s RBL Ltd., Katasah & Rudukela	Mn	

Table 5 Mining /industry projects

The location of other mines within ZOI & AZOI is shown in Plate No-II.

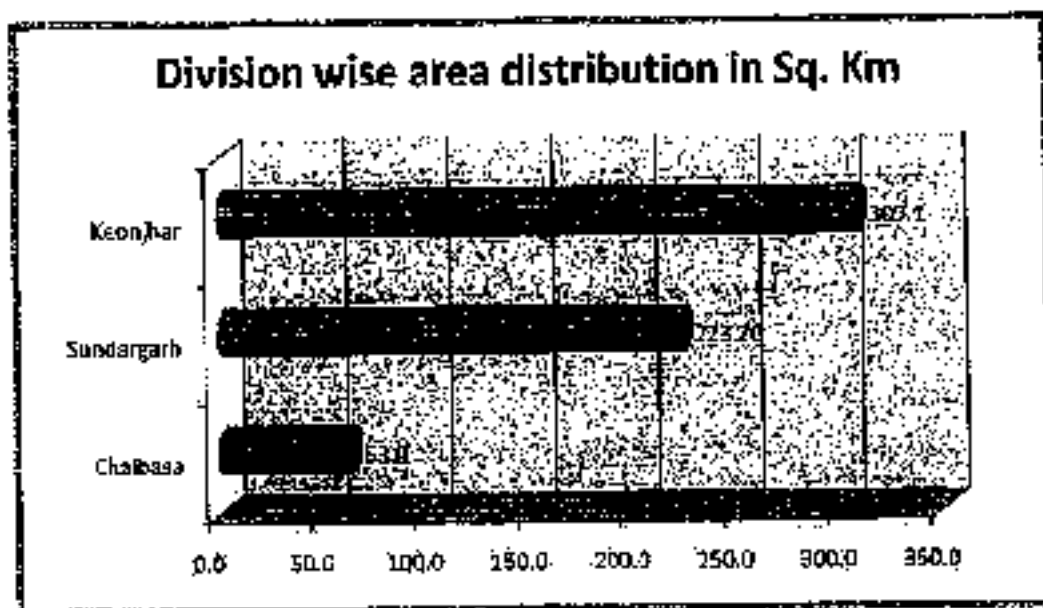
2.2.2 Additional Zone of Impact Considered:

Due to overlapping nature of the Zone of Impact additional Zone of Impact area has been considered for implementation of Interventions for a better wildlife management. Area coming within 10km radius to 17.5 km radius has been taken in to consideration. The additional area is as follows.



Zone of Impact & Additional ZOI (Area District wise & Forest Division wise)						
State	District	ZOI & AZOI Area in Sq. Km				Forest Division
		ZOI	AZOI	Total	%	
Odisha	Keonjhar	229.10	80.00	309.10	51.92	Keonjhar
	Sundargarh	136.0	87.20	223.20	37.49	Sundargarh
Jharkhand	Singhbhum West	33.20	29.80	63.00	10.58	Chaibasa
	Total	398.30	197.00	595.30	100.00	

Table 6 Zone of Impact & Additional ZOI



2.3 Land Use Pattern:

Land use pattern of any project (both Core & buffer) are provides vital information on environmental setting of the locality. For land use pattern study of Core Zone the approved Mining Plan / Scheme is taken in to consideration. In case of Buffer Zone Satellite Imagery analysis is being taken up.

2.3.1 Core Zone:

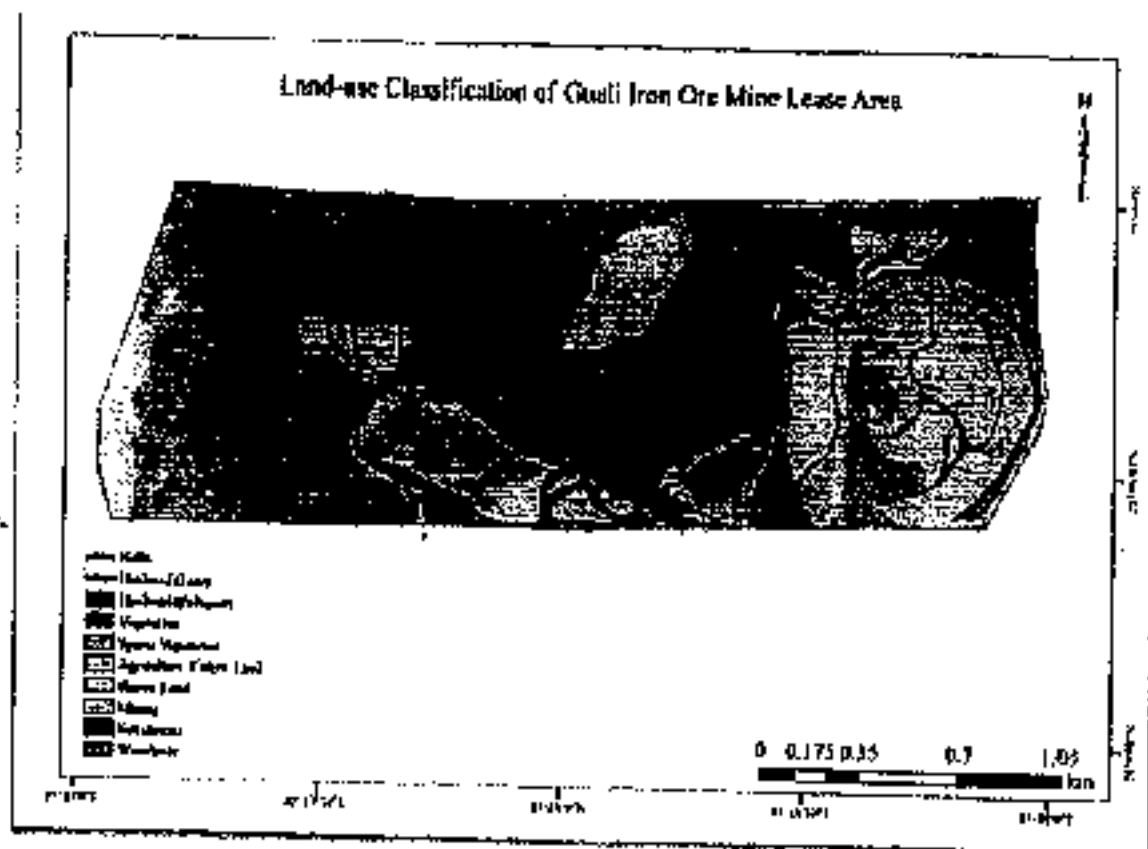
Sl No	Description / Land use	Area in ha		
		start of Plan period	End of Plan period	At Conceptual stage
1	Area under Mining (Excavation)	50.461	115.961	212.270
2	Storage of Top Soil	0.093	0.0	0.0
3	Waste Dump Site	6.959	21.532	56.900
4	Mineral Storage	42.243	66.388	19,190
5	Infrastructure, Work shop, Admin. Building)	4.650	5.186	4.650
6	Roads	32.445	14.995	10.850



7	Railways	0	0	0
8	Safety Zona / Green belt	14.563	14.342	6.469
9	Tailing Pond	0	0	0
10	Effluent Treatment Plant	0	0	0
11	Mineral separation Plant (Crushing / Screening / Slurry Pipeline)	2.706	24.000	29.380
12	Township Area	0	0	0
13	Forest area Diverted but not put to use by previous Lessee	40.372	0	0
14	Area retained for Plantation	0	0	0.763
	Total area utilized	194.692	262.384	340.472
15	Other un utilized area	163.566	95.874	17.786
	G. Total	358.258	358.258	358.258

Table 7 Land use pattern (Core Zone)

(Total Area as per RoR & DGPS: 358.258 ha but lease document is over 365.026ha)



2.3.2 Zone of Impact (Buffer Zone):

The Land use pattern of Zone of Impact has been studied by Analysis of Satellite Imagery. The land use pattern is as follows.



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Sl No	Land Use Pattern	Area in Sq. Km			Total	Percentage
		Keonjhar	Sundargarh	Jharkhand		
1	Agricultural Crop land	32.014	28.464	9.716	70.194	17.62
2	Ag. Plantation	0	0.130	0	0.13	0.03
3	Built up area (Mining / Industries)	9.609	6.473	0	16.032	4.03
4	Dense Forest	42.710	24.287	19.295	86.292	21.67
5	Open forest	49.880	15.577	0.687	66.144	16.61
6	Shifting Cultivation	0.740	0.002	0	0.742	0.19
7	Scrub Forest	16.459	10.139	2.664	29.272	7.35
8	Settlement	6.297	3.088	0.659	10.044	2.52
9	Tree Cover (TOF)	31.767	26.737	0.008	58.512	14.69
10	Waste Land (Gullied / Ravine)	0	0.422	0	0.422	0.11
11	Waste Land Dense	13.801	4.343	0	18.144	4.56
12	Waste Land Open	24.694	15.091	0	39.785	9.99
13	Water body (Lake / Pond)	0.060	0.141	0.162	0.363	0.09
14	River / Streams	1.024	0.612	0	1.636	0.41
15	Road	0.035	0.541	0.005	0.581	0.15
16	Railway	0	0.003	0.004	0.007	0.00
	Total	229.10	136.0	33.20	398.3	100.00

Table 8 Land use pattern (Buffer zone)

Broad land use pattern (ZOI) is as given below

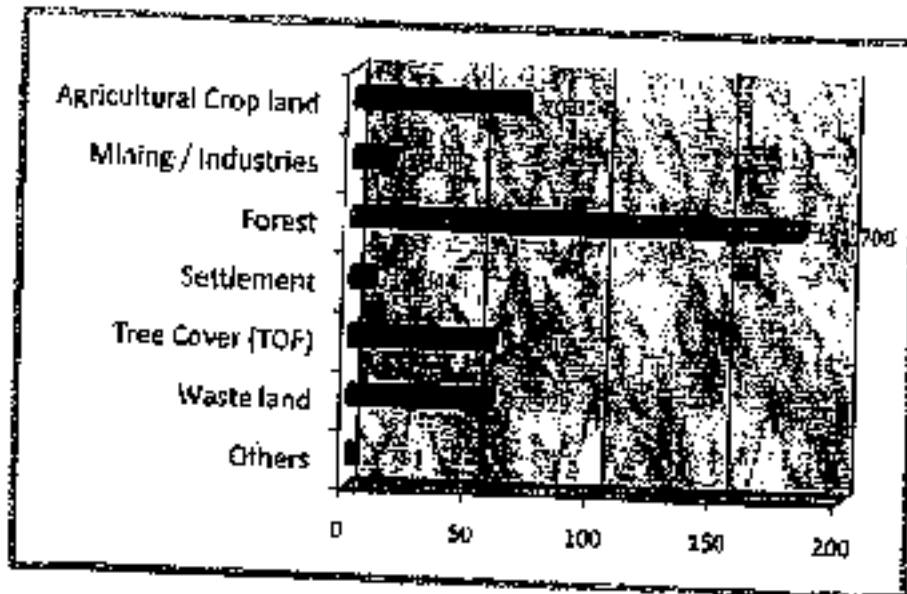
Sl No	Land use pattern	Area in Sq. km	Percentage
1	Agricultural Crop land	70.324	17.65
2	Mining / Industries	16.032	4.03
3	Forest	181.708	45.63
4	Settlement	10.044	2.52
5	Tree Cover (TOF)	58.512	14.69
6	Waste land	57.929	14.55
7	Others	3.751	0.93

Table 9 Broad land use pattern (ZOI)



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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2.3.3 Land Use Pattern (Add ZOI)

The additional Zone of Impact (197 Sq. Km) has also been analyzed and the land use pattern is as follows.

Sl No	Land Use Pattern	AZOI Area in Sq. Km			Total	Percentage
		Keonjhar	Sundargarh	Jharkhand		
1	Agricultural Crop land	7.428	25.862	1.859	35.149	17.84
2	Ag. Plantation	0	0.156	0	0.156	0.08
3	Built up area (Mining / Industries)	10.15	3.758	0	13.908	7.06
4	Dense Forest	2.388	22.226	27.498	52.112	26.45
5	Open Forest	6.654	4.602	0	11.256	5.71
6	Shifting Cultivation	0	0	0	0	0.00
7	Scrub Forest	10.027	2.706	0	12.733	6.46
8	Settlement	5.632	1.935	0.431	7.998	4.06
9	Tree Cover (TOF)	6.991	19.439	0.007	26.437	13.42
10	Waste Land (Gullied / Ravine)	0	0.066	0	0.066	0.03
11	Waste Land Dense	6.694	2.381	0	9.075	4.61
12	Waste Land Open	23.507	3.573	0	27.08	13.75
13	Water body (Lake / Pond)	0.237	0.183	0	0.42	0.21
14	River / Streams	0.287	0.308	0	0.595	0.30
15	Road	0.005	0.004	0.004	0.013	0.01
16	Railway	0	0.001	0.001	0.002	0.00
	Total	80.0	87.2	29.8	197.0	100.00

Table 10 Land use pattern (Additional ZOI)



2.3.4 Consolidated Land Use Pattern:

The consolidated land use pattern (area within 12.5km radius) is as follows.

Sl No	Land Use Pattern	Area in Sq. Km			Percentage
		ZOI	AZOI	Total	
1	Agricultural Crop land	70.194	35.149	105.343	17.7
2	Ag. Plantation	0.13	0.156	0.286	0.0
3	Built up area (Mining / Industries)	16.082	13.908	29.94	5.0
4	Dense Forest	86.292	52.112	138.404	23.2
5	Open Forest	66.144	11.256	77.4	13.0
6	Shifting Cultivation	0.742	0	0.742	0.1
7	Scrub Forest	29.272	12.733	42.005	7.1
8	Settlement	10.044	7.998	18.042	3.0
9	Tree Cover (TOF)	58.512	26.437	84.949	14.3
10	Waste Land (Gullied / Ravine)	0.422	0.066	0.488	0.1
11	Waste Land Dense	18.144	9.075	27.219	4.6
12	Waste Land Open	39.785	27.08	66.865	11.2
13	Water body (Lake / Pond)	0.363	0.42	0.783	0.1
14	River / Streams	1.636	0.595	2.231	0.4
15	Road	0.581	0.013	0.594	0.1
16	Railway	0.007	0.002	0.009	0.0
	Total	398.3	197.0	595.300	100.0

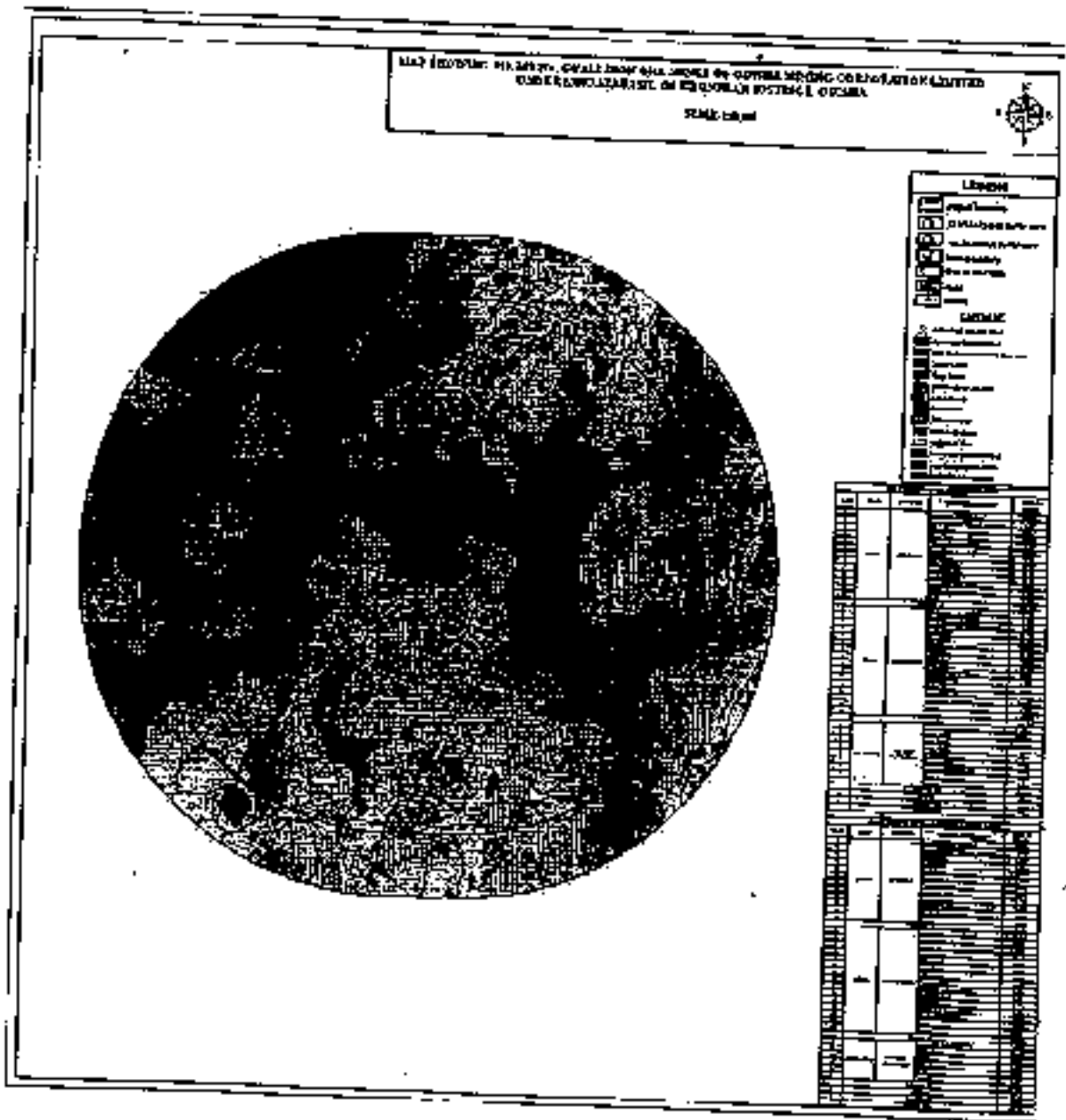
Table 11. Consolidated land use pattern.

It is observed that Forest is the main land use pattern in the ZOI & AZOI followed by Agriculture. Waste land constitutes 3rd land use pattern. Mining & Industrial infrastructure occupies 5% of the land where as habitation is confined to only 3% of the area.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahsil of District Keonjhar, Odisha.

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2.4 Habitation:

2.4.1 Core Zone:

The Mining Lease area covers five villages. The demographic profile as per 2011 Census is as furnished below.

Sl No	Village	No. HH	TOT_P	TOT_M	TOT_F	P_SC	P_ST	P_LIT
1	Guali	325	1740	1063	677	359	645	1099
2	Laidapada	283	1393	822	571	93	677	866
3	Parudiposi	217	954	451	503	2	347	562
4	Rugudidihi	158	648	331	317	29	337	289
5	Topadihi	234	1042	656	386	26	768	597
	Total	1217	5777	3323	2454	509	2774	3413
	Percentage			57.5	42.5	8.8	48.0	59.1

Table 12 Demographic profile of Core zone

2.4.2 Habitation - Zone of Impact:

There are 33 villages within ZOI (16 villages in Keonjhar District and 17 villages in Sundargarh District). The abstract of demographic profile as per 2011 Census is as furnished below.

Abstract Demographic profile (ZOI)								
District	Village	No. HH	TOT_P	TOT_M	TOT_F	P_SC	P_ST	P_LIT
Sundargarh	17	4264	17598	9096	8502	1380	11103	8993
Keonjhar	16	3039	14143	7016	6527	1047	8542	7313
G.Total	33	7303	31741	16712	15029	2427	19645	16306
Percentage				52.65	47.35	7.65	61.89	51.37

Table 13 Abstract of Demographic profile (ZOI)

From the above data it is observed that the total population within Zone of Impact is 31,741 in 7,303 household (Family size >4). The male & female ratio is 899 female per 1000 male, which is very low and a matter of concern. The ST population constitutes about 61.89% (19645) and SC population is 7.65% (2427). The literacy percentage is about 51.37% which is also low in comparison to District average / State average.



Demographic Profile of ZOI, Guali Iron Ore mine



- SC
- ST
- Others

The tract is mostly a tribal belt

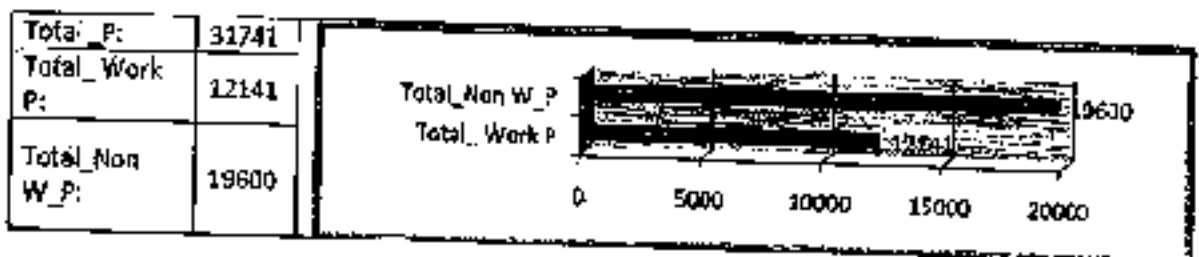
2.4.3 Occupational Profile (Zone of Impact):

Abstract of Occupational Profile (ZOI)									
District	Village	TOT WORK P	MAIN WORK P	MAIN CL P	MAIN AL P	MAIN HH P	MAIN OT P	MARG WORK P	NON WORK P
Sundargarh	17	6528	4976	478	100	31	4364	1552	11070
Keonjhar	16	5613	4322	585	321	90	3326	1291	8530
G.Total	33	12141	9298	1063	421	124	7690	2843	19600
Percentage		38.25	76.58	8.76	3.47	1.02	63.34	23.42	61.75

Table 14 Occupation profile (ZOI)

From the occupational profile study, it is observed that out of total population (31,741) work population is 12,141 (38.25%) and non work population is 19,600 (61.75%).

Out of total work Population (12,141), main workers (9,298) and marginal workers (2,843). Main workers are classified as Cultivators, Agricultural labours, own House Hold work / profession and other trades. It is found that 8.76% of work population are cultivators, 3.47% are agricultural labours. Total population involved in agriculture is only 12.23%. Own house-hold profession is 1.02% only. Massive work force is in other trades which is mainly mining and ancillary activities.





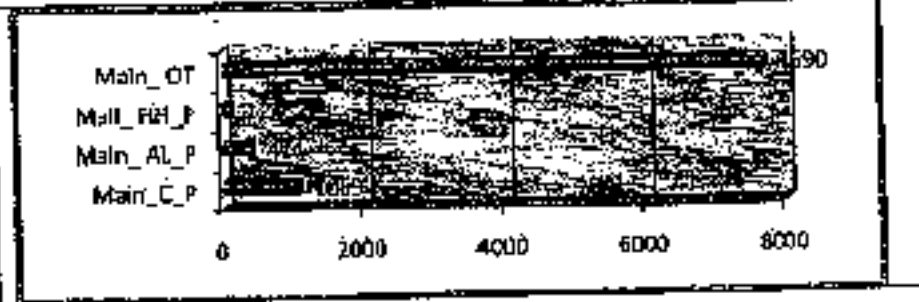
Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc. under Barbil Tahasil of District Keonjhar, Odisha.

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Total Work F:	12141
Main W_P	9298
MARG WORK_P	2843



Main W_P	9298
Main C_P	1053
Main_AL_P	421
Main_HH_P	124
Main_OT	7690



2.4.4 Habitation in Additional ZOI:

Due to overlapping nature of Zone of Impact, additional ZOI has been considered. Area coming within 10 Km radius to 12.5km radius is taken as additional Zoi. The total area within the AZOI is 197.0sq.Km. There are 29 villages (Keonjhar District: 13, Sundergarh Dist: 16). The demographic profile of AZOI is as furnished below (as per 2011 Census).

Sl.no	District	Village No	No_HH	TOT_P	TOT_M	TOT_F	P_5C	P_ST	P_LIT
1	Keonjhar	13	2893	13179	6578	6601	902	8763	6283
2	Sundergarh	16	5582	22375	11876	10499	2073	11373	12830
G.Total		29	8475	35554	18454	17100	2975	20136	19113
Percentage					51.90	48.10	8.37	56.63	53.76

Table 15 Abstract of Demographic profile (AZOI)

2.4.5 Occupational Profile Additional ZOI:

The abstract of occupational profile as per 2011 census in respect of AZOI is furnished below.

District	village	TOI_WORK_P	MAIN_WORK_P	MAIN_CL_P	MAIN_AL_P	MAIN_HH_P	MAIN_OT_P	MARG_WORK_P	NON_WORK_P
Keonjhar	13	5654	2735	620	207	41	1868	2917	7525
Sundergarh	16	8605	6686	288	82	19	6297	1919	13770
G.Total		29	14259	908	289	60	8165	4836	21295
Percentage			40.10	6.37	2.03	0.42	57.28	33.92	59.89

Table 16 Abstract of Occupation Profile (AZOI)

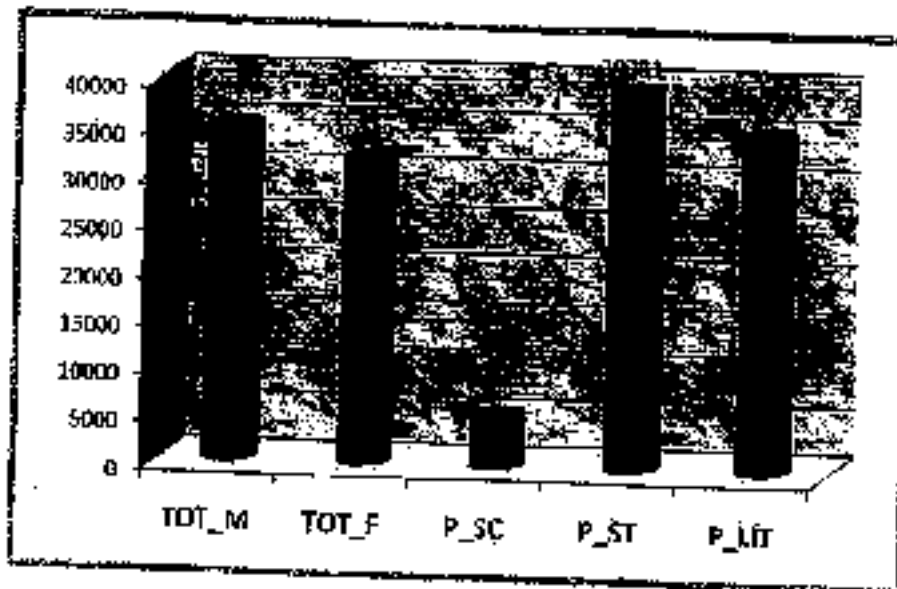


2.4.6 Consolidated Demographic & Occupational Profile:

The demographic profile / Occupational profile for area coming less than 12.5km radius (Except villages coming within Jharkhand State) is furnished below.

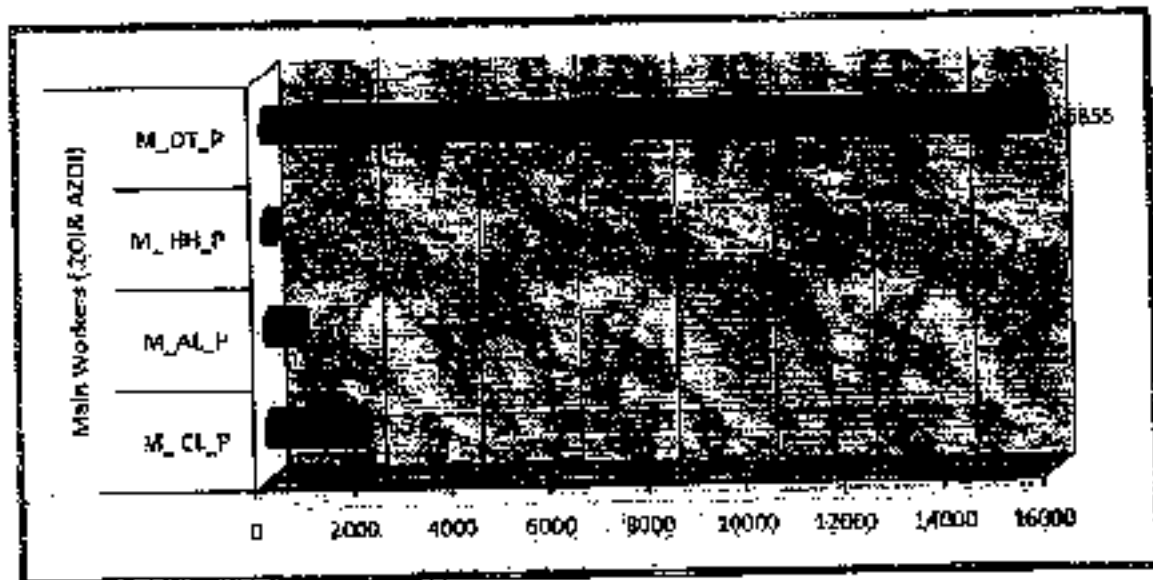
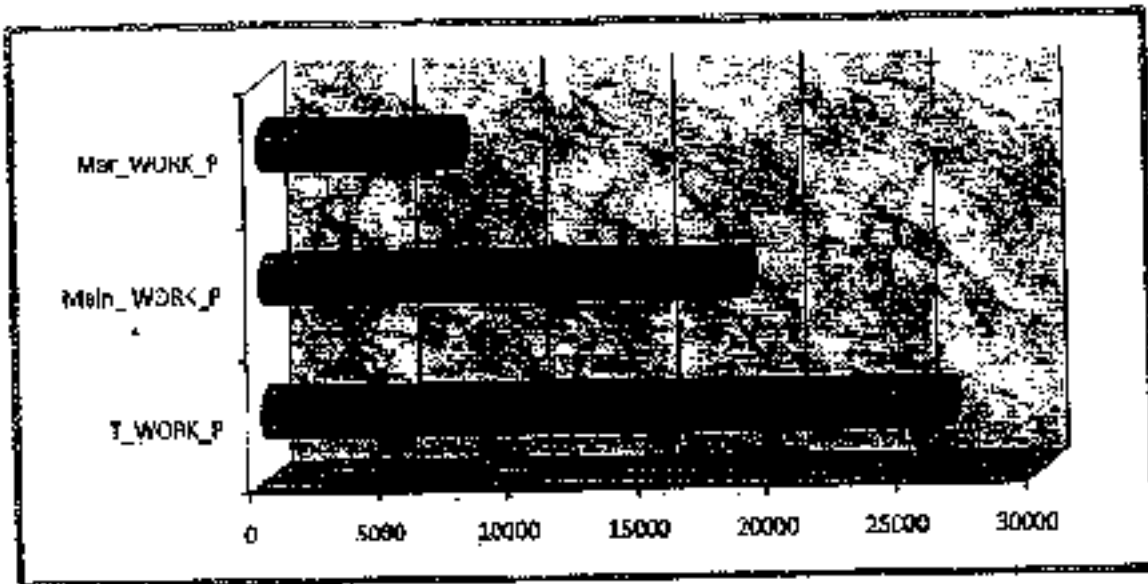
Abstract of Demographic profile (ZOI & AZOI)									
Sl.no	Area under	Village No	No_HH	TOT_P	TOT_M	TOT_F	P_SC	P_ST	P_LIT
1	ZOI	33	7303	31741	16712	15029	2427	19645	16306
2	AZOI	29	8475	35554	18454	17100	2975	20136	19113
Total		62	15778	67295	35166	32129	5402	39781	35419
Percentage					52.26	47.74	8.03	59.11	52.63

Table 17 Consolidated Demographic profile



Abstract of Occupational profile (ZOI & AZOI)										
Sl.no	Area Under	Village No	TOT_WORK_P	MAIN_WORK_P	MAIN_CL_P	MAIN_AL_P	MAIN_HH_P	MAIN_OT_P	MARG_WORK_P	NON_WORK_P
1	ZOI	33	12141	9298	1063	421	124	7690	2843	19600
2	AZOI	29	14259	9422	908	289	60	8165	4836	21295
Total		62	26400	18720	1971	710	184	15855	7679	40895
Percentage			39.23	27.82	2.93	1.06	0.27	23.56	11.41	60.77

Table 18 Consolidated occupation profile



From the above analysis it is clearly Inferred that people are shifting from agricultural activities towards other trades mostly mining and allied activities.

2.5 Flora & Fauna:

The flora & fauna of both Core and Buffer Zone (10km radius area from project periphery) has been studied as per stipulated condition 18 of Standard ToR for Mining project. The list of flora and fauna for core and buffer zone has been authenticated by DFO, Keonjhar vide letter no 8040/6F-Mining-16/2021 dated 13.11.2021 and copy enclosed as Annexure VI. The schedule as per Wildlife (Protection) Act, 1972 has been indicated in the list / table furnished at Para 2.5.3 and 2.5.4



2.5.1 (Flora) Core Zone:

Local Name/Common Name	Botanical Name	Family
TREES		
Acada/Sunajhari	<i>Acacia auriculiformis</i>	Fabaceae
Amba	<i>Mangifera indica</i>	Anacardiaceae
Amla	<i>Emblica officinalis</i>	Euphorbiaceae
Anchu	<i>Morinda tinctoria</i>	Rubiaceae
Ankula	<i>Alangium salvifolium</i>	Alangiaceae
Arjuna	<i>Terminalia arjuna</i>	Combretaceae
Asara	<i>Terminalia alata</i>	Combretaceae
Bahula	<i>Terminalia bellerice</i>	Combretaceae
Barakoi	<i>Ziziphus mauritiana</i>	Rhamnaceae
Baruna	<i>Crataeva religiosa</i>	Capparidaceae
Banabhalla	<i>Semecarpus anacardium</i>	Anacardiaceae
Behanta	<i>Linnaea acidissima</i>	Rutaceae
Bheru	<i>Chloroxylon swietenia</i>	Rutaceae
Char	<i>Buchanania Lonzon</i>	Anacardiaceae
Chhalian	<i>Alistonia scholaris</i>	Apocynaceae
Chhulpatuali	<i>Stempermum angustifolium</i>	Bigoniaceae
Dhalasiris, Tentra	<i>Albizia procera</i>	Mimosaceae
Dhaman	<i>Grewia tiliaefolia</i>	Tiliaceae
Dhaura	<i>Anogeissus latifolia</i>	Combretaceae
Dimiri	<i>Ficus glomerata</i>	Moraceae
Gambhari	<i>Gmelina arborea</i>	Verbenaceae
Gandhapa es	<i>Millettia velutina</i>	Annonaceae
Hald	<i>Adina cordifolia</i>	Rubiaceae
Harida	<i>Terminalia chebula</i>	Combretaceae
Jamun	<i>Syzygium cumini</i>	Myrtaceae
Kadamb	<i>Anthocephalus cadamba</i>	Rubiaceae
Kalucha	<i>Glochidion lanceolatum</i>	Euphorbiaceae
Kamaigundi	<i>Molloutus philippensis</i>	Euphorbiaceae
Kanchan	<i>Bauhinia racemosa</i>	Caesalpiniaceae
Karada	<i>Cleistanthus collinus</i>	Euphorbiaceae
Karanja	<i>Pongamia pinnata</i>	Fabaceae
Kasi	<i>Aristelia retusa</i>	Euphorbiaceae
Katrang	<i>Gardenia latifolia</i>	Rubiaceae



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Kendu	<i>Diospyros melanoxylon</i>	Ebenaceae
Kumbhi	<i>Careya arborea</i>	Lecythidaceae
Kusuma	<i>Schleichera oleosa</i>	Sapindaceae
Mahul	<i>Madhuca latifolia</i>	Sapotaceae
Mai	<i>Lancea coromandelica</i>	Anacardiaceae
Mankada kendu	<i>Diospyros embryopteris</i>	Ebenaceae
Neem	<i>Azadirachta indica</i>	Meliaceae
Panigambati	<i>Trewia nudiflora</i>	Euphorbiaceae
Panipatuli	<i>Lagerstromia speciosa</i>	Lythraceae
Piasal	<i>Pterocarpus marsupium</i>	Fabaceae
Radhachuda	<i>Peltaphorum pterocarpum</i>	Fabaceae
Rai	<i>Dillenia pentagyna</i>	Dilleniaceae
Rohini	<i>Saymida febrifuga</i>	Meliaceae
Saguan/Teak	<i>Tectona grandis</i>	Lamiaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Salai	<i>Boswellia serrata</i>	Burseraceae
Sana Chakhunda	<i>Cassia siamea</i>	Fabaceae
Slall	<i>Bauhinia varillii</i>	Fabaceae
Sidha	<i>Lagerstromia parviflora</i>	Lythraceae
Semul	<i>Bombax ceiba</i>	Bombacaceae
Sris	<i>Albizia lebbek</i>	Mimosaceae
Sisoo	<i>Dalbergia sissoo</i>	Fabaceae
Sunati	<i>Cassia fistula</i>	Fabaceae
GRASSES		
Bena	<i>Vitiveria zizanioides</i>	Gramineae
Duba	<i>Cynodon dactylon</i>	Gramineae
Khara	<i>Cymbopogon Spp</i>	Poaceae
Nalia	<i>Myriostachya wightiana</i>	Poaceae
Panighasa	<i>Eragrostis Spp.</i>	Poaceae
SHRUBS/HERBS		
Agnijat	<i>Vernonia cinerea</i>	Asteraceae
Anantamula	<i>Memecisus indicus</i>	Asclepiadaceae
Arakha	<i>Calotropis procera</i>	Asclepiadaceae
Dajramull	<i>Sida spinosa</i>	Malvaceae
Banachkreita	<i>Leea asiatica</i>	Vitaceae
Baribiri	<i>Vigna radiata</i>	Fabaceae



Banchakhunda	<i>Cassia tora</i>	Caesalpinaceae
Basanga	<i>Adhatoda vasica</i>	Acanthaceae
Bholupadi, Lantana	<i>Lantana camara</i>	Verbenaceae
Bisaljalarani	<i>Tridax procumbens</i>	Asteraceae
Chiani	<i>Clerodendrum inerme</i>	Verbenaceae
Dhatiki	<i>Woodfordia fruticosa</i>	Lythraceae
Dhatuki	<i>Woodfordia fruticosa</i>	Lythraceae
Eupatorium	<i>Eupatorium perfoliatum</i>	Asteraceae
Gangoi	<i>Melastoma malabathricum</i>	Melastomataceae
Gayatulasi	<i>Leucas aspera</i>	Lamiaceae
Isvarjata	<i>Celosia cristata</i>	Amaranthaceae
Kamini	<i>Murraya exotica</i>	Rutaceae
Kurei	<i>Holarhena antidysenterica</i>	Apocynaceae
Kunuda	<i>Gardenia gummifera</i>	Rubiaceae
Mingichra, Baranga	<i>Grewia elastica</i>	Tiliaceae
Mossu	<i>Aporosa dioica</i>	Phyllanthaceae
Murarphal	<i>Helicteres isora</i>	Sterculiaceae
Nahalbeil	<i>Cipadessa baccifera</i>	Meliaceae
Sablia	<i>Actinodaphne angustifolia</i>	Lauraceae
Salra	<i>Contundaria rotans</i>	Rubiaceae
Sunaragada	<i>Grewia helicterifolia</i>	Tiliaceae
CLIMBERS		
Atundi	<i>Combretum decandrum</i>	Combretaceae
Badichand	<i>Synphorea polyandrum</i>	Combretaceae
Ba danka	<i>Mucuna pruriens</i>	Fabaceae
Bana alu	<i>Dioscorea hispida</i>	Dioscoreaceae
Bankunduru	<i>Trichosanthes cucumerina</i>	Cucurbitaceae
Dantari	<i>Acacia pennata</i>	Mimosaceae
Kasa-alu	<i>Dioscorea pubera</i>	Dioscoreaceae
Kunjajata	<i>Ipomoea quamoclit</i>	Convolvulaceae
Lata palas	<i>Butea parviflora</i>	Fabaceae
Wanda	<i>Milletta racemosa</i>	Fabaceae
Matka	<i>Solenia amplexicaulis</i>	Cucurbitaceae
Muturi	<i>Smilax macrophylla</i>	Smilacaceae
Nentel	<i>Caesalpinia crista</i>	Caesalpinaceae
Nirmuli	<i>Cuscuta Spp.</i>	Cuscutaceae
Palasa lata	<i>Butea superba</i>	Fabaceae



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Pani alu	<i>Dioscorea oppositifolia</i>	Dioscoreaceae
Bichhuati	<i>Urtica dioica</i>	Euphorbiaceae
Motari	<i>Smilax macrophylla</i>	Smilacaceae
Slali	<i>Bauhinia vahlii</i>	Fabaceae
Satabari	<i>Asparagus racemosus</i>	Asparagaceae

Table 19 Flora (Core zone)

2.5.2 (Flora) Zone of Impact (Buffer Zone):

Local Name/Common Name	Botanical Name	Family
TREES		
Acacia/Sanjhari	<i>Acacia auriculiformis</i>	Fabaceae
Amia	<i>Mangifera indica</i>	Anacardiaceae
Anchu	<i>Morinda toctoria</i>	Rubiaceae
Amla	<i>Emblica officinalis</i>	Euphorbiaceae
Aukula	<i>Aleongium salvifolium</i>	Alangiaceae
Arjuna	<i>Terminalia arjuna</i>	Combretaceae
Aswaththa	<i>Ficus religiosa</i>	Moraceae
Asana	<i>Terminalia elata</i>	Combretaceae
Bada Chakunda/Rain Tree	<i>Samania saman</i>	Fabaceae
Bahada	<i>Terminalia bellerice</i>	Combretaceae
Bara	<i>Ficus benghalensis</i>	Moraceae
Barakoli	<i>Ziziphus mauritiana</i>	Rhamnaceae
Gartha	<i>Crataeva religiosa</i>	Capparidaceae
Baala	<i>Mimusops elengi</i>	Sapotaceae
Banabhalla	<i>Semecarpus gracordiam</i>	Anacardiaceae
Bela	<i>Aegle marmelos</i>	Rutaceae
Behenta	<i>Limonia acidissima</i>	Rutaceae
Bheru	<i>Chloroxylon swietenia</i>	Rutaceae
Chakunga	<i>Samania saman</i>	Fabaceae
Champa	<i>Michelia champaca</i>	Magnoliaceae
Char	<i>Buchanania lanzan</i>	Anacardiaceae
Chhatlan	<i>Astoria scholaris</i>	Apocynaceae
Chauli	<i>Cassine glauca</i>	Celastraceae
Chhotarai	<i>Dillenia puera</i>	Dilleniaceae
Chhulipatali	<i>Stereospermum angustifolium</i>	Bignoniaceae
Debdaru	<i>Polyalthia longifolia</i>	Annonaceae
Dhakasris, Tendra	<i>Albizia procera</i>	Mimosaceae



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Palash	<i>Butea monosperma</i>	Fabaceae
Paldhwa	<i>Eythia indica</i>	Fabaceae
Paras	<i>Artocarpus heterophyllus</i>	Moraceae
Panigambari	<i>Trewia nudiflora</i>	Euphorbiaceae
Panipatuli	<i>Lagerstroemia speciosa</i>	Lythraceae
Pisal	<i>Pterocarpus marsupium</i>	Fabaceae
Pitmal	<i>Garuga pinnata</i>	Burseraceae
Radhachuda	<i>Peltaphorum pterocarpum</i>	Fabaceae
Rai	<i>Dillenia pentagyna</i>	Dilleniaceae
Rohini	<i>Sonnchida febrifuga</i>	Meliceae
Saguan / Teak	<i>Tectona grandis</i>	Lamiaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Salai	<i>Boswellia serrata</i>	Burseraceae
Sana-Chakunda	<i>Cassia siamea</i>	Fabaceae
Siall	<i>Bouhinia vahlii</i>	Fabaceae
Sidha	<i>Lagerstroemia parviflora</i>	Lythraceae
Sinli	<i>Bombax ceiba</i>	Bombacaceae
Siris	<i>Albizia lebbek</i>	Mimosaceae
Sisoo	<i>Dalbergia sisoo</i>	Fabaceae
Sunari	<i>Cassia fistula</i>	Caesalpinaceae
Tentuli	<i>Tamarindus indica</i>	Caesalpinaceae
GRASSES		
Bena	<i>Vitiverla zizanioides / Chrysopogon zizanioides</i>	Gramineae
Duba	<i>Cynodon dactylon</i>	Poaceae
Khara	<i>Imperata cylindrica</i>	Poaceae
Naia	<i>Myriostachya wightiana</i>	Poaceae
Panighasa	<i>Eragrostis sp</i>	Poaceae
Pilujhadu	<i>Thysanotera maxima</i>	Poaceae
Sabai	<i>Eulalia bunara</i>	Poaceae
SHRUBS		
Agabadhwa	<i>Prerna obtusifolia</i>	Lamiaceae
Ankhuikoll	<i>Carissa opaca</i>	Apocynaceae
Arakha	<i>Calotropis gigantea</i>	Asclepiadaceae
Asadhua	<i>Capparis zeylanica</i>	Capparidaceae
Babinnait	<i>Jasminum arborescens</i>	Verbenaceae
Baigaba	<i>Jatropha gossypifolia</i>	Euphorbiaceae



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Ba tachireita	<i>Leuca asictia</i>	Vitaceae
Banbici	<i>Vigna radiata</i>	Fabaceae
Banchakunda	<i>Cassia tora</i>	Caesalpiniaceae
Bogunia	<i>Vitex negundo</i>	Olacaceae
Bhabhadalia	<i>Olax scandens</i>	Olacaceae
Bheisinga	<i>Murraya koenigii</i>	Rutaceae
Bholupadi, Lantana	<i>Lantana camara</i>	Verbenaceae
Chiani	<i>Clerodendrum inerme</i>	Verbenaceae
Gangoi	<i>Melastoma malabothricum</i>	Melastomataceae
Kamini	<i>Murraya exotica</i>	Rutaceae
Kantiakoilk	<i>Ziziphus oenoplia</i>	Rhamnaceae
Kaskashari	<i>Ficus parasitica</i>	Moraceae
Kathamajuzel	<i>Lawsonia inermis</i>	Lythraceae
Kharkhari	<i>Clerodendrum viscosum</i>	Verbenaceae
Koli	<i>Carissa carandas</i>	Apocynaceae
Kuruda	<i>Gardenia gummifera</i>	Rubiaceae
Kurmi	<i>Isotriaena antidysenterica</i>	Apocynaceae
Lal-hikenda	<i>Jatropha gossypifolia</i>	Euphorbiaceae
Lantajula	<i>Ricinus communis</i>	Euphorbiaceae
Milgicha, Baranga	<i>Grewia elastica</i>	Tiliaceae
Mossu	<i>Apocosa ullica</i>	Phyllanthaceae
Muraphal	<i>Hefcleres Isora</i>	Sterculiaceae
Nahalbell	<i>Cipadessa baccifera</i>	Meliaceae
Sabla	<i>Actinodaphne angustifolia</i>	Lauraceae
Saire	<i>Eclipta prostrata</i>	Rubiaceae
Sunaragada	<i>Grewia helicterifolia</i>	Tiliaceae
Herbs		
Agnifal	<i>Vernonia cinerea</i>	Asteraceae
Anantacula	<i>Hemidesmus indicus</i>	Asclepiadaceae
Rajramoli	<i>Sida spinosa</i>	Maliaceae
Banachanda	<i>Cleome viscosa</i>	Cleomaceae
Banhaldi	<i>Curcuma aromatica</i>	Zingiberaceae
Baricha	<i>Leonotis nepetifolia</i>	Lamiaceae
Basanga	<i>Jussiaea ulhatoda</i>	Acanthaceae
Bhu-facna	<i>Phyllanthus niruri</i>	Phyllanthaceae
Bhuin-neem	<i>Andrographis paniculata</i>	Acanthaceae
Bisalyakarani	<i>Tridax procumbens</i>	Asteraceae



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Uhatiki	<i>Woodfordia fruticosa</i>	Lythraceae
Gayatalasi	<i>Leucas aspera</i>	Lamiaceae
Maldigundi	<i>Spilanthes calva</i>	Asteraceae
Iswarjata	<i>Celastris cristata</i>	Amaranthaceae
Kharkias	<i>Trema orientale</i>	Cannabaceae
Lajwanti	<i>Mimosa pudica</i>	Mimosaceae
Madanga	<i>Loranthus spp.</i>	Loranthaceae
Mayurachulia	<i>Celastris argentea</i>	Amaranthaceae
Salparni	<i>Desmodium gangeticum</i>	Fabaceae
Shalkanta	<i>Argemone mexicana</i>	Papaveraceae
Talmuli	<i>Cucurbita archaides</i>	Cucurbitaceae
Tulsi	<i>Ocimum sanctum</i>	Lamiaceae
CUMBERS & UANAS		
Akanbhindi	<i>Cissampelos pareira</i>	Menispermaceae
Anantmula	<i>Hemidesmus indicus</i>	Asclepiadaceae
Aitundi	<i>Combretum decandrum</i>	Combretaceae
Badichand	<i>Symphorema polyanthum</i>	Verbenaceae
Bahumuga	<i>Flagellaria indica</i>	Flagellariaceae
Ban alua	<i>Amariphallus bulbifer</i>	Arecaceae
Bana alu	<i>Dioscorea hispida</i>	Dioscoreaceae
Bankunduru	<i>Trichosanthes cucumerina</i>	Cucurbitaceae
Bichuati	<i>Tropaeolum invaluatum</i>	Euphorbiaceae
Bidanka	<i>Mucuna monosperma</i>	Papilionaceae
Dantari	<i>Aecyia pennata</i>	Mimosaceae
Durankaili	<i>Opilia amentacea</i>	Opiliaceae
Durkeli	<i>Erythraea paniculata</i>	Convolvulaceae
Gohirakanta	<i>Dalbergia spinosa</i>	Fabaceae
Gopakanthu	<i>Cryptolepis buchananii</i>	Asclepiadaceae
Kalicha	<i>Abrus precatorius</i>	Fabaceae
Kalakatirani	<i>Derris trifoliata</i>	Fabaceae
Kankada	<i>Momordica charantia</i>	Cucurbitaceae
Kathakatiarani	<i>Dalbergia candenatensis</i>	Fabaceae
Khamba Alu	<i>Dioscorea alata</i>	Dioscoreaceae
Kosa-aku	<i>Dioscorea pubera</i>	Dioscoreaceae
Kunjilata	<i>Ipomoea quamoclit</i>	Convolvulaceae
Latapals	<i>Butea parviflora</i>	Fabaceae
Marda	<i>Milletia racemosa</i>	Fabaceae



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Matka	<i>Solenia amplicaulis</i>	Cucurbitaceae
Muturi	<i>Smilax macrophylla</i>	Smilacaceae
Mentel	<i>Caesalpinia urida</i>	Caesalpiniaceae
Nirmuli	<i>Cuscuta spp.</i>	Cuscutaceae
Parasa Leta	<i>Butea superba</i>	Fabaceae
Pani alu	<i>Dioscorea oppositifolia</i>	Dioscoreaceae
Pidhuli	<i>Gouania leptostachya</i>	Rhamnaceae
Ragidi	<i>Pentstemon capensis</i>	Asclepiadaceae
Satabari	<i>Asparagus racemosus</i>	Liliaceae
Slali	<i>Bauhinia varii</i>	Caesalpiniaceae

Table 20 Flora (Buffer Zone)

2.5.3 Fauna (Core zone)

Sl. No	Local Name	English name	Zoological Name	Schedule as per WPA, 1972
MAMMALS				
1	Balera musa	Indian giant squirrel	<i>Ratufa indica</i>	I
2	Barah	Wild boar	<i>Sus scrofa</i>	II
3	Bilua	Jackle	<i>Canis aureus</i>	I
4	Harina	Spotted deer	<i>Axis axis</i>	II
5	Heta	Hyena	<i>Hyæna hyæna</i>	I
6	Jhinka	Porcupine	<i>Hystrix indica</i>	I
7	Mankad (Hanu)	Common langur	<i>Simprothecus entellus</i>	II
8	Neula	Common mongoose	<i>Urva edwardsii</i>	I
9	Saliapatni	Small India civet	<i>Viverricula indica</i>	I
10	Thékua	Common Indian hare	<i>Lepus nigricallis</i>	II
11	Bana Biradi	Wild cat	<i>Felis Chaus</i>	I
BIRDS				
1	Bana Kukuda	Jungle fowl	<i>Gallus gallus</i>	II
2	Common Crow	Kau (Damela Kau)	<i>Corvus corax</i>	II
3	Kapta	Ring Dove	<i>Streptopelia bitorquata</i>	II
4	Kajlipati	King Crow/Black Drungo	<i>Dicrurus adsimilis</i>	II
5	Koel (Assiah)	Cuckoo	<i>Eudynamys scolopaceus</i>	II
REPTILES				
1	Boda sapa	Common boa	<i>Boa constricta</i>	II
2	Dhamana	Rat snake	<i>Ptyas mucosus</i>	II
3	Naga	King Cobra	<i>Naja naja</i>	I

Table 21 Fauna (Core zone)



2.5.4 Fauna (Buffer zone)

Fauna as recorded in Zone of Impact			
Sl no	Common name	Scientific name	Schedule as per WPA, 1972
Mammals			
1	Barha (Wild Bear)	<i>Sus scrofa</i>	II
2	Civet/ Katasha	<i>Paradoxurus hermaphroditus</i>	I
3	Common Langur/Hanuman	<i>Semnopithecus entellus</i>	II
4	Common Mongoose/Hatta Neula	<i>Urva edwardsii</i>	I
5	Elephant	<i>Elephas maximus</i>	I
6	Fishing Cat	<i>Pristionoturus viverrinus</i>	I
7	Grizzled giant squirrel	<i>Ratufa Indica</i>	I
8	Gada Bhaiy/Asiatic Black Bear	<i>Ursus thibetanus</i>	I
9	Hyena/Heta bagha	<i>Hyena Hyena</i>	I
10	Indian fox/Siyaru	<i>Vulpes bengalensis</i>	I
11	Indian hare/Thekua	<i>Lepus nigricollis</i>	II
12	Indian Porcupine/Jhinka	<i>Hystrix indica</i>	I
13	Jackal/Bilua	<i>Canis aureus</i>	I
14	Jungle cat/Bana Biradi	<i>Felis chaus</i>	I
15	Kuji Neula	<i>Urva javanicus</i>	I
16	Leopard	<i>Panthera pardus</i>	I
17	Otter	<i>Lutra lutra</i>	I
18	Rhesus/Bonnet Macaque	<i>Macaca radiata</i>	I
19	Sloth Bear	<i>Melursus ursinus</i>	I
Reptiles			
1	Banded krait/Rana	<i>Bungarus fasciatus</i>	II
2	Cobra/Gokhra	<i>Naja naja</i>	I
3	Common krait	<i>Bungarus caeruleus</i>	II
4	Monitor Lizard	<i>Varanus bengalensis</i>	I
5	Python	<i>Python molurus</i>	I
6	Russel's Earth Boa	<i>Typhlops braminus</i>	II
7	Russel's viper	<i>Daboia russelii</i>	I
8	Saw scaled viper	<i>Echis carinatus</i>	II
9	Yellow Rat snake	<i>Ptyas mucosa</i>	I
Birds			
1	Bana myna/Ghunkalika	<i>Acridotheres tristis</i>	II
2	Bana kukuda (Red Jungle fow)	<i>Gallus gallus</i>	II
3	Black Headed oriole	<i>Oriolus xanthornus</i>	I
4	Black ibis	<i>Pseudibis papillosa</i>	II
5	Blue Hill Rock pigeon	<i>Columba rupestris</i>	II
6	Cattle egret	<i>Bubulcus ibis</i>	II
7	Chestnut Headed Bee-eater	<i>Merops teschenaulti</i>	II
8	Common bustard quail	<i>Turdix suscitator</i>	II
9	Common crow	<i>Corvus corax</i>	II



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10	Common Iora	<i>Aegithina nipha</i>	II
11	Common myna /Banl	<i>Acridotheres tristis</i>	II
12	Crow Pheasant	<i>Centropus sinensis</i>	II
13	Cuckoo	<i>Cuculus spp.</i>	II
14	Doves	<i>Streptopelia spp</i>	II
15	Drongo (Black)	<i>Dicrurus macrocerus.</i>	II
16	Grey jungle fowl	<i>Gallus sonnerati</i>	II
17	House Sparrow	<i>Passer domesticus</i>	II
18	House swift	<i>Apus affinis</i>	I
19	Indian Roller	<i>Coracias benghalensis</i>	II
20	Jungle Babbler	<i>Argya striata</i>	II
21	Jungle Bush quail	<i>Pardicula asiatica</i>	II
22	Jungle crow	<i>Corvus macrorhynchos</i>	II
23	Koel (Asslan)	<i>Eudynamis scioptacelis</i>	II
24	Lesser golden backed wood pecker	<i>Dinopium benghalensis</i>	II
25	Little Egret	<i>Egretta garzetta</i>	II
26	Indian Robin	<i>Copsychus fulicatus</i>	II
27	Painted spur fowl	<i>Galloperdix lunulata</i>	II
28	Pariah kite	<i>Milvus migrans</i>	II
29	Parrot	<i>Psittacula eupatria</i>	II
30	Partridge	<i>Francoellus pictus</i>	II
31	Peacock /Peafowl	<i>Pavo cristatus</i>	I
32	Pied crested cuckoo	<i>Clamator jacobinus</i>	II
33	Pied mynah	<i>Gracifoca contra</i>	II
34	Indian Pond heron	<i>Ardeola grayii</i>	II
35	Purple sunbird	<i>Ceryris asiaticus</i>	II
36	Quaker babbler	<i>Alcippe poiaicephala</i>	II
37	Red jungle fowl	<i>Gallus gallus</i>	II
38	Red vent Bulbul	<i>Pycnonotus cafer</i>	II
39	Rose Ringed Parakeet	<i>Psittacula krameri</i>	II
40	Shikra./Raja pakshi	<i>Accipiter badius</i>	I
41	Shrikes	<i>Lanius spp</i>	II
42	Small Green Bee-eater	<i>Merosops orientalis</i>	II
43	Small Indian Cormorant	<i>Micropodba niger</i>	II
44	Spotted Babbler	<i>Pellorneum ruficeps</i>	II
45	Spotted Dove	<i>Splioptella chinensis</i>	II
46	Spotted owl	<i>Aethya brama</i>	II
47	Common Tailor Bird	<i>Arhatamus sutorus</i>	II
48	Rufous Treeple	<i>Dendrocyta vagabunda</i>	II
49	Wagtail	<i>Motacilla spp</i>	II
50	Weaver Bird	<i>Ploceus philippinus</i>	II
51	White throated kingfisher	<i>Halcyon smyraensis</i>	I
52	White Breasted water hen	<i>Amauronis phoenicurus</i>	II
53	White-cheeked Bulbul	<i>Pycnonotus leucotis</i>	II



54	Woolly necked stork	<i>Ciconia episcopus</i>	II
55	Yellow cheeked tit	<i>Mochlophus spilochetus</i>	II
56	Yellow legged green pigeon	<i>Trepon phoenicoptera</i>	II

Table 22 Fauna (Buffer zone)

2.5.5 Status of Rare, Endangered & Threatened Species:

There is no Floral Rare, Endangered & Threatened Species (RET) within Zone of Impact as per Botanical Survey of India. However on field observations many floral species are considered to be rare in the locality and its preservation/ conservation and propagation is of paramount importance. These are Bija, Pahadi Sisoo, Bandhan, Kuruma, Amla etc. The faunal species those are under Schedule-I as above are considered to be threatened. The RET / IUCN status of some important species is at Annexure-VII.

2.6 Forests within Zone of Impact:

2.6.1 Forest Type:

The forest types observed in this Zone of Impact / Additional Zone of Impact as per Revised Champion & Seth Classification are as follows.

Table 23 Forest Types

Name of Major Group – Tropical Forest				
Name of Group	Name of Sub-group	Name of Type	Name of Sub-type	Name of Varieties
Tropical moist deciduous Forest - 3	North Indian tropical moist deciduous Forest - 3C	Moist sal-bearing forest - 3C / C ₂	Moist peninsular sal - 3C / C _{2c}	Moist peninsular low level Sal - 3C / C _{2c1} Moist peninsular valley Sal - 3C / C _{2c1m}
Dry deciduous forest - 5	Northern tropical dry deciduous forest - 5B	Dry sal-bearing forest - 5B / C ₁	Dry peninsular sal - 5B / C _{1c}	
			Northern dry mixed deciduous forest - 5B / C ₂	
		Moist Mixed Scrub Deciduous Forest - 5/DS ₁		
		Lateritic Semi-evergreen forest - E4		

2.6.2 Forest Crop Composition:

The description of forest type is furnished below.



3C/C_{2d}(ii) Moist Peninsular low level Sal Forest:

This forest type is confined in few pockets in this Division on flat or nearly flat ground, valleys and lower slopes, where Sal is principal species. In favorable areas it is found in pure patches. The principal associates of Sal are *Terminalia tomentosa*, *Adina cordifolia*, *Schleichera oleosa*, etc. There are other species found in top canopy are *Dalbergia latifolia*, *Pterocarpus marsupium*, *Bridelia retusa*. The middle story consist of *Mangifera indica*, *Terminalia bellerica*, *Terminalia chebula*, *Anogeissus latifolia*, *Cassia fistula*, *Mitragyna parviflora*, *Molotus sp.* The scrubby undergrowth is generally found observed. In some tract it is dense. Sal regeneration is moderate to fair.

5B/C_{2c} Dry Peninsular Sal:

This sub-type of forest found extensively throughout forests of this Division. It is seen in almost all the Blocks and regressing towards Dry Mixed Deciduous Forests. The main species in the top canopy are Sal, Plasal, Asan, Dhaura, and Sisoö. The middle story comprises of Bahada, Kusum, Chara, Mal, Rai, Kumbhi, Kendu, Karada, Amla and Bela. Fire and grazing is the common phenomenon in the above areas. Sal regeneration is quite high. But it is adversely affected by biotic pressure. Though the regeneration of Sal is sufficient, its establishment became difficult due to annual ground fire and grazing.

5B/C₂ Northern Dry Mixed Forest.

This subtype is found in degraded forest blocks and miscellaneous species are replacing the Sal due to heavy biotic pressure and fire. The canopy height is about 15 to 20 Mtrs of uneven canopy. Sal contributes to 10-15 percent of the crop available. *Dendrocalamus strictus* is observed extensively. The top canopy consists of *Anogeissus latifolia*, *Terminalia tomentosa*, *Madhuca indica*, *Buchanania lanzan*, *Diospyros melanoxylon*, *Bridelia retusa*, *Cleistanthrus collinus*, *Phyllanthus emblica*, *Lagerstroemia sp.* *Combretum decandrum*, *Smilax macrophylla*, *Butea* climbers are encountered during field visit. Regeneration of useful species is generally inadequate and adversely affected. Grazing and fire is common phenomena in major forest blocks.

2.6.3 Forest Blocks within ZOI & AZOI

The following Forest blocks are coming within Zone of impact of Guali Iron Ore mine.

Sl No	Name of Forest Block	Total area in ha	Area within ZOI	Working Circle assigned for working	Crop Composition
	Keonjhar Division				
1	Sidhamatha RF	5970.94	5278.00	Imp.WC	Sal Forest
2	Baitarani RF A	2358.99	2054.00	Imp.WC	Sal Forest



3	Baitarani RF B	1278.44	745.00	Imp.WC	Sal Forest
4	Ufuburu RF	1499.81	1499.81	Imp.WC	Sal Forest
5	Karo RF	5107.71	3520.0	Imp.WC	Sal Forest
6	Thakurani RF	4679.95	1853.00	Imp.WC	Sal Forest
	Bonai Division				
7	Mendhamaruni RF	546.337	546.337	Selection cum Imp. WC and PLWC	Sal Forest
8	Torha RF	15722.869	5875.00	Selection cum Imp. WC and PWC	Sal Forest
9	Kathamal RF	101.173	101.173	Selection cum Imp. WC	Sal Forest
10	Karo RF	1350.708	1287.00	Selection cum Imp. WC	Sal Forest

Table 24 Forest blocks within ZOI & AZOI

2.6.3 Present Management System:

The Working Plan of Keonjhar Division for 2022-23 to 2031-32 is by Sri Susil Kumar Nayak OFS -A (SB) and has been approved by IRO, MoEF&CC, Bhubaneswar vide Letter No 8(31) 36/ 2016-FC dated 15.07.2022.

The forests under Keonjhar Division coming within ZOI have been proposed to be managed under Improvement Working Circle. There is a Wildlife (Overlapping) Working Circle for management of wildlife in the division.

The Working Plan of Bonai Division is by Sri Sanath Kumar N, IFS for the period 2021-22 to 2030-31 and has been approved by RO, MoEF&CC, Bhubaneswar. The forests of Bonai Division coming within ZOI are being managed under Selection Cum Improvement WC, Protection WC and Plantation WC. There is a Wildlife (Overlapping) Working Circle for management of wildlife in the division.

The special objectives of management are in line of general objectives of Working Plan. All objectives under Elephant Reserve are also objectives of this working Circle. Besides the above other objectives are as follows.

- To Conserve, Protect and improve existing wild life and their habitat.
- To enhance bio-diversity and Wild Life population in the region.
- To involve people in management of Wildlife & associate them in preventing crime against Wild animals.
- To build up scientific knowledge on wildlife resources of the region.
- To train personnel at various levels for conservation and management of wildlife.
- Carry out research relevant to management including the development of techniques appropriate to Indian conditions especially to this locality.
- To educate people about wildlife and need for their conservation.
- To prevent sporadic and strategic crime against wild animals / birds.



Site Specific Wildlife Conservation Plan for Gualti Iron Ore Mine of OMC Ltd located at village Gualti etc under Barbil Tahasil of District Keonjhar, Odisha.

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- To protect Life and properties of public against animal depredation.

To improve the situation, the Working Plan Officer has outlined the following strategy

The general management practices involves

- a) Improvement of existing habitat and Development of new habitat for any species found in the locality.
- b) Preservation of existing wetlands.
- c) Adequate Fire Protection Measures.
- d) Providing a conducive and safe breeding zone for existing animals.
- e) Protect nesting of migratory Birds in Mahanadi River and Hirakud Reservoir.
- f) Provide water to animals during summer.
- g) Create & maintain grass lands.
- h) Remain vigilant against poaching of animals by live electric wire and loops.
- i) Take legal action against poachers.
- j) Public education / awareness camps on wild animals.

2.6.4 Methods of Treatment:

- a) Improvement of Habitats:
 - i. Retention of Down wood, Snags, dead trees in forests,
 - ii. Maintenance of Creeks,
 - iii. Maintenance of Wet lands,
 - iv. Creation & Maintenance of Grass Land,
 - v. Providing water to animals Improvement of Elephant Corridors,
- b) Providing Protection,
- c) Improvement of Elephant Corridors,
- d) Detail study of Animal behaviour & scientific Documentation,
- e) Creation of Public awareness & public participation in management,
- f) Reduction of Human- Wildlife Conflict,

The Working Plan Officer for reduction of Human-Wildlife Conflict (HWC), suggested the following measures.

The Human-Wildlife Conflict is in a rising trend in Champua, Barbil and BJP range due to increased Mining activities. Disturbances in Kara-Karampada Elephant Corridor are due to mining by SAIL, which has "Made the corridor disturbed". The movement of elephant in this region has been influenced by River Batarani, Rail Corridors, Road network and rapid Mining & Industrialization. In order to reduce Man- Animal Conflict and crop depredation the following measures are suggested



- i. Change in cropping pattern,
- ii. Development of elephant corridors at least of 500 m identifying the land in field,
- iii. Development of water sources & availability of clean water to animals.
- iv. Motivating People "not to disturb" elephants / other animals.
- v. In case of Crop raiding, not to drive them out which results in more damage and human causality.
- vi. Immediate compensation to victims of crop raiding. / Kill & injury.

g) Threat to wild animals & Suggested Mechanism:

Some of important threats enumerated by WPD, Keonjhar are

- a) Annual Fire and loss of Ground Flora.
- b) Fragmentation of Habitat by rampant mining in Badbil, Champuaanf BJP Range.
- c) Rapid industrialization due to mining and ancillary units.
- d) Heavy biotic interference and intrusion by domestic animals (Cattle/ Goat/ Sheep)
- e) Transmission of contagious diseases from domestic cattle to Wild animals.
- f) Poaching by putting nets/ loops and live electric wires.
- g) Hunting of birds.
- h) Public irritation against crop damage.

In order to handle the situation it is proposed to

- Prevent forest fire with the help of VES/ Public.
- Equip the forest staff with modern fire fighting tools.
- Have intelligence network deep inside the forest especially close to Sanctuary.
- Make public aware about ill effect of loss of bio diversity and loss of threatened flora and fauna.
- Enforce provisions of the wildlife (Protection) Act, 1972.
- Take help of Wildlife Crime Investigation burro in Inter District Organized Crimes.

2.7 Wildlife Habitat & Movement Pattern of Mega fauna:

2.7.1 Wildlife Scenario:

The project is not forming a part of National Park, Wildlife Sanctuary, any Protected Area nor it comes within any Eco Sensitive Zone of National Park, Wildlife Sanctuary, any Protected area. . The nearest Sanctuary is Similipal Sanctuary which is about 88.7 km from the project. The Karo – Karampada Elephant corridor is about 3.2 km from the project. The distance of Wildlife Sanctuary, National Park, Elephant corridors, Elephant Reserve and Ramsar site is depicted in Plate No-II.



Site Specific Wildlife Conservation Plan for Guoli Iron Ore Mine of ONGC Ltd located at village Guoli etc under Barbit Tahasil of District Keonjhar, Odisha.

ONGC

The Zone of Impact is adjacent to Singhbhum West Elephant Reserve of Jharkhand State. Karo- Karampada (Inter state) Elephant Corridor is partly coming within ZOI. Karo- Karampada Elephant Corridor has been greatly disturbed due to mining by SAIL in name of Bolani Iron Ore Mines. Similarly GUA Iron Ore mines of SAIL in Jharkhand state is on the corridor. Many industries / transport routes / Roads are intersecting the corridor. Due to obstacles / disturbances for mining, the elephant movement is completely scattered and presence of elephant other wild animals in the ZOI can be expected anywhere.

The elephants are mostly migratory and moving to and from Jharkhand (Singhbhum Elephant Reserve).





The DFO, Keonjhar has inspected the site on 8.10.2021 and 10.10.2021 related to diversion of 194.683ha of forest land. His observations have been recorded in Site Inspection Report & Part-II of Form A of Forest Diversion Application. His observation on Wildlife matters is reproduced below.

"The proposed site falls under elephant habitat Zone-2 as per the book titled "Remote Sensing Application for characterization of elephant habitat and corridor in Odisha and part of Bihar" published by ORSAC in September, 1999. No rare or endangered species is available in the applied area for diversion but elephant movement is often noticed in the adjoining buffer zone.

The SIR and Part-II of the Forest Diversion Application (Proposal No FP/OR/MIN/ 140713/ 2021) are at Annexure-VII)

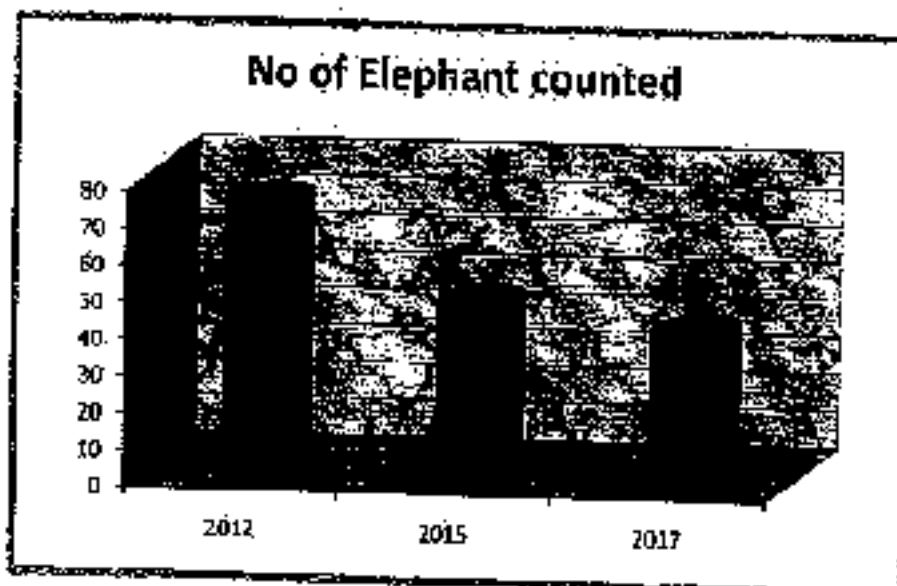
2.7.2 (A) Animal Census:

a) Elephant:

The elephant census has been conducted in the division during 2012, 2015 and 2017. The census data is furnished below.

Information on Wildlife (Elephant Census)						
Year	Male	Female	Unknown	Young	Total	Male : Female
Keonjhar Division:						
2012	23	37	0	13	73	1: 1.60
2015	12	24	1	10	47	1: 2
2017	9	26	0	7	40	1:2.67

Table 25 Elephant Census Data





Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under BarBH Tehasil of District Keonjhar, Odisha.



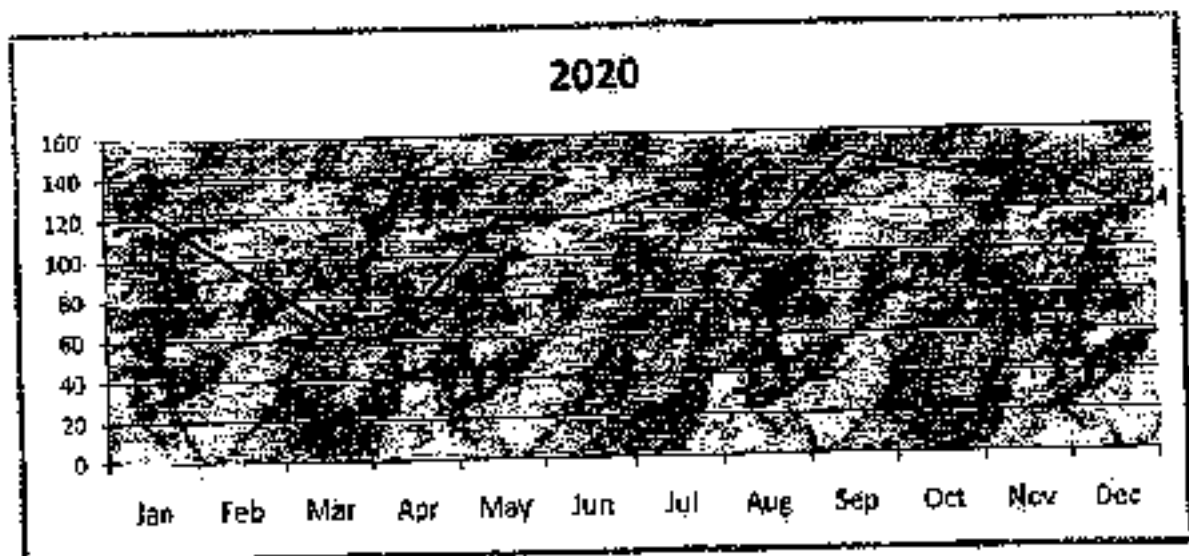
The male:female ratio is around 1: 1.6 to 2.5 which are considered as good. From the above data it is observed that, the population is in a declining stage where as in the state, the population is in increasing trend. It seems that, the elephants are migrating outside due to adverse impact of mining & developments. The male:female ratio is in increasing trend, which indicates lesser number of tuskers.

The elephant census is usually carried out in month of April –May of the year of census. It may not reflect the actual problem being faced throughout the year. An attempt has been made to reflect the month wise elephant population recorded during 2020, 2021 and 2022 to give a reflection of elephant problems being faced in the Division.

The day to day elephant movement has been recorded by the field staff and displayed in the GIS domain of the division. The monthly variation as recorded during 2020, 2021 and 2022 indicates a different picture in the division. The data recorded in the GIS Cell of the division is as furnished below.

Seasonal Variation in Elephant population (Keonjhar Division)													peak presence
Year	Month												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2020	123	96	68	73	119	119	131	110	148	139	143	124	148
2021	95	89	69	73	85	129	85	118	146	158	158	159	168
2022	146	133	117	129	134	133	133	115	156	183	150	181	191

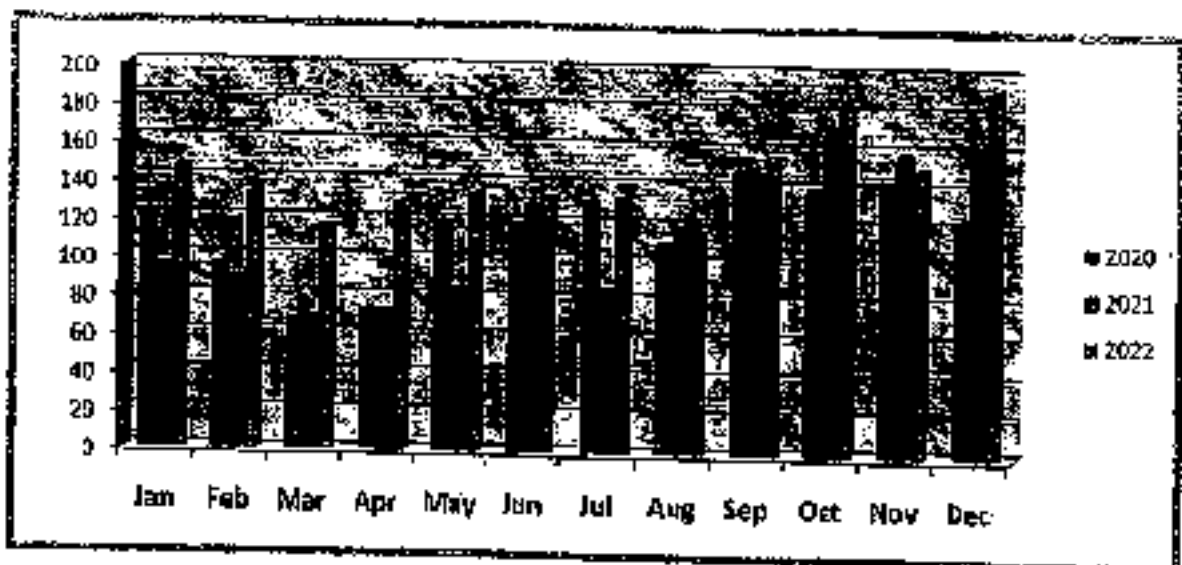
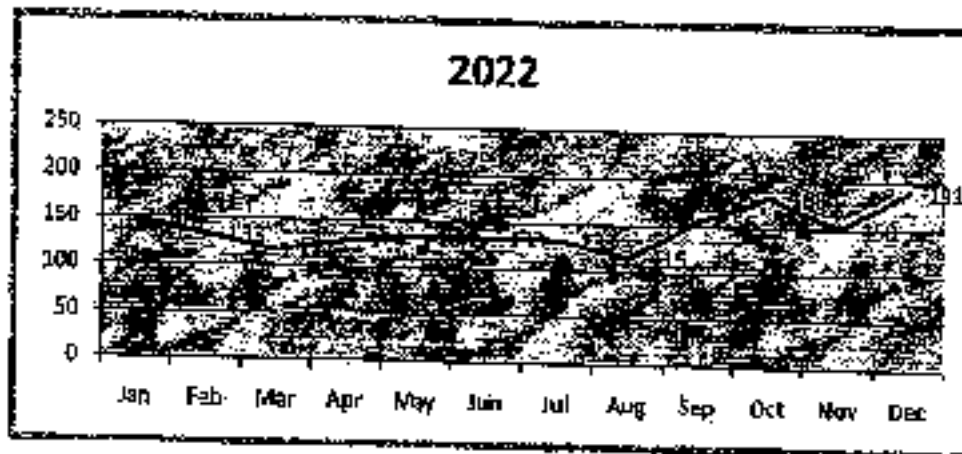
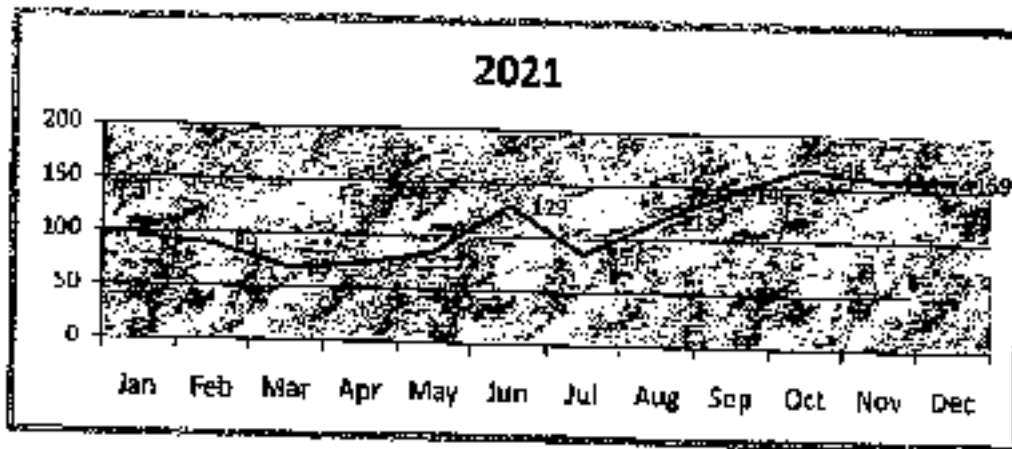
Table 26 Seasonal Variation in Elephant Population (Keonjhar Division)





Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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On analysis of the facts it is observed as follows.



Due to the elephant movement which is medium to intense in nature causes depredation / Human- Wildlife Conflict.



2.7.4 HWC Details (Human- Wildlife Conflict):

A. Animal Depredation: (Barbil Range)

i. Crop Damage.

Year	No of Villages affected	No of cases	Area involved in Ac	Compassionate grant Sanctioned & paid (in Lakh Rs)
2018-19	0	0	0	0
2019-20	42	79	21.52	2.159
2020-21		134	30.582	3.087
2021-22		19	6.21	0.62

Table 29 Crop damage data (Barbil Range)

ii. House Damage

Year	House damage		Total No of cases	Amount sanctioned & paid on lakh Rs
	Partly	Fully		
2018-19	0	0	0	0
2019-20	0	7	7	0.70
2020-21	11	1	12	0.32
2021-22	1	0	1	0.02

Table 30 House damage data (Barbil Range)



iii. Human Kill & Injury.

Year	No of Human Kill	No of Human Injury	Compassionate amount paid in lakh Rs
2018-19	1	0	4.00
2019-20	0	0	0
2020-21	1	0	4.00
2021-22	1	0	4.00

Table 31 Human kill & Injury (Barbil Range)

iv. Elephant and other animals Kill / Death.

The elephant death as recorded in the records of the division reveals that from 2017-18 till 2022-23 (Jan-August, 31st) the total death reported is 31 numbers as detailed below.

Year	Elephant Death					Remark
	Male	Female	Calf	Unknown	Total	
2017-18	0	2	0	0	2	No death in Barbil range
2018-19	1	1	1	0	3	
2019-20	0	4	2	0	6	
2020-21	2	2	2	1	7	
2021-22	0	5	2	0	7	
2022-23	2	6	2	0	10	
Total	5	20	9	1	35	

Table 32 Elephant and other animal kill/death

The detail list is at Annexure -IX.

The cause of Death has been analyzed and found as follows.

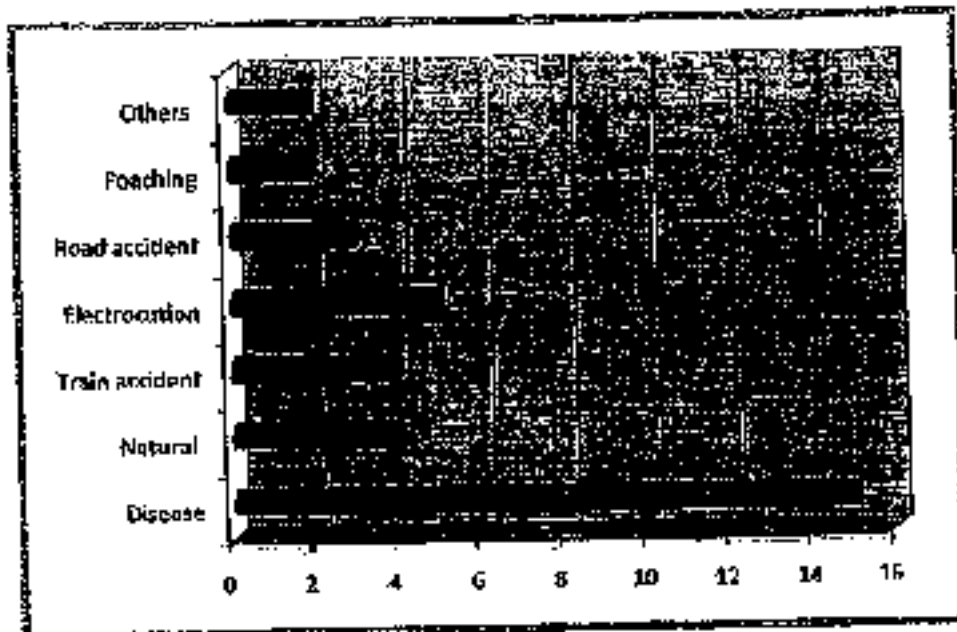
Year	Total	Cause of Death						
		Disease	Natural	Train accident	Electrocution	Road accident	Poaching	Others
2017-18	2	1	1					
2018-19	3	1		1				
2019-20	6	2	2			3		1
2020-21	7	4			2			1
2021-22	7	6			1			
2022-23 {12/22}	10	2	1	3	2		2	
Total	35	15	4	4	5	3	2	2

Table 33 Cause of death



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

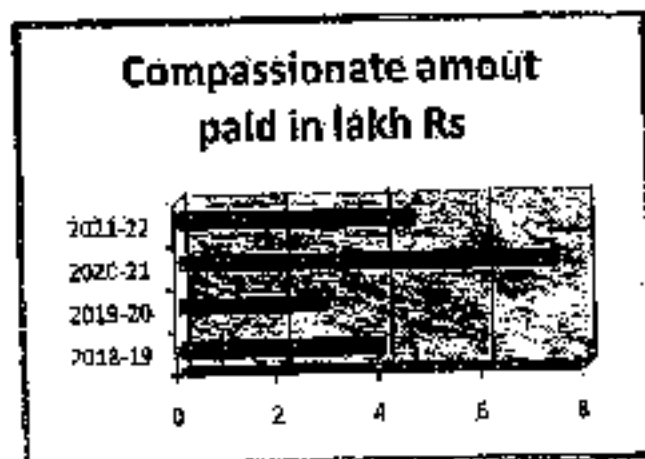
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(v) Abstract of Compassionate grants Paid.

Year	Compassionate grants Paid (in lakh Rs)			Total
	Crop damage	House damage	Human Kill & Injury	
2018-19	0	0	4.00	4.0
2019-20	2.153	0.70	0	2.853
2020-21	3.087	0.32	4.00	7.407
2021-22	0.62	0.02	4.00	4.64
Total	5.860	1.04	12.00	18.90

Table 34 Abstract of Compassionate grants paid





2.7.5 Public View on Man Animal Conflict:

Human- Wild Animal Conflict (HWC) is in a rising trend in this locality. Due to industrialization / Mining etc the Mega animal movement has been affected. Recent death of elephant due to Electrocutation in Baitarani RF and Train accident in Joda indicates a strained relation between Human & Animal.

The animal lovers are very much concerned about hostile attitude of public, depletion of wild animals in the region and remote possibility of striking a balance between Habitats- Developmental activities.

2.8 Other Projects within ZOI & their Impact Zone:

Within the Zone of Impact many mining projects are leased out in past and also being given by auctioning process. The list of existing (Operating / Non Operating) mines has been provided at Para 2.1.1 of this chapter.

2.8.1 Wildlife Conservation Plan approved & in Implementation Stage:

The following Site Specific Wildlife Conservation Plans have been approved recently and in implementation stage.

Sl No	Name of the Project for which SSWLCP approved	Cost of the Project for Keonjhar Division. (in Lakh Rs)	Approval order & date
1	Construction of Railway line doubling Project from Joroli to Porjanpur over 23.85 Km of Banspani- Daitari- Tamka- Jakhpura BG over 170.903 km by East Cost railway	871.85	7075 dated 28.07.2021 Revised vide 175 dated 05.01.2022
2	Expansion of Iron ore beneficiation plant, Tailing Dam and pipelines by ArcelorMittal Nippon steel India Ltd. (formerly known as Essar Steel Ltd.)	251.52	8077 dated 21.08.2021
3	32KV line from Jarul Sub Station to Basantapur Pellet Plant of M/s Pro Minerals Pvt. Ltd. (PMPL)	318.12	8381 dated 01.09.2021
4	Construction of 132 KV transmission line from 132/33 KV DPTCL Grid Station at Barbil, Keonjhar Dist to Kamanda Steel Plant.	208.38	
5	Baitarani Iron Ore Mines of Dr. Sarojini Pradhan	227.28	770 dated 27.01.2021
6	Dubuna- Sakradihl Iron & Manganese Ore Mines of OMC Ltd	600.867	13876 dated 20.12.2021
7	Nuagaon Iron Ore Block of M/s JSW Steel Ltd	590.870	1834 dated 25.07.2022



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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8	Jajanga Iron & Mn Block of M/s JSW-Steel Ltd.	471.960	1842	dated 25.02.2022
9	San-Indupur Iron & Bauxite mines of M/s Rungta Sons (P) Limited	192.66	177	dt. 21.01.2022
10	Expansion of the existing unit of M/s MSP Sponge Iron limited village Haladiaguna, Keonjhar	105.372	7485	dt. 10.08.2022
	Total	3838.889		

Table.35 WLCP approved in the recent past and implementation stage

2.9 Interventions implemented by Forest department:

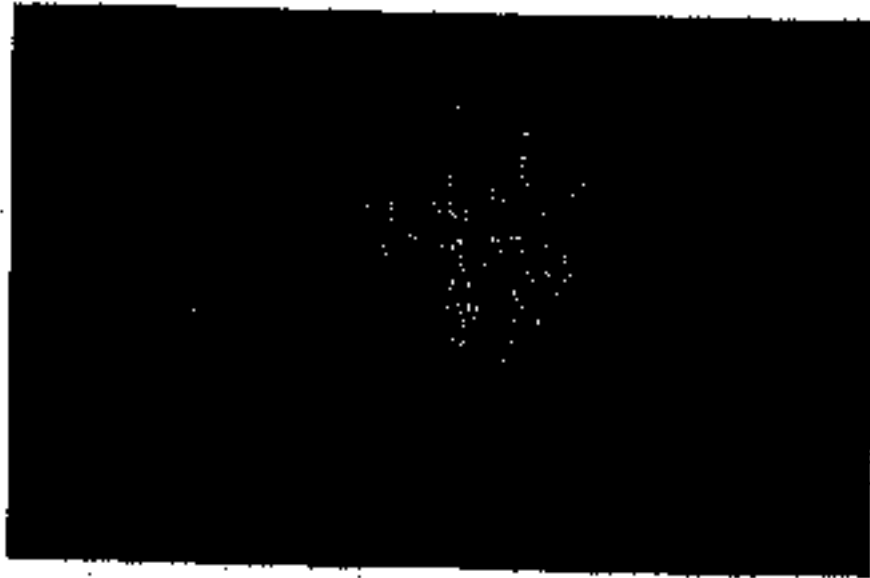
Most of interventions revolve around Habitat Improvement, Protection & Surveillance. Public awareness through various modes, motivation of villagers / VSS Members/ School children is the key guiding factors for interventions. For reduced Crop depredation deployment of staffs / Watch Towers and taking help of modern tools like drone camera, Satellite imagery are being implemented. Recently Hanging Solar Fencing has been installed at Joda along the both sides of Railway track to prevent elephant movement across the railway line. Use of Drone based Thermal camera for tracking of wild life (mega animals) found to be useful and also in use. Schemes like Gaja Satbi, Jana Surakshys Gaja Rakshya, Mo Jungal – Mo parivesh etc are being implemented. Some projects are Community Participatory in nature to augment relation with public in Forest & wildlife Management and reducing Human- Animal Conflict.





Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

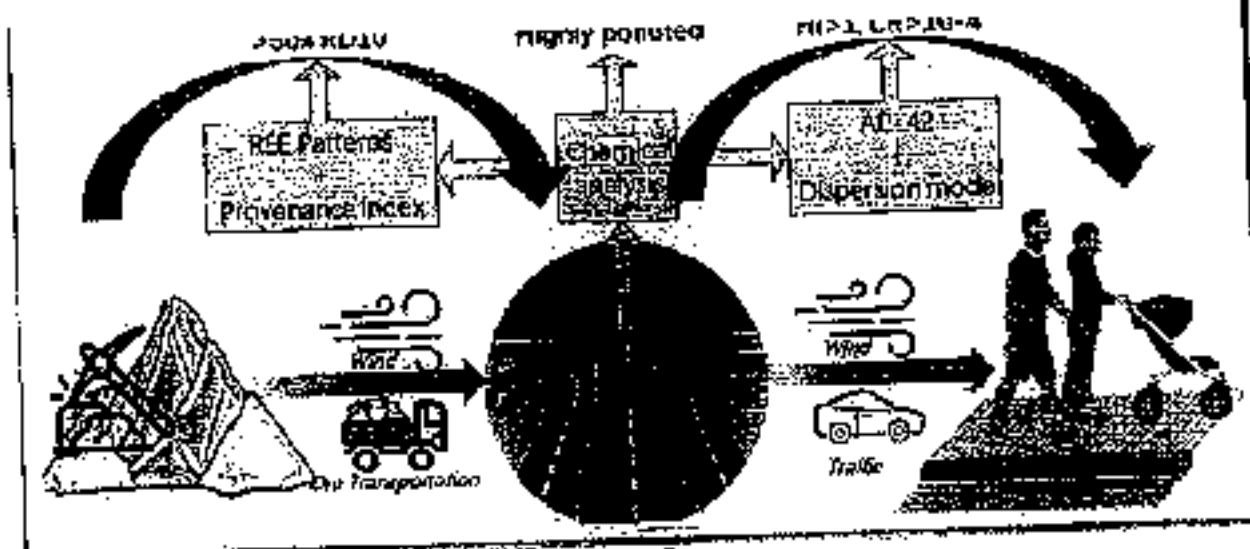
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CHAPTER-III

PROJECT & ITS PROBABLE IMPACT





CHAPTER-III

Project & its Probable Impact

3.0 Introduction:

Guali Iron Ore Mining lease is over an area of 365.026ha but as per land details the area is 358.258ha. The Mine is located at village Guali, Loidapada, Panduliposi, Topadhi, Rugudihland part of Sidhamatha Reserved Forest. Sidhamatha Reserved Forest is considered as a niche of elephants. Other important forest blocks nearby are Karo RF, Thakurani RF, Baitarani RF, Uluburu RF, Torha RF and Mendhamaruni RF. The mine is categorized as "Category-A Fully Mechanized Opencast". This mine has been granted to OMC Limited for 10 years from date of execution of lease deed i.e. 12.01.2021. At present the mine is in operation.

3.1 Salient features of the Mine:

3.1.1 Lease Status:

Guali Iron Ore Block, district Keonjhar has been reserved in favour of Odisha Mining Corporation Limited for a period of 10 years vide Notification No 283/SM dated 11.01.2021 of Steel & Mines Department, Government of Odisha. The lease deed has been executed on 12.01.2021 in response to Mining Lease Grant order No 358/SM dated 12.01.2021. At present the lease in favour of OMC Ltd is valid up to 11.01.2031. All the valid rights, approvals, clearances, licenses etc vested with the previous lessee has been transferred in favour of Odisha Mining Corporation Limited for a period of two years vide Order No 324/SM dated 11.01.2021. The same provision has been extended till life of the lease period.

3.1.2 Iron Ore & Reserve:

The area contains iron ore of all grades. The Iron Ore is mainly friable laminated comprising of hard laminated ore, soft laminated ore and powdery ore.

The Reserve estimated as on 12.01.2021 is 160.136 Million Ton. Remaining resource estimated: 36.59 Million Ton. The total Resource / Reserve estimated for the mine is 196.726 Million Ton.



3.1.3 Existing quarry & Expansion:

At present there are two quarries as detailed below.

Sl No	Name of the pit / Block	Size of the Pit (inM) (LXB)	Surface area in ha	Top bench RL in M	Bottom bench RL	Over all Pit slope
1	Topadihi Block-A	841x348	29.26	590	525	45°
2	Balisahi Block-B	685x309	21.19	569	520	45°

Table 36 Existing Quarry

Based on the exploration result, it has been planned to extend the existing benches laterally as well as depthward.

3.1.4 Details of Existing Dump Position & disposal:

There are two waste dumps as given below.

Sl No	Name of the OB Dump	Block	Size of the Dump (inM) (LXB)	Surface area in ha	Grade
1	Waste dump-1	Balisahi Block-B	225x170	3.80	<45% Fe
2	Temp. Waste Dump-2	Topadihi Block-A	190x105	2.00	<45% Fe

Table 37 Existing Dump section

Method and manner of disposal of waste: During 1st year no waste is generated as the mining was carried out in already developed area. During 2nd year the waste generated has been utilized for road formation and maintenance. From 3rd year onwards 70% of the waste generated will be dumped in the waste dump-A, and rest 30% will be utilized for road formation / maintenance.

3.1.5 Drilling & Blasting:

Blast hole drilling are proposed by DTH drill of 150-160mm dia single or multi row drill with hole to hole delay are proposed. Blasting is proposed to be carried out with emulsion / slurry explosive. MONEL of different delay interval are proposed to be use to control ground vibration and better optimization in blasting.

The most common type of explosives available readily are Power Gel -1, Power gel-2, Sapa dyne for column charge and for booster charge Power Gel-C, Cast booster, Aquadyne shall be used in the mine. The powder factor is about 13 Tons / Kg

Rock breakers will be used to break large stones. No secondary blasting will be required.

3.1.6 Proposed Bench Parameters:

The proposed mine design parameter to be followed / being followed are as follows.



Parameter Description	For Topadihi (Block-A)	Balisahi (Block-B)
Maximum Bench Height (in m)	15	15
Maximum Bench width (in m)	30	30
Bench Slope Angle (in degree)	80	80
Overall Pit Slope Angle (in degree)	45	45
Depth of working during plan period	75 m	45 m
Maximum gradient of Haul road	Maximum 1:16 [°]	Maximum 1:16

Table 38 Proposed mine design parameter

3.1.7 Proposed Loading & Transportation (Within ML area):

During 1st year of the Plan (2020-21) (proposed production - 0.475 Million Ton) has been considered. For 2nd year (2021-22) 5.70 MTPA (As per EC capacity) proposed. From 3rd year onwards 30 MTPA has been projected for which Revised EC has been applied for. In the first two years excavators of of 6.0m³ capacity and 60m³ dumpers will be used, From 2022-23 to 2024-25 excavators of 36.0m³ capacity and 120 m³ dumpers will be used. Besides at the crushing and screening plant wheel loader of 5m³ capacity will be used.

For transportation of Waste / RoM, the above arrangements will also be applicable.

3.1.8 Ore Stock Yard:

There are seven ore stock yard for two different mining pit Topadihi Block-A and Balisahi Block-B. The pit wise assigned stacks are as given below.

Topadihi Block-A Stock 1,2,3,4,5
Balisahi Block-B Stock-6 &7

3.1.9 Machineries deployed / to be deployed:

The mine is operating in three shift basis and will continue as per existing practice. Process of excavation and loading of overburden / waste has been done by deploying hydraulic excavators and dumpers in the initial 2 years. Excavators of 5m³ capacity and 60m³ dumpers are in use. For next three years, excavators of 36m³ capacity and 120m³ dumpers will be deployed keeping enhanced production capacity based on revised EC. Excavator of 15m³ capacity is kept optionally instead of 36m³ capacity. Wheel loaders of 5m³ are used for product loading at Screen / crusher. Hard iron ore will be loosened through drilling & blasting. 160mm dia drill machine will be used during the ensuing plan period. For maintenance of OB backfill-cum-dump dozers are deployed. Loading & unloading of sorted & sized ore is loaded by mechanized method.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Sarbajit Tahasil of District Keonjhar, Odisha.

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Proposed fleet of major HEMM and auxiliary Mining Equipments				
Sl No	Equipments	Capacity	Nos	
			For 5.7 MPTA	For 30.0 MPTA
1	Drill machine combined with compressor	150-160mm		
2	Excavator	4.3 / 6.0 m ³	4/3	-
3	Excavator	15/ 36m ³	-	5/3
4	Dumper	80 / 120t	25/20	-
5	Dumper	120 / 240t	-	46/ 23
6	Loader	5m ³	5	22
7	Diesel Tanker	12KL	1	2
8	Water sprinkler	12KL	3	3
9	Dozer	20m ³	2	4
10	Moter grader	Variable Capacity	2	2
11	Diesel Generator		7	10
12	Dewatering Pumps		4	6
13	Rock Breaker		2	4
14	Tower Lights		12	15
15	Fixed Water sprinlder			1km
16	Mobile Service van		2	2
17	Crane	50t	1	1

Table 39 Proposed fleet of major HEMM and auxiliary Mining Equipments

3.1.10 Crushing and Screening:

ROM will be fed to crushing and screening plant for segregating the CLO(+10-40 / 5-18mm) and fines (-10mm). Based on requirement, the ROM may be fed directly to screen plant for segregation of the CLO (+10-40 / 5-18 mm), fines (-10mm) and oversize (+40mm). The oversize is to be fed to crusher directly for further size reduction and CLO and fines. The CLO and fines generated after screening and crushing will be transported to the designed stack yard for sale. Out of 30MTPA, it is proposed to transport approximately 9 MTPA (30%) through Road and 21 MTPA through pipeline in form of slurry out of the ML area

3.1.11 Tentative Excavation / Production Schedule:

The tentative production / excavation schedule from both the Pit (Block-A and Block-B) as projected is furnished below



Site Specific Wildlife Conservation Plan for Guafi Iron Ore Mine of OMC Ltd located at village Guafi etc under Barbil Tahasil of District Keonjhar, Odisha.

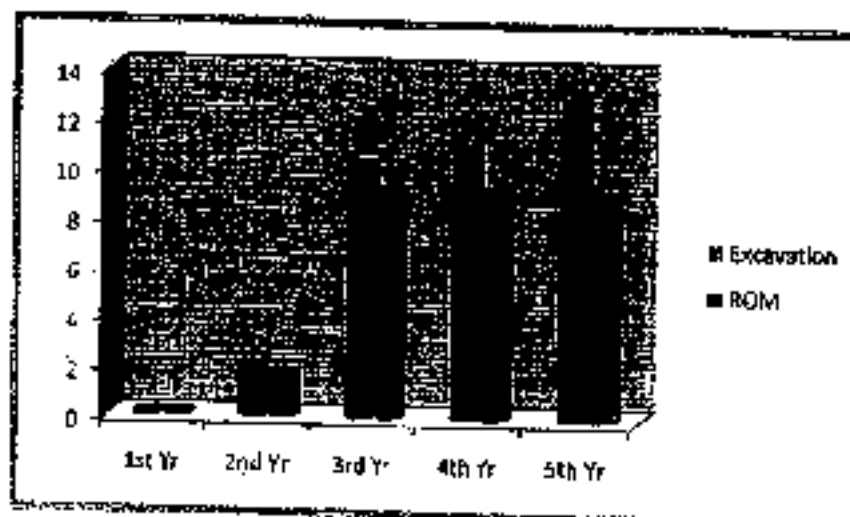
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year	Quarry	Excavation in M. cu.m	OB in M cum		ROM (in M. Cum)			ROM: Waste	Remark
			Top Soil	OB/SB/IB	Ore	Mineral reject	Total		
1 st Yr 2020-21	Block-A	0.1424	0	0	3.14	0.0024	0.1414	NA	From 12.01.21
	Block-B	0	0	0	0	0	0		
2 nd Yr 2021-22	Block-A	1.83	0	0.04	1.38	0.41	1.79	1:0.02	
	Block-B	0	0	0	0	0	0		
3 rd Yr 2022-23	Block-A	7.11	0	0.91	4.99	1.20	6.19	1:0.14	
	Block-B	3.33	0	0.05	2.59	0.49	3.08		
	S. Total	10.24	0	0.96	7.58	1.69	9.27		
4 th Yr 2023-24	Block-A	7.59	0.16	1.17	4.91	1.35	6.26	1:0.21	
	Block-B	3.32	0	0.37	2.84	0.11	2.95		
	S. Total	10.91	0.16	1.54	7.75	1.46	9.21		
5 th Year 2024-25	Block-A	7.80	0.04	1.85	5.07	0.83	5.91	1:0.31	
	Block-B	5.13	0.06	1.89	3.00	0.19	3.19		
	S. Total	12.93	0.1	3.74	8.07	1.02	9.1		
Plan Period	G.Total	36.0524	0.26	6.28	24.92	4.58	29.5114	1:0.22	

Table 40 Tentative production/excavation schedule from both the pits

Year	Excavation (M Cum)	ROM (M cum)	Actual production of ROM in M. Ton
1 st Yr	0.1424	0.1414	0.3642 against 0.479
2 nd Yr	1.83	1.79	5.70 against 5.70
3 rd Yr	10.24	9.27	
4 th Yr	10.91	9.21	
5 th Yr	12.93	9.1	
Total	36.0524	29.5114	

Table 41 Year wise excavation





3.1.12 Ultimate Extent & Size of the Pit:

In view of Ore Occurrences, Safety Zone, Ultimate Pit Limit has been delineated. There will be two quarries at the end of the life of the mine. The extent of the quarry ultimate pit limit (as on Conceptual Stage) is given below.

Sl No.	Name of Quarry	Beginning of the Plan (LXB)	Extent of the quarry				
			Length (m)	Breadth(m)	Area in ha.	Top RL (m)	Bottom RL (m)
1	Topadihi Block-A	841x348	1023	981	100.3563	554	446
2	Balishahi Block-B	685x309	700	783	54.8100	554	446

The Topadihi nalla passing through ML area is proposed to be diverted during conceptual period for merging of both the pits. This will enhance the mineable reserve and life of the Mine.

3.1.13 Proposed Crushing & Screening Plants:

In order to segregate the ROM to different size, specifications following crushing & Screening units are installed / to be installed within ML area

Sl No	Plant Type	Capacity	No of Units available (EC- S.70MTPA)	Additional units (EC-30MTPA)
1	Stationary Crusher Plant	175 TPH	1	One Multi stage crushing & Screening Plant – 5000TPH and one 2500 TPH One Multi stage crushing & Screening Plant will be added.
2	Stationary Crusher Plant	200TPH	1	
3	Stationary Crusher Plant	400 TPH	1	
4	Mobile crusher Plant	150TPH	1	
5	Mobile Screening Plant	150TPH	1	
6	Mobile Screening Plant	250TPH	5	
7	Stationary Screening Plant	1500 TPH	1	

Table 42 Proposed Crusher & Screening plant

3.1.14 Dump Rehandling (For recovery of minerals)

There is no proposal for waste dump rehandling for purpose of recovery of minerals during this mining plan period.

3.1.15 Working Regime:

Mine has been proposed to be operated in three shifts. Each Shift will be of 8 hours duration. Number of working days will be 300 days



3.1.16 Life of Mine

Total minable reserve of Iron Ore within the lease area after depletion of production from the earlier resources under proved category 160.136 Million Tonnes up to +45% Fe grade available as on date as per present exploration data. The total production (+55%Fe & 45 to 55% Fe) from mines during the ensuing plan period will be 96.19 Million Tonnes. Hence reserve available in the conceptual period will be 63.946 million tons. Thus the life of mine would be 8 years including current plan period. However further exploration has been proposed during the plan period which will augment the resource thus exceeding the life of mine beyond lease period.

3.1.17 Transport of Ore to enduser:

Out of total production 30% is of lumps (>10mm) and 70% is of fine (<10mm) in nature. All the produce will be disposed up through Sale / Auction. The lumps will be transported by end users by Road or by train from Barbil Railway siding. The fines are proposed to be transported through pipeline in form of slurry. Out of 50MTPA, about 9MTPA (30%) will be transported by Road, Road & Rail combine. 21MTPA (the fine component of the production) will be transported through pipeline in Slurry Form. It is likely to be initiated soon.

3.1.18 Production & Disposal of Mineral Reject:

Materials containing 45-55% Fe has been considered as mineral rejects. A total 22.06 Million Tons of Mineral Reject will be generated up to conceptual stage. (During plan Period – 11.473 Million Tons, Beyond Plan period till conceptual period: 10.587 Million Tons). The mineral reject so generated will be blended with ore in proportionately to get desired saleable grade. Mineral reject / sub grade ore can be sold directly as per market demand. At present 8.46 ha in two locations has been designed for mineral reject within the lease hold area for temporary storage.

3.1.19 Waste Disposal:

The waste generated during mining operation comprises of laterite, shale and overburden (OB) occurring at the top profile of ore zone. These waste materials are dumped at the earmarked non mineralized area in a retreating manner by forming number of terraces and compacting it by use of dozer. Precautionary measures like retaining walls, garland drains, settling ponds, plantation on matured slopes of waste dumps, mineral stacks are proposed. Presently there are two waste dumps in the lease area out of which temporary waste dump-2 will be removed from third year onwards for advancement of mining during the plan period.



Further one more waste dump (Waste Dump-A) will be created during the plan period over an area of 20.18ha. The same dump will be extended and utilized to accommodate the waste generated during conceptual period over an area of 28.97ha. During conceptual period another dump will be created over an area of 27.93ha. At the end of conceptual period total dump area will be 56.90ha.

A total 9.5 million CuM of waste will be generated from entire Guali Iron Ore Block up to conceptual stage of which 6.29 Million Cum will be generated during plan period and the rest 3.21 Million Cum during conceptual period.

The height and individual terrace has been considered 15m and 15m respectively with a bench slope angle of 37°.

3.1.20 Post Mining Landuse:

At the conceptual stage, the lease area will be under vast water body, aforested area and grass land. The individual area under different land use is as follows

Sl No	Present land use	Land use at conceptual stage Area in ha	Post Mining land use
1	Area under mining (Excavation)	212.270	The minedout quarry to be developed as a water reservoir
2	Waste Dump Site	56.90	Covered under Plantation in a phased manner
3	Mineral storage	19.19	Regrassing after cessation of mining activities: massive grass field
4	Infrastructure	4.55	Left as it is for reuse by authority.
5	Roads	10.85	Left as it is for reuse by authority.
6	Safety Zone & Green belt.	6.469	Status to be maintained
7	Mineral separation Plant / slurry pipeline	29.380	Left as it is for reuse by authority
	Total	339.609	

Table 43 Individual area under different land use

3.1.21: Water Table & Mine Working Limit

The topography of the area is undulating. Elevation ranges from 515m AMSL to 840 m AMSL. The ground water table in the Mining lease area is 446 m AMSL in pre monsoon 450m AMSL in monsoon period. However the general Water table is 490m AMSL as per



latest observation in the surrounding buffer zone borewells. Hence water table is likely to be punctured during 5th year i.e. 2024-25 of the plan period.

3.1.22 Water Requirement:

The present water requirement for production of 5.70 MTPA is 320m³ /Day. During peak production of 30 MTPA, the water requirement has been estimated to be 2500 m³ / Day.

For production of 30 MTPA the additional water requirement will be fulfilled from ground water source for which permission from CGWS will be obtained. The Ground water table will be intersected during 5th year which will be used for mining, dust suppression and plantation purpose. Any surplus water will be provided to nearby industrial facilities after due treatment.

3.1.23 Maximum & Minimum depth of working :

The existing depth of quarries with their RLs and depth of the quarries at the end of the plan / conceptual period is summarized below.

Name of quarry	existing depth (mRL)		End of plan period (2024-25) (mRL)		End of Conceptual period (mRL)		Ultimate depth of working
	Top	Bottom	Top	Bottom	Top	Bottom	
Topdahi Quarry (Block-A)	590	525	575	500	500	446	144
Baliali Quarry (Block-B)	569	520	530	485	485	446	123

Table 44 Minimum Maximum Depth of Working

3.1.24 Quantity of water likely to flow through lease area:

The total area is 358.258ha out of which opened up area is around 115.961 ha which is considered as catchment area. An average rainfall of 1418mm has been considered for calculation of runoff. The run off calculation is furnished below.

Catchment area: 115.961ha

Average rainfall: 1418mm = 1.418m

Run off coefficient: 0.15

Total run off per year (during Rainy season)= 115.961*10000*1.418*0.15=246649 cum

Number of Rainy days=75 days

Water available / Runoff during rainy days = 246649/75= 3288.6 cum

During remaining days of year = No run off / no mine discharge (for first 4 year)



Or 5th year as water table will be intersected the ground water discharge may be enhanced.

Assessment of Water Proposed to be abstracted for mining the iron ore in the lease area water table has to be intersected during the working period. A maximum inflow of 729 m³ /day is expected to occur. This quantity is derived purely on assumptions of area excavated as per the mining plan and its review. The inflow of water calculated estimates the groundwater ingress that shall occur for a certain area of mine opening.

3.2 Impact of the Project:

The identified impacts due to mining and its associated activities on environment and especially on wildlife have been studied in details. These are broadly categorized as follows

- Land degradation,
- Drainage and Water environment
- Air Environment,
- Noise and Vibration,
- Biological impact,
- Flora and Fauna,
- Soil & agriculture,
- Socio-economic

3.2.1: Land degradation:

The presently land use pattern is mostly a Sal Forest, Partly under mining excavation and allied activities. The total land already degraded is 154.120 ha (43%). There is a defunct sponge iron factory over an area of about 8 ha. During the mining operation the land will be utilized up to 262.384ha (73%) of the total lease area during this plan period (up to 2024-25). The area will be mostly under excavation, waste dump. Forest area already diverted but not in use (40.572ha) will be cleared and put to use for mining activities. The topographical landscape will be changed to excavated pits, waste dumps, roads.

3.2.2: Drainage and Water environment:

The topography of the area is undulating and plain land. Elevation within ML ranges from 515 m AMSL to 598 m AMSL. The water table is likely to be intersected since the working will go up to 446 m AMSL and the Hydrogeological study has been carried out by M/s Hydrominiviron Consultancy Pvt. Ltd., Jaipur to assess the impact on ground water.

Within the Mining lease area there is one seasonal nala (Water flow is about 9 months in a year) namely Topodihinala. It flows from south-east to north-west within the lease.



Baliasahi (Block-B) quarry which is situated south-west of Topadih nalla, has been provided with bunds all along the top bench. Besides, 1 m high and 1 m wide retaining wall has been provided on both sides of the nalla as a measure of protection. Topadihnalla is seasonal and is active only during peak rainy seasons. As the mine workings are confined to much higher levels, the flow of Topadihnalla will not affect mine workings. Further there is proposal to divert Topadih nalla during the conceptual period after which both the pits i.e. Topadih Pit and Baliasahi Pit will be merged based on the outcome of future exploration.

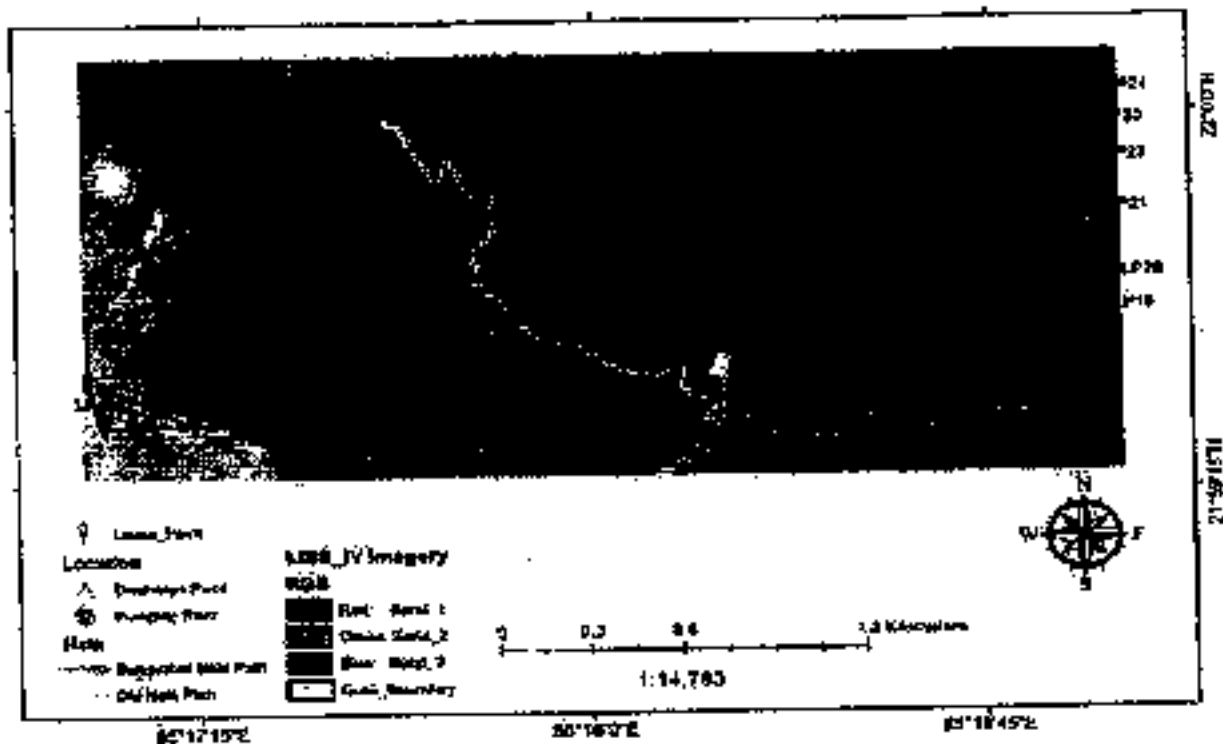
There are many nallas, rivers within buffer zone of mining lease area. These are as follows.

Sl No	Name of Nala / River	Distance from Project boundary (in Km)	Direction w.r.t project location	Status
1	Karo River	0.50	W	Perennial
2	Suna River	4.25	S	Perennial
3	TopadihiNala	Within Lease area		Seasonal
4	KakrapaniNala	7.25	SE	Perennial
5	TehereiNala	8.5km	S	Perennial

Table 45 Nallas/Rivers within buffer zone

Diversion of Topadihi Nala:

The seasonal Nalla i.e. Topadihi flows through the lease area, which controls the drainage system of the area. The portion of the Topadihi Nala that falls within the mine lease area is 4736 m long. The occurrence of the Topadihi Nala is from Lease Pillar (LP) 12 and gets ended near Lease Pillar 38. Currently, due to the completion of the mining in the Topadihi block, the mining will progress towards the west flank of the lease area, there by affecting the flow of Topadihi Nala. In future, the current channel is expected to be affected due to mining, so, in order to maintain a proper channel for seasonal water flow, a diversion of the current channel is proposed by keeping the starting location the same i.e. at Lease Pillar LP12, and it will stretch towards the east along the boundary of the Guali Iron Ore Mines lease area and merge with the check dam at location LP 23 areas as shown below. The diverted nalla will eventually merge with the catchment area leading to the Karo River without over flooding the nearby areas. The proposed nalla has been designed for the maximum flow rate including pump flow rate.

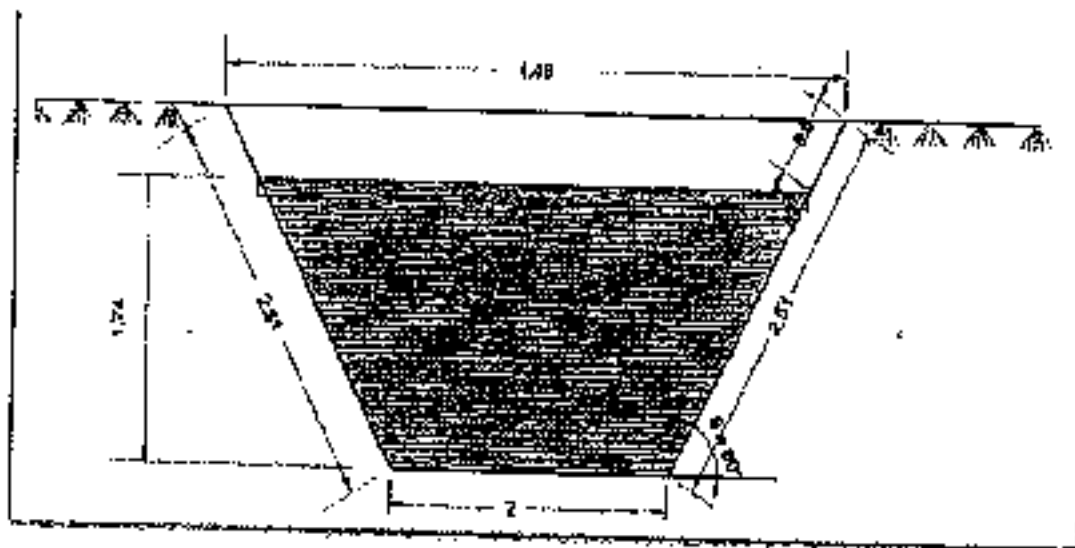


The impact of diversion of nala will be within the ML area. It will not be felt outside the ML area as the nala will be diverted from entry point to exit point of the nala. The channel depth and width has been design so as to ensure flow of water without over flowing.

The basic parameters of diversion channel for Topodihi Nala is furnished below.

Sl no	Design Parameters (description)	Design Parameters (Value)
1	Bottom width (b)	2 m
2	Water depth (y)	1.74 m
3	Wetted perimeter (P)	6.02 m
4	Wetted area (A _w)	5.23 m ²
5	Top width (T) at the surface of water	3.98m
6	Top width (T) at the top of free board	4.48 m
7	Side length (s) including free board of 0.5	2.01 + 0.5 = 2.51 m
8	Side slope	60°
9	Maximum Velocity (V) for Q = 11.56 m ³ /s	2.21 m/sec
10	Minimum Velocity (V) for Q = 0.32 m ³ /s	0.75 m/sec

Table 46 Basic parameters of diversion channel for Topodihi nala



The diversion will affect the floral characteristics within ML area and loss of Riparian vegetation within the ML area. (Though ultimately the vegetation will be cleared for mining purpose).

Due to mining operation and diversion of nala it is feared as follows

- i. Disruption of water ground water flow in a downward drift due to intersection of water table.
- ii. It may lead to drying of wells / bore wells in villages on drift downward direction.
- iii. Loss of riparian vegetation,
- iv. Animals may not able to approach nala in the diverted part due to concrete channel.
- v. Mining may reduce water flow to River Karo which is very close.
- vi. Settling of dusts on water body, soil laden runoff, highway washings may find its ultimate way to existing nala and rivers making it more turbid and contaminated with heavy metals.

3.2.3: Air Environment,

Dust emission sources were identified based on mining activities of the proposed project. Following mining and material handling operations were considered for dust emission sources: Drilling, crushing & screening of ore, Loading of materials (Ore, OB, mineral rejects & Top soil) into haul trucks, Unloading of OB, subgrade and top soil from haul trucks/dumpers, Vehicle (wheel) generated dust due to transportation of Ore, OB, Sub-grade and top soil.



3.2.4: Noise and Vibration,

a) Sources of Noise:

The mine will have following sources of noise: Drilling, Blasting, Operation of HEMM & Vehicular Movement, Crushing & Screening plant and Workshop.

Noise levels may increase marginally in core zone and some buffer zone villages due to proposed expansion project. Work zone noise level is expected to increase marginally due to increased production capacity, handling and transportation of ore. In the expanded mine the personal exposure shall be less than 90 dB (A) because only machinery operators will remain very close to the machines and they will sit in closed cabins. Work zone noise level is expected to increase marginally in the open-cast mining area due to increased excavation, handling and transportation of overburden and ore. Impact of noise level on the nearby villages has been predicted. There will be marginal increase in noise level in the buffer zone. At present due to vast stretches of forests and tree cover within ML area, the noise effect is not felt. But it will enhance and perceptible once the trees will be removed from mining area.

b) Vibration:

Ground vibration, fly rock, air blast, noise, dust and fumes are the deleterious effects of blasting on environment. The explosive energy sets up a seismic wave in the ground, which can cause significant damage to structures, human occupants, Avifauna and wild animals. It causes major damages to the pit configuration too. When an explosive charge is fired inside the blast hole, it is instantly converted into hot gases, which exert intense pressure on the blast hole walls. High intensity shock waves propagate radially in all directions and cause the rock particles to oscillate. This oscillation is felt as ground vibration. The proposed mining operations using deep hole drilling and blasting using delay detonators shall produce ground vibrations.

Noise, or air blast/ air over pressure is considered to be one of the most hazardous environmental disturbances created by blasting operation. Blast-induced air over pressure is the energy transmitted from the blast site within the atmosphere in the form of a series of pressure waves. Air over pressure is formed either by the direct action of the explosion products from an unconfined explosive in the air or by the direction of a confining material subjected to blast loading. The pressure wave consists of both audible (noise) and sub-audible (concussion) energy. The maximum excess pressure in this wave is known as the peak air over pressure, generally measured in decibels using the linear frequency-weighting.



Vibration through the substrate has likely been important to animals as a channel of communication for millions of years. It has also an effect on biological process. Rodents, reptiles and birds are more sensitive to vibration. A vibration thresh hold of 30-50 Hz may disturb the animals in general.

The vibration is calculated using the formula furnished below.

$$V = 510 \{D / (Q^{0.5})\}^{-1.48}$$

Where,

V = Peak Particle Velocity in mm/s

D = Distance between location of blast and gauge point in m

Q = Quantity of Explosive per Delay

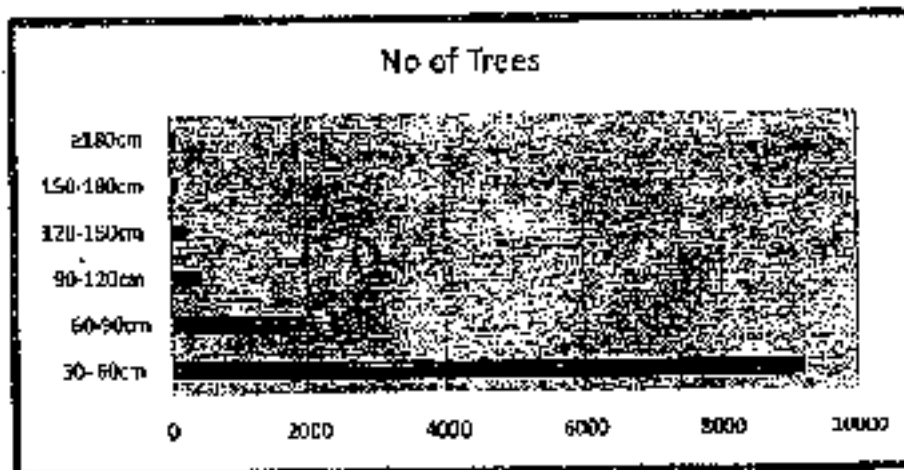
During mining operation there will be blasting once in a day with all precautionary measures.

3.2.5 Biological impact;

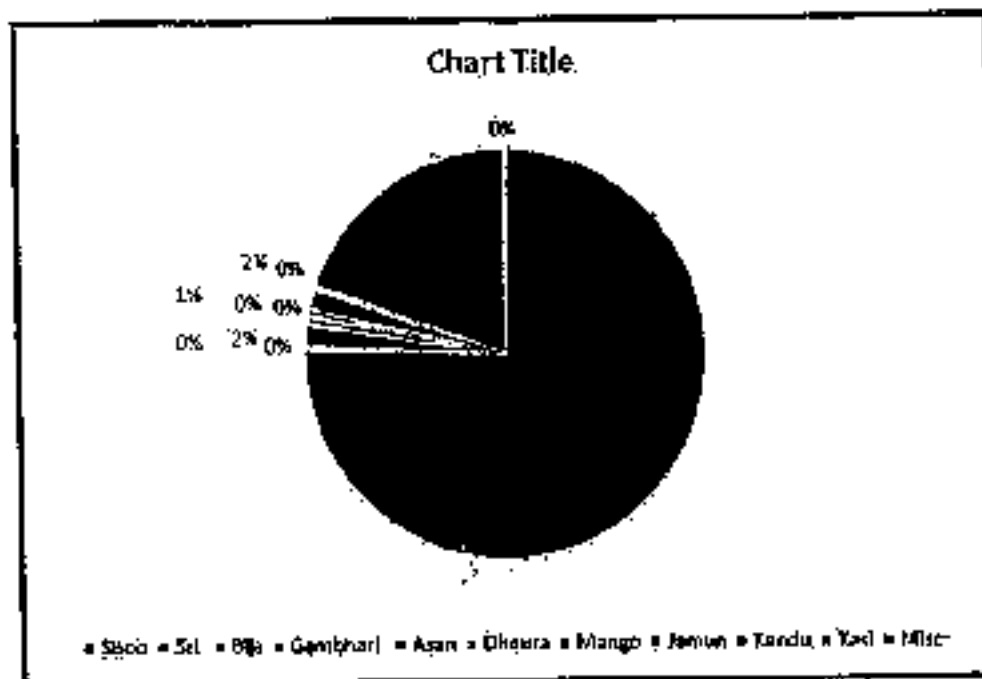
During mining process, it has been estimated that 12,015 trees (above 30cm GBH) will be removed after due forest clearance. The species wise / Girth Class wise trees those will be removed is furnished below (Number of trees predicted based on Sample enumeration carried out during forest diversion proposal processing)

Species	No of trees (Girth Class wise)						Total
	30-60cm	60-90cm	90-120cm	120-150cm	150-180cm	≥180cm	
Siron	22	8	0	0	0	0	30
Sal	7013	1445	336	124	71	51	9040
Bija	10	8	3	1	0	0	22
Gambhari	8	3	1	0	0	0	12
Asan	153	31	6	3	1	1	195
Dhaura	57	20	4	2	0	0	84
Mango	1	3	4	1		3	12
Jamun	35	7	3	1	1	2	49
Kendu	160	29	5	5	0	0	199
Kasi	34	2	2	0	0	0	38
Misc:	1723	413	81	57	31	29	2334
Total	9216	1969	445	194	104	86	12014
%	76.7	16.4	3.7	1.6	0.9	0.7	100.0

Table 4/ Species wise /Girth class wise trees removed



Besides the enumerated trees there are about double number of saplings / poles having <30cm GBI and not counted during enumeration.



Sal constitutes a major species of the forests within ML area. Miscellaneous species takes 2nd position. It indicates a rich biodiversity area.

3.2.6 Flora and Fauna:

Due to implementation of the project at the present stage about 194.683 ha of forests will be cleared for various purposes as per current revision Mining Plan / Scheme. It is a great loss to the locality which stood as a noise barrier and also a shield against noise created. The impact on flora & fauna could be summarized as below.



a) On Flora:

- i) Loss of massive flora (forests) of the locality,
- ii) Loss of Riparian Forests along the Topodihi naia within ML area (about 2.6 km on both sides.
- iii) Due to change of soil characters / more alkaline nature due to deposit of iron oxide on soil surface Sal growth status may be hampered
- iv) Mine water discharge may affect the soil moisture regime and consequently changing the crop composition i.e. from moist forests to miscellaneous dry forests (Already set in in the locality due to impact of various mines)
- v) Deposit of dusts on leaf surface will reduce photosynthesis in all section of plants resulting stunted growth.

b) On Fauna.

- i. More Noise generated due use of HEMM for mining in three shifts in a day (3x8x7)hrs, the animals sensitive to noise may vacate the adjoining forest i.e. Sidhamatha, Thakuran and Karo Reserved Forests.
- ii. Noise may affect animal communication mechanism and may bring loss of libido, loss of prey / predators escape / catch mechanism.
- iii. More PM₁₀ and PM_{2.5} in the immediate vicinity may induce respiratory disorders for animals.
- iv. Strong lights used for mine illumination may affect visibility of reptiles and animals of deer and cat family. It may lead to easy prey by hunters / predators.
- v. Ground vibration beyond a threshold limit (it varies from species to species) may affect animals and a scared psychosis may develop.
- vi. Enhanced traffic on roads may lead to animal death making roads from porous -deterrent- death zone depending upon time interval between movements of two vehicles.
- vii. Contaminated fodders (due to dust particles) may affect digestive system of animals.
- viii. Blasting noise may scare the avifauna of the area within 3-4 km and animals within a zone of 2 km.

3.2.7 Soil & Agriculture,

The soil pH, Compactness (Bulk Density) and Organic content in soil are important parameters to judge the health of soil and Agricultural crop productivity richness. The data monitored / recorded during EIA /EMP Report preparation indicates as follows.



Site specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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Station No	pH	Bulk Density	Water holding capacity (%)	Organic matter (in %)	Organic Carbon / Rating)
S1	5.34	1.31	31.95	1.07	0.40 (L)
S2	5.28	1.35	32.24	2.26	1.06 (H)
S3	5.29	1.28	31.92	2.24	1.05 (H)
S4	5.33	1.19	32.14	2.26	1.06 (H)
S5	5.39	1.24	32.48	1.25	0.50 (M)
S6	5.66	1.22	33.65	2.22	1.04 (H)
S7	5.78	1.20	35.62	2.24	1.05 (H)
S8	5.87	1.24	34.18	2.22	1.04 (H)

Table 4B Data monitored/recorded during EIA /EMP Report

Station No	Location	Type of land selected
S1	Near SW quarry area	Waste Land
S2	Sidhamatha RF	Forest Land
S3	Baisahi Village	Agricultural land
S4	Topadihi Village	Agricultural land
S5	Rengalbeda Village	Barren Land
S6	Malda	Agricultural land
S7	Laidapada Village	Agricultural land
S8	Panduliposi Village	Agricultural land

From the above analysis data it is observed that the soil is more acidic in nature. The water holding capacity is also low for a good cultivation. Soil is found to be compact and indicates towards a greater runoff. The compactness indicates towards a low-poor infiltration of water. Mining activities in this zone has already affected the soil characters and indicates a poor soil

3.2.8 Socio-Economic Impact:

a) Employment Avenue:

The proposed project will impact the social and economic conditions of the people of the region in terms of direct and indirect employment, skill diversification, infrastructure development, business development etc. Due to enhanced mining new / additional employment will be generated. The probable employment is furnished below.



Category of Staff	From OMC Ltd (Regular Staff)	Contractual (Regular Staff)	Total
Administrative & Technical Staff			
Mines Manager	1	0	1
1 st Class Mines Manager	2	1	3
2 nd Class Mines Manager	5	4	9
Mechanical Engineer	2	3	5
Electrical Engineer	2	2	4
Civil Engineer	1	1	2
Manager (Quality Control)	1	0	1
Geologist	3	0	3
Surveyor	2	0	2
Medical Officer	1	0	1
Others	14	0	14
OCP			
Foreman and Mate	15	15	30
Electrical supervisor, Electrician, Mechanical, Foreman, Mechanics, Welder, Tyrefitter, Tyre helper, JE Electrical, JE Civil & Shortfiter	12	38	50
Total	61	64	125

Table 49 Probable employment

Besides regular employment many indirect employment will be created. Now more and more people are engaged in other trades than agriculture due to attractive remuneration. The socio economic condition is quite better than average in this belt. Transportation based economy has also flourished in this area.

b) NTFP Dependency:

This tract of forests bears NTFP like Sia Leaf, Sal leaf, Mahua Flower, Sal resin (Jhuna), Honey, Mushroom etc. Due to mining and industrialization of this tract, many good forests either degraded or in the path of degradation. Moist Sal bearing forests are marching towards a dry deciduous forests. The annual quantum of collection in each NTFP items are reduced and not matching to alternative income on day to day engagement basis. Dependency of NTFP collection has been reduced substantially as it is not lucrative. However there are poor family which could not be engaged in other works are still depending on NTFP collection.

c) Resettlement & Rehabilitation:

There is land acquisition proposal over an area of 27.66ha in the village Topadihi, Loidapada and Guali. In Topadihi village there are families under R&R proposal, also



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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include the persons who have been allotted land under Basundhara Yojana by Govt. of Odisha. Further, R&R plan for proposed Project Displaced Families (PDFs) and Project Affected Families (PAFs) has been prepared adhering to Odisha Right to Fair Compensation and Transparent in Land Acquisition R&R Rules, 2013 and subsequent amendment from time to time. Total 232 Families and 3 Pvt. Companies viz. (i) Triveni Earth Movers Pvt. Ltd., (ii) Tarini Movers and Transport Pvt. Ltd. and (iii) Sushant Mineral Pvt. Ltd. will be affected by the expansion of Guali Iron Ore Mines Project. The number of PAFs and PDFs of the project are 232 households (HHs) excluding three Pvt. Companies who are under PDFs categories. This three Pvt. Companies will also lose both land and office buildings etc. and hence are counted under PDFs. Village wise and community wise (232 family) PAFs & PDFs is given below.

Village wise PAFs & PDFs for Guali Iron Ore Mines					
Sl No	Name of Village	PAFs(No)	PDFs (No)	Total	Remark
1	Topadihi	55	98	153	# Under PDF category three companies are included (96 family+3 Comp.)
2	Lajapada	63	01	64	
3	Guali	18	0	18	
	Total	136	99	235	

Table 5b Village wise PAFs & PDFs for Guali Iron Ore Mines

Social Category wise PAFs & PDFs for Guali Iron Ore Mines					
Sl No	Category	PAFs(No)	PDFs (No)	Total	Remark
1	General	0	02	02	(i) Triveni Earth Movers Pvt. Ltd., (ii) Tarini Movers and Transport Pvt. Ltd.
2	SC	07	0	07	
3	SI	106	90	196	(iii) Sushant Mineral Pvt. Ltd
4	OBC	23	04	27	
5	Company		03	03	
	Total	136	99	235	

Table 5a Social category wise PAFs & PDFs

Rehabilitation Assistance (RA):

Rehabilitation Assistance as laid down in the R&R policy as amended during 2018 is as follows.



Entitlements and assistance under R&R Policy		
Sl No	Entitlement	Assistance (One time)
1	Employment	One member of the original PDF and PAF losing all land in order of preference
2	Skill up gradation	One member of the original PDF and PAF losing all land in order of preference
3	One time cash assistance in lieu of employment	Category wise assistance is furnished in next table below.
4	Assistance for self-relocation (elsewhere other than the resettlement habitat)	Rs91,000/-
5	House Building Assistance	Rs2,73,000/-
6	Assistance for temporary shed	Rs18,200/-
7	Maintenance allowance	Rs3640/- per month
8	Transportation allowance	Rs3640/-

Table 52 Entitlements and assistance under R&R Policy

Category wise number of PDFs and PAFs in Project area & One-time cash assistance				
Sl No	Category	No of Families	One-time cash assistance (in Rs)	Amount in Lakh Rs
1	Category -I (PDFs)	16	9,10,000/-	145.60
2	Category -II (PDFs)	0	5,45,000/-	0.00
3	Category -III (PAFs)	97	3,64,000/-	353.08
4	Category -IV (PDFs)	0	1,82,000/-	0.00
5	Category -V (PDFs)	83	1,82,000/-	151.06
6	Category -VI (PAFs)	39	1,82,000/-	70.98
	Total	235		720.72

Table 53 Category wise number of PDFs and PAFs in project area.

Category wise assistance entitlement is furnished below. (No family under Category II (PDF) and IV (PDF))

Sl No	Entitlement	Category-I	Category-III	Category-V	Category-VI
1	RA in lieu Employment	910000/-	364000/-	182000/-	182000/-
2	Assistance for self-relocation	91000/-	NA	91000/-	NA
3	House Building Assistance	273000/-	NA	273000/-	NA
4	Maintenance allowance (Rs3640/ PM for 12 months)	43680/-	NA	43680/-	NA
5	Assistance for temporary shed	18200/-	NA	18200/-	NA
6	Transportation allowance	3640/-	NA	3640/-	NA
	Total	1339520/-	364000/-	611520/-	182000/-
	No of Family / Unit under	165	97	83	39

Table 54 R & R Assistance

\$ This includes 3 Company

Total R&R package involves Rs 10, 58, 58,480/-



3.2.9 Transportation & Traffic load:

The Annual Production is 5.70 MTPA. The entire produce is being transported to end users either by Road or Road & Rail combination. The nearest rail siding point is Barbil which is about 22 km from the Mine. On an average 60Ton capacity dumpers / lorry are being used for transportation of Ore from mining site to railway siding / end use plants. The number of lorry trip required at present is 95000 trip in a year. Taking 300 working days per annum, 317 trip dispatch of ore is envisaged.

During enhancement of production to 30 MTPA, it has been designed to transport fines (70%) by Slurry Pipeline and 30% lumps by road transportation. Hence 30% lumps which comes to 9 MTPA, lorry / dumpers will be engaged for transportation. Taking same capacity dumpers i.e. 60Tons, per day dispatch will be at a level of 500 trips per day. This is about rise of 58% traffic load. Slurry Pipeline work not yet started. It may take few years to be commissioned. Till that time the fines (about 21 MTPA) will also be transported by dumpers / lorry. On this eventuality, the traffic pressure will be tremendous.

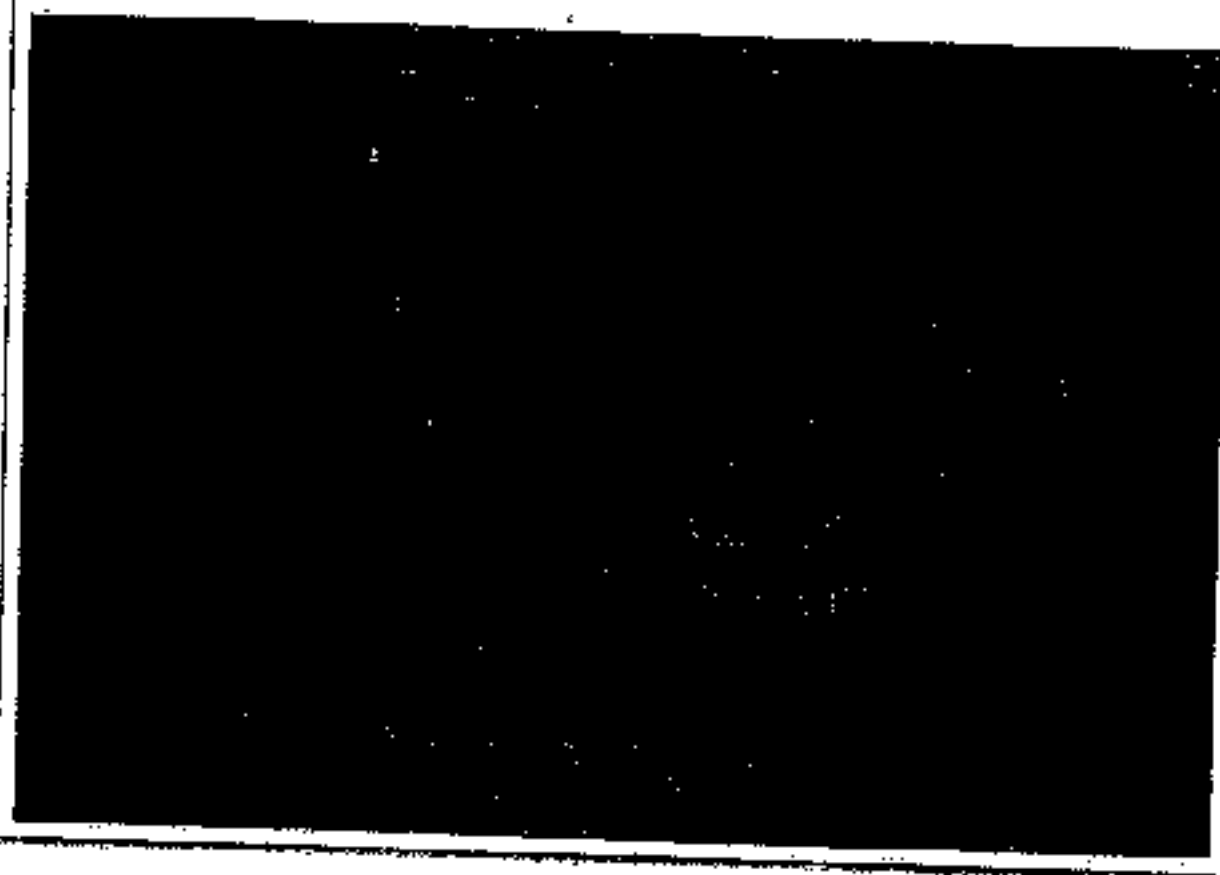




Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barhal Tahasil of District Keonjhar, Odisha.

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CHAPTER-IV IMPACT MITIGATION MEASURES





CHAPTER-IV

Impact Mitigation Measures

4.0 Introduction:

Guali Iron Ore Mine is an existing opencast mine and envisages the enhancement of iron ore production from 5.7 MTPA to 30.0 MTPA. Based on the available reserve and proposed exploitation rate, the life of the mine is expected to be about eight years. Positive impacts on the socio-economic environment are expected due to the creation of employment opportunities and development/improvement of infrastructure such as roads, schools, hospitals etc. A detail study has been conducted and basing on observations, the probable adverse impacts and mitigation measures as it relates to Flora & Fauna of the Zone of Impact are described below.

4.1 Adverse impact due to fugitive dust:

In any opencast mine, the main sources of air pollution are dust generated during handling of ore, OB, sub-grade and top soil at the surface and fugitive dust generated due to ore, OB, sub-grade and transportation through roads. Dust emission sources were identified based on mining activities of the proposed project. Following mining and material handling operations are source of dust emission

Sources of fugitive dust generation & emission are Drilling, Loading of materials into haul trucks, Unloading of materials from haul trucks/dumpers at stock yard/crusher and Vehicle (wheel) generated dust due to transportation of Ore, OB, Sub-grade and top soil. PM₁₀ and PM_{2.5} is being regularly monitored. As per recent AAQ monitoring report the RSPM concentration and other parameters recorded is furnished below.

Station Location	Period	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (µg/m ³)
AAQ-CZ-1	April-2022	72.0	43.20	10.9	21.9	0.39
AAQ-BZ-1	April-2022	72.9	43.7	19.2	23.1	0.40
AAQ-CZ-1	May-2022	73.1	43.8	12.3	23.2	0.42
AAQ-BZ-1	May-2022	74.2	44.5	15.8	24.3	0.42

Table 55 RSPM concentration and other parameters recorded



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Fugitive Dust Level					
Guali Mine	April-2022	SPM	574 to 598($\mu\text{g}/\text{m}^3$)	CPCB Norm	1200($\mu\text{g}/\text{m}^3$)
	May-2022	($\mu\text{g}/\text{m}^3$)	578-594 ($\mu\text{g}/\text{m}^3$)		
F-1	April-2022	SPM	481 to 498($\mu\text{g}/\text{m}^3$)		
	May-2022	($\mu\text{g}/\text{m}^3$)	482 to 499($\mu\text{g}/\text{m}^3$)		
F-2 (Haul Road)	April-2022	SPM	672-692 ($\mu\text{g}/\text{m}^3$)		
	May-2022	($\mu\text{g}/\text{m}^3$)	677-699 ($\mu\text{g}/\text{m}^3$)		
F-3 (Block-A Topadihi)	April-2022	SPM	672-692 ($\mu\text{g}/\text{m}^3$)		
	May-2022	($\mu\text{g}/\text{m}^3$)	677-699 ($\mu\text{g}/\text{m}^3$)		

Table 56 Fugitive Dust level

AAQ-CZ-1: Guali Iron Ore Mine; AAQ-BZ-1: Panculiposi village

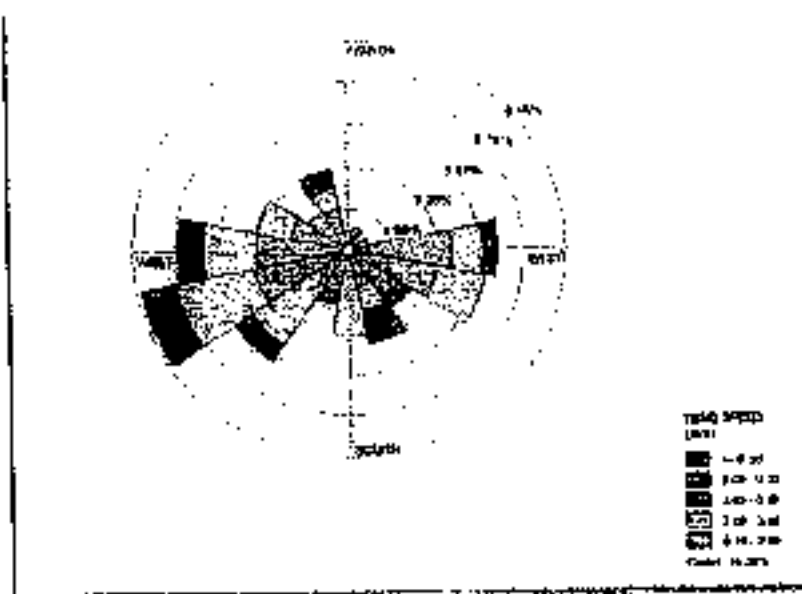
F-1: 1500TPH St. Screening site; F-2: Haul Road, F-3 Mine Pit (Topadihi Block)

The direction movement of RSPM / other gaseous components depends upon wind direction and velocity during the year. The directions / velocity as recorded are furnished below.

Wind speed (km/ hr)	Maximum	Percentage of Period	Speed / Velocity
Wind direction (%)	N	3.5	Maximum: 3.4km/hr Average: 2.8km/ hr (in normal situation)
	NE	10	
	E	5	
	SE	19.5	
	S	6	
	SW	17	
	W	5.5	
	NW	4	
	Calm	79.5	

Table 57 Wind direction /velocity recorded

The habitation / villages / animals on NE, SW and SE may be affected due to fugitive dust and other pollutants in air.



The RSPM matters are heavier than of other matters of same size as dust generated is from iron ore crushing / screening. The adverse impact due to RSPM / Fugitive dusts and other gases can be summarized as follows.

- It may cause respiratory problems in animal in a long run. Short exposure may not have any detectable effect.
- Deposition of air borne particles on leaf; grasses when taken by animals may create alimentary / digestive problems.
- Dust on leaf surface reduces photosynthesis and retarded growth of plants.

Mitigation measures:

As production of Ore will be approximately six fold than the present ore production the fugitive dust generation as well as RSPM particles in air will go up. The present system of dust suppression will continue and it may be upgraded to modern versions like water fog to arrest dusts instantly. Measures at different places / location suggested area

Storage Piles:

- Install wind breaks or barriers around the storage pile.

Material Transfer Points:

- Limit the material drop distance between the offloading point and stockpile to no more than 3 feet and restrict the flow of material using dead boxes, socks, and drop down spouts/sleeves.



- Install and maintain dust curtains around material transfer points, such as vehicle loading stations, to reduce air movement and isolate dust forming operations.
- Spray water or an approved dust suppressant at the conveyor feed during material transfer.
- Establish vehicle speed limits of no more than 15km/hr on paved surfaces.
- Apply water or an approved chemical dust suppressant on a regular basis.
- Limit vehicle speeds to 10km/hr in unpaved areas.
- Cover open-bodied trucks when the truck is carrying materials that can be released into the air.
- Install wheel wash stations near every vehicle exit location to minimize tracked material.
- Windbreaks, fencing and re-vegetation wherever practicable.



4.2: Adverse effect due to Blasting, Vibration & Noise:

4.2.1 Blasting

Blasting is an important operation to dislodge the ore body. Blasting has been in practice once in a day preferable in 12.00 noon to 1.00PM. Though modern techniques are used for low sound and less vibration, it has a lasting effect on avifauna.

4.2.2 Vibration

Anthropogenic disturbance is a major cause of the biodiversity crisis. Nevertheless, the role of anthropogenic substrate vibrations in disrupting animal behavior is poorly understood. Amphibians comprise the terrestrial vertebrates most sensitive to vibrations, and since communication is crucial to their survival and reproduction. Since females of several species prefer males with higher call rates, it is noticed that anthropogenically derived substrate-borne vibrations could reduce individual reproductive success.

Vibration due to traffic, blasting is affecting reptiles and prey and predators relation.

4.2.3 Noise

The mine will have sources of noise during Drilling, Blasting, Operation of HEMM & Vehicular Movement, Crushing & Screening plant and workshop.

The noise level recorded during six month (from April'22 to September'22) indicates as follows.



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

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During Day Time (Guali Iron Ore Mine)							
Location	Month (in dBA)						Average
	April, 22	May, 22	June, 22	July, 22	Aug, 22	Sept, 22	
Stationary Crusher	61.8	63.2	62.8	63.8	63.8	63.7	63.18
Work shop	64.6	62.8	62.6	63.8	62.9	63.9	63.43
Loading point	58.6	55.9	58.4	65.2	57.3	67.6	62.16

Table 58 Noise level (During day time)

During Night Time (Guali Iron Ore Mine)							
Location	Month (in dBA)						Average
	April, 22	May, 22	June, 22	July, 22	Aug, 22	Sept, 22	
Stationary Crusher	53.8	53.2	53.2	53.9	61.8	60.8	56.11
Work shop	58.2	59.8	60.8	55.8	57.6	61.3	58.91
Loading point	50.9	51.9	51.6	51.8	62.5	63.7	55.4

Table 59 Noise level (During Night time)

Area code	Location/Zone	Standard (Day Time (in dBA)	Standard (Night Time (in dBA)
(A)	Industrial	75.0	70.0
(B)	Commercial	65.0	55.0
(C)	Residential	55.0	45.0
(D)	Sensitive	50	40.0

Day time: 6.00 AM to 10.00 PM; Night Time 10.00 PM to 6.00 AM

Table 60 CPCB Noise Norm

The existing noise level (logarithmic averages) in the core zone, as measured is 66.2 dB(A) during day time and 52.6 dB(A) at night. Noise levels at the surface work zones were also measured and found to be well below 90 dB (A) for 8 hours exposure. Noise levels may increase marginally in core zone and some buffer zone villages due to proposed expansion project. Work zone noise level is expected to increase marginally due to increased production capacity, handling and transportation of ore.



Effect of noise on Wildlife:

The World Health Organization has stated that noise is one of the most hazardous forms of pollution. Studies have shown that loud noise can cause caterpillars' hearts to beat faster and bluebirds to have fewer chicks. Noise pollution makes it difficult for animals to use sound for navigation, finding food, mating, and avoiding predators, affecting many animals' ability to survive.

- 1. Communication:** Animals, like humans, use sound to communicate —many species have developed distinctive calls to warn others of danger, attract mates, or identify their own offspring or packs in a crowd. Recordings done by sound scape ecologists have suggested that the different species within a habitat have distinct sonic niches, sounding out their calls at different pitches or intervals than other species to ensure that they'll be heard. Humans can disrupt this balance during mining and allied operation.
- 2. Mating:** In many species (particularly birds and frogs), males rely on particular calls to attract mates. The most enticing calls are typically low-pitched, but some animals have been observed making their voices higher to compete with low-frequency noises like car engines. These less attractive vocalizations can lower the males' ability to find and keep mates. Additionally, the calls resonate through a smaller range in noisy environments, creating smaller breeding pools. Scientists have raised concern about how noise pollution could therefore lower population sizes and genetic diversity.
- 3. Navigation:** Nocturnal and aquatic species have adapted to their low-light environments in different ways. Bats and dolphins can echolocate, emitting calls at a certain frequency and using the echoes to identify obstacles and prey in the area. Human-generated noises (like traffic or HEMM) can disorient these animals, by either damaging their hearing or causing them to adjust the pitch of their calls in ways that don't provide as useful of echoes.
- 4. Foraging:** Animals like owls and cats have evolved complex ears to help them hear prey, but it's harder for them to do so in loud environments. Humans can barely perceive a one-decibel difference, but a study found that for every 1dB increase in noise, owls in the area were 8% less successful at catching prey. The psychological impacts of noise can also impact herbivore. One study found that noise drew in nectar-eating hummingbirds (increasing pollination) but deterred several



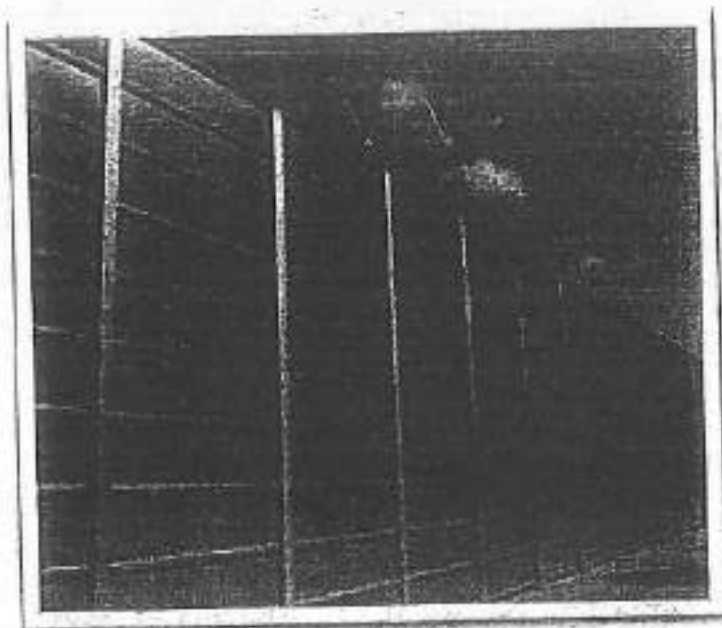
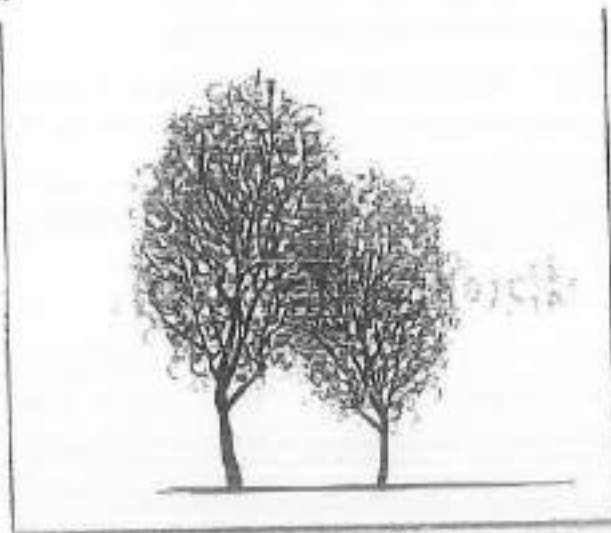


seed-eating birds (decreasing the spread of seeds), indicating that noise may have the potential to alter a habitat's plant community.

Mitigation measures:

It is suggested

- i. To plant trees of medium height along the Haul Road. Tall plants may be used by user agency to have an immediate effect.
- ii. Two row tree planting (One row dwarf tree and another medium size tree) suggested. Plant density 333 plants per KM (at an interval of 3m in staggered manner)
- iii. Provide makeshift Sound barrier around crushing & screening plants, loading & unloading sites.





4.3 Effect on Water regime:

The ground water table in the Mining lease area is 446 m AMSL in pre monsoon 450m AMSL in monsoon period. However the general Water table is 490m AMSL as per latest observation in the surrounding buffer zone borewells. Hence water table is likely to be punctured during 5th year i.e. 2024-25 of the plan period.

Based on the hydro-geological studies in and around the Guali Mine, it is observed that there are two hydro-geological units in the area namely, Iron ore bearing formations and Alluvial formations. The depth to water level in the buffer zone area (2 km) varies from 3.00 m bgl at Loidapada to 18.65 m bgl at Bhururkala. A shallow depth to water is observed in open dug wells around Topadihi, Loidapada, Rugudihi in the north-east; Baliasahi, Tamklasahi, Panduliposi in the west of lease. The depth of water increases gradually towards the south-east and is depicted to be more than 8 m bgl around villages Kohla Rurhukala Moti. The movement of groundwater, at some places, is retarded due to presence of minute and disconnected fractures and shaly formations underlying iron ore horizons. Due to dewatering of mining pits during 2021-22 – 0 KLD, 2022-23- 369.43KLD, 2023-24- 440.88KLD and 2024-25 -729.281KLD will affect the ground water table marginally.

There are nala / river within the zone of impact. Due to runoff from mine / mine discharge water and highway runoff, the surface water is likely to be contaminated. The Baitarani River water always presents turbid water in this locality. Consumption of Surface water by Animals / human being is not so conducive. As per surface water analysis during April,22 and May,22 for important components are as follows.

Surface water analysis Report (April, 2022)						
Parameter	Unit	Prescribed threshold limit	SW1	SW2	SW3	SW4
pH at 25°C		6.0-9.0	7.18	7.33	7.12	6.94
Turbidity	NTU	Clear	20.6	23.2	27.8	24.1
Oil & Greases	mg ⁻¹		BDL <0.6	BDL <0.6	BDL <0.6	BDL <0.6
Fluoride as F (Max)	mg ⁻¹	1.5	1.64	0.21	1.42	1.68
Iron as Fe (Max)	mg ⁻¹	50	0.94	0.88	0.66	0.78

Table 61 Surface water analysis report (April 2022)



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Parameter	Unit	Prescribed threshold limit	SW1	SW2	SW3	SW4
pH at 25°C		6.0-9.0	7.24	7.38	7.23	7.02
Turbidity	NTU	Clear	23.8	24.6	28.4	24.8
Oil & Greases	mg ⁻¹		BDL <0.6	BDL <0.6	BDL <0.6	BDL <0.6
Fluoride as F (Max)	mg ⁻¹	1.5	1.54	0.21	1.42	1.68
Iron as Fe (Max)	mg ⁻¹	50	0.06	0.89	0.72	0.84

Table 62 Surface water analysis report (May 2022)

Station Symbol	Location
SW1	Karo River Upstream (21°59'36" N, 85°16'34" E)
SW2	Karo River Downstream (21°60'02" N, 85°16'32" E)
SW3	Topadihi River Down Stream (21°59'40" N, 85°17'47" E)
SW4	Topadihi River UP Stream (21°59'25" N, 85°18'13" E)

From analysis report, the situation is quite normal at present. After enhancement of production there is possibility of more turbid water and contamination with heavy metals. This may affect animal health in a long run.

Diversion of Nala:

Topadihi Nala flowing within the ML area is proposed to be diverted. From point of entrance to ML area the nala will be channelized just near to Safety Zone. The channel will be of Cement concrete. The riparian vegetation observed along the nala will be sacrificed. This cannot be replenished along the diverted nala. This is a loss of natural riparian habitat.

4.4 Traffic Pressure & Impact:

The Production projected is from 5.7 MTPA to 30.00 MTPA which is about 426% enhancement. At present both lumps ore and fines are being transported by Road or Road & train combination. During enhanced production only lumps i.e. 9 MTPA is proposed to be transported by Road or Road & Train combination. Rest 21MTPA (All fine ores) will be transported through Slurry Pipe lines. If slurry pipeline is commissioned in time the actual traffic pressure will be enhanced by 57%. This traffic load will enhance air pollution by way of exhaust gas release, Air born dust due to tyre friction.



Mitigation Measures:

National Highway 520 (old NH-215) passing adjacent to Guali Iron Ore Block, which is in final stage of completion as a 4 lane road. The road is connecting from Panikoilli to Rajamunda via Keonjhar, Rimuli, Joda, and Koira. The NHAI is taking up adequate tree planting on Road sides and central verge at per Indian Road Congress -2009 guidelines. The traffic pressure generates pollutants and felt at a distance of 1km from the Road. To augment dust holding efficiency, it is proposed to take up avenue plantations along available rural roads.

4.5: Effect of Strong Illumination (Light):

The mine will operate in three shifts i.e. throughout the clock and throughout the year (24x7). For night shift working strong light / Tower Light arrangements need to be installed. The strong light in the project premises during night may cause disturbances to the fauna in the nearby areas.

Mitigation Measures:

It has been planned that all the light posts erected along the boundary of the ML area will face inwards and down wards (with reflectors facing the mine area and downwards), so that the light does not spreads outside the ML boundary.

4.6 Impact on Flora:

Due to mining operation the effect on flora can be summarized as follows.

- Loss of trees mainly Sal and its associates of a Moist Sal Forest and loss of Biodiversity.
- Loss of Riparian Flora due to diversion of Topadihi Nala,
- Ground water depletion may affect composition of Plant community and may face induction of dry species replacing moist one.

Mitigation Measures:

It is proposed to develop riparian flora along the Baitarani Rover bank.

4.7 Impact on Fauna:

The impact on Fauna is briefly described as below,

- ❖ Scaring of animals and departing from the area.
- ❖ Disturbances in prey & Predator relation.
- ❖ Poor transmission of Animal communication resulting poor reproductive and genetically poor breed.



- ❖ Suffering from respiratory / digestive disorders in animals / birds etc.
- ❖ Reduced Avifauna concentration.
- ❖ Poor & inadequate water and fodder to animals.
- ❖ Attraction of light endangered live of wild animals.
- ❖ Crushing of snakes by speedy trucks / lorries.
- ❖ Death of animals due to Road accidents.
- ❖ Fall of animals in quarry pits.

Mitigation measures:

- (i) Quarry pits / Forest interface to be fenced either solar fencing or barbed wire fencing to avoid animal fall,
- (ii) All mining lighting arrangements are to be focus inward and no reflection / light towards forest to be completely checked.
- (iii) Road signage indicating probable movement / presence of animals to be fixed for knowledge of Drivers.
- (iv) All efforts to reduce noise originating from HEMM, Lorries etc ,
- (v) Enhance water facility within Forest Blocks i.e. Sidhamatha RF and Karo RF.
- (vi) Adoption of artificial bird nest fixing in and around mining area in comparable No-Disturbance zone,

4.8 Reduced NTFP Availability and Economic Impact:

Reduction of NTFP collection due to poor availability in Forests is affecting the additional income of Poorest of Poor. There are certain NTFP items for which there are no substitute to bridge the gap. These are Sal resin (Jhuna), Honey, Siali fiber for Kendu leaf Processing & binding, medicinal & aromatic plants (MAP). Availability of mushroom from forest floor has also reduced due to physical / chemical character of soil surface, Top soil.

Mitigation measures:

Alternate IGA (Income Generating Activities) for tribal's are to be implemented through this plan prescription. Under OFSDP Program, the IGA Skill up-gradation are being implemented and found to be accepted and in practice by many SHG. This aspect will be supplemented under this plan.



4.9 Activities being implemented & Result:

4.9.1 Wildlife Conservation Plan approved & Implementation:

One Site Specific Wildlife Conservation Plan was approved by the PCCF (WL) & Chief Wildlife Warden, Odisha vide Memo No 321 dated 17.01.2009 in compliance to Environment clearance condition of MoEF vide letter no J-11015/1155/2007-1A (M) of 08.05.2008. The approved plan projected Cost was Rs 277.00 Lakh for both interventions to be implemented within ML area & outside and to be implemented by the DFO, Keonjhar. The approval Order is at Annexure X. The amount has been deposited vide DD 023887 dated 03.03.2010 for Rs 2, 71, 80,856.00 IndusInd Bank, Kolkata CAF, Orissa A/c No. 1585 of Corporation Bank, CGO Complex, New Delhi

The interventions approved were as follows

A	Activities to be taken up by the Divisional Forest Officer inside the lease hold area	Amount in Lakh Rs
1	Fire Protection including wages of Fire watchers etc.	6.00
2	Photo Voltaic [Solar Fencing] to avoid straying of wild animals in to mining area	7.00
3	Habitat Improvement including salt lick / Soil conservation measures like check dam, rain water harvesting etc.	10.00
4	Filing blanks with suitable plantations	5.00
5	Public awareness about mining & wildlife protection	5.00
6	Game tank-1 No	4.00
7	Other unforeseen expenses	2.00
8	Activities to be taken up by the Divisional Forest Officer outside the lease hold area within 10 Kms radius of buffer zone.	Amount in Lakh Rs
1	Protection of Forest including support to the VSS / boundary maintenance etc	5.00
2	Fire Protection for 10 years including wages of the fire watchers	6.00
3	Purchase of Vehicle & PQL etc	10.00
4	Creation of game tanks and renovation and maintenance of Old Game tanks, water bodies, wallowing grounds etc in interior forest areas	25.00
5	Habitat Improvement large scale plantation preferable with fodder, bamboo, fruit bearing species and development of grass land / meadows including watch & ward for 5 years at least over 200 Ha	60.00
6	Distribution of seedlings to public in various villages	20.00
7	Public awareness / Capacity building	5.00
8	Protection / Anti depredation squad with cost of equipments, incentive etc.	25.00
9	Corpus fund for paying compassionate grant and wildlife depredation control measures at the time of exigencies on man-wildlife conflict	15.00
10	Solar fencing its maintenance	10.00



11	Immunization of live stock	2.00
12	Development of communication network / GIS based maps, Satellite maps on GIS Domain should be procured every year to know the changing profile of the project area / project impact area in both dry season and wet season for 10 years preferable using the GIS lab of PCCP (WL) Office	10.00
13	Pollution control and monitoring mechanism to be developed in consultation with State Pollution Control Board	10.00
14	Development of infrastructure like VHF sets / Towers/ watch towers, communication equipments like telephone / computers, peripherals, environmental campaign equipments, repair of staff quarters and maintenance.	15.00
15	Ecc- Development / Income generating activities	15.00
16	Unforeseen & Miscellaneous	5.00
	Total	277.00

(Rupees Two Crores Seventy Seven Lakh Only)

Table 63 Interventions approved

Though the funds has been deposited by the then lessee, no funds has been utilized during plan period and beyond till date. Rs 519144/- has been used for procuring a vehicle for supervision of Work.

4.9.3 Other interventions implemented / being implemented by present User Agency.

- Green belt Plantation (in Safety Zone), Dump stabilization, planting along the haul roads is being implemented and will continue.
- Rain water harvesting, Roof top rain water harvesting are being implemented.
- For avifauna conservation, artificial birds nest for sparrows have been fixed in asbestos roof, on tree branches etc.
- Serving water to birds in dry months by placing bath tubs for birds.
- Springing of water on haul roads etc being implemented as per Mining Plan prescriptions



4.10 Summary of mitigation measures to be implemented by User Agency:

The User Agency (OMC Ltd) will implement the following interventions within ML area for wildlife conservation measures.

4.10.1 General activities suggested:

- Steps to be taken to reduce noise, fugitive dust generation within ML area,



- (ii) Provide sound barriers near Crushing & Screening Plants,
- (iii) Solar fencing on Mining Pit and Forest Interface to eradicate any fear of accidental Wild animal fall.
- (iv) For dust suppression water fog instruments to be introduced along with traditional measures to make dust suppressing more effective.
- (v) Mining Light arrangement / fixing is to be so planned so that no light is spread towards nearby forests.
- (vi) No turbid runoff is directly discharged to Topadoh! nala which meets Karo River at very near to Mining area.
- (vii) Blasting to be regulated / carried out in day time (Preferable in between 12.00 noon to 2.00 PM). Blasting in morning / evening / night to be completely avoided.
- (viii) Low pitch blasting devices to be used.
- (ix) Tree planting along the haul road to be intensively implemented. Two tire tree planting model to be practiced.
- (x) Status of Flora & fauna in each of the regions shall be assessed on annual basis and report to DFO, Keonjhar. The study shall be conducted in consultation with State Forest and Wildlife Department (Annually in Mining Zone and once in 3 years in the region)

4.10.2 Other Specific Interventions Suggested:

(i) Implementation of "Jana Surakhya, Gaja Rakshya" Scheme:

This is primarily Solar Fencing with Community Participation in Elephant Conflict area. The objectives are

1. To prevent entry of wild elephants in to human habitation.
2. To make communities partner in addressing Man- Elephant Conflict.

Under this scheme, solar fencing shall be erected along the forest boundary / Village / hamlet boundary to prevent the entry of elephants in to human habitations. The length of Solar Fencing will be decided by villagers in consultation with Local Range Officer / Forest Officials. Out of total estimated cost 10% will be the community share and 90% will be of User agency share. The solar fencing will be implemented by empanelled



agency of Forest department / selected by DFO, Keonjhar basing on track records. After execution, the solar fencing will be handed over to community / villagers for its maintenance / upkeep. It is expected to be effective for 5 years (Plan period). It will be implemented in two identified villages & probable solar fencing is @2km per village. Total solar fencing is on the approximate distance of 4 km ($\pm 10\%$). The villages to be covered will be intimated by Range Officer and modalities will be decided in a joint meeting with villages and Forest Range Officer. It will be implemented in the 1st year of the plan period along with maintenance for five years.

(ii) **Providing mobility to frontline Staff:**

The frontline staffs / squad members are constantly tracking the movement of elephants and keep a vigil eye on Human- Wildlife Conflict. The user agency will provide a hired vehicle and required Fuel & Lubricants (Pol) at project cost. The user agency will provide this facility for an effective management of wildlife and conflict resolution as per instruction of Local Forest Officials / Divisional Forest Officer, Keonjhar.

4.11 Wildlife Management Problem Mitigation Measures and Strengthening Wildlife Management:

Besides the interventions suggested above for intervention purpose, there are known issues being faced by Field staffs and need to be addressed in this plan. The interventions proposed are furnished Division wise as follows.

Approved



Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden
Odisha, Bhubaneswar



Interventions to be Implemented by Keonjhar Division

4.11.1 Improvement of Habitat:

A) Habitat Improvement

I. Development of Meadows;

Reduction of grass land in both forests and village limitations has posed a problem for domestic animals as well as wild animals including avifauna. It is proposed to develop available Gochar Lands / Government vacant lands and improve grass availability. Doob grass is quite appreciable and sustainable at the present scenario. 10 ha of grass land development either in forest limits or village limits or both. A sum of Rs 45000/- during 1st year (Creation Year) and maintenance in 3rd year and 5th year @ Rs 15000 /- per ha per year is proposed. Hence a sum of Rs 75000/- per ha is required. For 10 ha a sum of Rs 7.50 lakh is proposed in this plan.

4.11.2 Protection & Surveillance:

II. Deployment of Additional Manpower (Squad):

For protection & surveillance over animal movement / Man- Animal conflict, it is proposed to provide additional man power 5 people for Barbil Range and 5 people for Champua Range on a consolidated remuneration of Rs 12,500/- Per month. They will assist the Range staff in day to day wildlife tracking / reporting and resolving Man-Animal conflict issue with Forest Staff. For 5 years a sum of Rs 75.00 lakh (0.125*60*10) is proposed in this plan.

4.11.3 Human- Elephant Conflict Resolution:

(i) Deployment of Gajasathi - a Participatory approach :

Barbil and Champua Range are very important range from Human- Elephant conflict due to proximity to Singhbhum West Elephant Reserve. It is proposed to deploy Gajasathi in 10 villages 5 villages in Barbil Range and 5 villages in Champua Range to keep a watch on elephant movement and take appropriate steps to resolve Human- Wildlife Conflict. Associated expenditure will be incurred as follows.

1. Rs 60000/- to each selected VSS/EDC for 12 months.
2. Supply of Uniform and other logistics

a	T.Shirt	2nos	@Rs 350.00	Rs 700.00	05 persons/village	Rs 4250/-
B	Cap	1no	@Rs 50.00	Rs 50.00		
c	Water Bottle	1no	@Rs 100.00	Rs 100.00		
			S. Total	Rs850/-		



d	Rs 2500/- for training of each VSS/EDC.
e	Rs 8500/- towards equipments per each VSS/EDC.

Table 64 Cost breakup for Deployment of Gajasathi

Total fund required for 1 VSS per year is 75,250/-.

For 5 years for 10 VSS the funds requirement is (75,250/-*10 VSS*5 Yr) Rs 37,62,500/-.
Accordingly a sum of Rs37.625lakh is provided under this plan.

(ii) Providing Solar Street Light:

Solar Street Light is being used to keep away elephants / wild animals from habitation. It will be a deterrent effect and help protecting House damage Human injury in very early morning. It is proposed to provide 50 street lights in 10 villages @ 5 lights per village. A sum of Rs15.00 lakh is proposed in this plan @Rs30000/- per light.

4.11.4 Public Support & Awareness:

i. Distribution of Metal Grain bin.

In crop lean period elephants move towards village and strike at Paddy Stacks in "Dhana Khala" and harvested paddy / processed rice in houses. The houses on forest fringe are easy target of elephants. To protect the village's paddy, rice from elephants target, it is proposed to distribute "Metal Grain Bin" to villagers having Kachha house in elephant prone affected villages. 100 numbers of Grain bin (1 Quintal capacity) @Rs3500/- will be provided. A sum of Rs 3.50 lakh is proposed in this plan.

V. Mo Jungal Mo Parivesh Yojana

Mo Jungal Mo Parivesh Yojana is an awareness campaign program launched in Keonjhar Division. Under this scheme the main target groups are School Children and Villagers. Under this program it is proposed to conduct awareness cum interactive sessions / classes with the target group. This will spread the message to students on "Forest - Wildlife - Environment" interdependency and need of the time to protect Forests for better environment. For each interactive camps Rs15000/- will be allotted. Every year 10 such interactive camps will be conducted. In 5 years 50 camps will be organized. Hence a sum of 7.50 lakh is provided in this plan.

To make interactive sessions more effective IEC materials / Audio Visual aids will be used. For this purpose a sum of Rs 2.00 lakh (@Rs40000/- per year) is provided in this plan.



Site Specific Wildlife Conservation Plan for Guait Iron Ore Mine of OMC Ltd. located at village Guait etc under Barbil Tahasil of District Keonjhar, Odisha.

OMC

4.12 Abstract of Interventions (Keonjhar Division)

Abstract of Interventions (Keonjhar Division)						
Sl No	Description	Unit	Rate	Quantum	Amount in Lakh Rs	Remark
A	Habitat Improvement					
1	Development of Meadows	Ha	0.75L	10	7.50	Available Gochar lands / Government vacant lands
B	Protection & Surveillance:					
2	Deployment of Additional Manpower (Squad)	No	0.125L per Month	10*60	75.00	In Barbil and Champua Range
C	Human- Elephant Conflict Resilution:					
3	Deployment of Gaja Sathi	Village	Rs75250/- Yr	10*5	37.625	In Champua and Barbil range: Cost Break Up: Assistance to VSS for 12 months per Yr; Rs60,000/-, Uniform & logistic for 5 person @850/- per person - Rs 4250/-, Training 2500/- per Village and Rs 8500/- per village for equipments.
4	Providing Solar Street Light	No	0.30L	50	15.00	In 10 villages @5 no per village or as required
D	Public Support & Awareness:					
5	Distribution of Metal Grain Bin (1 Qts) capacity	No	3500	100	3.50	To villagers having Kachha house in elephant prone affected villages

(Signature)
Divisional Forest Officer
Keonjhar Division



Site Specific Wildlife Conservation Plan for Golden One Mine of DMC Ltd located at village Guaff etc under Bantil Tehsil of District Keonjhar, Odisha.

DMC

6(a)	Mo Jungal Mo Parivesh Yojana: (interactive Camps / Classes)	No	C:15L	50	7.50	Target Group: Students, Villagers @ 10 camps per Year
7(b)	Distribution of IEC materials	Annual	D:40L	5	2.00	To be provided in Mo Jungal Mo Parivesh Yojana (interactive Camps / Classes)
	S. Total				148.125	
	20% towards cost escalation				29.625	
	Total				177.75	

(Rupees One Crore Seventy Seven Lakh & Seventy Five Thousand Only)

Table 65 Abstract of Interventions (Keonjhar Division)


Divisional Forest Officer
Keonjhar Division



Interventions to be Implemented by Bonai Division

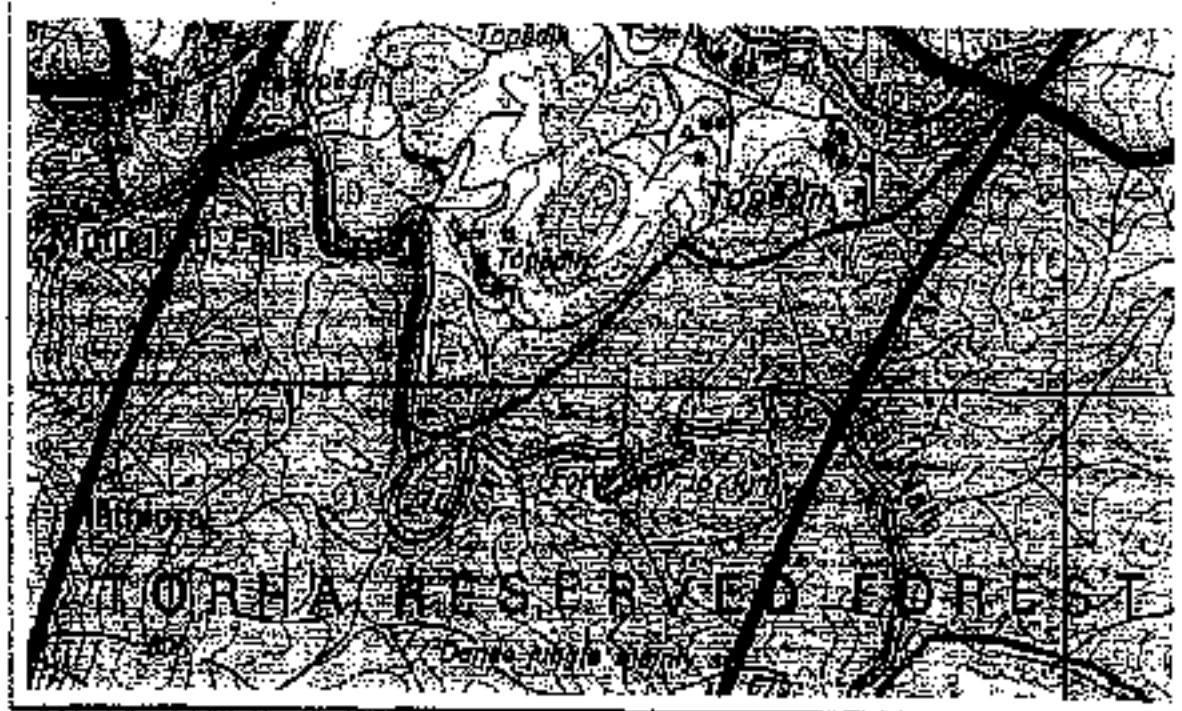
4.13: (A) Habitat Improvement:

(i) Enrichment by Bamboo Plantation (Seed Ball Method):

The Forest Blocks coming within Zone of Impact and additional Zone of Impact are Mendhamaruni RF, Torha RF, Kathamal HF and Karo RF. There are revenue forests also in the Zone of Impact and Additional Zone of Impact. It is proposed to enhance fodder availability by plantation of Bamboo preferable through Bamboo Seed ball method. A seed ball concentration of 1760 balls (1600 +10% for casualty) per hectare is recommended. Each Seed ball will cost Rs25/-. Hence per ha the cost proposed is $Rs25/- * 1760 = Rs 44000/-$. The enrichment is to be carried over 20 ha. Hence a sum of Rs 8.80 lakh is proposed in this plan.

(ii) Construct Check Dams

Under Soil & Moisture Conservation it is proposed to construct Check dam preferable on Toral Nala. The width of Nala is about 5m. For Check Dam a sum of Rs15.00 Lakh is proposed in this plan. It will help improvement of vegetation and increase availability of water to animals during summer.





(B) Protection & Enforcement:

(i) Establishment of Portable Highway Camp Shed (National Highway-215)

National Highway 215 is passing through forested areas of Bonai Division. Patrolling squad on highways required short resting places along the highway. It is proposed to construct portable camp sheds (using Pre fabricated materials) with all logistic facilities like Water supply, Tube well, solar light, bedding facilities, boundary / barricading facilities also. It is proposed to have 2 such Highway camp along NH-215 at a cost of Rs 30.00 lakh @Rs10.00 Lakh per camp. Hence provision of Rs30.00 Lakh is made accordingly.

(ii) Improvement of Communication Net work:

a) Installation / Improvement of Main Station.

It is proposed to strengthen / Install Main VHF station at Forest Range Head quarters, Koira to improve VHF Connectivity in the Range / division. After installation it will also be maintained for 5 years u.e. throughout the Plan period. A sum of Rs24.00 Lakh @Rs12.00 lakh per Station for 2 VHF Station is proposed in this plan.

b) Providing Walky – Talkies:

In order to strengthen communication with interior / remote areas of the division, it is proposed to provide Wacky- Talky at a cost of Rs 15.00 Lakh @Rs0.30 Lakh per set for 50 units / set.

(C) Human- Elephant Conflict Mitigation:

(i) Deployment of Gajasathi - a Participatory approach:

Koira Range is very important range from Human- Elephant Conflict due to proximity to Singhbhum West Elephant Reserve. It is proposed to deploy Gajasathi in 5 villages to keep a watch on elephant movement and take appropriate steps to resolve Human-Wildlife Conflict. Associated expenditure will be incurred as follows.

1. Rs 60000/- to each selected VSS/EDC for 12 months.
2. Supply of Uniform and other logistics:

a	T.Shirt	2nos	@Rs 350.00	Rs 700.00	05 persons/village	Rs 4250/-
b	Cap	1no	@Rs 50.00	Rs 50.00		
c	Water Bottle	1no	@Rs 100.00	Rs 100.00		
			S. Total	Rs850/-		
d	Rs 2500/- for training of each VSS/EDC					
e	Rs 8500/- towards equipments per each VSS/EDC					

Table 66 Cost breakup for Gaja Sathi



Total fund required for 1 VSS per year is 75,250/-.

For 5 years for 5 VSS the funds requirement is $(75250/- * 5 \text{ VSS} * 5 \text{ Yr})$ Rs 18, 81,250/- or Say Rs18.82Lakh. Accordingly a sum of Rs18.82 lakh is provided under this plan.

(ii) Installation of Solar Street Light:

Solar Street Light is being used to keep away elephants / wild animals from habitation. It will be a deterrent effect and help protecting House damage Human injury in very early morning. It is proposed to provide 100 street lights in twenty elephant affected villages @ 5 lights per village. A sum of Rs 30.00 lakh is proposed in this plan @Rs 30000/- per Light.

(iii) Distribution of Metal Grain bin.

In crop lean period elephants move towards village and strike at Paddy Stacks in "Dhana Khala" and harvested paddy / processed rice in houses. The houses on forest fringe are easy target of elephants. To protect the villager's paddy, rice from elephant's target, it is proposed to distribute "Metal Grain Bin" to villagers having Kachha house in elephant prone affected villages. 100 numbers of Grain bin (1 Quintal capacity) @Rs3500/- will be provided. A sum of Rs 3.50 lakh is proposed in this plan.

(D) Public support & Awareness:

It is proposed to impart training and create awareness among villagers / VSS Members Students of educational institutions/ Village level volunteers for wildlife Conservation and Protection. A sum of Rs25.00 lakh is provided @ Rs 5.00 lakh per year (Every year 5 camps will be organized at different parts of the Division / Range). Audio Visual training materials will be designed and prepared for a better communication to the target group.



Site Specific Wildlife Conservation Plan for Guall Iron Ore Mine of OMC Ltd. located at village Guoli etc under Barbil Tahsil of District Keonjhar, Odisha.

OMC

4.14 Abstract of Interventions (Bonai Division)

Abstract of Interventions (Bonai Division)

Sl No	Description	Unit	Rate	Quantum	Amount in Lakh Rs	Remark
A	Habitat Improvement					
1	Enrichment by Plantation: Planting of Bamboo (preferably seed Bal Method)	Ha	0.44 L	20	8.80	Enrichment of forests by bamboo Seed ball (1600 Seed ball +160 seed ball for casualty etc) @Rs2.5/- per seed ball.
2	Construct Check Dam: (Masonry)	No	15.00L	1	15.00	On Torah nala / Torah RF
B	Protection & Enforcement					
3	Establishment of Portable Highway Camp-Shed (NH-215)	No	15.00	2	30.00	To be Constructed from Pre fabricated sheets, with Solar light, Drinking Water, Bed Roll and boundary wall etc
4	Improvement of Communication Net work:					
a)	Installation of main VHF Tower	No	12.00L	2	24.00	At Forest Range / Division Headquarter, Kaira For Communication with Interior pockets not accessible by Mobile phones.
b)	Providing Wacky-Talky	No	6.30L	50	15.00	
C	Human- Elephant Conflict Mitigation					
5	Deployment of Gajasathi - a Participatory approach:	village	75250/- per village per year	5 *5	18.82	Cost Break Up: Assistance to VSS for 12 months per Yr: Rs60000/-, Uniform & logistic for 5 person @950/- per person - Rs 4250/-, Training 2500/- per Village

**Divisional Forest Officer
Bonai Division**



Site Specific Wildlife Conservation Plan for Guait Iron Ore Mine of OMC Ltd located at village Guait etc under Barbil Tahasil of District Keonjhar, Odisha.

OMC

		No	0.301	100		and Rs2500/- per village equipments.
5	Installation of Solar Street Light:					In 20 villages @5 lights per village mostly in Elephant affected villages
7	Distribution of Metal Grain Bin (1 Qts) capacity	No	3500	100		To villagers having Kachha house in elephant prone affected villages
D	Public support and awareness:					
	Training and create awareness among villagers / VSS Members					
8	Students of educational institutions/ Village level volunteers for wildlife Conservation and Protection.	Annual	5.00 L	5	25.00	Audio Visual training materials will be designed and prepared for a better communication to the target group. To be organized in different Ranges.
	S. Total				170.12	
	20% towards cost escalation				34.024	
	Total				204.144	

(Two Crore Four Lakh Forteen Thousand & Four Hundred Only)

Table 67 Abstract of Interventions (Bonai Division)

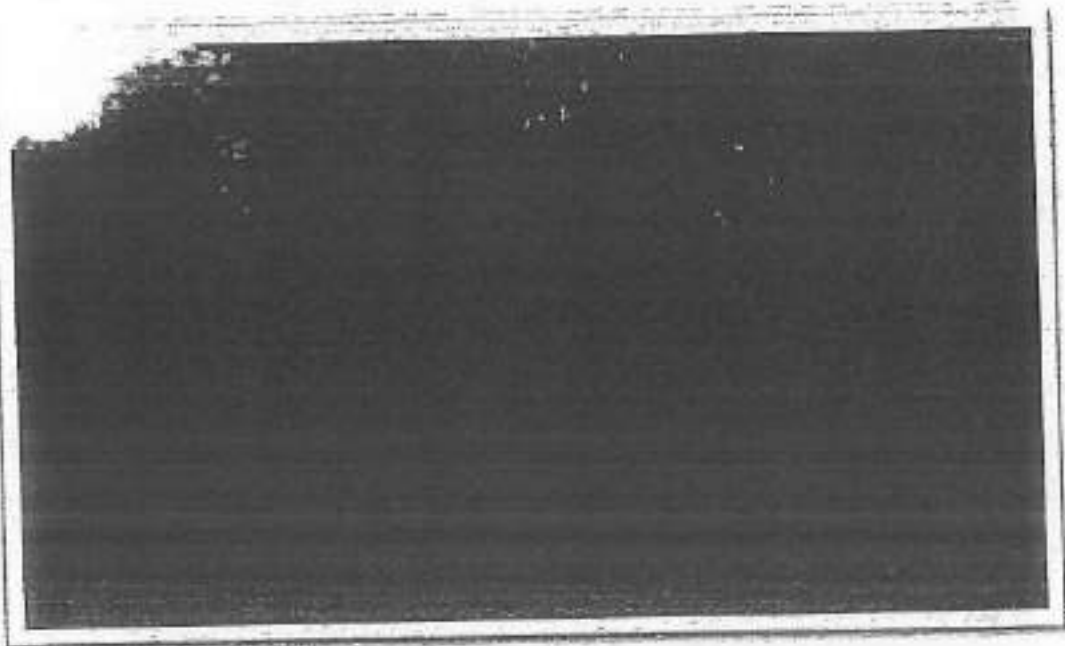


Divisional Forest Officer
Bonai Division



CHAPTER-V

Animal Passage Plan

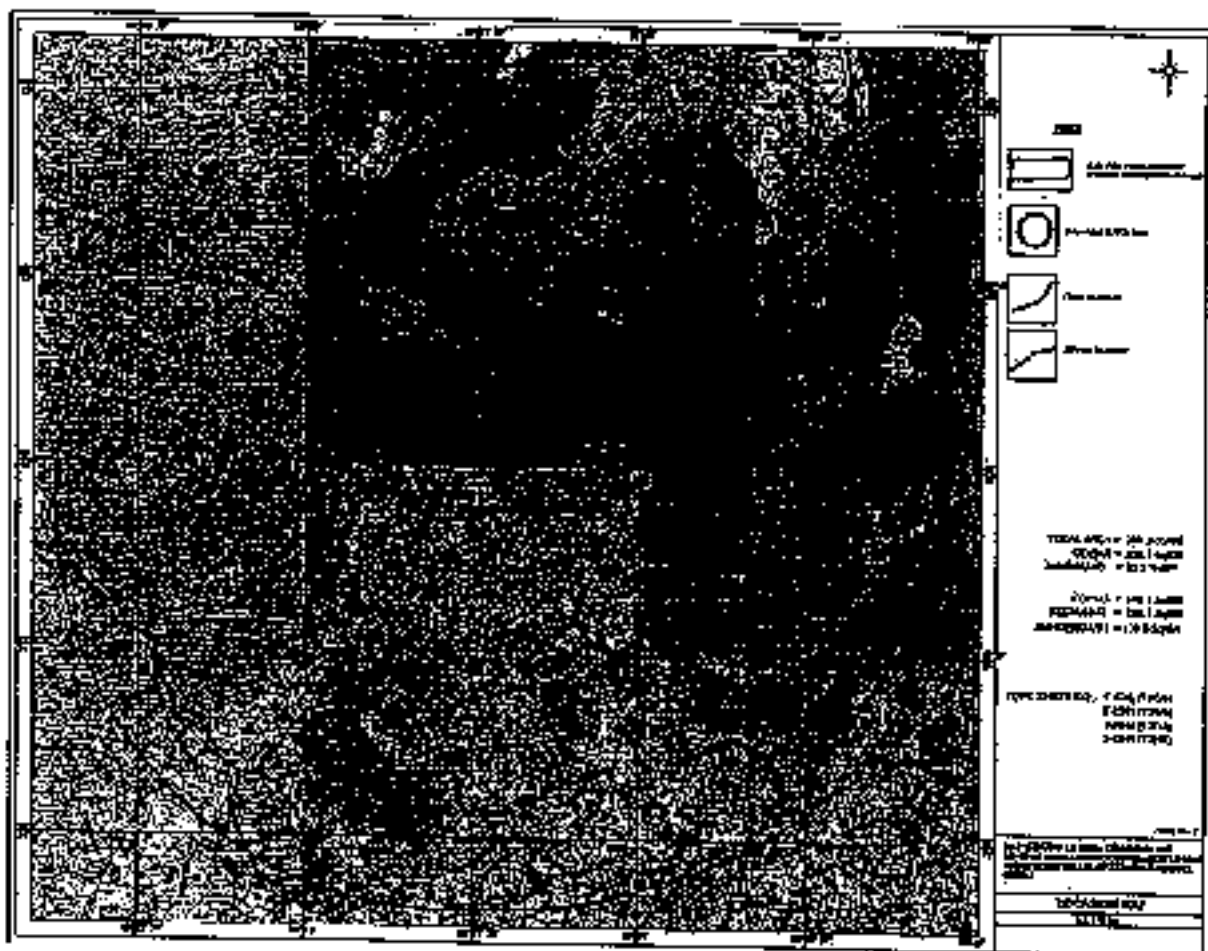




CHAPTER-V Animal Passage Plan

5.0 Introduction:

The project is a non linear one. The location of the project is neither on any wildlife Corridor nor on any "Hati Chala Patha". No passage plan has been suggested.



5.1 Precautionary measures:

Barbil Range area is adjacent to Singhbhum West Elephant Reserve. Frequent movement of Elephant is experienced in a very erratic and scattered manner. The Divisional Forest Officer, Keonjhar has issued an advisory as follows.



Site Specific Wildlife Conservation Plan for Gumli Iron Ore Mine of OMC Ltd located at village Gualt etc under Barbil Tahasil of District Keonjhar, Odisha.

OMC

"If you spot elephants near your village, please dial 6370592099. This alert message from Keonjhar Divisional Forest Officer (DFO) is now being sent to people to warn them about the movement of elephant herds in their locality/ near villages."

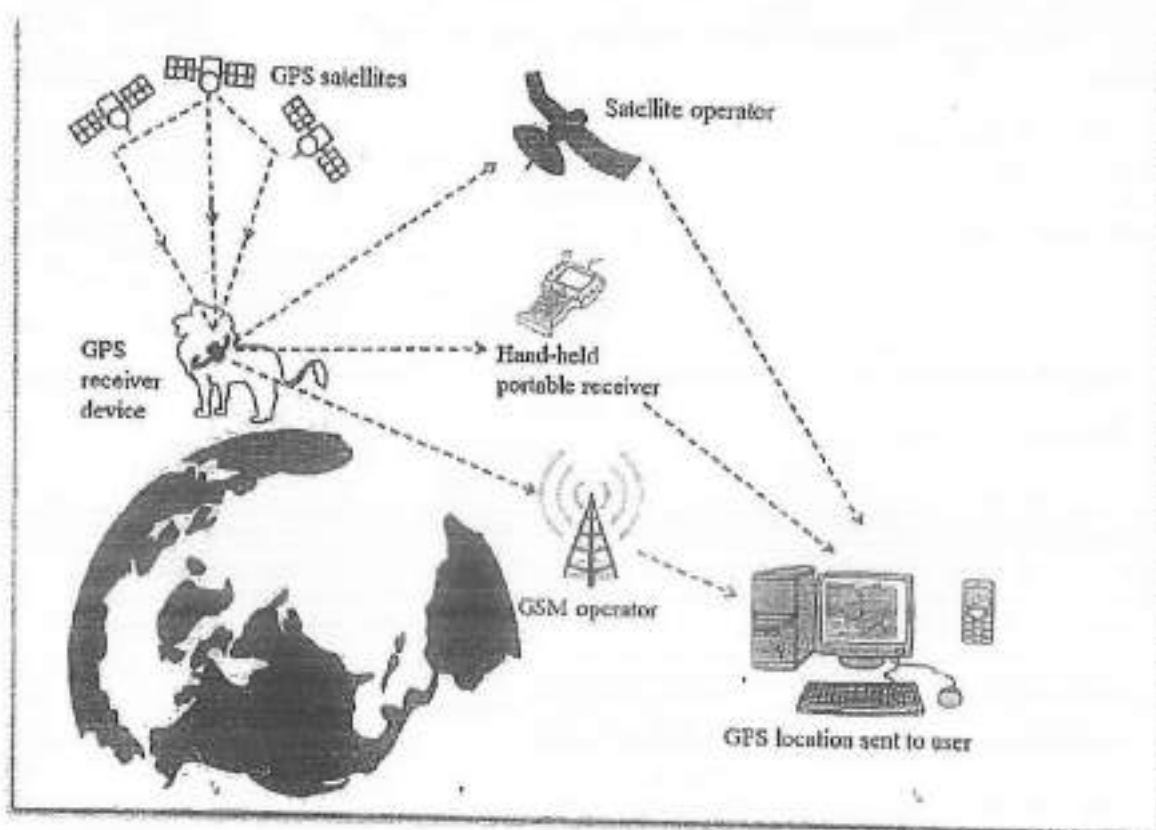
The objective of the initiative is to minimize the man-elephant conflict which has always remained a major concern in different parts of Odisha.





CHAPTER-VI

FINANCIAL IMPLICATIONS & MONITORING





CHAPTER-VI

Financial Implications & Monitoring

6.0 Summary of Mitigation Measures:

Various mitigation measures have been suggested considering the effect of the mining activities during operation phase under Chapter-IV. These are summarized below.

6.1 Summary of activities to be implemented by User Agency:

The User Agency (OMC Ltd) will implement the following interventions within ML area for wildlife conservation measures.

6.1.1 General activities suggested

- I. Steps to be taken to reduce noise, fugitive dust generation within ML area,
- II. Provide sound barriers near Crushing & Screening Plants,
- III. Solar fencing on Mining Pit and Forest interface to eradicate any fear of accidental Wild animal fall.
- IV. For dust suppression water fog instruments to be introduced along with traditional measures to make dust suppressing more effective.
- V. Mining light arrangement / fixing are to be so planned so that no light is spread towards nearby forests.
- VI. No turbid runoff is directly discharged to Topadohi nala which meets Karo River at very near to Mining area.
- VII. Blasting to be regulated / carried out in day time (Preferable in between 12.00 noon to 2.00 PM). Blasting in morning / evening / night to be completely avoided.
- VIII. Low pitch blasting devices to be used.
- IX. Tree planting along the haul road to be intensively implemented. Two tire tree planting model to be practiced.
- X. Status of Flora & fauna in each of the regions shall be assessed on annual basis and report to DFO, Keonjhar. The study shall be conducted in consultation with State Forest and Wildlife Department (Annually in Mining Zone and once in 3 years in the region).

6.1.2 Other Specific Interventions Suggested:

- (i) Implementation of "Jana Surakhya, Gaja Rakshya" Scheme in two villages of Barbil range. Total solar fencing is on the approximate distance of 4 km ($\pm 10\%$).



- (i) Providing mobility to frontline Staff: One hired vehicle with PoL will be provided by User agency as per instruction of Local Range Officer / DFC, Keonjhar.

6.2 Suggested interventions (Keonjhar Division)

- a) Development of Meadows.
- b) Deployment of Additional Manpower.
- c) Deployment of Gaja Sathi
- d) Providing Solar Street Light
- e) Distribution of Metal Grain Bin (1 Qts) capacity
- f) Mo Jungal Mo Parivesh Yojana (interactive Camps / Classes)
- g) Distribution of IEC materials

6.3 Suggested interventions (Bonai Division)

- a) Enrichment by Plantation Planting of Bamboo (Seed Ball method).
- b) Construct Check Dam (Masonry).
- c) Establishment of Portable Highway Camp Shed (PH-215)
- d) Improvement of Communication Net work Installation of main VHF Tower and Providing Wacky-Talky
- e) Deployment of Gajasathi,
- f) Providing Solar Street Light:
- g) Public Awareness & training



Site Specific Wildlife Conservation Plan for Guafi Iron Ore Mine of OMC.L.
located at village Guafi etc under Barbil Tahasil of District Keonjhar,
Odisha.

OMC

6.4 Abstract of Interventions (Keonjhar Division):

Abstract of Interventions (Keonjhar Division)						
Sl No	Description	Unit	Rate	Quantum	Amount in Lakh Rs	Remark
A	Habitat Improvement					
1	Development of Meadows	Ha	0.75L	10	7.50	Available Gochar Lands / Government vacant lands
B	Protection & Surveillance:					
2	Deployment of Additional Manpower (Squad)	No	0.125L per Month	10*60	75.00	In Barbil and Champua Range
C	Human- Elephant Conflict Resolution:					
3	Deployment of Gaja Sathi	Village	Rs75250/- Yr	10*5	37.625	In Champua and Barbil range: Cost Break Up: Assistance to VSS for 12 months per Yr: Rs60,000/-, Uniform & logistic for 5 person @850/- per person - Rs 4250/-, Training 2500/- per Village and Rs.8500/- per village for equipments.
4	Providing Solar Street Light	No	0.30L	50	15.00	In 10 villages @5 no per village or as required
D	Public Support & Awareness:					
5	Distribution of Metal Grain Bin (1 Qts) capacity	No	3500	100	3.50	To villagers having Kachha house in elephant prone affected villages

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Divyanshu Mishra
Addl. Genl. Insp.
OMC Ltd.


Divisional Forest Officer
Keonjhar Division



Site Specific Wildlife Conservation Plan for Gual Iron Ore Mine of OMC Ltd located at village Gual etc under Barabill Tahasil of District Keonjhar, Odisha.



6(a)	Mo Jungal Mo Parivesh Yojana (interactive Camps / Classes)	No	0.15L	50	7.50	Target Group: Students , Villagers @ 10 camps per Year
6(b)	Distribution of IEC materials	Annual	0.40L	5	2.00	To be provided in Mo Jungal Mo Parivesh Yojana (interactive Camps / Classes)
	S. Total				148.125	
	20% towards cost escalation				29.625	
	Total				177.75	

Rupees One Crore Seventy Seven Lakh & Seventy Five Thousand Only)

Table 68 Abstract of Interventions (Keonjhar Division)



Dr. Sandhya Mishra
Addl. G.M. (F&E)
OMC Ltd.


Divisional Forest Officer
Keonjhar Division



OMC

Site Specific Wildlife Conservation Plan for Gul Iron Ore Mine of OMC, Ltd located at village Guafi etc under Berhampur Tahasil of District Keonjhar, Odisha.

6.4.1 Physical & Financial Flow Chart (Keonjhar Division):

6.4.1.(A) Physical Flow Chart:

Sl No	Description of Intervention	Target	Year					
			1st	2nd	3rd	4th	5th	
A	Habitat improvement	10Ha			Maint			Maint
1	Development of Meadows							
B	Protection & Surveillance:	Unit		unit	unit		unit	unit
2	Deployment of Additional Manpower (Squad)							
C	Human-Elephant Conflict Resolution:	10*5yr	10*1	10*1	10*1	10*1	10*1	10*1
3	Deployment of Gaja Sathi	50 No	50					
4	Providing Solar Street Light							
D	Public Support & Awareness:	100no	50	50				
5	Distribution of Metal Grain Bin (1 Qts) capacity	50 No	10	10	10	10	10	10
6(a)	Mo Jungal Ma Parivesh Yojana (Interactive Camps / Classes)							
6(b)	Distribution of IEC materials	5year	1	1	1	1	1	1

Table 69 Physical Flow Chart



Site Specific Wildlife Conservation Plan for Guuli Iron Ore Mine of OMC Ltd
located at village Guuli etc under Barbil Tahasil of District Keonjhar, Odisha.



6.5.1(B) Financial Flow Chart

Sl No	Description of Intervention	Amount	Year					
			1st	2nd	3rd	4th	5th	
	Habitat Improvement							
	Development of Meadows	7.50	4.50					1.50
	Protection & Surveillance:				1.50			
	Deployment of Additional Manpower (Squad)	75.00	15.00	15.00	15.00	15.00	15.00	15.00
	Human- Elephant Conflict Resilience:							
	Deployment of Gaja Sathi	37.625	7.525	7.525	7.525	7.525	7.525	7.525
	Providing Solar Street Light	15.00	15.00					
	Public Support & Awareness:							
	Distribution of Metal Grain Bin (1 Qts) capacity	9.50	1.75	1.75				
(a)	Mo Jungal Mo Parivesh Yojana (Interactive Camps / Classes)	7.50	1.50	1.50	1.50	1.50	1.50	1.50
(b)	Distribution of IEC materials	2.00	0.40	0.40	0.40	0.40	0.40	0.40
	S.Total	148.125	45.675	26.175	25.925	24.425	25.925	25.925
	Add 20% Esc	29.625	9.135	5.235	5.185	4.885	5.185	5.185
	G.Total	177.75	54.81	31.41	31.11	29.31	31.11	31.11

Table 70 Financial Flow Chart

Dr. Sandhya Mishra
Addl. G.M. (F&E)
OMC Ltd.

Divisional Forest Officer
Keonjhar Division



Site Specific Wildlife Conservation Plan for G... Iron Ore Mine of OMC Ltd.
located at village G... under Barbil Tehsil of District Keonjhar, Odisha.

OMC

6.6 Abstract of Interventions (Bonai Division):

Abstract of Interventions (Bonai Division)						
Sl No	Description	Unit	Rate	Quantum	Amount in Lakh Rs	Remark
A	Habitat Improvement Enrichment by Plantation: Planting of Bamboo (preferably seed Bal Method)	Ha	0.44 L	20	8.80	Enrichment of forests by bamboo Seed ball (1600 Seed ball +160 seed ball for casualty etc) @Rs25/- per seed ball.
2	Construct Check Dam: (Masonry)	No	15.00L	1	15.00	On Torah nala / Torah Rf
B	Protection & Enforcement Establishment of Portable Highway Camp Shed (NH-215)	No	15.00	2	30.00	To be Constructed from Pre fabricated sheets, with Solar light, Drinking Water, Bed Roll and boundary wall etc
4	Improvement of Communication Net work:					
a)	Installation of main VHF Tower	No	12.00L	2	24.00	At Forest Range / Division Headquarter, Koira For Communication with interior pockets not accessible by Mobile phones.
b)	Providing Wacky- Talky	No	0.30L	50	15.00	
C	Human- Elephant Conflict Mitigation					
5	Deployment of Gajasathi - a Participatory approach :	a village	75250/- per village per year	5*5	18.82	Cost Break Up: Assistance to VSS for 12 months per Yr: Rs60000/-, Uniform & logistic for 5 person @850/- per person - Rs.4250/-, Training 2500/- per Village

Sandhya Mishra
Addl. G.M.C (P&E)
OMC Ltd.

Divisional Forest Officer
Bonai Division



Site Specific Wildlife Conservation Plan for Guali Iron Ore Mine of OMC Ltd located at village Guali etc under Barbil Tahasil of District Keonjhar, Odisha.

OMC

		No	0.30L	100		and Rs-9500/- per village for equipments.
6	Installation of Solar Street Light:	No	0.30L	100		In 20 villages @5 lights per village mostly in Elephant affected villages
7	Distribution of Metal Grain Bin (1 Qts) capacity	No	3500	100		To villagers having Kachha house in elephant prone affected villages
D	Public support and awareness: Training and create awareness among villagers / VSS Members. Students of educational institutions/ village level volunteers for wildlife Conservation and Protection.	Annual	5.00 L	5		Audio Visual training materials will be designed and prepared for a better communication to the target group. To be organized in different Ranges.
	\$ Total					
	20% towards cost escalation					
	Total					

Table 71 Abstract of Intervention (Bonai Division)

Dr. Sandhya Mishra
Addl. G.M. (F&E)
OMC Ltd.

Divisional Forest Officer
Bonai Division



ONGC

Site Specific Wildlife Conservation Plan for Gas Iron Ore Mine of ONGC Ltd located at village Guajhats under Barbil Tahasil of District Keonjhar, Odisha.

6.6.1 Physical & Financial Flow Chart (Bonai Division):

6.6.1(A) Physical Flow Chart: (Bonai Division)

No	Description of intervention	Target	Year					
			1st	2nd	3rd	4th	5th	
	Habitat Improvement	20ha	20ha					
	Enrichment by plantation:							
	Planting of Bamboo (preferably seed Bal Method)	1No	1					
	Construct Check Dam: (Masonry)							
	Protection & Enforcement	2 no	2					
	Establishment of Portable Highway Camp Shed (NH-215)							
	Improvement of Communication Net work:	2No	2					
	Installation of main VHF Tower	50 no	50 no					
	Providing Wacky-Talky							
	Human-Elephant Conflict Mitigation	5*5yr	5*1yr	5*1yr	5*1yr	5*1yr	5*1yr	5*1yr
	Deployment of Gajasathi - a Participatory approach:	100 no	50 no	50 no				
	Providing Solar Street Light:	100 no	50 no	50 no				
	Distribution of Metal Grain Bin (1 Qts) capacity							
	Public support & Awareness:	5 camp	1	1	1	1	1	1
	Training and create awareness among villagers / VSS Members							
	Students of educational institutions/ Village level volunteers for							
	wildlife Conservation and Protection							

Table 72: Physical flow chart (Bonai Division)



Site Specific Wildlife Conservation Plan for Gunji Iron Ore Mine of DMCL Ltd located at village Guvalli etc under Barbil Taluk of District Keonjhar, Odisha.



6.6.1(B) Financial Flow Chart (Bonat Division)

No	Description of Intervention	Target in Lakh Rs	Year					
			1st	2nd	3rd	4th	5th	
	Habitat Improvement							
	Enrichment by Plantation;	8.80	8.80					
	Planting of Bamboos (preferably seed Bal Method)							
	Construct Check Dam: (Masonry)	15.00	15.00					
	Protection & Enforcement							
	Establishment of Portable Highway Camp Shed (NH-215)	30.00	30.00					
	Improvement of Communication Net work:							
	Installation of main VHF Tower	24.00	24.00					
	Providing Wacky- Talky	15.00	5.00	5.00	5.00			
	Human- Elephant Conflict Mitigation							
	Deployment of Gajasathi - a Participatory approach :	18.82	3.764	3.764	3.764	3.764	3.764	3.764
	Providing Solar Street Light;	30.00	15.00	15.00				
	Distribution of Metal Grain Bin (1 Qts) capacity	3.50	1.75	1.75				
	Public support & Awareness:							
	Training and create awareness among villagers / VSS Members							
	Students of educational institutions/ Village level volunteers for wildlife Conservation and Protection .	25.00	5.00	5.00	5.00	5.00	5.00	5.00
	S. Total	170.12	108.314	30.514	13.764	8.764	8.764	8.764
	20% towards cost escalation	34.024	21.663	6.103	2.753	1.753	1.753	1.753
	Total	204.144	129.977	36.617	16.517	10.517	10.517	10.517

Table 73 Financial Flow Chart (Bonat Division)



6.7 Points in Terms of Reference (ToR) & Compliance as related to Wildlife matters:

There are points / directives in ToR as related to Wildlife / Environment matters. The same directives have been complied in the plan. The directives in ToR and compliance are furnished below for reference.

6.8.1 Under Specific Terms of Reference:

Condition xx.	The Project Proponent should submit list of Schedule-I species present in the lease area authenticated by PCCF and the status of National Park / Sanctuary, Biosphere Reserve / Tiger reserve / Elephant Reserve other reserve, Habitat for migratory birds corridor for animals within 10 km of the lease area.
Compliance	The list of Fauna in core & Buffer Zone has been authenticated by DFO, Keonjhar vide letter no 8040/6F-Mining-16/2021 dated 13.11.2021 (Enclosed at Annexure-VI) There is no National Park / Sanctuary, Biosphere Reserve / Tiger reserve / Elephant Reserve other reserve, Habitat for migratory birds within 10 km of the lease area. Karo- Karampada Elephant corridor is an interstate corridor laying at a distance of 3.24 km (Karo end) and Karampada is in Jharkhand State. Singhbhum West Elephant Reserve in Jharkhand State is about 6km from project. The map showing the location of National Park / Sanctuary, Biosphere Reserve / Tiger reserve / Elephant Reserve other reserve, Habitat for migratory birds / Ramsar Site / and elephant corridor in Odisha and distance from the project boundary is at Plate-III

6.8.2 Under Standard ToR For Mining Project:

Condition 10).	Land use of study area delineating forest area, agricultural land grazing land, wildlife sanctuary, National Park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. xxx
Compliance	Land use pattern of study area has been analyzed from satellite imagery and details has been furnished at Para 2.3.2, of this Plan.
Condition 16)	A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected areas and accordingly mitigative measures required should be worked out with cost implications and submitted.
Compliance	The impact of the project on flora & fauna has been studied and discussed in Chapter-IV along with mitigation measures along with the financial implications.
Condition 17)	Location of National Parks, Sanctuary, Biosphere Reserves, wildlife corridors, Ramsar sit, Tiger / Elephant Reserve (existing as well as proposed), if any



	<p>within 10km of the mine lease should be clearly indicated, supported by location map duly authenticated by Chief Wildlife warden. Necessary clearance as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above should be obtained from Standing Committee of National Board of Wildlife and copy furnished.</p>
Compliance	<p>The project area does not form part of any National Park, Wildlife Sanctuary, any Protected Area nor it comes within any Eco Sensitive Zone of National Park, Wildlife Sanctuary, any Protected area. Hence Wildlife Clearance U/s 29 of Wildlife (Protection) Act, 1972 is not applicable to this project. The Map showing the distance of Protected areas as stated above is furnished at Plate-III and submitted for authentication by CWLW, Odisha.</p>
Condition 18)	<p>A detail Biological Study of study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET species duly authenticated separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the schedule of the fauna present. In case of any schedule-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.</p>
Compliance	<p>Detail Biological Study of study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] has been carried out. Details of flora and fauna, endangered, endemic and RET species separately for core and buffer zone has been authenticated by DFO, Keonjhar vide letter No 8040/6F-Mining-16/2021 dated 13.11.2021 (Enclosed at Annexure-VI). For management of Schedule-I animals and other wildlife, this plan has been prepared and submitted for approval.</p>
Condition 25)	<p>Ecology / Biodiversity (Flora – Fauna Related)</p> <p>(i) As per Red List of IUCN (International Union for Conservation of nature) Six floral species and 21 faunal species have been reported to be under threatened, vulnerable & endangered category. Protection of these flora and faunal species should be taken by the State Forest & Wildlife Department on priority, particularly in the mining zone, if any.</p> <p>(ii) The Mines falling within 5-10km of the Karo- Karampada Elephant Corridor buffer need to take precautionary measures during mining activities. The forest and existing elephant corridor routes are to be protected and conserved. Improvement of habitat by providing food, water and space for elephants is required to be ensured to avoid Man- Elephant Conflicts. Though as per the records of State Forest Department movement of elephants in Karo Karampada corridor within 10km distance from the mines in Joda and Koira is</p>



not observed, the forest department shall further record and ensure that elephant movement is not affected due to mining activities.

(iii) All precautionary measures should be taken during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear etc. spotted on the study area. Action plan for conservation of flora and fauna should be prepared and implemented in consultation with the State Forest and Wildlife Department within the Mining Lease area, where as outside the mining lease area the same should be maintained by State Forest department.

(iv) Afforestation is to be done by using local and mixed species saplings within and outside the mining lease area. The reclamation and afforestation is to be done on such a manner like exploring the growth of fruit bearing trees which will attract the fauna and thus maintaining the biodiversity of the area. As afforestation done so far is very less, forest department needs to identify adequate land and do afforestation by involving local people in a time bound manner.

(v) Green belt development carried out by mines should be monitored regularly in every season and parameters like area under vegetation / plantation, type of plantation, type of tree species / grass species / shrubs etc., distance between the plants and survival rate should be recorded.

(vi) Green belt is an important sink of air pollutants including noise. Development of green cover in mining area will not only help reducing air and noise pollution but also will improve the ecological conditions and prevent soil erosion to a greater extent. Further selection of tree species for green belt should constitute dust removal / dust capturing plants since plants can act as efficient biological filters removing significant amounts of particulate pollution. Thus the identified native trees in the mine area may be encouraged for plantation. Tree species having small leaf area, dense hair on leaf surface (rough surface) deep channels on leave should be included for plantation.

(vii) Similarly wildlife Department is also required to record and document annual status of wildlife in the region and should identify the need for wildlife management or regional level.

(viii) Maintenance of ecology of the region is prime responsibility of the State Forest and Wildlife Department. They need to periodically review the Status and identify the need for further improvement in the region. The required expenditure may be met from the funds already collected in the form of Compensatory afforestation and wildlife management. Further additional fund, if required can be sought from DMF.

Compliance:

There is no flora & fauna in mining zone categorized as RET Species. The Status of Fauna as per IUCN list is at Annexure- VII.

For new corridor development measures have been suggested.

All precautionary measures is being adopted by User agency Not to disturb elephant movement in this area / zone of impact.

Along the haul road Tree planting (two tire plants) by user agency suggested.



	All seedling will be of 18month old and indigenous Fire line maintenance for protection against Fire in Karo and Torha RF has been suggested. To increase water availability WHS has been suggested in Torha RF
Condition 31 (2)	Status of Flora & fauna in each of the regions shall be assessed on annual basis. Changes, if any taking place in the region shall be brought out clearly. The study shall be conducted in consultation with State Forest and Wildlife Department (Annually in Mining Zone and once in 3 years in the region.
Compliance	The user agency will take up study of Flora & fauna on annual basis for Mining area and once in three year i.e. on 3 rd year for Zone of impact through Satellite imagery study with physical verification and report to DFO, Keonjhar.

6.9. Plan Period:

This plan is valid for 5 years i.e. from 2023-24 to 2027-28.

6.10 Monitoring & Evaluation:

The implementation of this plan may be periodically monitored by a committee headed by the Regional Chief Conservation of Forests, Rourkela Circle. The Divisional Forest Officer, Keonjhar Division, Divisional Forest officer, Bonai Division and representative of OMC Limited may be invited to the review meeting.

6.11 Interim Review & Revision of the Plan:


The Plan period is five years. There may not be any need to modify the proposed interventions. However, if so required, it may be reviewed after 3 years of implementation and if required the interventions may be re-casted to the need of the time.


6.12 Projected Plan Cost:

The Plan cost is projected at Rs 381.894 Lakh (Rupees Three Crore Eighty One Lakh Eighty Nine Thousand and Four Hundred Only)

Sl. No	Agency	Amount in lakh Rs
1	User Agency	Works enumerated. No financial projection.
2	Forest Department	
a)	Keonjhar Division	177.75
b)	Bonai Division	204.144
Total		381.894

Table 74 Project Cost


Divisional Forest Officer


Divisional Forest Officer
Bonai Division


Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden
Odisha, Bhubaneswar
Sanchaya Mishra
Addl. G.M. (F&E)



6.13 Executing Agency:

The proposed Interventions under Para 6.1 will be implanted by User agency at the project cost.

The interventions suggested under Para 6.5 and 6.6 will be implemented by the Divisional Forest Officer, Keonjhar Division / Bonai Division.

6.14 Conclusion:

On approval & implementation of this Plan, it is expected to improve Wildlife Management especially reduce Human-Wildlife Conflict in the locality in a considerable extent and also redress grievances of local people arising due to crop depredation, House damage etc. Conflicting attitude of public will be changed to co-habitation.



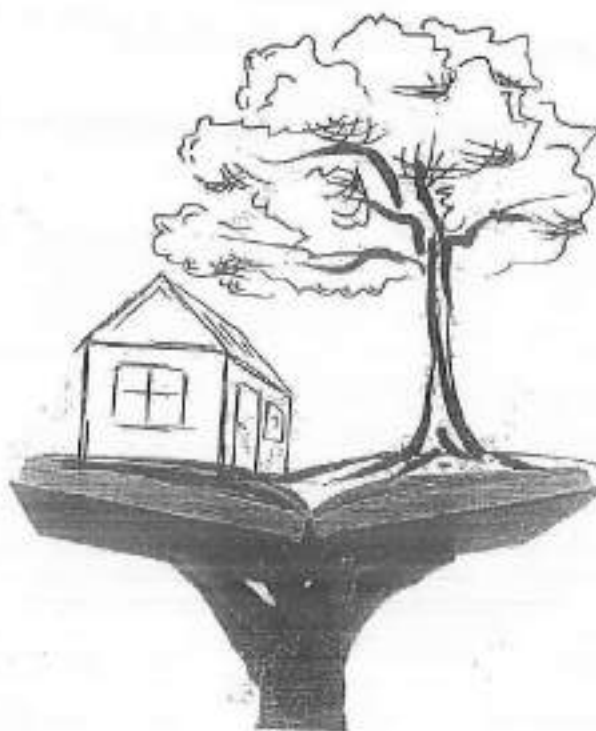
The plan is for 5 years and will be revised by the DFOs concerned at least one year before expiry of its implementation. The user agency will bear cost of the plan on its approval.

Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden
Odisha, Bhubaneswar



CHAPTER-VII

ANNEXURE





CHAPTER-VII Maps & Annexure

In the text many documents has been referred to substantiate the data & figures. Those are appended here for reference. To pin point the location maps / plates have been prepared and given as plates. The lists of such plates are given here for reference.

A. Documents:

Sl No	Description of Documents	Annexure	No of pages
1	Environment Clearance for a production capacity of 5.7 MTPA of Iron Ore vide Letter No I-11015/1155/2007-IA-II(M) dated 22.06.2009, MoEF, Government of India, New Delhi.	i	10
2	ToR (Terms of Reference) vide letter No.IA-J-11015/31/2021-IA-II(M) dated 04 th August, 2021	i	33
3	Recommendation vide Letter NoFE-DIV-FLD-0034-2022-8065/FF&CC dated 30.04.2022, Govt. of Odisha FE&CC Department	iii	16
4	Letter No 1076 dated 22.03.2021 of Tahasildar Barbil, Authentication of Land Schedule	iv	22
5	Application for Forest Diversion (Part-I of Form-A) Proposal No FP/OR/MIN/140713/2021 State Sl No OR-US4/2021 dated 09.09.2021.	v	7
6	Letter no 8040/6F-Mining-16/2021 dated 13.11.2021 of DFO, Keonjhar Authenticated Flora & Fauna)	vi	5
7	List of RET / IUCN Status of some important species	vii	4
8	Site Inspection Report of DFO, Keonjhar	viii	3
9	List of Elephant death in Keonjhar Division	ix	3
10	Previous WLCP Interventions approved and approval order	x	1

B. Plates:

Sl No	Description	Plate No
1	Location map showing Zone of Impact, Add Zone of Impact and movement of Mega animals in the zone	i
2	Other Mines location within Zone of Impact of the Project	ii
3	Map showing distance of National Parks/ Wildlife Sanctuary/ Elephant Corridors/ Ramsar Site from the project location	iii



No. J 11015/1155/2007-IA.II (M)
Government of India
Ministry of Environment & Forests

Parvavatan Bhawan,
C.G.O. Complex, Lodhi Road,
New Delhi - 110 003

Dated the 22nd June, 2009

To

Shri Ramesh Prasad Sao
Mine Owner
European Quarters,
Opposite Gandhi Maidan,
Chaibasa-833 201,
West Singhbhum District,
Jharkhand

E-mail: rameshprasadsoa@yahoo.co.in
rameshprasadsoa@gmail.com

Subject: Expansion of Guali Iron Ore Mining Project of Shri Ramesh Prasad Sao located in Village(s) Guali, Panduliposi, Rugudih, Laidapada and Topodih, Tehsil: Raubi, District: Keonjhar, Orissa-environmental clearance regarding

Sir,

This has reference to your letter No. GIM/MoEF/EC/2008/01 dated 12.11.2008 and subsequent letters dated 03.01.2009, 14.01.2009, 19.01.2009, 09.04.2009 and 25.05.2009 on the subject mentioned above. The Ministry of Environment and Forests had earlier prescribed Terms of Reference (TORs) to the project on 08.05.2008 for undertaking detailed EIA study. The proposal is for enhancement of production of iron ore from 1.8 million tonnes per annum (million TPA) to 5.3 million TPA. The project was earlier accorded environmental clearance by the Ministry for 1.8 million TPA production of iron ore on 30.11.2007. The total mine lease area of the project is 362.026ha, out of which 84.913ha is an agricultural land (tenanted land), 268.117ha is forest land, 8.826ha is surface water bodies/roads and 3.17ha is others (village site and road). Area proposed for mining is 215.571ha, an area of 28.11ha is kept for temporary overburden dumps, 12.6ha for mineral/sub-grade ore storage, 11.547ha for infrastructure, 9.605ha for roads/hallways, 0.12ha for railways/magazine, 26.439ha for green belt, 7.5ha for mineral separation plant and 48.494ha is others (public purpose/untouched vegetation). The Tosadih Nallah and the Lakshat Nallah are passing through the mine lease. In addition, the Karo River and the Sura River are flowing in the buffer zone of the mine at a distance of 1.1km and 5.5km respectively from the mine lease boundary. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve, etc. is reported to be located in the core and buffer zone of the mine and that the area does not report to form corridor for Schedule-I fauna. The Karo Karampada Elephant Corridor is reported to be

located at a distance of 11.2km from the mine lease boundary. In support of this the project proponent has provided a letter Memo No. 321/WI-C-FC-385/08 dated 17.01.2009 from the Conservator of Forests (Wildlife), Government of Orissa alongwith an authenticated map from the DFO cum Wildlife Warden, Keonjhar Division and an approved site specific conservation plan. Eight Reserve Forests namely the Lakraghat RF(2km N), The Ubbud RF(3-4km N), the Koro RF(6km W), the Nendhamaruni RF(6km S), the Karampada RF(7km NW), Lohia RF(9.5km NW), Sidhamath RF(N, E and S) and Bailami RF(5km E) are located in the buffer zone of the mine. The mine working will be opencast by mechanized method involving drilling and blasting. The targetted production capacity of the mine is 57.05,700TPA of iron ore and the life of mine is 11years. Approximately 19,000TPD of mineral will be transported through the road. The topography of the area is undulated and hilly at an elevation above mean sea level ranging from 200m to 290m. The general ground level is at 500m AMSL. The present working depth of mine is 50m AMSL and the ultimate working depth of mine will be 535m AMSL. The groundwater table in the core zone reported to vary from 450m AMSL (post monsoon) to 445m AMSL (pre-monsoon). The mine working will not intersect the groundwater table. The peak water requirement of the project is estimated as 97m³ per day, which will be obtained from the surface water (Koro River) and the ground water. There is no population in the core zone, therefore, displacement of population and ROR has not been envisaged. Approximately 79,245m³ per month of solid waste will be generated, which will be disposed off in the earmarked areas. It is estimated that 3,57,265m³ of waste has already been accumulated and another 79,24,157m³ of waste will be generated during the mine life. There are two existing external OB dumps which will be liquidated by 2021-22 and there will be no external dump at the conceptual stage. Backfilling is proposed from the year 2013-14 onwards. Plantation will be raised in an area of 299.932ha at the end of the mine life and there will be a water body created during the post mining stage. The Public hearing of the project was held on 03.10.2008, as per the EIA Notification 2006, for enhancement of production of iron ore up to 5.7 million TPA over an area of 365.026ha. The Indian Bureau of Mines had approved the scheme of mining including progressive mine closure plan of the project on 22.05.2009 over an area of 365.026ha. The Ministry of Environment and Forests conveyed its approval under Section 2 of the Forest (Conservation) Act, 1980 for diversion of 42447ha of already broken up forestland for revival of Guila Iron Ore Mine on 14.01.2005. The capital cost of the project is Rs.157Crores and the capital cost for the environmental protection measures is proposed as Rs.40Lakhs. The annual recurring cost towards the environmental protection measures is proposed as Rs.17Lakhs.

2. The Ministry of Environment and Forests has examined the application in accordance with the EIA Notification, 2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned Guila Iron Ore Mining Project of Shri. Ramesh Prasad Sao for an annual production capacity of 5.7million tonnes of iron ore by opencast mechanized method involving total mine lease area of 365.026ha, subject to implementation of the following conditions and environmental safeguards.

A. Specific Conditions

- (i) The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Orissa and effectively implement all the conditions stipulated therein.
- (ii) Necessary forestry clearance under the Forest (Conservation) Act, 1980 for an area of 268.117ha forestland involved in the project shall be obtained before starting mining operation in that area. Till such time mining activities shall be restricted to an area of 42.417ha of already broken up forestland for which approval under Section 2 of the Forest (Conservation) Act, 1980 was granted by the Ministry of Environment and Forests on 14.01.2005. Environmental clearance is subject to grant of forestry clearance. No mining shall be undertaken in the forest area without obtaining requisite prior forestry clearance.
- (iii) The environmental clearance is subject to approval of the State Land Use Department, Government of Orissa for diversion of agricultural land for non-agricultural use.
- (iv) The project proponent shall blacktop 2300 mt length stretch of panchayat road of five villages namely, Fandulposhi, Bengalbadha, Loldapada, Katesari and Rugudih during the year 2009-2010.
- (v) The mining operations shall be restricted to above ground water tapra and it should not intersect the groundwater table. In case of working below the ground water table prior approval of the Ministry of Environment and Forests and the Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out.
- (vi) The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Adequate measures shall be taken for conservation and protection of the Topadhi Nallah, the Lakraghat Nallah and other seasonal streams passing through the mine lease area during the course of mining operation.
- (vii) The top soil shall temporarily be stored at earmarked sites only and it should not be kept mobilized for long. The topsoil shall be used for land reclamation and plantation.
- (viii) The over burden (OB) generated during the mining operation shall be temporarily stacked at earmarked dump site(s) only for backfilling. The two existing external OB dumps shall be liquidated by 2021-22 and there shall be no external dump at the conceptual stage. Backfilling shall commence from the year 2013-14 onwards. The backfilled area shall be reclaimed by plantation. Monitoring and management of rehabilitated

4

areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.

- (ix) Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, soil, mineral and temporary OB dumps to prevent run off of water and flow of sediments directly into the Topadhi Nallah, the Lakraghat Nallah, the Karo River, the Suna River and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.

Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the temporary OB burden dumps to prevent run off of water and flow of sediments directly into the Topadhi Nallah, the Lakraghat Nallah, the Karo River, the Suna River and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.

- (x) Dimensions of the retaining wall at the top of the temporary OB burden dump and the OB benches within the mine to check run off and siltation shall be based on the rainfall data.

- (xi) Plantation shall be raised in an area of 298.932ha including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per hectare.

- (xii) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and heavy traffic levels of OPM and PSM such as haul road, loading and unloading point and all transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

- (xiii) Regular monitoring of the flow rate of the springs and gerehni nallahs flowing in and around the mine lease shall be carried out and records maintained.

- (xiv) Regular monitoring of water quality upstream and downstream of the Topadhi Nallah and the Lakraghat Nallah shall be carried out and record

of monitored data should be maintained and submitted to the Ministry of Environment and Forests, its Regional Office, Bhubaneswar, the Central Groundwater Authority, Regional Director, the Central Ground Water Board, the State Pollution Control Board and the Central Pollution Control Board.

(xv) The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

(xvi) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January), once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.

(xvii) Appropriate mitigative measures should be taken to prevent pollution of the the Koro River and the Sura River in consultation with the State Pollution Control Board.

(xviii) The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) required for the project.

(xix) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.

(xx) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered tracks only and the vehicles carrying the mineral shall not be overloaded. No transportation of ore outside the mine lease area shall be carried out after the sunset.

(xxi) No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.

(16)

(xxii) Drills shall either be operated with the dust extractors or equipped with water injection system.

(xxiii) Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.

(xxiv) Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.

(xxv) Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.

(xxvi) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear, tiger, bison, python etc. spotted in the study area. Action plan for conservation of flora and fauna prepared shall be implemented in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional Office of the Ministry of Environment and Forests, Bhubaneswar.

(xxvii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

(xxviii) The critical parameters such as SPM, RSPM, NO_x in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA-II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.

(ix) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

B. General conditions

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.

(ii) No change in the calendar plan (including excavation, quantum of mineral iron ore and waste) should be made.

(iii) At least four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

(iv) Data on ambient air quality (RSPM, SPM, SO₂ & NO_x) should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board office in six months.

(v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.

(vi) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

(vii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.

(viii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

- (ix) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (x) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
- (xi) The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (xii) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the Senior (a) of the Regional Office by furnishing the requisite data, information, monitoring reports.
- (xiii) The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment clearance conditions including the results of monitored data on their website and update the same periodically.
- (xiv) A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad /Municipal Corporation, urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- (xv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office Tehsildar's Office for 30 days.
- (xvi) The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the local concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.
3. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

5. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made thereunder and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Orissa and any other Court of Law relating to the subject matter.

6. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 90 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

(SATISH C. GARKOTI)
Additional Director (S)

Copy for:

- (i) The Secretary, Ministry of Mines, Government of India, Sirasri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Orissa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Orissa, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Orissa, Secretariat, Bhubaneswar.
- (v) The Chief Wildlife Warden, Government of Orissa, Bhubaneswar.
- (vi) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vii) The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-9 Chandrasekharpur, Bhubaneswar-751023.
- (viii) The Chairman, Orissa State Pollution Control Board, Parivesh Bhawan, A/118 Niranjantha Nagar, Unit-VIII, Bhubaneswar-751012.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Gurzon Road Barracks, K.S. Marg, New Delhi-110001.

- (x) The District Collector, Keonjhar District, Government of Orissa.
- (xi) EI Division, Ministry of Environment & Forests, EI Division, New Delhi.
- (xii) Monitoring File.
- (xiii) Guard File.
- (xiv) Record File.



No. IA-J-11015/31/2021-IA-II(M)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

2nd Floor, Prithvi Wing,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj,
New Delhi-110 003

Dated: 04th August, 2021

To,

M/s Odisha Mining Corporation Limited,
OMC House, Post Box No.: 34,
Khurda District,
Bhubaneswar - 751 001.

Subject:- Proposal for Terms of Reference of M/s Odisha Mining Corporation Limited for Guali Iron Ore Mine (358.258 ha (as per DGPS)/365.026 ha (as per RoR)) with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste-7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant at village(s) Guali, Lokapada, Panduliposhi, Topadihi, Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha - Terms of Reference (Auction mine) regarding

Sir,

This has reference to proposal no. IA/OR/MIN/208682/2021 of M/s Odisha Mining Corporation Limited is for grant of Terms of Reference for Guali Iron Ore Mine (358.258 ha (as per DGPS)/365.026 ha (as per RoR)) with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste-7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant at village(s) Guali, Lokapada, Panduliposhi, Topadihi, Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha. The mine lease area located between Latitude 21°59'21.98" N to 22°00'01.10" N and Longitude 85°17'04.19" E to 85°18'57.35" E. The mine lease area falls under the Survey of India Topo sheet No:

F45HB and falls in Seismic Zone-III. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth DSS.

2. M/s Odisha Mining Corporation Limited has made an online application vide proposal no. IA/OR/MIN/208682/2021 dated 09.04.2021 and submitted Form-1 and Pre-feasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level. The proposal also attracts the general conditions as the mining lease area is located at a distance of 5 km, NW from the Interstate boundary of Odisha-Jharkhand. The proposal was placed in the 33rd EAC meeting held during 13th to 16th July, 2021 wherein the committee recommended the proposal for grant of Terms of References (TOR).

3. The Project Proponent submitted that the previous lessee obtained Environmental Clearance for a production capacity of 5.7 MTPA of Iron Ore vide EC letter J-11015/1155/2007-IA-III(M) dated 22nd June 2009. The proposal was earlier placed in the 31st EAC meeting held during 9th-15th June, 2021 and the Committee deferred the proposal for want of additional information. PP submitted the information on 25.06.2021 in Person.

4. Lease Detail

S.no	Grant of P/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Reservation of Guali Iron Ore vide No 283/SM, Bhubaneswar	11.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)
2	Letter of Intent vide 312/SM Bhubaneswar	11.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)
3	Vesting Order No 324/SM,	11.01.2021	Iron Ore	10 years	Govt of Odisha	Order is valid for a period of 2 years from the date of execution of the lease deed or till the date of getting fresh approvals, clearances,

Terms of Reference dtd. 04.08.2021

						licenses, permits and the like whichever is earlier.
4	Grant of mining lease vide order no 358/SM	12.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS) 366.026 ha (as per RoR)

5. Details of executed Mine leases

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	12.01.2021	11.01.2031	IN-OD01565272991888T

6. Mining plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	Grant period		Details
				From	To	
1	Approval of Mining Plan with PMCP approved by Indian Bureau of Mines	Lr MP/A/38-ORI/BHU/20-21	19.03.2021	2020-21	2024-25	358.258 ha (as per DGPS) 366.026 ha (as per RoR)

7. The Project Proponent submitted that the mining operation will be carried out by opencast mechanised mining method by engaging HEMMs with deep hole drilling and blasting. Two quarries namely Topadith (Block A) and Baliasahi (Block B) within the VL area are proposed to be worked. PP reported that Total Geological reserve is 369.527 Million Tonnes (as on 12.01.2021) and Mineable reserve is 160.136 Million Tonnes (as on 12.01.2021). Life of mine would be 8 years including current plan period. However, further exploration has been proposed during the plan period, which will augment the resource thus exceeding the life of mine beyond lease period. The maximum bench height & width are proposed to be 15 m & 30 m respectively. Average bench slope is proposed to be 80°- 85°. The blasted ROM is proposed to be fed to crusher & screening plants for further sizing and screening to CLD and fines. Ore will be transported from quarry site to screen and crushing site for processing by use of 60m³/120m³ dumpers whereas waste materials will be dispatched from quarry to dumping site by using same capacity dumpers. As ROM production of 30MTPA is proposed from 3rd year, i.e. 2022-23 onwards, thus the construction for 6000 TPH and 2500 TPH multi stage crushing & screening plant shall start from 2nd year (i.e. 2021-22) after getting all statutory

clearances. PP also submitted that it is proposed to transport the iron ore through pipeline in the form of slurry. Out of 30 MTPA, it is proposed to transport approx 9 MTPA through road and 21 MTPA through pipeline in the form of slurry out of the MI area. A total of 9.5 Million CuM of waste generated up to conceptual period, approximately 30% i.e. 2.85 Million CuM will be utilized for road formation, maintenance and bund formation and the remaining 6.64 Million CuM shall be utilized for development and remaining waste will be dumped at proposed temporary dump location during the conceptual period. The waste dump A over an area of 28.87 Ha and waste Dump-B over an area of 27.93 ha will be utilized for dump up to conceptual period. The Project Proponent reported that general water table in the mine site is at 490 m AMSL. Hence water table will be intersected during the 5th year i.e. 2024-25 of the plan period since the working will go up to 485 m during the plan period. PP informed that necessary permission will be obtained from CGWA for intersection of ground water.

8. Water requirement

Total water requirement (Proposed)	2500 KLD		Haul Road Dust Suppressor	1968 KLD
	Fresh water	Treated water	Dry fog	416 KLD
	Ground water: 320m ³ /day	1800m ³ /day dewatered from mine quarry during mine intersection	Plantation	50 KLD
	Surface Water: 1180 m ³ /day		Domestic Purpose ETP	48 KLD 20 KLD
NOC from CGWA	NOC obtained for drawl of ground water for 320 cum/day vide No. 21-4(93) SER/CGWA/2008/1964 dt 09.10.2016 in the name of previous lessee which is valid up to 16.09.2023. PP informed that for proposed water requirement of 2500 m ³ /day, application will be submitted to CGWA for grant of NOC.			
Transfer of NOC	PP vide Lr no 2742/OMC/F&E/2021 dt 18.02.2021 requested CGWA for transfer of NOC for drawl of ground water over 320 m ³ /day in the name of M/s Odisha Mining Corporation Limited. CGWA has accepted the request and as per the instructions, PP deposited the fees to CGWA for transfer of NOC.			

9. The Project Proponent submitted that green belt development/plantation will be carried out in 56.90 ha (Plantation shall be done over waste dump including safety zone area of 6.469 ha) and 19.19 ha (Re-grassing over mineral storage area shall be developed over the area after cessation of mining activities). A total of 8750 saplings will be planted during the plan period.

10. The Project Proponent submitted that out of the total lease area 358.258 ha, revenue forest is 301.443 ha, reserved forest is 30.657 ha and total forest area is 332.100 ha and non-forest land is 26.158 ha. PP submitted that MoEF&CC has conveyed approval for diversion of 42.417 ha of forest land vide No F.No-8-96/96-FC dated 14th January 2005 and for diversion of 95.0 Ha of forest land in addition to 42.417 ha of broken up revenue forest land vide No F.No-8-96/96-FC (Pt) dated 8th September 2011. Thus the total diverted forest area at present is 137.417 Ha. PP applied for diversion of forest land of 194.883 ha vide proposal no FP/OR/MIN/1407/13/2021 dated 12.04.2021 in the name of M/s Odisha Mining Corporation Limited. PP also reported that following Reserve Forest such as Sidhamath RF (inside lease area), Lakraghal RF (Near to the Lease boundary), Karo RF - 2.2 KM (W), Ulburu RF - 1.0 KM (NW), Thokabadi RF - 4.8 KM (NW), Mendhanurani RF - 3.5 KM (SW), Baitarani RF - 7.3 KM (SE), Kathamala RF - 7.5 KM (SW) and Torha RF - 8.0 KM (NW) exists within 10km radius of the study area. PP further submitted that there are no Wild Life Sanctuaries, National Parks, Eco Sensitive Zones, Elephant/Tiger Reserves within 10 km of the mine lease area.

11. The Project Proponent submitted that there is requirement of Land Acquisition over an area of 27.262 Ha in the village Guali, Laidapada & Topadihi. Further, there is requirement of Rehabilitation & Resettlement of 112 households for the village Guali. Application to IDCO & Land Acquisition office at Collectorate is under process. The whole acquisition and Rehabilitation & Resettlement process will be conducted as per LA and R&R 2013.

12. The Project Proponent submitted that there is no any litigation pending against the project and/or land in which the project is proposed to be set up.

13. Details of project cost and employment:

Particulars	Budget (Rs. in Crore)
Project Cos.	Rs. 1020.6354
Employment	523 persons

14. The proposal for Terms of Reference was considered in the 33rd EAC meeting held during 13th to 16th July, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee recommended the proposal for grant of Terms of Reference of M/s Odisha Mining Corporation Limited for Guali Iron Ore Mine [358.258 ha (as per DGPS)/365.026 ha (as per RoR)] with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects- 2.56 Million TPA, Waste-7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant at village(s) Guali, Laidapada, Pandukposhi, Topadihi,

Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha. In addition to Standard Term of Reference for non-coal mining, along with the recommendation made by NEERI in its carrying capacity study for Odisha, the Committee also prescribed the specific term of reference for this project.

16. The Ministry of Forest & Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the Terms of References (ToR) under the provisions thereof to the above mentioned proposal of M/s Odisha Mining Corporation Limited for Guali Iron Ore Mine [358.258 ha (as per DGPS)/365.026 ha (as per RoR)] with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste-7.48 Million TPA, Topsoil- 0.164 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant at village(s) Guali, Laldapada, Panduliposh, Topadih, Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha. Subject to Specific Term of Reference, Standard Term of Reference, and Standard ToR as per the recommendation made by NEERI in its carrying capacity study for Odisha mentioned below.

A. SPECIFIC TERMS OF REFERENCE

- i. The Project Proponent shall submit the present state of mine including primary environmental baseline data in order to assess the status and level of environmental compliance while transfer of lease. The Project Proponent must show any non-compliance of earlier EC by previous occupier so that the same can be considered at the time of appraisal for grant of Environmental Clearance.
- ii. The PP should also include damage assessment due to such noncompliance as one of the activities. In absence of such disclosure by PP, any subsequent identification of environmental non-compliance would be liability of new PP. The information to be submitted may be related to, but not limited to:
 - a. Compliance of mining plan, including waste and OB dump management, mine closure plan etc.
 - b. Compliance to Common cause Judgment
 - c. Status of R&R
 - d. Compliance of plantation
 - e. Compliance of public hearing issues
 - f. Status of complaints/ court cases/legal action
 - g. Compliance of specific conditions of earlier EC

Terms of Reference dtd. 04.08 2021

- iii. Integrated RO, MoEF&CC office shall preferably conduct visit of each of such mine lease/s where a-auction have been conducted to document the compliance status of existing EC at such leases, at earliest.
- iv. New lessee shall take possession of all records and documents related to EC and consent from the earlier lessee, including EIA reports, EC, consent, correspondence with MOEF&CC and SPCB/CPCB etc.
- v. The new lessee shall provide the NRSC certified imaginary of the project site, depicting the real status of land use, canopy coverage, level of plantation, land degradation etc., one at the time of taking possession of lease and second after 6 - 12 months to assess changes effected by present occupier.
- vi. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006.
- vii. The Project Proponent shall allocate separate budget for the concerns of the public in terms of COVID health care facilities, education, and infrastructure and environment protection. The Project Proponent also shall include the budget for the betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets. PP should also submit the time bound action plan on concerns of the Public.
- viii. The Project Proponent needs to carry out a cumulative impact assessment considering all the other mines, crushers, cement plants, conveyor and other activities in the study area.
- ix. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- x. The Project Proponent needs to prepare an actionable plan for the complete suppression of the pollution due to crushing and screening plant both mobile and stationary and should submit the details of the methods and equipments to be used for the purpose and separate capital and recurring budget proposed for entire life of mine. PP should submit a table on air and noise pollutants emission data with the current and anticipated value arising due to all crusher and screening plant at normative and peak production along with the controlled and uncontrolled scenario. PP should also place the proposed mitigative measures for the identified impacts.

- xi. The Project Proponent needs to ascertain the impact of transportation and details of transportation route viz. (length of the road, type of road, passing through the village or habitation) and mitigative measures to be taken for abatement of pollution due to transportation. The budget for the same needs to be provided.
- xii. The Project Proponent shall ensure about the pipeline safety and its potential impact on ground water.
- xiii. To reduce the diesel consumption, the Project Proponent shall explore the possibility for use of electrically/solar operated vehicles and other equipments.
- xiv. The Project Proponent needs to submit the ecology restoration plan as per the mine closure plan.
- xv. The Project Proponent shall ensure that the ground water used for domestic purposes only and shall explore the possibility of alternate source of water for other industrial purposes.
- xvi. The Project Proponent needs to submit the detailed material and water balance.
- xvii. The Project Proponent shall undertake the peripheral plantation as well as gap plantation within 6 months with the seedling of 6-8 ft height with at least 90% survival rate. An undertaking for the same also needs to be submitted by PP.
- xviii. The Project Proponent shall undertake the bench plantation at least up to 3 benches during mining and up to the water level of the abandoned benches proposed for creation of water bodies.
- xix. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people.
- xx. The Project Proponent should submit list of Schedule - I species present in the lease area authenticated by PCCF and the status of National Park/Sanctuary, Biosphere Reserve/Tiger Reserve/Elephant Reserve/any other Reserve, Habitat for migratory birds, Corridor for animals within 10 km of the lease area.
- xxi. The Project Proponent needs to submit the Affidavit as per Ministry's OM dated 30.05.2018.

- xxii. The Project Proponent should comply with the Guidelines under Forest (Conservation) Act, 1980 for transfer of approvals granted under the Forest (Conservation) Act, 1980 to mining leases allotted to new lessee as per the provisions of the Mines and Minerals (Development and Regulation) Amendment Act, 2021 issued by MoEF&CC vide File No. FC-11/112/2020-FC(Pt) dated 07.07.2021.
- xxiii. The Project Proponent needs to submit the Compliance of Order dated 02.08.2017 in CWP no. 114/2014 of Hon'ble Supreme Court, Details of demand if any raised and payment if any made at Dept. of Mining and Geology, Govt. of Odisha, and Details of the past production of mine since its inception, duly authenticated by Dept. of Mines and Geology, Govt. of Odisha.

B. STANDARD TOR FOR MINING PROJECT

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994. The production details need to submit since inception of mine duly authenticated by Department of Mines & Geology, State Government.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down

Environment Policy approved by its Board of Directors? If so, it may be spell out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the proposed safeguard measures in each case should also be provided.

- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine/ lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land-use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area (core zone and buffer zone (10 km radius of the periphery of the mine lease)) shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t. CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAF) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need-based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the

sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

- 22) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season); December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.
- 23) Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Activity-wise time-bound action plan on the issues raised and commitment made during-public hearing to be submitted as part of the final EMP Report in compliance of the Ministry's OM F.No.22-65/2017-IA.III dated 30th September, 2020.

C. Recommendation of CSIR-NEERI Report on "Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining Activity In Keonjhar, Sundergarh and Mayurbhanj districts of Odisha State"

- 1) Department of Steel & Mines, Govt. of Odisha should prepare 5 years regional plan for annual iron ore requirement from the state, which in turn shall be met from different mines/zones (e.g. Joda, Kolra.) in the state. Accordingly, sustainable annual production (SAP) for each zone/mine may be followed adopting necessary environmental protection measures.
- 2) The expansion or opening of new manganese ore mines may be considered only when the actual production of about 80% is achieved. Further, the mines that have not produced Mn ore for last two years and have no commitment in the current year as well; EC capacity in such cases may be reviewed. The Department of Steel & Mines, Govt. of Odisha shall submit the Annual Report on this issue to the MoEF&CC for further necessary action.
- 3) Analysis of baseline environmental quality data for the year 2014 and 2015 indicates that existing mining activities appear to have little / no potential impact

on environmental quality, except on air environment, which was mainly due to resuspension of road dust. Therefore, all the working mines can continue to operate with strict compliance to monitoring of environmental quality parameters as per EC and CTE/CTO conditions of the respective mine, and implementation of suggested measures for control of road dust and air pollution. Odisha State Pollution Control Board has to ensure the compliance of CTE/CTC. Regional office of the MoEF&CC, Bhubaneswar shall monitor the compliance of the EC conditions. Regional office of the Indian Bureau of Mines (IBM) shall monitor the compliance of mining plan and progressive mine closure plan. Any violation by mine lease holder may invite actions per the provisions of applicable acts.

- 4) Considering the existing environmental quality, EC capacity, production rate, iron ore resources availability and transport infrastructure availability, the share of Joda and Kaira sector works out to be 70% and 30% respectively for the existing scenario for the year 2015-16. However, for additional EC capacity, it can be 50:50 subject to commensurate infrastructure improvement (viz SOTM, pollution free road transport, enhancement of rail network etc.) in the respective regions.
- 5) Continuous monitoring of different environmental quality parameters as per EC and CTE/CTO conditions with respect to air, noise, water (surface & ground water) and soil quality in each region shall be done. The environmental quality parameters should not indicate any adverse impact on the environment. Monitoring within the mines should be done by individual mine lease holders, whereas outside the mine lease area, monitoring should be done by the Govt. of Odisha through various concerned departments/ authorized agencies. Various monitoring/ studies should be conducted through national reputed institutes, NABET/ MoEF&CC accredited laboratories/organizations. The reports submitted by individual mine lease holders and study reports prepared by other concerned departments/agency for each of the regions should be evaluated and examined by SPCB/ MoEF&CC.
- 6) Construction of cement concrete road from mine entrance and exit to the main road with proper drainage system and green belt development along the roads and also construction of road minimum 300 m inside the mine should be done. This should be done within one year for existing mines and new mine should have since beginning. The concerned departments should extend full support; wherever the land does not belong to the respective mine lease holders. The Department of Steel & Mines, Govt. of Odisha should ensure the compliance and should not issue the Mining Permits, if mine lease holder has not constructed proper cement concrete road as suggested above.

7) In view of high dust pollution and noise generation due to road transport, it is proposed to regulate/guide the movement of iron and manganese ore material based on the EC capacity of the mines. Accordingly, ore transport mode has been suggested, as given below in Table.

Table : EC Capacity based Suggested Ore Transport Mode (SOTM)

Code	EC	Suggested Ore Transport Mode
SOTM 1	≥ 5 MTPA	100% by private railway siding or conveyor belt up to public railway siding or pipeline for captive mines and 70% for non-captive mines
SOTM 2	Between 3 and <5 MTPA	Minimum 70% by public railway siding, through conveyor belt and maximum 30% by road - direct to destination or other public railway siding or above option
SOTM 3	Between 1 and < 3 MTPA	Minimum 70% by public railway siding and maximum 30% by road - direct to destination or by other public railway siding or above options
SOTM 4	<1 MTPA	100 % by 10/17 Ton Trucks or above options

It is mentioned by State Govt. of Odisha that currently about 45% of the iron ore is despatched using rail network and progressively it will be increased to about 60% by rail/slurry over a period of 5 years, taking into account time required to set up more railway sidings.

In view of present ore transport practices and practical limitations, all the existing mines should ensure adoption of SOTM within next 5 years. New mines or mines seeking expansion should incorporate provision of SOTM in the beginning itself, and should have system in place within next 5 years.

However, the State Govt. of Odisha shall ensure dust free roads in mining areas wherever the road transportation of mineral is involved. The road shoulders shall be paved with fence besides compliance with IRC guidelines. All the roads should have proper drainage system and apart from paving of entire carriage width the remaining right of way should have native plantation (dust capturing species). Further, regular maintenance should also be ensured by the Govt. of Odisha.

Transportation of iron & manganese ore through river (jetty) to nearest Sea port (Sea cargo option) may be explored or connecting Sea ports with Railway

Terms of Reference dtd. 04.08.2021

network from the mines to be improved further so that burden on existing road and rail network and also pollution thereof can be minimized.

Progress on development of dust free roads, implementation of SOTM, increased use of existing rail network, development of additional railway network/conveyor belt/ pipelines etc. shall be submitted periodically to MoEF&CC. Responsibility: Department of Steel & Mines, Govt. of Odisha; Time Period: 5 Years for developing railway/ conveyor belt facilities

- 8) Development of parking plazas for trucks with proper basic amenities/ facilities should be done inside mine. This should be done within one year for existing mines and new mines should have since beginning. Small capacity mines (in terms of lease area or production) not having enough space within the mine lease areas should develop parking plaza at a common place within the region with requisite facilities. Responsibility: Individual Mine Lease Holders; Time Period: 1 Year
- 9) Construction of NH-215 as minimum 4 lane road with proper drainage system and plantation and subsequent regular maintenance of the road as per IRC guidelines. Construction of other mineral carrying roads with proper width and drainage system along with road side plantation to be carried out. Responsibility: Department of Steel & Mines with PWD / NHAI Time Period: 2 Years.
- 10) Regular vacuum cleaning of all mineral carrying roads aiming at "Zero Dust Re-suspension" may be considered. Responsibility: PWD / NHAI/ Mine Lease Holders; Time Period: 3 months for existing roads.
- 11) Expansion of existing mines and new mines should be considered after conducting recent EIA Study (as per the provisions of EIA Notification, 2006, as amended time to time) with proper justification on demand scenario for iron ore requirement and availability of pollution free transport network in the region. Responsibility: IBM, Department of Steel & Mines and MoEF&CC, New Delhi.
- 12) **Mine-wise Allocation of Annual Production:** In case the total requirement of iron ore exceeds the suggested limit for that year, permission for annual production by an individual mine may be decided depending on approved EC capacity (for total actual dispatch) and actual production rate of individual mine during last year or any other criteria set by the State Govt., i.e. Dept. of Steel & Mines. Department of Steel and Mines in consultation with Indian Bureau of Mines-RO should prepare in advance mine-wise annual production scenario as suggested in Table, so that demand for iron ore can be anticipated, and actual production/ dispatch does not exceed the suggested annual production.

Table: Allocation of Production to Different Mines for 5 Years (as per approved Mining Plan)

Mine Lease	EC Capacity (MTPA)	Suggested Annual Production (MT)				
		2016-17	2017-18	2018-19	2019-20	2020-21
		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Mine 1	X1					
Mine 2	X2					
Mine 3	X3					
Mine n	Xn					
Total	160 + dX	105	129	153	177	201
Next year allocation = Average of EC Capacity and Last year production						

13) **Expansion of Existing Mines having Validity up to 2020:** In view of implementation of MMDR Act 2015, wherein many non-captive mines are expected to be closed by March 2020, total iron ore production scenario has been. It is expected that the non-captive mines having validity till 2020 shall try to maximize their production (limited to EC capacity) in the remaining period. Further, depending upon availability of iron ore resources, these mines may also seek expansion of EC capacity. It may be noted here that total EC capacity of existing 25 working mines having validity upto 2020 is about 85 MTPA, whereas actual production from these mines has been only 44.677 MT (52.6%) during 2015-16 and 57.07 MT (67.1%) during 2016-17. Also, it is expected that these mines would not even be able to achieve ore production as per existing EC capacity till March 2020. Therefore, these existing mines should go for production to the fullest extent to meet the requisite demand from the State. However, where EC limit is exhausted, application for expansion may be considered. Further, the EC process (i.e. Grant of TOR, Baseline data collection, Mining plan/ scheme approval, Public hearing, preparation of EIA/EMP Report, Appraisal by the EAC and grant of EC) takes about one year time. Under such circumstances, it is suggested that further applications for grant of TOR or grant of EC for expansion of production capacity of the mine should be considered for those existing mines, which have exhausted their capacity subject to consideration of all environmental aspects. Responsibility: Department of Steel & Mines and MoEF&CC, New Delhi.

14) **Sustained Iron Ore Production beyond 2020:** Considering the implementation of MMDR Act 2015, total production of iron ore in Odisha State is anticipated to be about 111 MT during 2016-17 (actual production was – 102.663 MT), 136 MT during 2017-18, 146 MT during 2018-19 and 146 MT during 2019-20. Then there will be substantial drop in total production (to the tune of 73 MT during 2020-21

onwards) due to closure of mines, which are valid up to 2020. Therefore, in order to maintain operation/sustained growth of downstream industries, iron ore mining in the region needs to be continued at a sustainable rate. The State Govt. through Department of Steel and Mines should initiate appropriate action to ensure continued availability of iron ore from the region, as per suggested sustainable annual production.

- 15) **Reserves Estimation–Mining Plan and Exploration:** Appropriate actions (geo-technical investigation for qualitative and quantitative resource estimation & other preparations for auction of mines), may be initiated taken into account the existing working mines, and the mines which were operational at some point of time (but closed presently due to various reasons). The total iron ore reserves/resources available within the total lease area of each mine should be estimated by State Govt./NMET/ GSI (or any other approved agency) with respect to: (i) Total lease area of mine (surface), (ii) Maximum depth to which resources could be available, (iii) Resources below the ground water table (if intersected), (iv) Reserves are to be estimated as per UNFC code with respect to quantity and quality (% Fe content), (v) Maximum mining rate and area for auction (after 2020) will be calculated based on total resources available and proposed life of mine leading to closure of mine in a stipulated time period.

Responsibility: Department of Steel & Mines, IBM and GSI; **Time frame:** 1 year for the mines to be auctioned for next 2 years. The above mentioned organizations shall ensure the compliance with respect to timelines for implementations.

- 16) Depending upon availability of extractable iron ore resources within a mine, mining below the ground water table may be permitted after conducting necessary geological and hydro-geological study by GSI and requisite approval from the CGWB/CGWA (Central Ground Water Board/Authority). This can be explored at least in few mines on trial/pilot basis. Further, within a mine, it will be desirable to operate one pit at a time, and next pit should be opened after extracting maximum possible resources from the first pit, so that the exhausted pit can be used for back filling/ storing of low grade iron ore. However, depending upon the quantity and/or quality of iron/ manganese ore, other mine pits in the same mine lease may also be opened for sustainable scientific mining, as per approved mining plan/scheme of mining by IBM. The Department of Steel & Mines, Govt. of Odisha should initiate the pilot project so that minerals are fully utilized.

- 17) **Commercial Utilization of Low Grade Ore:** R&D studies towards utilization of low- grade iron ore should be conducted through research/academic institutes

like IMMT, Bhubaneswar, NML, Jamshedpur, and concerned metallurgical departments in IITs, NITs etc.; targeting full utilization of low-grade iron ore (Fe content upto 45% by 2020 and upto 40% by 2025). In fact, life cycle assessment of whole process including environmental considerations should be done for techno-economic and environmental viability. R&D studies on utilization of mine wastewater having high concentration of Fe content for different commercial applications in industries such as cosmetics, pharmaceutical, paint industry should also be explored. Responsibility: IBM, Dept. of Steel & Mines, Individual Mine Lease Holders

18) The mining activity in Joda-Koira sector is expected to continue for another 100 years, therefore, it will be desirable to develop proper rail network in the region. Rail transport shall not only be pollution free mode but also will be much economical option for iron ore transport. The rail network and/or conveyor belt system upto public railway siding needs to be created. The total length of the conveyor belt system/ rail network to be developed from mines to nearest railway sidings by 11 mines in Joda region is estimated to be about 64 km. Similarly, in Koira region, total length of rail network/ conveyor system for 8 mines (under SOTM 1 & 2) is estimated to be around 95 km. Further, it is suggested to develop a rail network connecting Banspani (Joda region) and Roxy railway sidings in Koira region. Responsibility: Dept. of Steel & Mines, Govt. of Odisha and Concerned Mines along with Indian Railways. Time Period: Maximum 7 years (by 2025). The Department of Steel & Mines, Govt. of Odisha should follow-up with the concerned Departments and railways so that proposed proper rail network is in place by 2025.

19) State Govt. of Odisha shall make all efforts to ensure exhausting all the iron & manganese ore resources in the existing working mines and from disturbed mining leases/zones in Joda and Koira region. The criteria suggested shall be applicable while suggesting appropriate lease area and sustainable mining rate. Responsibility: Dept. of Steel & Mines, Govt. of Odisha

20) Large and medium mine leases contribute to better implementation of reclamation and rehabilitation plans to sustain the ecology for scientific and sustainable mining. The small leases do not possess scientific capability of environmentally sustainable mining. Therefore, new mine leases having more than 50 ha area should be encouraged, as far as possible. This will ensure inter-generational resource availability to some extent. Responsibility: Dept. of Steel & Mines, Govt. of Odisha.

21) Mining Operations/Process Related: (i) Appropriate mining process and

machinery (viz. right capacity, fuel efficient) should be selected to carry out various mining operations that generate minimal dust/air pollution, noise, wastewater and solid waste. e.g. drills should either be operated with dust extractors or equipped with water injection system. (ii) After commencement of mining operation, a study should be conducted to assess and quantify emission load generation (in terms of air pollution, noise, waste water and solid waste) from each of the mining activity (including transportation) on annual basis. Efforts should be made to further eliminate/ minimize generation of air pollution/dust, noise, wastewater, solid waste generation in successive years through use of better technology. This shall be ensured by the respective mine lease holders. (iii) Various machineries/equipment selected (viz. dumpers, excavators, crushers, screen plants etc.) and transport means should have optimum fuel/power consumption, and their fuel/power consumption should be recorded on monthly basis. Further, inspection and maintenance of all the machineries/ equipment/ transport vehicles should be followed as per manufacturer's instructions/ recommended time schedule and record should be maintained by the respective mine lease holders. (iv) Digital processing of the entire lease area using remote sensing technique should be carried out regularly once in 3 years for monitoring land use pattern and mining activity taken place. Further, the extent of pit area excavated should also be demarcated based on remote sensing analysis. This should be done by ORSAC (Odisha Space Applications Centre, Bhubaneswar) or an agency of national repute or if done by a private agency, the report shall be vetted/ authenticated by ORSAC, Bhubaneswar. Expenses towards the same shall be borne by the respective mine lease holders. Responsibility: Individual Mine Lease Holders

- 22) Air Environment Related: (i) Fugitive dust emissions from all the sources should be controlled regularly on daily basis. Water spraying arrangement on haul roads, loading and unloading and at other transfer points should be provided and properly maintained. Further, it will be desirable to use water fogging system to minimize water consumption. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the CPCB in this regard. (ii) The core zone of mining activity should be monitored on daily basis. Minimum four ambient air quality monitoring stations should be established in the core zone for SPM, PM10, PM2.5, SO2, NOx and CO monitoring. Location of air quality monitoring stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board (based on Emission Load Assessment Study). The number of monitoring locations may be more for larger capacity mines and working in

larger area. Out of four stations, one should be online monitoring station in the mines having more than 3 MTPA EC Capacity. (ii) Monitoring in buffer zone should be carried out by SPCB or through NABET accredited agency. In addition, air quality parameters (SPM, PM10, PM2.5, SO2, NOx and CO) shall be regularly monitored at locations of nearest human habitation including schools and other public amenities located nearest to source of the dust generation as applicable. Further, 11 continuous air quality monitoring systems may be installed in Joida and Koirra regions and one in Baripada/Rairangpur region. (iv) Emissions from vehicles as well as heavy machinery should be kept under control and regularly monitored. Measures should be taken for regular maintenance of vehicles used in mining operations and in transportation of mineral. (v) The vehicles shall be covered with a tarpaulin and should not be overloaded. Further, possibility of using closed container trucks should be explored for direct to destination movement of iron ore. Air quality monitoring at one location should also be carried out along the transport route within the mine (periodically, near truck entry and exit gate). Responsibility: Individual Mine Lease Holders and SPCB.

23) Noise and Vibration Related: (i) Blasting operation should be carried out only during daytime. Controlled blasting such as Nonel, should be practised. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. (ii) Appropriate measures (detailed in Section 5.4) should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone. Further, date, time and distance of measurement should also be indicated with the noise levels in the report. The data should be used to map the noise generation from different activities and efforts should be made to maintain the noise levels with the acceptable limits of CRCE (CRCE, 2000). (iv) Similarly, vibration at various sensitive locations should be monitored atleast once in month, and mapped for any significant changes due to successive mining operations. Responsibility: Individual Mine Lease Holders.

24) Water/Wastewater Related: (i) In general, the mining operations should be restricted to above ground water table and it should not intersect groundwater table. However, if enough resources are estimated below the ground water table, the same may be explored after conducting detailed geological studies by GSI and hydro-geological studies by CGWB or NIH or Institute of national repute, and ensuring that no damage to the land stability/water aquifer system shall happen. The details/ outcome of such study may

be reflected/incorporated in the EIA/EEMP report of the mine appropriately. (ii) Natural watercourse and/or water resources should not be obstructed due to any mining operations. Regular monitoring of the flow rate of the springs and perennial nallas should be carried out and records should be maintained. Further, regular monitoring of water quality of nallas and river passing through the mine lease area (upstream and downstream locations) should be carried out on monthly basis. (iii) Regular monitoring of ground water level and its quality should be carried out within the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out on monthly basis. (iv) In order to optimize water requirement, suitable conservation measures to augment ground water resources in the area should be undertaken in consultation with Central Ground Water Board (CGWB). (v) Suitable rainwater harvesting measures on long term basis should be planned and implemented in consultation with CGWB, to recharge the ground water source. Further, CGWB can prepare a comprehensive plan for the whole region. (vi) Appropriate mitigation measures (viz. ETP, STP, garland drains, retaining walls, collection of runoff etc.) should be taken to prevent pollution of nearby river/other water bodies. Water quality monitoring study should be conducted by State Pollution Control Board to ensure quality of surface and ground water sources on regular basis. The study can be conducted through NABL/ NABET approved water testing laboratory. However, the report should be vetted by SPCB. (vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated in ETP so as to conform to the discharge standards applicable. (viii) Oil and grease trap should be installed before discharge of workshop effluents. Further, sewage treatment plant should be installed for the employees/colony, wherever applicable. (ix) Mine lease holder should ensure that no silt originating due to mining activity is transported in the surface water course or any other water body. Appropriate measures for prevention and control of soil erosion and management of silt should be undertaken. Quantity of silt/soil generated should be measured on regular basis for its better utilization. (x) Erosion from dumps site should be protected by providing geo-textile matting or other suitable material, and thick plantation of native trees and shrubs should be carried out at the dump slopes. Further, dumps should be protected by retaining walls. (xi) Trenches / garland drain should be constructed at the foot of dumps to arrest silt from being carried to water bodies. Adequate number of check dams should be constructed across seasonal/perennial nallas (if any) flowing through the mine lease areas and silt be arrested. De-silting at regular intervals should be carried out and quantity should be recorded for its better utilization, after proper soil quality

analysis. (xii) The water so collected in the reservoir within the mine should be utilized for the sprinkling on hauls roads, green belt development etc. (xiii) There should be zero waste water discharge from the mine. Based on actual water withdrawal and consumption/ utilization in different activities, water balance diagram should be prepared on monthly basis, and efforts should be made to optimize consumption of water per ton of ore production in successive years. Responsibility: Individual Mine Lease Holders, SPCB and CGWB.

- 25) **Land/ Soil/ Overburden Related** (i) The top soil should temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long (not more than 3 years or as per provisions mentioned in the mine plan/ scheme). The topsoil should be used for land reclamation and plantation appropriately. (ii) Fodder plots should be developed in the non-mineralised area in lieu of use of grazing land, if any. (iii) Over burden/ low grade ore should be stacked at earmarked dump site(s) only and should not be kept active for long period. The dump height should be decided on case to case basis, depending on the size of mine and quantity of waste material generated. However, slope stability study should be conducted for larger heights, as per IBM approved mine plan and DGMS guidelines. The OB dump should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles should be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Proper records should be maintained regarding species, their growth, area coverage etc. (iv) Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine operation, soil, OB and mineral dumps. The water so collected can be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon and should be maintained properly. Appropriate documents should be maintained. Garland drain of appropriate size, gradient and length should be constructed for mine pit, soil, OB and mineral dumps and sump capacity should be designed with appropriate safety margin based on long term rainfall data. Sump capacity should be provided for adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at regular intervals. (v) Backfilling should be done as per approved mining plan/scheme. There should be no OB dumps outside the mine lease area. The backfilled area should be afforested, aiming to restore the normal ground level. Monitoring and management of rehabilitated areas should continue till the vegetation is established and becomes self-generating. (vi) Hazardous waste such as, waste oil, lubricants, resin, and

coal tar etc. should be disposed off as per provisions of Hazardous Waste Management Rules, 2016, as amended from time to time. Responsibility: Individual Mine Lease Holders.

- 26) **Ecology/Biodiversity (Flora-Fauna) Related:** (i) As per the Red List of IUCN (International Union for Conservation of Nature), six floral species and 21 faunal species have been reported to be under threatened, vulnerable & endangered category. Protection of these floral and faunal species should be taken by the State Forest & Wildlife Department on priority, particularly in the mining zones, if any. (ii) The mines falling within 5-10 km of the Karo-Karampada Elephant corridor buffer need to take precautionary measures during mining activities. The forest and existing elephant corridor routes are to be protected and conserved. Improvement of habitat by providing food, water and space for the elephants is required to be ensured to avoid Man-Elephant conflicts. Though as per the records of State Forest Department, movement of elephants in the Karo-Karampada elephant corridor within 10 km distance from the mines in Joda and Koira is not observed, the Forest Department shall further record and ensure that elephant's movement is not affected due to mining activities. (iii) All precautionary measures should be taken during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear etc. spotted in the study area. Action plan for conservation of flora and fauna should be prepared and implemented in consultation with the State Forest and Wildlife Department within the mine lease area, whereas outside the mine lease area, the same should be maintained by State Forest Department. (iv) Afforestation is to be done by using local and mixed species saplings within and outside the mining lease area. The reclamation and afforestation is to be done in such a manner like exploring the growth of fruit bearing trees which will attract the fauna and thus maintaining the biodiversity of the area. As afforestation done so far is very less, forest department needs to identify adequate land and do afforestation by involving local people in a time bound manner. (v) Green belt development carried out by mines should be monitored regularly in every season and parameters like area under vegetation/plantation, type of plantation, type of tree species /grass species/scrubs etc., distance between the plants and survival rate should be recorded. (vi) Green belt is an important sink of air pollutants including noise. Development of green cover in mining area will not only help reducing air and noise pollution but also will improve the ecological conditions and prevent soil erosion to a greater extent. Further, selection of tree species for green belt should constitute dust removal/dust capturing plants since plants can act as efficient biological filters removing significant amounts of particulate pollution. Thus, the identified native trees in the mine area may be encouraged for plantation.

Tree species having small leaf area, dense hair on leaf surface (rough surface), deep channels on leaves should be included for plantation. (vii) Vetiver plantation on inactive dumps may be encouraged as the grass species has high strength of anchoring besides medicinal value. (viii) Details of compensatory afforestation done should be recorded and documented by respective forest divisions, and State Forest Department should present mine-wise annual status, along with expenditure details. (ix) Similarly, Wildlife Department is also required to record and document annual status of wildlife in the region and should identify the need for wildlife management on regional level. (x) Maintenance of the ecology of the region is prime responsibility of the State Forest and Wildlife Department. They need to periodically review the status and identify the need for further improvement in the region. The required expenditure may be met from the funds already collected in the form of compensatory afforestation and wildlife management. Further, additional fund if required can be sought from DMP. Responsibility: Individual Mine Lease Holders and State Forest & Wildlife Department.

27) **Socio-Economic Related:** (i) Public interaction should be done on regular basis and social welfare activities should be done to meet the requirements of the local communities. Further, basic amenities and infrastructure facilities like education, medical, roads, safe drinking water, sanitation, employment, skill development, training institute etc. should be developed to alleviate the quality of life of the people of the region. (ii) Land oustees and land losers/affected people, if any, should be compensated and rehabilitated as per the national/state policy on Resettlement and Rehabilitation. (iii) The socio-economic development in the region should be focused and aligned with the guidelines/initiatives of Govt. of India/ NITI Aayog / Hon'ble Prime Minister's Vision centring around prosperity, equality, justice, cleanliness, transparency, employment, respect to women, hope etc. This can be achieved by providing adequate and quality facilities for education, medical and developing skills in the people of the region. District Administration in association with mine lease holders should plan for "Samagra Vikas" of these blocks well as other blocks of the district. While planning for different schemes in the region, the activities should be prioritized as per Pradhan Mantri Kisan Kshetra Kalyan Yojna (PMKKKY), notified by Ministry of Mines, Govt. of India, vide letter no. 16/7/2017-M.VI (Part), dated September 16, 2015. Responsibility: District Administration and Individual Mine Lease Holders.

28) **Road Transport Related:** (i) All the mine lease holders should follow the suggested ore transport mode (SOTM), based on its EC capacity within next 5 years. (ii) The mine lease holders should ensure construction of cement road

of appropriate width from and to the entry and exit gate of the mine, as suggested in Chapter 10. Further, maintenance of all the roads should be carried out as per the requirement to ensure dust free road transport. (iii) Transportation of ore should be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore/dust takes place. Further, air quality in terms of dust, PM10 should be monitored near the roads towards entry & exit gate on regular basis, and be maintained within the acceptable limits. Responsibility: Individual Mine Lease Holders and Dept. of Steel & Mines

- 29) **Occupational Health Related:** (i) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects periodically. (ii) Occupational health surveillance program for all the employees/workers (including casual workers) should be undertaken periodically (on annual basis) to observe any changes due to exposure to dust, and corrective measures should be taken immediately, if needed. (iii) Occupational health and safety measures related awareness programs including identification of work related health hazard, training on malaria eradication, HIV and health effects on exposure to mineral dust etc., should be carried out for all the workers on regular basis. A full time qualified doctor should be engaged for the purpose. Periodic monitoring (on 6 monthly basis) for exposure to respirable minerals dust on the workers should be conducted, and record should be maintained including health record of all the workers. Review of impact of various health measures undertaken (at an interval of 3 years or less) should be conducted followed by follow-up of actions, wherever required. Occupational health centre should be established near mine site itself. Responsibility: Individual Mine Lease Holders and District Administration (District Medical Officer)

- 30) **Reporting of Environmental Sustainability Achievement:** All the mines should prepare annual environmental sustainability report (ESR), highlighting the efforts made towards environmental protection with respect to different environmental components vis-à-vis production performance of the mine on monthly basis. The data collected as per EC and CTE/CTO conditions should be utilized to prepare the annual sustainability report. The mines performing high with effective environmental safeguards may be suitably recognized/rewarded. "Star Rating Format" formulated by the Ministry of Mines along with environmental sustainability report may be used.

- 31) **Environmental Monitoring Requirements at Regional Level:** Apart from strict compliance and monitoring by individual mine lease holder, there is a

need for simultaneous monitoring in each of the regions by competent expert agencies under the guidance/ supervision of concerned regulatory agency. Details of the studies required to be done on regular basis (continuously for 5 years) through responsible agency (organization of national/state repute) and time frame are suggested in Table.

Table: Suggested Environmental Monitoring Requirements and Action Plans at Regional Level

Sr. No.	Study Component/ Action Plan	Responsibility	Monitoring and Reporting Time Frame (Approx.)
1.	Environmental Quality Monitoring with respect to Air, Water, Noise and Soil Quality in each region (Joda, Koira and Baripada/Rairangpur) as per specified frequency shall be done by a third party (preferably Govt.) and/or laboratory approved/ recognized by NABET/ CPCB/ SPCB/ MoEF&CC.	SPCB	Continuous Annually
	All the water bodies (rivers, nullas, ponds etc.) shall be monitored. National/State level research/ academic institutes may be involved initially for couple of years to streamline the activity. The report shall be brought out annually by June each year. The study shall be conducted in consultation with MoEF&CC-RO.		
	<u>Installation of online ambient air quality monitor for PM10, PM2.5, SOx and NOx within the mine having more than 3 MTPA EC Capacity</u>	<u>Respective Mine Lease Holders</u>	<u>Continuous Annually</u>
	Installation of online ambient air quality monitor for PM10, PM2.5, SOx and NOx in the Joda and Koira Region (total 11 locations).	SPCB	Continuous Annually
2.	Status of flora and fauna in each of the regions shall be assessed on annual basis. Changes, if any, taking place in the region shall be brought out clearly. The study shall be conducted in consultation with State Forest and Wildlife Department.	State & Forest Wildlife Dept.	Annually in mining zone and once in 3 years in the region
3.	Socio-economic study incorporating developments taking place in each of the region, CSR initiatives made by the mining companies shall be conducted on annual basis. Further, micro level developmental needs shall be clearly brought out in the report for each region. The	Respective District Administration	Annually

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	study shall be conducted in consultation with district administration.		
4.	A detailed hydro-geological study in each of the regions shall be conducted in an integrated manner in consultation with Regional Director, Central Ground Water Board. Accordingly, all project proponents shall implement suitable conservation measures to augment ground water resources in the area.	SPCB	Once in 2 years
5.	The State Govt. shall ensure construction and maintenance of dust free common roads/ appropriate rail network for transport of ore from mines to the consumer end.	Dept. of Steel & Mines	12 months for road network and 5-7 years for rail network
6.	Construction and maintenance of dust free roads from respective mine to the main road	Respective Mine Lease Holders	Continuous 6 months
7.	Traffic/road inspection study addressing the condition of traffic/roads leading to different mines and connecting to different railway sidings shall be undertaken on annual basis. Further, detailed traffic study shall be undertaken on every 5 yearly basis to ensure adequacy of road/rail infrastructure in each of the regions. The study can be undertaken through national/ state level research/ academic institute (such as CSIR- CRRI, New Delhi)	Dept. of Steel & Mines	Continuous 6 months
8.	Assessment of land use/ land cover changes in each of the regions, with particular focus on mining areas, afforestation activities, variation in flow path of various water bodies etc. using remote sensing data	ORSAC	Annually
9.	R&D Studies for utilization of low-grade iron ore	Dept. of Steel & Mines through R&D / Academic Institutes	Up to 45% by 2020 and Up to 40% by 2025

The data so generated for the region should be made available on the website of Department of Steel & Mines and also at MoEF&CC website, so that it can be effectively utilized by Individual Mine Lease Holders for preparing EIA/ EMP reports. This will meet the requirement for separate one season baseline environmental quality data collection by the Individual proponents, if the mine proposed is in the same study region. Further,

MoEF&CC (through EAC) can also utilize the data base available in evaluating the proposals for expansion of existing mines or new mines while granting ToR or EC to the mine, taking an holistic view of the region. State Govt. of Odisha should bring out an integrated environmental sustainability report for each of the regions (mainly for Joda and Koia region) incorporating ESR of individual mines and data collected in the region through various agencies, once in 5 years, to plan level of scientific and sustainable mining for the next 5 years.

- 32) Institutional Mechanism for Implementation of Environmentally Sustainable Mining: The present study is not a one-time study, but a process to ensure environmentally sustainable mining activities in the region on long term basis. Looking into the large-scale mining activities and long term perspective for mining vis-à-vis environmentally sustainable mining and upliftment of people of the region, there is a need to create an agency, who will integrate all the aspects relating to sustainable mining in the region on long term basis. It could be a SPV of Govt. of Odisha or a cell within the overall control and supervision of Dept. of Steel & Mines, with members from IBM, GSI, OSPCB, MoEF&CC-RO and other concerned Departments and Mine Owners (EZMA), District Administration. It is found that the strong database available for the region needs to be taken into account to map and establish environmental quality of the region on daily, monthly, seasonal and annual basis. Further, the efforts and initiatives of the mines towards environmental protection as well as upliftment of the people of the region are required to be integrated, and a systematic plan at the block/regional level needs to be framed for the overall benefit of the local society, region, district, state and the country as a whole. It will be desirable to have proper environmental quality data management and analysis by NEERI or any other agency for next 5 years (six monthly compliance reports followed by field verification) ensuring sustainable mining practices in the region leading to an overall development of the region. District Mineral Funds should be utilized appropriately for various developmental activities/needs of the region. Further, an environmental sustainability report incorporating environmental status of region coupled with social upliftment may be brought out by SPCB or any other authorized agency on annual basis. This report can be used for supporting the regional EIA study, and also need for environmental quality monitoring by individual mine seeking environmental clearance for new mine/ expansion of mine, including public hearing. Since, outcome of the above study reports shall be in the overall interest of all the stakeholders (including local population) of the region, further planning for the region shall warrant cooperation and assistance of all the stakeholders

(mine operators, industries, transporters, State & Central Government Offices, MoEF&CC, GPCB, SPCB, Dept. of Steel & Mines, IBM, IMD, NGOs and local people) in sharing the relevant data/information/reports/documents etc. to continuously improve upon the environmentally sustainable development plan for economic growth in mining sector as well as for improvement in quality of life of the people of the region.

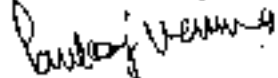
16. Besides the above, the below mentioned general points are also to be followed:
- a) All documents to be properly referenced with index and continuous page numbering.
 - b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - d) Where the documents provided are in a language other than English, an English translation should be provided.
 - e) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - f) While preparing the EIA report, the Instructions for the Proponents and Instructions for the Consultants issued by MoEF vide O.M. No. J-11013/41/2008-IA.II (I) dated 4th August, 2008, which are available on the website of this Ministry, should be followed.
 - g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - h) As per the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

17. The prescribed TOR would be valid for a period of four years for submission of the EIA/EMP report, as per the notification S.O 751 (E) dated 17.02.2020. The instant TOR is valid up to four years from the date of issuance of TOR.

18. The Project Proponent should submit the EIA/EMP report as per the generic structure prescribed in Appendix-III of the EIA Notification, 2006 after incorporating the details of public hearing conducted and covering the above-mentioned issues, to take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.

19. The issues with the approval of the Competent Authority.

Yours faithfully,



(Pankaj Verma)

Scientist 'E'

Email- pankaj.verma@nic.in

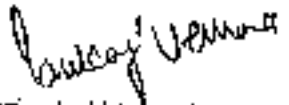
Tel/Fax- 011- 24895264

Copy to:

- 1). The Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- 2). ~~The Chief Secretary, Government of Odisha, Secretariat, Bhubaneswar.~~
- 3). The Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
- 4). The Secretary, Department of Mines and Geology, Government of Odisha, Secretariat, Bhubaneswar.
- 5). The Secretary, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
- 6). ~~The Secretary, Department of Steel and Mines, Government of Odisha, Secretariat, Bhubaneswar.~~
- 7). The Member Secretary, Odisha Pollution Control Board, Parivesh Bhawan, A/116 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- 8). The Additional Principal Chief Conservator of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar-751023.
- 9). The Chief Wildlife Warden, Prakurti Bhawan, 5th floor, BDA Apartment, Nilakanthanagar, Nayapalli, Bhubaneswar-751012, Odisha.
- 10). The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- 11). The Controller General, Indian Bureau of Mines, Indra Bhawan, Civil Lines, Nagpur-440001.

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- 12). **The Member Secretary, Central Ground Water Board, Ministry of Agriculture and Irrigation, 12/1 Jam Nagar House, Shahjahan road, New Delhi 110011.**
- 13). **The District Collector, Keonjhar District, Govt. of Odisha.**
- 14). **Guard File.**
- 15). **PARIVESH Portal.**


(Pankaj Verma)
Scientist 'E'

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Annexure-III

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

No.FE-IV-FLD-C034-2022- 8065 /FE&CC, Date 30.04.22
LOF (Cons) 18/2022

From
Lingaraj Oda,
OSD-cum-Special Secretary to Government

Advisory
A/M
For M.A. Item
9/5/22

To
The Assistant Inspector General of Forests,
Govt. of India, MoEF&CC (F.C. Division),
Indira Paryavaran Bhawan, Jor Bagh,
AIGanj Road, New Delhi-110003.

Sub: Proposal for diversion of 194.683 ha of forest land involved in the mining lease area over 358.258 ha (As per DGPS)/ (365.026 ha as per RoR) of Guali Iron Ore Mines of M/s OMC Ltd. in Keonjhar District, Odisha. (Proposal No.FP/OR/MIN/140713/2021, State Sl. No.CR-054/2021 dtd.09.09.2021)

5/5/22
9/5/22

Sr,
I am directed to send herewith a proposal for diversion of 194.683 ha of forest land (including 21.379 ha as safety zone), under Keonjhar Forest Division, in Barhli Tahasil of Keonjhar District, in the State of Odisha, involved within the total mining lease area over 358.258 ha (As per DGPS)/ 365.026 (As per RoR) of Guali Iron Ore Mine of M/s OMC Ltd. as received from the PCCF & HoFF, Odisha for consideration and approval of Government of India, Ministry of Environment, Forest & Climate Change under Section 2 (ii) of Forest (Conservation) Act, 1980.

I. Brief Description:

Odisha Mining Corporation Ltd, registered under Company Act, 1956, a Public Sector undertaking of Government of Odisha is engaged in mining sector to supply exploited minerals like Iron and Manganese to the mineral based industries of the State. Among several mining lease, the OMC Ltd. has the Guali Iron Ore Mine in Keonjhar District. As reported by the DFO, Keonjhar Division, on perusal of the records received from the Department of Steel & Mines vide letter No.324/SM dt.11.01.2021 (Annexure-J Series) (Page No.22-21/DP) related to valid rights, approvals, clearances, licenses and the like held by the previous lessee, it is ascertained that Guali Iron Ore mining lease over an area of 902.00 Ac or 365.026 ha for iron ore was initially executed in favour of M/s M. H. Rahman on dtd.21.05.1963 with effect from 27.06.1953 to 26.06.1973 for a period of 20 years. Subsequently, the aforesaid ML was renewed by the State Government for a

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Further period of 20 years (27.06.1973 to 26.06.1993) and the lease was executed on 23.06.1980. During this 1st renewal period, the State Government vide their letter No.12437/MG dtd.22.10.1986 transferred and executed the lease in favour of Sri Ramesh Prasad Sao on dtd.15.11.1986. Prior to expiry of the 1st renewal period, Sri R. P. Sao applied to the State Govt. for 2nd renewal on 10.02.1992 (Form-D No. 479) for 20 years (27.06.1993 to 26.06.2013). Sri R.P. Sao filed the 3rd renewal application vide Form-D No.933 dtd.25.04.2012 for a period of 20 years from 27.06.2013 to 26.06.2033. The file was processed by the State Government as per Section 8 (A) of MM (D&R) Amendment Act, 2015 and the period of mining lease was extended up to 31.03.2020 vide supplementary lease deed on dtd.23.05.2015. The mining operation was under suspension from dtd.27.06.2013 to dtd.13.04.2018 and resumed as per the order dtd.09.04.2018 of the Hon'ble Supreme Court of India and continued till dtd.31.03.2020. Thereafter, the mine was put under auction by the State Government.

Consequent upon amendment of Mines and Minerals (Development and Regulation) Act 1957, the sub-section (6) of section 8A, was inserted in the MMDR Act through the said amendment in 2015 to provide that the non-captive mining lease period shall be extended up to 31.03.2020 or a period of 50 years from the date of grant of lease whichever is later. Consequently, Guali Iron Ore Mines got expired on 31.03.2020. The mine was put under auction by the State Government and the successful bidder could not comply the terms and conditions as a result of which the State Government recommended for consideration and allocation of Guali Iron Ore Block through the reservation (section 17A of MMDR Act) route or any other appropriate provision, in favour of OMC Ltd (A Government Company) for a specified period of time to meet the exigencies of the situation, where most of the auctioned mines are unable to start operation.

As reported through ROCCF, Rourkela that the Government of India vide Order F.No.4/1/2020-M.VI dt.05-01-2021 (Page No.72-77/DP) in exercise of the powers conferred u/s-17A (2) of the MMDR Act read with section 20A, in the public interest has granted its approval to the State Govt. of Odisha to Reserve Guali Iron Ore Block over an area of 365,026 ha (As per ROR)/358,258 ha (as per DGPS) in Keonjhar District in favour of Odisha Mining Corporation Ltd for a period of 10 years. The State Govt. of Odisha in exercise of power conferred by sub-section (2) of section 17A of MMDR Act, reserved Guali Iron ore Block in favour of Odisha Mining Corporation vide Notification No.283/SM dtc.11.01.2021 of Department of Steel and Mines, Govt. of Odisha, enclosed at

dr

Annexure-III (Page No.78-95/DP). The letter of intent/ or vesting order for grant of Mining Lease for iron ore over an area of 365.026 ha (As per RoR)/ 358.258 ha (As per DGPS) in Keonjhar District in respect of Guali Iron Ore Block has been issued by the Department of Steel and Mines, Govt. of Odisha vide Letter No.312/SM dtd.11.01.2021 in favour of OMC Ltd, enclosed at Annexure-IV (Page No.96-99/DP). Government of Odisha in Steel and Mines Department vide order No.358 dated 12.01.2021 has granted Mining Lease in exercise of power conferred under section 17A (2A) of MMDR Act read with order dtd.05.01.2021, in favour of Odisha Mining Corporation Ltd in respect of Guali Iron Ore Block over an area 358.258 ha (As per DGPS) for a period of 10 years, enclosed at Annexure-V (Page No.100-102/DP) whereas the OMC has accepted the terms and conditions of the said LoI vide its letter No.632/OMC dtd.11.01.2021. The Mining lease deed has been executed between Collector, Keonjhar on behalf of State of Odisha and Addl. General Manager (Geo) T. Basa on behalf of OMC Ltd on 12.01.2021, enclosed at Annexure-VI (Page No.103-104/DP).

The diversion proposal involves 71.242 ha of Revenue forest, 83.666 ha of sabilc forest, 9.118 ha of un-survey land treated as forest, 26.158 ha of Non-forest Government land duly certified by the Tahasildar, Barbil vide letter No.1076 dtd.22.03.2021 duly countersigned by the DFO, Keonjhar at Annexure-VII (Page No.187-207t/DP). An area of 30.657 ha of Reserved Forest land of Sidhamath Reserved Forest is also Included in the ML and proposed for diversion. The present mining lease area is located within the latitudes N 21° 59' 21.991" to N 22° 00' 00.984" and longitudes E 85° 17' 02.375" to E 85° 18' 59.140" in Survey of India Topo Sheet No.F45N5 and F45H8 (Plate-I). The instant proposal has been submitted by the OMC Ltd. for 358.258 ha (As per DGPS)/ 365.026 (As per RoR) ha (30.657 ha of RF, 202.023 ha of Revenue forest, 90.302 ha Forest (as on 25.10.1980), 9.118 ha of treated as forest) of forest land including safety zone area over 21.379 ha of forest land. It contains an estimated reserve of 160.136 million tons of Iron Ore as per approved mining plan by IBM vide letter No.MP/A/38/ORI/BHU/2021/2916 dtd.19.03.2021. The project will generate direct employment for 500 persons as per existing workers strength and indirect employment for 2000 persons. Further, the DFO, Keonjhar Division has reported in Part-II (Page No.13-16/DP) that the proposed project area does not form a part of any National Park, Wildlife Sanctuary, Biosphere Reserve and Tiger Reserve etc. No archaeological monuments/

heritage site/ defence establishment or any other important monument is located in the area.

For the State and for the Central Government this project will also be a major source of earnings for the local people.

2. Justification for Locating the Project in the Forest area:

Mining of a particular ore is site specific activity irrespective of the land classification. Guaji Iron Ore ML of OMC Ltd covers 358,258 ha of land. Out of which 332,100 ha is forest land which is about 92.70% of the total mining lease land. The exploration conducted proved that substantial resources of higher grade iron ore deposits are confined to forest area only. Since most of the potential deposits are confined to the forest area of the lease, selection of the alternate non-forest land within the ML for undertaking mining is ruled out. To cater to the need of the iron ore of the steel industries, mining operation in large scale in this ML area considering the potential reserve of iron ore in the forest area has been planned. The forest area proposed for mining is required for exploration of minable reserve over 08 years keeping in view the extent of over burden that will be generated in the process of mining over 08 years, an area 49,051 ha forest land is necessarily required for safe and systematic dumping of the generated over burden by maintaining proper slope and terracing. The continuation and expansion of the mining operations as proposed is going to enhance the revenue earnings for the State and the Central Government. Justification for locating the Project in the Forest area is enclosed at Page No.6 &397/DP.

3. Maps:

Sl. No.	Description of the Map	Scale	Plate No.
1.	Location Plan on SOI Topo sheet No. F45NS and F45HB showing ML boundary with adjoining Lease hold	1:50,000	I
2.	Map of the Mining Lease duly authenticated by the Collector, Keonjhar and Power of attorney holder of OMC Ltd vetted by ORSAC	1:3,960	II
3.	Map of the Mining lease area over 358,258 ha geo-referenced prepared by ORSAC	1:3,960	III
4.	Map of existing land use plan showing the details of the used forest and non-forest land prior to taking over the ML by OMC Ltd.	1:3,900	IV
5.	Map of Proposed land use plan showing the details of the forest area proposed for diversion	1:4,000	V
6.	Geological Map of ML area	1:4,000	VI

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7.	Map showing the Safety Zone area of Mining operation	1:4,000	VI
8.	Map of the Phased reclamation and afforestation	1:4,000	VIII
9.	ORSAC vetted DGPS map for the forest area included in the ML proposed for diversion	1:3,900	IX
10.	Map showing identified Non-forest land for CA on Cadastral sheet	1:3,900	X (1)
	Map of identified non-forest CA land on SOI No E44K15	1:50,000	X (2)
11.	ORSAC vetted DGPS map of non-forest land CA land over 194,689 ha		X (3)

4. Forest Land:

In the mining lease area of 358,258 ha, the different types of forest land amount to 332,100 ha. The User Agency has submitted a certificate for minimum use of forest land as proposal involved is unavoidable barest minimum requirement of FC duty countersigned by the DFO, Keonjhar (Check list Sl. No.11). Thus category wise Forest Land in the proposed ML land are as detailed below:-

Revenue Forest	202,023 ha
Forest (as on 25.10.1980)	90,302 ha
Land treated as Forest	9,116 ha
Reserved Forest	30,657 ha
Total	332,100 ha

The present M.L area is a part of old M.L area of M/s R.P Sao. Stage-I clearance was granted by the MoEF & CC on dtd.14.01.2005 for 42,417 ha of broken up Revenue Forest land in favour of M/s R.P Sao. Further on 06.09.2011, MoEF & CC had accorded Stage-II approval for another 95.0 ha of forest land in favour of M/s R.P Sao in Gual Iron Ore Mine. Cumulatively (42,417+95.00) =137,417 ha forest land having the Stage-II approval, is involved in the present M.L of Gual Iron Ore Mine. So (332,100-137,417)=194,683 ha forest land of the present M.L of OMC Ltd in respect of Gual Iron Ore Block needs forest diversion under F.C Act, 1980. Tahasildar, Darbil has issued the details of the land schedule of the Gual Iron Ore Mine of the OMC Ltd as on 25.10.1980 duly countersigned by the Divisional Forest Officer, Keonjhar Division enclosed at Page No.187-207 t /DP. Out of the total forest area of 137,417 ha having got the Stage-II clearance in two phases, 123,114 ha forest land and 9,120 ha Non-Forest lands amounting to 132,234 ha was used by the ex-lessee. It is also shown in the map as Plate No. IV, enclosed in the DP.

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Purpose wise break-up of the 358,258 ha (MI. Area) of Forest Land & Non-Forest Land.

Sl. No.	Particulars	Forest Area (ha)				Non-Forest Area (ha)			Total Area in ha	
		R.F	Rev. Forest	Forest as on 25.10.80	Treated as Forest	Total	Govt.	Pvt.		Total
I	Mining	28.501	13,545	29,518	-	68,564	8,276	5,309	14,085	82,649
	Dumping of OB	-	42,230	4,490	2,331	49,051	-	-	-	49,051
	Mineral Storage	-	1,490	13,905	-	15,355	-	1,377	1,377	16,732
	Infrastructure	-	0,041	3,246	-	3,287	-	1,008	1,008	4,295
	Road	-	2,517	0,925	2,160	5,602	0,039	0,396	0,435	6,037
	Mineral Separation plant (Crushing & Screening Unit and Slurry Pipeline)	0,070	4,857	22,46	-	27,427	0,14	0,216	0,356	27,783
	Proposed diversion of existing Nala	0,630	1,595	1,140	0,652	4,018	0,004	0,128	0,132	4,150
	Area marked for safety zone	1,456	7,966	7,962	3,975	21,379	0,303	1,876	2,179	23,558
Sub-Total	30,657	71,242	83,666	9,118	194,683	9,262	10,310	19,572	214,255	
II	Stage-II FC granted by MoEF & CC on 14.01.05	-	41,044	1,373	-	42,417	-	-	-	42,417
	Stage-IV FC granted by MoEF & CC on 06.09.11	-	89,737	5,263	-	95,000	-	-	-	95,000
	Total	-	130,781	6,636	-	137,417	-	-	-	137,417
III	Land utilised for public purposes	-	-	-	-	0,402	-	0,402	-	0,402
IV	Untouched Area	-	-	-	-	0,562	5,622	6,184	-	6,184
Grand Total		30,657	202,023	90,302	9,118	332,100	10,226	15,932	26,158	358,258

It is reported by the DFO as well as by the RCCF that forest area over 3,287 ha has been proposed for infrastructure by the UA; out of which 3,246 ha is Sabik kisan forest land and 0,041 ha is of Revenue Forest. There are some existing infrastructures like office building in the said forest land. The proposed infrastructure is nearer to the mineral stack yard. During the production of 30 Million Ton of Iron ore, the proposed infrastructure area will be utilized for various infrastructures like mineral stack yard, 6,184 ha non-forest land kept un-touched because out of this 5,622 ha are private land belonging to SC/ST community and 0,562 ha is non-forest Government land. In order to avoid acquiring

private land belonging to SC/ST community, OMC has proposed 3.287 ha of forest land for Infrastructure which comprises 3.246 ha of forest land as on 25.10.1980 (Non-forest in Sabik RoR) and 0.041 ha is revenue land.

Total ML area of the project is 358.258 ha with forest area of 332.10 ha which is 92.698% and non-forest area is 26.158 ha (7.30%).

As per approved Mining Plan by IBM, the disposal of waste has been earmarked on the non-mineralised areas in a retreating manner by forming no. of terraces. Precautionary measures like retaining walls, garland drains, settling ponds, plantation on matured slopes of waste dumps, mineral stacks etc have been proposed.

Considering storage of mineral stack of definite shape, size and quantity and to ascertain grade of stack, state mining department shall issue transit permit to end user. The proposal to produce 30 MT of ore per annum requires huge space for staking. The mineral storage area has been made closer to the mining area to prevent contamination by transportation to a longer distance.

The proposed Infrastructure in 3.287 ha consists of 3.246 ha sabik forest land and placed very close to ML boundary and exit route avoiding acquiring the balance available non forest land belonging to SC/ST community. Further for untouched area of 6.184 ha, 5.622 ha is tenanted land is adjacent to habitation and located at south west corner. Activities related to mining shall not be conducive to the habitation of the community.

As reported by the RCCF, Rourkela that the nallah is passing through the central part of the mineralized area of the ML having Topadh and Ballasahi pits on either side of the nallah. Without diversion of the nallah, minerals cannot be extracted. The diversion has been incorporated in the mining plan, approved by the IBM. M/s OMC Ltd. have stated that, they will move the state Govt. for such diversion on grant of Stage-I forest Clearance. Copy of the approval and Mining Plan by IBM is enclosed at Annexure-X (Page No.219-363/DP)

On pattern of utilization of forest land, the RCCF has stated that the total forest area approved earlier in two stages in 2005 & 2011 and now applied for diversion is 332.100 ha. The details of pattern of utilization of forest land are as detailed below.

Sl No.	Forest area approved / proposed (ha)	Pattern of utilization (ha)			Remarks
		Mining	Dumping	Others	
1.	42.417	36.837	2.110	3.470	FC Granted
2.	95.000	95.00	-	-	FC Granted
3.	194.683	68.564	49.051	77.068	Current Proposal
Total	332.100	200.401	51.161	80.538	

Sal

To produce 30 MTPA of Iron ore, 200.401 ha of forest area shall be under mining use and 51.161 ha shall be used as dumping of over burden during conceptual stage.

Map of the proposed land use plan showing the details of the forest area proposed for diversion is shown in Plate No.V, enclosed in the DP.

5. Flora & Fauna:

As reported by the DFO, Keonjhar Forest Division in Part-I] at Page No.13-16/DP, the canopy density of the forest growth in the applied forest area varies from 0.4 to 0.7 and the average canopy density is taken as 0.5. The Eco-Value Class of the applied forest has been taken as Class-I. As per the site inspection report of the DFO, Keonjhar Forest Division, tree species present in the area are Sal (*Shorea robusta*), Plasal (*Pterocarpus marsupium*), Asana (*Terminalia tomentosa*), Kasi (*Bridella retusa*), Dhaura (*Anogeissus latifolia*), Gambhar (*Gmelina arborea*), Kendu (*Diospyros melanoxylon*), Jammu (*Syzygium cumini*), Amba (*Mangifera indica*), etc. As reported by the DFO, Keonjhar Forest Division, movement of wild elephants is often witnessed in the applied area and adjoining forest. The applied site falls under elephant habitat zone-2 as mentioned by ORSAC, Bhubaneswar. No rare or endangered species are available in the applied forest area for diversion. The same fact has been reiterated in the inspection report of the R.C.C.F, Rourkela enclosed at Page No.19, 19(a) & 19(b)/DP.

6. Tree Enumeration:

The tree enumeration in forest land has been done on 49 nos. of sample plots of 1.00 ha each. As per sample enumeration total no. of trees both normal and defective coming under different class of species comes to 12,015. Unit Calculation of trees enumerated over 49 nos. sample plots come to 4085.74 units. After extrapolating the sample figure for the entire proposed area of diversion i.e. 194.683 ha and the unit calculation comes to 16233.14 units with approximate additional fire wood of 1624 truck load. The abstract of tree enumeration list enclosed at Annexure-XX (Page No.398 & 398 (a)/DP.

7. Compensatory Afforestation:

Non-forest Govt. land over 194.683 ha has been identified in Peteru village of Pottangi Tahasil in Koraput district and jointly verified by the Tahasildar Pottangi, DFO,

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Koraput, Range Officer, Semiliguda at Page No.373-386 J/DP. The Collector, Koraput vide his L.No.2366/XXVI-349/2021 dtd.06.08.2021 has asked Tahasildar Pottangi to process the Non-forest Govt. land for raising CA in lieu of the forest area diverted for Guali Iron Ore Mine in Keonjhar District. The Tahasildar, Potangi has given certificate of non-encroachment and non-encumbrance in respect of the non-forest Govt. land jointly inspected for CA over 194.683 ha in the Joint Verification Report as well as in Map enclosed at Plate No.X (I). The said land is neither covered under section-4 of Odisha Forest Act, 1972 nor included in the DLC report and FR settlement record. The area has been demarcated through DGPS survey. Revised CA scheme has been prepared by the DFO, Koraput Division dtd.07-12-2021 considering the base Cost norm as per the Matrix circulated by the PCCF, Odisha vide letter No.1109/9F-(Misc.) dt.08-11-2021. Out of 194.686 ha non-forest land, 27.50 ha falls under MDF. Hence, Block plantation @ 1600/ha over 167.183 ha has been prepared. It is estimated to plant 2,67,493 nos. of seedlings as the tree to tree compensation criteria is duly addressed here in the CA scheme. It is also proposed to adopt chain link wire mesh fencing over 12874 Rmt or 51.496 ha. Bore well fitted with Solar and drip system has been proposed for watering the plantation. Besides this Soil and moisture conservation measure has been proposed over 194.683 ha area. The total financial outlay of the CA scheme works out to be Rs.11,42,03,000/- as approved by the Nodal Officer. The identified CA land on Cadastral sheet as well as on Soil Topo Sheet is shown and enclosed as Plate No. X (1) & X (2)/DP. In this regard, the user agency has furnished an undertaking to pay the entire amount of CA in lieu of forest land as per previously wage rates at the time of plantation at Annexure-XVI (Page No.394/DP).

CA Suitability Certificate enclosed at Page No.377 & 384/DP. The DFO, Koraput has given a land suitability certificate for CA over identified 167.683 ha as 27.50 ha of land comes under MDF in village Peleru of Pottangi Tahasli in Koraput District against diversion of forest land of 194.683 ha for Guali Iron Ore Mine of OMC Ltd in Keonjhar district.

Safety Zone Area for Mining Operation:

Safety Zone for mining operation has been indicated on Plate No. VII enclosed to the DP. It is the area prohibited for mining operation along the lease boundary and adjacent and surrounding the land bearing public interest like perennial water course, road etc. The details are given below.

Sl. No.	Particulars	Forest Area (ha)					Non-Forest Area (ha)			Total Area (ha)
		RF	Revenue Forest	Sabli Forest (as on 25.10.80)	Treated Forest	Total	Govt.	Pvt.	Total	
1	7.5 mtr along the inner side of the MI boundary line	0.823	2.308	1.305	0.044	5.080	0.026	1.363	1.389	6.469
2	10 mtr width on either side of the village road	-	-	0.064	0.468	0.533	0.241	0.323	0.564	1.097
3	10 mtr width on either side of the nala proposed for diversion	0.633	2.091	1.247	1.233	5.207	0.036	0.19	0.226	5.433
4	Area earmarked for additional safety zone	-	3.564	4.766	2.229	10.559	-	-	-	10.559
Total		1.456	7.966	7.982	3.975	21.379	0.303	1.876	2.179	23.558

The safety Zone shall be covered under plantation as per the scheme to be approved by the State Forest Department.

B. Cost Benefit Analysis:

The cost of forest Diversion is assessed as Rs.46,46,16,820 lakh and Benefit of the project is estimated as Rs.83,01,184.00 lakhs. The Cost-Benefit ratio comes to 1:1786.67. Enclosed at Annexure-XI (Page No.364, 364(a)/DP).

9. Resettlement and Rehabilitation:

There are 136 number of families affected in the project and 99 number of project displaced families. As per the report of the RCCF, the user agency has intimated that, they have awarded the work of Socio-economic survey to Nabakrishna Choudhury Center for Development Studies (NCDS) vide their letter No.9749/OMC/F&E/2021 dtd.06.07.2021. The copy of the work order is enclosed as Annexure-XXV (Page No.474-478/DP). NCDS has completed the survey work and the report submitted on Socio economic survey is enclosed at Annexure-XXVI (Page No.479-535/DP). M/s OMC Ltd. has intimated that, they have proposed to provide a resettlement colony for 96 project displaced families. The rehabilitation and re-settlement colony is to have 60% land for built up area

for housing and 25 % for infrastructure and 15 % for grain bdt. Around Rs.9.60 Crores has been proposed for R & R colony. The total budget proposed for R & R package is around Rs.3023.25 lakhs. M/s OMC Ltd. shall follow the R & R plan approved by the State Government during 2016 with inclusion of revision in wage rate.

10. Net Present Value

Sub-section (6) of section 8A was inserted in the MMDR Act during its amendment 2015. As per the new provision the non-captive mining lease period shall be extended up to 31-03-20 or a period of 50 years from the grant of lease whichever is later. Consequently, Guall Iron Ore mine of R.P Sao got expired on 31-3-2020. The mine was put under auction by the State Govt. and successful bidder could not comply the terms and conditions as a result of which Govt. reserved the Iron Ore Mine through reservation (Section 17A of MMDR Act) for OMC LTD. The State Govt. issued LOI vide L. No.312/SM dated 11-1-2021 for grant of mining lease in favour OMC Ltd. for a period of 10 years. The DFO, Keonjhar raised demand as per L. No.11-97/2018-FC dated 31-3-2020 of MoEF&CC, Govt. of India to realize a lump sum amount of Rs.25,38,57,570.00 @Rs.7.50 lakh/ha for total forest area within the M.L. OMC Ltd has deposited Rs.25,38,57,750.00 as per L. No. 356/6F dated 12-1-2021 of the DFO, Keonjhar vide UTR No.SBIN 521012176323 dtd.12.01.2021 for 338.477 ha forest land. Later on, after reconciliation as per Sablk and Hal RoR of the ML area, the forest land comes to 332.100 ha. OMC Ltd has furnished an undertaking to bear the cost of NPV of the forest land diverted. In case the rate is enhanced upwards the differential amount shall also be paid, enclosed at Annexure-XVI (Page No.394/DP).

The UA in its report (Page No.8/DP) has claimed that he has deposited lump sum @7.5 Lakh/ha for 338.477 ha of Forest land as per the demand of the DFO, Keonjhar vetted by PCCF (Nodal) amounting to Rs.25,38,57,750/-. Subsequently, after re-assessment of legal status of forest land as per Sablk and Hal record of the ML area, the forest area comes to 332.100 ha instead of 338.477 ha. Therefore as per their claim they have deposited an amount of Rs.47,82,750/- in excess which needs to be adjusted. Further, undertaking has been furnished by user agency to pay differential amount of NPV if revised upwards in future.

11. Certificate under FRA, 2006

The User agency has moved to Collector, Keonjhar on 30-03-2021 with a request to provide a certificate in Form-JI Under FRA, 2006 for forest land of 332.100 ha involved in

the Guali Iron Ore Block leased out in favour of OMC Ltd and lease deed executed on 12.01.2021, enclosed at Annexure-XV (Page No.393/DP).

12. Mining Plan:

The mining plan including Mining closer plan has been approved by the Regional Controller of Mines (RBM), Office of the Regional Controller of Mines, BBSR over an area of 358.258 ha (As per DGPS)/ 365.026 ha (As per RoR) in respect of Guali Iron Ore Block in Keonjhar District in favour of OMC Ltd vide L. No. MP/A/38-ORI/BHU/2020-2021 dt.19.03.2021 with 07 no. of terms and conditions with validity upto 05 years i.e. 31.03.2025. The Mining Plan has been prepared for the period 2020-21 to 2024-25. Mining plan is enclosed at Annexure-X (Page No. 219-363/DP).

13. Environmental Clearance, Consent to Establish and Consent to Operate:

Environment Clearance for production of 5.7 MTPA of iron ore was granted by MoEF&CC vide L.No.J-11015/1155/2007IA-11 (M) dated 22.06.2009 in the ML area of 365.026 ha to the old lessee R.P. Saa. Consent to establish has been granted by SPCB vide L.NO.5547/JND-11-NOC-5085 dated 31.03.2009 and consent to operate has been granted vide L. No.2110/JND-I-CON-248 dated 26.02.2019 for production of 5.7 MTPA under Air (PCP) Act, 1981 and Water (PCP) Act, 1974. Now as per section 8B (1) of the Mines and Minerals (Development and Regulation) Amendment Act 2021, all the valid rights, approvals, Clearances, licenses and the likes vested with the previous lessee shall continue to be valid even after expiry or termination of lease. In case of Guali mines, the validity of Forest Clearance shall be for a period of 10 years i.e. the Mining lease period executed in favour of OMC Ltd instead of two years. OMC Ltd has to obtain the additional clearance for enhancing the proposed production quantity from 5.7 MTPA to 30.0 MTPA of Iron Ore from Guali Iron Ore Mine. The Consent to Establish, Consent to Operate and Environment Clearance are enclosed at Page No. 43-70(j)/DP.

14. Wildlife:

Site Specific Wildlife Conservation Plan. has been approved by the POOF (WL) & CWLW, Odisha vide Memo No 321/1WL-C-FC-385/08 dated 17.01.2009 with a financial outlay of Rs.277.00 lakh estimated for both Core Zone (Rs.39.0 lakh) and Buffer Zone (Rs.238.0 lakh) of the ML area (Page No.71/DP) in compliance to condition (No. XVI) of

the observation of Stage-II approval of MoEF& CC dated 06-9-2011 over 95 ha of Guali Iron Ore Mine of Ex-lessee R.P. Saa. Out of the approved amount, Rs.2,71,80,850/- has been deposited in the Compensatory Afforestation Fund (CAF), Orissa, Account No.1585 in Corporation Bank, Lodhi Road, New Delhi vide DD No. 023887 dt.13.03.2010 and balance amount have been utilized to procure a vehicle for supervision work. As reported by the RCCF, Rourkela the SSWLCP has been revised as per the current wage rate and being submitted for approval. An undertaking to submit the approved copy and deposit the differential amount for its implementation furnished by M/s OMC Ltd. is enclosed vide Annexure-XVI (Page No.394/DP). Over and above the said amount Rs.4,22,99,391/- has also been spent by the ex-lessee, M/s R.P Saa within the ML area (Core zone) since the date of approval of the SSWLCP towards various activities such as engagement of fire watcher, engagement of leaf cleaner, construction of check dams on the Topadihi Nalla, Guard wall on both side of nalla, Blank Plantation for soil and moisture conservation, coir matting of OB dump, conservation of garland drain, settling tanks etc. as reported by RCCF, Rourkela. The ex-lessee has also deposited Rs.73,00,520/- towards Regional Wildlife Management Plan for the entire mining lease @ Rs.20,000/- per ha. Funds have been utilised for various activities as per the approved plan. The details of works undertaken and funds utilised are enclosed as Annexure-XXIII (F) (Page No.458-460/DP). The proposed site falls under elephant Zone-2 as per the report of the ORSAC. The applied area does not form a part of any Eco-Sensitive Zone/ Sanctuary/ National park/ Bio-sphere Reserve. No rare or endangered species are available in the applied area for diversion.

15. DGPS Map:

The DGPS map signed by the officials of Revenue, validated by ORSAC and duly countersigned by the DFO, Keonjhar Division is enclosed as Plate-IX. As per the report of the DFO, Keonjhar Division, the area as per land schedule and that of DGPS map involved in the submitted diversion proposal is produced below:-

Sl No.	Category of forest and	Area applied in ha (as per RoR)	Area applied in ha (as per DGPS)	% Variation
1.	Reserved Forest	30.657	30.657	0%
2.	Revenue Forest	71.242	71.246	0.4%
3.	Treated as Forest	9.118	9.118	0.1%
4.	NFL recorded as forest as on 25.10.1980	83.666	83.667	0%
Total		194.683	194.688	0.5%

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16. Violations:

As per the report of the DFO, Keonjhar Division in Sl No.18 of the Site Inspection Report, SabliK Kisam forest land over 38.0 ha used as dump by the previous lessee i.e. M/s R.P. Sao. Also Deepak Steel and Power Ltd had purchased around 8.00 ha land and established a steel plant in the said ML area turned out to be SabliK Forest land later. Boundary pillars of asking area in Sidhamath RF are not erected yet. The facts of violation are reflected in the Inspection Report of the DFO, Keonjhar and RCCF, Rourkela enclosed at Page No.18-18b & 19-19b/DP.

17. Others:

Part-II, Site Inspection Report of the DFO, Keonjhar Division, Part-III and Site Inspection Report of the RCCF, Rourkela Circle and Part-IV has been enclosed in the DP at Page No.13-16, 17, 18-18b, 19-19b, 20/DP. The Division Profile, District Profile and State Profile have been furnished at Page No.539/DP, Page No.540/DP and Page No.541/DP respectively.

Besides the above facts the following compliance in respect of Stage-II approval got in two stages are furnished below.

- a. The User Agency has submitted compliance to the 16 no. of observations of Stage-II clearance of 42.417 ha Revenue broken up land granted to R.P. Sao by MoEF&CC vide Letter F.No.-8-96/96-FC dated 14-01-2005 at Annexure-XXII (Page No.400-433/DP). The undertaking as submitted by the User Agency has been duly counter signed by the DFO, Keonjhar at Page No.405/DP. Further, the RCCF, Rourkela has also counter signed the compliance status vide Page No.403-404/DP.
- b. The User Agency has also submitted compliance to the 18 no. of observations of Stage-II clearance of 95.00 ha of forest land vide Letter F.No.8-96/96-FC dated 06.09.2011 at Annexure-XXIII (Page No.434-460/DP). The DFO, Keonjhar Forest Division has countersigned the undertakings vide Page No.438-438c/DP. The RCCF, Rourkela Circle has also counter signed the compliance report vide Page No.437-437c/DP.
- c. It is reported by the RCCF, Rourkela that earlier at two instances the previous lessee had got forest clearances over 137.417 ha (42.417 ha in 2005+95.00 ha in 2011 ha). Against these two diversion, the User agency has given 209.54 ha non-forest land in village Mayurdiha and Jentilikhunt of Telkor Tahasil in Keonjhar District and accordingly RoR has been issued by the Tahasildar, The CA scheme

over 209.54 ha has been approved by the CF (Nodal) with a financial outlay of Rs.1,28,94,000/-. Plantation has been established during 2013-2014.

- d. Deposit of compensatory levies by previous lessee in approved CAMPA format duly signed by Nodal officer is enclosed at Page No.438 (E)/DP.

The Principal Chief Conservator of Forests & HoFF, Odisha has recommended the proposal.

In view of the above, it is recommended that Government of India, Ministry of Environment, Forest and Climate Change may kindly consider this proposal for diversion of 194.683 ha of Forest land involved in the Mining lease area over 358.258 ha of Gual Iron Ore Mine of M/s OMC Ltd. in Keonjhar District, Odisha and convey their approval under Section-2 (ii) of Forest (Conservation) Act, 1980 in favour of the User Agency subject to the following conditions.

- (i) The User Agency shall pay the cost towards cutting, felling, logging and transportation charges of the enumerated trees due to be felled during the course of implementation of the project.
- (ii) Trees should be felled only when it is absolutely necessary and in a phased manner.
- (iii) Safety zone shall be maintained as such and in no circumstances be used for mining purpose.
- (iv) Site Specific Wildlife Conservation Plan duly approved by Chief Wildlife Warden, Odisha shall be implemented at project cost.
- (v) The User Agency shall submit the FRA Certificate under FRA, 2006.
- (vi) The User Agency shall undertake demarcation of the lease area, forest area proposed for diversion and Safety Zone area on the ground at the project cost by erecting 4 feet high reinforced cement concrete pillars each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates.

Yours faithfully

Encl: Diversion Proposal in 1 volume.

Dr. 30/04/2022
OSD-cum-Special Secretary to Government

Memo No. 8066 /FE&CC, Date 30.04.22

Copy forwarded to the Deputy Director General of Forests (Central), Government of India, Ministry of Environment, Forests and Climate Change, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar for information and necessary action.

Dr. 30/04/2022
OSD-cum-Special Secretary to Government

403
Memo No. 8067 /FE&CC, Date 30.04.22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha/ Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha/ Chief Conservator of Forests (FD&NO), FC Act, O/o PCCF, Odisha for information and necessary action with reference to letter No.8510 dtd.19.04.2022 of PCCF, Odisha.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 8068 /FE&CC, Date 30.04.22

Copy Forwarded to the Regional Chief Conservator of Forest, Rourkela Circle/ Divisional Forest Officer, Keonjhar Forest Division for information/ Divisional Forest Officer, Koraput Forest Division, and necessary action.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 8069 /FE&CC, Date 30.04.22

Copy forwarded to the Steel & Mines Department/ Revenue & Disaster Management Department/ Director, Environment, FE&CC Department/ Member Secretary, SPCB, Odisha/ Collector, Keonjhar for information and necessary action.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 8070 /FE&CC, Date 30.04.22

Copy forwarded to the General Manager (Geo), Odisha Mining Corporation Ltd., OMC House, Bhubaneswar for information and necessary action.

[Signature]
OSD-cum-Special Secretary to Government

Annexure-IV



e-mail:- barbitahasil.office@gmail.com

OFFICE OF THE TAHASILDAR, BARBIL

No. 1076 /Date 23-03-2021

To

The Regional Manager,
M/S OMC Limited, Barbil.

Sub: - Certification of land schedule as on 25.10.1980 involved in the Project both (forest & non-forest) as per Govt. records for diversion of forest land in respect of Guali Iron Ore Block of M/s-OMC Ltd.

Ref:- Your letter No.259/OMC/ROB/2021, dated 25.01.2021

Sir,

With reference to the letter on the subject cited above, I am to certify that the status of land schedule is enclosed herewith as per Govt. Records as on 25.10.1980 as per Govt. Order No.4822/dated 12.02.2015 of Chief Secretary Odisha as per the land status furnished by the Addl.Sub-Collector (Settlement) Keonjhar vide the letter No.54/Dt. 18.02.2021 and letter No.17/RR, dated 18.03.2021 of Addl.Collector, Dist. Record Room, Keonjhar and same status of the land is verified by Amin & Record Keeper in this office.

This is for favour of your information and necessary action.

Enclosure- As above.

Yours faithfully,

[Signature]
Tahasildar, Barbil.
22/03/2021

[Signature]
Suman Krishna Sita
General Manager(Geo)
Power of Attorney Holder
Odisha Mining Corporation Ltd.
Bhubaneswar

Land Schedule of the ML Area over 885.277 acres or 358,253 Hacts pertaining to Gualiron Ore Mines of OMC Ltd. under Barbil Tahsil of Keonjhar District, Odisha.

Sl. No.	Name of the Village	Pillar No.	Khasra No.	Name of the Tenants		Khasra	Pillar No.	Name of the Tenants	Khasra	Land Status before 23.10.1980 (Sakshak Settlement)		Full Area as per 1980 Act in Acres	Area included in ML (in Acres)
				No.	Name of the Tenants					No.	Name of the Tenants		
Village: Gual-46													
1	GUAL-46	1	175	A.J.A		Jungle	1,2			JUNGLE	20,500	20,500	
2	GUAL-46	2P	70	Babaji Apata & Others		Talpa	3			III-GODA	7,220	0,000	0,000
3	GUAL-46	1503	175	A.J.A		Jungle	51			JUNGLE	10,050	10,000	
4	GUAL-46	1614	175	A.J.A		Jungle	51			JUNGLE	28,000	28,000	
5	GUAL-46	1521P	175	Rakha		Gochara	2			JUNGLE	23,400	17,217	10,000
6	GUAL-46	1516P	175	A.J.A		Jungle	51			JUNGLE	20,250	10,000	10,000
7	GUAL-46	1519	175	A.J.A		Jungle	51			JUNGLE	28,200	20,500	20,500
8	GUAL-46	1520P	175	A.J.A		Jungle	51			JUNGLE	20,300	7,962	7,962
9	GUAL-46	1522P	175	A.J.A		Jungle	2			JUNGLE	20,300	141,241	141,241
										Total			
Village: Leharapada-49													
10	LAHARAPADA 49	1	57	A.J.A		Talpa	1			JUNGLE	0,550	0,550	
11	LAHARAPADA 49	118P	62	Rakha		Talpa	1			JUNGLE	0,180	0,180	
12	LAHARAPADA 49	119	67	A.J.A		Talpa	1			JUNGLE	2,230	2,230	
13	LAHARAPADA 49	120P	67	A.J.A		Talpa	1			JUNGLE	0,200	0,193	
14	LAHARAPADA 49	120P	62	Agal Mahapatra		Talpa	62			III-GODA	0,350	0,350	
15	LAHARAPADA 49	121	66	Rakha		Gochara	1			JUNGLE	0,550	0,550	
16	LAHARAPADA 49	128P	8388	Keshab Chandra Khillar & Others		Talpa	67			III-GODA	0,550	0,550	
17	LAHARAPADA 49	129P	34	Badrinarayan Junda & Others		Sandha	210			III-GODA	2,040	0,000	0,000
18	LAHARAPADA 49	129P	6353	T. Ram Chandra Mowary		Koraphana	78			III-GODA	0,330	0,145	0,145
19	LAHARAPADA 49	130P	28	Rajaram Apal & Others		Talpa	91			III-GODA	0,230	0,201	0,201
20	LAHARAPADA 49	131P	29	Badrinarayan Apal & Others		Talpa	85,84			III-GODA	0,220	0,159	0,159
21	LAHARAPADA 49	2	67	A.J.A		Talpa	1			JUNGLE	0,180	0,180	
22	LAHARAPADA 49	221P	50	Swami Munda & Others		Sandha-II	82			III-GODA	10,280	0,008	0,008
23	LAHARAPADA 49	222P	50	Maita Munda & Others		Talpa	97			III-GODA	0,620	0,576	0,576
24	LAHARAPADA 49	223	66	Rakha		Sandha	92,1			JUNGLE	1,330	1,330	
25	LAHARAPADA 49	224P	56	Rakha		Sandha	95			JUNGLE	0,630	0,536	0,536


Suman Krishna Sit
General Manager(Geo)
Power of Attorney Holder

TAHASILDAR

12.02.2021

BARBER TAHASILI

51	PANDULIPASI-43	112/P	60/22	Leandromo Pando. Tala	139			II-GODA	C.100	0.140
52	PANDULIPASI-43	127/P	42	S/O Gendarm Pando Maheswar Naik & Others	130	5		II-GODA	4.460	0.307
53	PANDULIPASI-43	25/P	3	Indra Naik, Sur- Gehema Naik	2.32.223			Male & II- GODA	1.780	0.520
54	PANDULIPASI-43	28/P	26	Jasoda Naik & Others	105/5/282			Jungle	0.300	0.191
55	PANDULIPASI-43	27/P	25	Jasoda Naik & Others	105/082			Jungle	0.780	0.079
56	PANDULIPASI-43	104/29/P	71	Rakhila Basil Yodho				UNSUREVEY	3.720	3.720
57	PANDULIPASI-43	3/P	71	Rakhila Jungle				UNSUREVEY	41.040	26.366
58	PANDULIPASI-43	30/P	52	Sugri Naik S/O - Jairam Naik	10E/27/248			Jungle	0.090	0.016
59	PANDULIPASI-43	3/200/P	71	Rakhila Jungle				UNSUREVEY	53.300	43.336
60	PANDULIPASI-43	3/301/P	71	Rakhila Jungle				UNSUREVEY	48.500	7.738
61	PANDULIPASI-43	3/308	25	Jasoda Naik & Others Talla-I	105/12/27			Jungle	1.200	1.200
62	PANDULIPASI-43	3/P	62	Sugri Naik S/O - Jairam Naik	105/219			Jungle	0.450	0.156
63	PANDULIPASI-43	63/19	73	AJA Talla-I	307	30	STATE	PATITA	3.230	0.230
64	PANDULIPASI-43	70/518/P	57	Sainqhan Bentudo, S/O Sivamaya Bentudo	113	14		II-GODA	0.290	0.073
65	PANDULIPASI-43	07/233	51	Red Golep Mahapatre S/O Naranda	10/2/64			PATITA	0.090	0.093
66	PANDULIPASI-43	66/322	73	AJA Talla-I	107	30		PATITA	0.170	0.173
67	PANDULIPASI-43	104/233/P	168/34	Pratibha Naik & Others Talla-I	139	13		II-GODA	0.050	0.208
68	PANDULIPASI-43	127/277/P	72	Sarveshwar Naik Rasta	545	33	STATE	PASTA	0.130	0.046
69	PANDULIPASI-43	34/P	62	Sugri Naik S/O - Jairam Naik	105/2/19			Jungle	0.650	0.298
70	PANDULIPASI-43	34/P	62	Sugri Naik S/O - Jairam Naik	105/2/19			Jungle	0.690	0.301
71	PANDULIPASI-43	33/48/P	62	Sugri Naik S/O - Jairam Naik	105/2/19			Jungle	0.500	0.271
72	PANDULIPASI-43	37/50	23	Jadumani Naik & Others	105/112/79			Jungle	0.100	0.100
73	PANDULIPASI-43	33/51	26	Kanu Naik S/O Machu Naik	105/4/272			Jungle	0.270	0.370
74	PANDULIPASI-43	37/52	42	Bhupa Naik, S/O Chellu Naik	105/5/283			Jungle	0.700	0.540
75	PANDULIPASI-43	37/53	22	Chennay Naik, S/O Rama Naik	105/11/259			Jungle	0.520	0.520


 Juman Krishna Sit
 Tahasildar


 A. M. J. V.
 20/03/2022

R. B. BHILL
 Tahasildar

76	PANDULIPASI-43	30364	25	480000 Nalk & Others	Tailor		105/11273		Jungle	0.550	0.560
77	PANDULIPASI-43	30365	18	Shaha Nalk, S/O Kutha Nalk	Tailor		105/10270		Jungle	0.550	0.550
78	PANDULIPASI-43	30366	19	Ghoshenath Nalk S/O Lechan Nalk	Tailor		105/11269		Jungle	0.500	0.500
79	PANDULIPASI-43	30367	50	Sudra Nalk, w/o Gurucharan Nalk	Tailor		105/11018		JUNGLE	0.570	0.570
80	PANDULIPASI-43	30368	2	Asadu Nalk, S/O- Buzhu Nalk	Tailor		105/11272		Jungle	0.600	0.500
81	PANDULIPASI-43	30369	34	Saudar Nalk & Others	Tailor		105/1277		Jungle	0.500	0.500
82	PANDULIPASI-43	30380	52	Ramon Mahakud & Others	Tailor		105/11279		Jungle	0.600	0.600
83	PANDULIPASI-43	30381	65/34	Rabhu Mahakud & Others	Tailor		105/11277		Jungle	0.600	0.600
84	PANDULIPASI-43	30382	37	Braj Nalk & Others	Tailor		105/1277		Jungle	0.680	0.680
85	PANDULIPASI-43	30383	23	Tupa Munda & Others	Tailor		105/1327		Jungle	1.200	1.200
86	PANDULIPASI-43	304384	23	Jadumoni Nalk & Others	Tailor		105/1279		Jungle	2.350	2.360
87	PANDULIPASI-43	304384	36	Bansi Char Mahapatra S/O (Raj Kishore Mahapatra)	Tailor		105/1284		Jungle	1.100	1.100
88	PANDULIPASI-43	304388	17	Gobind Nalk & Others	Tailor		30281		Jungle	0.500	0.500
89	PANDULIPASI-43	304389	5	Kadu Nalk S/O Maheshu Nalk	Tailor		105/1272		Jungle	0.200	0.200
90	PANDULIPASI-43	304391	33	AJA	Gharbar				UNSUREY	0.810	0.820
91	PANDULIPASI-43	304391P	26	Jame Palra & Others	Tailor		137		IL-GODA	0.340	0.09
92	PANDULIPASI-43	56382	30	Narhari Mahapatra & Others	Saundari		100		IL-GODA	0.090	0.090
93	PANDULIPASI-43	104403	71	Chanda Umrab Jhanta Yogya					UNSUREY	3.480	3.480
94	PANDULIPASI-43	104404	71	Chanda Umrab Jhanta Yogya					UNSUREY	5.000	5.000
95	PANDULIPASI-43	104405	71	Chanda Umrab Jhanta Yogya					UNSUREY	5.000	5.000
96	PANDULIPASI-43	104406P	71	Chanda Umrab Jhanta Yogya					UNSUREY	5.000	4.827
97	PANDULIPASI-43	5638P	21	Chanda Umrab Jhanta Yogya			100	STATC	JUNGLE	0.640	0.596
98	PANDULIPASI-43	618P	30	Narhari Mahapatra & Others	Saundari		100		IL-GODA	3.410	2.327
99	PANDULIPASI-43	62	29	Gulshu Palra S/O- Krupa Palra	Tailor		100		IL-GODA	0.210	0.210

Barbil Tahasil
TARASUDA
BARBIL

Barbil Tahasil
 2007-2011
AMIN
BARBIL TAHASIL

Barbil Tahasil
 2007-2011
AMIN
BARBIL TAHASIL
 Intra Corporation Ltd

Village	Regudini-48	137P	74	AJA	Saraka-III	33	STATE	JUNGLE	0.780	0.118
123	RUGUDINI-48	137P	74	AJA	Palte	33	STATE	JUNGLE	0.780	0.086
124	RUGUDINI-48	138P	74	AJA	Palte	33	STATE	JUNGLE	0.780	0.086
125	RUGUDINI-48	139P	74	AJA	Talip	33	STATE	JUNGLE	0.820	0.006
126	RUGUDINI-48	140P	74	AJA	Saraka-I	33	STATE	JUNGLE	0.290	0.006
127	RUGUDINI-48	141P	72	Rambh	Gramch Jungla	33	STATE	JUNGLE	2.528	3.717
128	RUGUDINI-48	142P	72	Rambh	Jungla	33	STATE	JUNGLE	0.780	0.780
129	RUGUDINI-48	143P	72	Rambh	Gramch Jungla	33	STATE	JUNGLE	4.800	1.559
					Total					12.858
Village- Tapadhil-47										
130	TAPADHI-47	1	126	AJA	Palte	18		JUNGLE	2.740	2.740
131	TAPADHI-47	10	129	AJA	Talip	18		JUNGLE	0.870	0.870
132	TAPADHI-47	100	125	AJA	Talip-4	16		JUNGLE	0.490	0.490
133	TAPADHI-47	101	128	AJA	Talip	16		JUNGLE	0.380	0.380
134	TAPADHI-47	102	111	Suorlian Nih 2 Chere	Saraka-I	182		II-JAJA	0.650	0.650
135	TAPADHI-47	103	77	Bhimsan Naik 3 Chere	Saraka-I	182		II-JAJA	0.580	0.580
136	TAPADHI-47	104	126	AJA	Talip	18		JUNGLE	0.990	0.990
137	TAPADHI-47	105	125	AJA	Talip	16		JUNGLE	0.290	0.290
138	TAPADHI-47	106	129	AJA	Talip-1	12		JUNGLE	0.080	0.080
139	TAPADHI-47	107	126	AJA	Talip-1	16		JUNGLE	0.410	0.410
140	TAPADHI-47	108	124	Rambh	Raste	18		JUNGLE	0.390	0.390
141	TAPADHI-47	109	16	Kuraj Munde S/O Dasha Munda	Talip	1811		II-JAJA	1.350	1.350
142	TAPADHI-47	11	125	AJA	Talip	18		JUNGLE	0.190	0.190
143	TAPADHI-47	110	16	Kuraj Munde S/O Dasha Munda	Saraka-III	1811		II-JAJA	0.300	0.300
144	TAPADHI-47	111	127	AJA	Nab	18		JUNGLE	3.810	3.310
145	TAPADHI-47	112	43	Dahala Nak S/O Nanchu Nak	Talip	18113		JUNGLE	0.580	0.580
146	TAPADHI-47	113	93	Rameshwar S/O S/O - Shambh	Talip	1816		III-JAJA	0.480	0.480
147	TAPADHI-47	114	126	AJA	Jungs	18		JUNGLE	37.450	31.450
148	TAPADHI-47	115P	124	Rambh	Gochare	18		JUNGLE	30.300	12.219
149	TAPADHI-47	115	103	Rameshwar S/O S/O - Shambh	Talip	1816		III-JAJA	0.850	1.350
150	TAPADHI-47	117	90	Rameshwar S/O S/O - Shambh	Talip	1816		III-JAJA	1.180	1.180
151	TAPADHI-47	118	124	Rambh	Raste	18		JUNGLE	5.440	0.440

TAKHASILDAR

[Signature]

AMIN

SUMAN Kishor's Sit
General Manager/Genl
Manger of Attorney Holder
of Mining Corporation RA REIL TAKHASIL

No	TAPADIRI	118P	192	Nama Siregar Sarbei. S/O - Shankam	Tangga	1/116	1808	11-JAJA	1.300	0.448
152	TAPADIRI-47	118P	192	Sarbei	Tangga	1/116	1808	11-JAJA	1.300	0.448
153	TAPADIRI-47	12	126	AJA	Tangga II	1	18	JUNGLE	1.700	1.700
154	TAPADIRI-47	12	127	AJA	Tangga	1	18	JUNGLE	0.500	0.500
155	TAPADIRI-47	123P	1917	Deepak Sarbei, S/O - Marzahi Sarbei	Tangga	1/122, 1/120	18	AWASAOI JUNGLE	0.210	0.217
156	TAPADIRI-47	124	124	Rahila	Raha	1	18	JUNGLE	0.380	0.380
157	TAPADIRI-47	125	123	AJA	Paha	1	18	JUNGLE	0.210	0.210
158	TAPADIRI-47	26	124	Rahila	Raha	1	18	JUNGLE	0.090	0.090
159	TAPADIRI-47	127	126	AJA	Raha	1	18	JUNGLE	0.540	0.540
160	TAPADIRI-47	128	124	Rahila	Gharasi	1	18	JUNGLE	0.040	0.040
161	TAPADIRI-47	129	124	Rahila	Gharasi	1	18	JUNGLE	0.970	0.970
162	TAPADIRI-47	13	128	AJA	Tangga	1	18	JUNGLE	1.180	1.180
163	TAPADIRI-47	130	124	Rahila	Tangga	1	18	JUNGLE	0.040	0.040
164	TAPADIRI-47	131P	124	Rahila	Raha	1	18	JUNGLE	0.160	0.168
165	TAPADIRI-47	132P	124	Rahila	Raha	1	18	JUNGLE	0.380	0.380
166	TAPADIRI-47	133P	124	Rahila	Raha	1	18	JUNGLE	0.100	0.037
167	TAPADIRI-47	134P	54	Chaire Nair, S/O - Benuraga	Tangga	1	18	JUNGLE	0.800	0.231
168	TAPADIRI-47	135P	70	Budhuam Munda S Durem	Tangga	1/21		JUNGLE	0.120	0.120
169	TAPADIRI-47	136P	70	Budhuam Munda S Oliera	Gharasi	1/3		JUNGLE	0.250	0.048
170	TAPADIRI-47	138P	70	Budhuam Munda S Oliera	Raha	1/1		JUNGLE	0.150	0.025
171	TAPADIRI-47	139P	70	Budhuam Munda S Oliera	Gharasi	1/1		JUNGLE	0.250	0.075
172	TAPADIRI-47	14	1192	S.S Deepak Miners Pvt.Ltd	Karakhana	1/12/14	18,6	11-JAJA	0.410	0.410
173	TAPADIRI-47	15P	28	AJA	Maha	1	18	JUNGLE	0.910	1.002
174	TAPADIRI-47	18P	28	AJA	Raha	1	18	JUNGLE	0.840	1.857
175	TAPADIRI-47	17	1192	S.S Deepak Miners Pvt.Ltd	Karakhana		18	JUNGLE	1.260	1.360
176	TAPADIRI-47	18	1192	S.S Deepak Miners Pvt.Ltd	Karakhana	1	18	JUNGLE	0.740	0.740
177	TAPADIRI-47	19	11613	Deepak Mineral Pvt.Ltd	Karakhana	1/126		PATTA	0.800	0.800
178	TAPADIRI-47	2	128	AJA	Raha	1	18	JUNGLE	1.410	1.410
179	TAPADIRI-47	30	1192	S.S Deepak Miners Pvt.Ltd	Karakhana	1/110	18,6	11-JAJA	1.250	1.250
180	TAPADIRI-47	21	1192	S.S Deepak Miners Pvt.Ltd	Karakhana	1/114	18,6	11-JAJA	0.940	0.940

Suman
Suman Krishna Sit
General Manager(Geo)

Amir
AMIN
BARRU TUNGGU

Suman
Suman Krishna Sit
General Manager(Geo)

181	TAPACIHI-47	22	11897	S.S Deepak Mineral Pvt.Ltd.	Varakhana	1/1/13	18/15	JII-JAJA	1,450	0.560
182	TAPACIHI-47	23	11892	S.S Deepak Mineral Pvt.Ltd.	Varakhana	1/1/13	18/15	JII-JAJA	10,720	0.720
183	TAPACIHI-47	24	126	AJA	Jajila	1	18	JUNGLE	0.730	0.230
184	TAPACIHI-47	25	126	AJA	Jajila	97	18	PAPADA	4,200	4,200
185	TAPACIHI-47	26	126	AJA	Jajila	97	18	PAPADA	1,000	1,000
186	TAPACIHI-47	27	126	AJA	Jajila	97	10	PAPADA	4,000	4,000
187	TAPACIHI-47	28	126	AJA	Tails-II	1	18	JUNGLE	1,120	1.120
188	TAPACIHI-47	29	126	AJA	Tails-II	1	18	JUNGLE	0.770	0.770
189	TAPACIHI-47	3	126	AJA	Jajila	1	18	JUNGLE	1,740	1,740
190	TAPACIHI-47	30	11892	S.S Deepak Mineral Pvt.Ltd.	Varakhana	1	18	JUNGLE	1,840	1,840
191	TAPACIHI-47	17/0037	126	AJA	Jungle	1	18	JUNGLE	1,570	1,570
192	TAPACIHI-47	51/0346	124	Rahmat	Grampr. Jajila	1	18	JUNGLE	39,800	32,791
193	TAPACIHI-47	81/804	126	AJA	Jungle	1	18	JUNGLE	53,750	53,750
194	TAPACIHI-47	61/805	128	AJA	Jungle	1	18	JUNGLE	31,800	31,800
195	TAPACIHI-47	61/806	128	AJA	Jungle	1	18	JUNGLE	32,500	32,500
196	TAPACIHI-47	81/307	126	AJA	Tails-I	1	18	JUNGLE	0.580	0.580
197	TAPACIHI-47	12/308	11893	Deepak Mineral Pvt.Ltd.	Varakhana	10/1/13	18	ANABADI	0.540	0.540
198	TAPACIHI-47	18/309	11892	S.S Deepak Mineral Pvt.Ltd.	Varakhana	1/01/14		JII-JAJA	0.780	0.780
199	TAPACIHI-47	31	11892	S.S Deepak Mineral Pvt.Ltd.	Varakhana	1/1/15	18	ANABADI	1,840	1,840
200	TAPACIHI-47	17/010	11892	Deepak Mineral Pvt.Ltd.	Varakhana	12/1/16	18	ANABADI	0.500	0.500
201	TAPACIHI-47	61/011	126	AJA	Jungle	1	18	JUNGLE	7,700	8,909
202	TAPACIHI-47	80/129	126	AJA	Tails-I	1	10	JUNGLE	2,030	0.850
203	TAPACIHI-47	31/013	128	AJA	Eink	1	18	JUNGLE	1,200	1,200
204	TAPACIHI-47	32/014	11892	S.S Deepak Mineral Pvt.Ltd.	Varakhana	10/1/25	18	ANABADI	3,360	0.580
205	TAPACIHI-47	34/015	128	AJA	Jini	1	18	JUNGLE	1,230	1,230
206	TAPACIHI-47	87/116	11893	Deepak Mineral Pvt.Ltd.	Varakhana	12/1/17	18	ANABADI	1,700	1,700
207	TAPACIHI-47	53/017	126	AJA	Sarada-I	1	18	JUNGLE	3,320	0.520
208	TAPACIHI-47	58/018	126	AJA	Peris	1	18	JUNGLE	0.250	0.260
209	TAPACIHI-47	58/019	11892	Kamadevi Gupta, W/O - Hari Charan Gupta	Varakhana	1/2/14		JII-JAJA	1,200	1,200
210	TAPACIHI-47	32	126	AJA	Tails-I	1	10	JUNGLE	1,000	1,000
211	TAPACIHI-47	68/20	126	AJA	Tails-II	1	18	JUNGLE	0.480	0.480
212	TAPACIHI-47	56/321	126	AJA	Tails-I	1	10	JUNGLE	1,700	0.700
213	TAPACIHI-47	58/322	126	AJA	Tails-II	1	18	JUNGLE	2,300	0.300

**TAHASILDA
BARBIL**

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Umita Krishna Sita
General Manager/Geol
ogical Surveyor
Member of Attorney Holder
B.A.R.B.I.L. BARBIL

214	TAPADIHI -47	58329	76	AJA	Tala-	1	18	JUNGLE	0.50	0.50
215	TAPADIHI -47	58324	26	AJA	pailla	1	18	JUNGLE	1.008	1.008
216	TAPADIHI -47	58325	78	Bhujan Nara, S/O - Dahala Nara	Tala-II	17/11/28	18	ANABADI	7.000	7.000
217	TAPADIHI -47	58328	26	AJA	Tala-II	1	18	JUNGLE	0.060	0.060
218	TAPADIHI -47	58327	76	Bhujan Nara, S/O - Dahala Nara	Tala-II	17/11/28	18	ANABADI	0.250	0.250
219	TAPADIHI -47	58328	100	Sakari Munda, S/O - Demka Munda	Tala-	17/11/28	18	ANABADI	0.490	0.490
220	TAPADIHI -47	44320	72	Bhujan Nara Munda & Others	Tala-II	17/11/28	18	ANABADI	0.040	0.040
221	TAPADIHI -47	58329	26	AJA	Tala-II	1	18	JUNGLE	1.510	1.510
222	TAPADIHI -47	44330	94	Rishi Munda S/O	Tala-I	17/11/27	18	ANABADI	0.040	0.040
223	TAPADIHI -47	44331	22	Braha Munda	Pailla	17/11/28	18	ANABADI	3.040	3.040
224	TAPADIHI -47	44332	56	Kerese Munda S/O - Lajula Munda	Pailla	17/11/28	18	ANABADI	0.040	0.040
225	TAPADIHI -47	44333	20	Krupina Orem S/O - Habha Oram	pailla	17/11/28	18	ANABADI	0.040	0.040
226	TAPADIHI -47	44334	100	Sukader Sarda S/O - Mangal Sarda	Tala-II	17/11/28	18	ANABADI	0.040	0.040
227	TAPADIHI -47	80335	74	Bhagirathi Lohara S/O - Madha Lohara	Tala-II	17/11/28	18	ANABADI	0.040	0.040
228	TAPADIHI -47	80336	60	Bada Munda S/O	Tala-II	17/11/28	18	ANABADI	0.040	0.040
229	TAPADIHI -47	80337	100	Braha Munda	Tala-II	17/11/28	18	ANABADI	0.040	0.040
230	TAPADIHI -47	80338	39	Jara Munda S/O - Jara Munda	Pailla	17/10/170	18	ANABADI	0.040	0.040
231	TAPADIHI -47	80339	126	AJA	pailla	1	18	JUNGLE	0.050	0.050
232	TAPADIHI -47	34	119/2	S.S. Devesh Naraal Pub. Ltd.	Karalamba	17/11/28	18	ANABADI	1.470	1.470
233	TAPADIHI -47	80340	105	Sukara Munda S/O - Mangal Munda	Tala-II	17/11/28	18	ANABADI	0.040	0.040
234	TAPADIHI -47	80341	91	Rama Munda S/O - Kujar Munda	Tala-II	17/11/27	18	ANABADI	0.040	0.040
235	TAPADIHI -47	80342	14	Kate Munda S/O - Ripha Munda	pailla	17/11/25	18	ANABADI	0.040	0.040
236	TAPADIHI -47	80343	2	Ajay Munda S/O - Sajua Munda	pailla	17/11/174	18	ANABADI	0.040	0.040
237	TAPADIHI -47	80344	50	Demodar Munda S/O - Sankara Munda	pailla	17/11/173	18	ANABADI	0.040	0.040

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Suman Kristina Sit
General Manager/Secy
Owner of Attorney Offices

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230	TAPADIRI-47	80045	42	Thabai Munda S/O Ledura Munda	Yalla		11/07/72	18	ANABADI	JUNGLE	6.040	0.040
239	TAPADIRI-47	80046	60	Ramsang Munda S/O Rappa Munda	Yalla		11/08/71	18	ANABADI	JUNGLE	0.040	0.040
240	TAPADIRI-47	80047	43	Raya Munda S/O Sukura Munda	Yalla		11/01/70	18	ANABADI	JUNGLE	0.040	0.040
241	TAPADIRI-47	80048	125	AJA	Paiba		1	18	JUNGLE		0.40	0.140
242	TAPADIRI-47	80049	60	Pandu Sarda S/O Shantik Sarda	Paiba		12/01/70	18	ANABADI	JUNGLE	0.040	0.040
243	TAPADIRI-47	80050	11002	S.S Despaik Mineral P/Ltd	Rakihana		11/12	18	ANABADI	JUNGLE	1.180	0.180
244	TAPADIRI-47	80050	36	Jagamohan Munda S/O Kijpa Munda	Paiba		1/27/193	18	ANABADI	JUNGLE	0.040	0.040
245	TAPADIRI-47	80051	8	Eratar Munda S/O Jitap Munda	Paiba		1/26/193	18	ANABADI	JUNGLE	0.040	0.040
246	TAPADIRI-47	80052	30	Copi Munda S/O Basaga Sarda	Paiba		1/25/192	18	ANABADI	JUNGLE	0.040	0.040
247	TAPADIRI-47	80053	1	Ajambir Lohar S/O Kungo Jaba	Paiba		1/24/191	18	ANABADI	JUNGLE	0.040	0.040
248	TAPADIRI-47	80054	57	Sawa Munda S/O Sarda Munda	Takari		1/23/190	18	ANABADI	JUNGLE	0.040	0.040
249	TAPADIRI-47	80059	67	Bira Munda S/O Sura Munda	Takari		1/23/189	18	ANABADI	JUNGLE	0.040	0.040
250	TAPADIRI-47	80055	81	Mata Munda S/O Sagar Munda	Takari		1/23/188	18	ANABADI	JUNGLE	0.040	0.040
251	TAPADIRI-47	80057	110	Seda Munda S/O Makau Munda	Takari		1/23/185	18	ANABADI	JUNGLE	0.040	0.040
252	TAPADIRI-47	80058	26	AJA	Paiba		57	1	I-JALA		0.040	0.040
253	TAPADIRI-47	80059	125	AJA	Paiba		209	13	ANABADI	JUNGLE	0.040	0.040
254	TAPADIRI-47	80060	11002	S.S Despaik Mineral P/Ltd	Rakihana		1/117	18	ANABADI	JUNGLE	2.100	2.100
255	TAPADIRI-47	80060	126	AJA	Paiba		220	13	ANABADI	JUNGLE	0.040	0.040
256	TAPADIRI-47	80061	126	AJA	Paiba		231	18	ANABADI	JUNGLE	0.040	0.040
257	TAPADIRI-47	80062	125	AJA	Paiba		229	18	ANABADI	JUNGLE	0.040	0.040
258	TAPADIRI-47	80063	125	AJA	Paiba		230	18	ANABADI	JUNGLE	0.040	0.040
259	TAPADIRI-47	80064	31	Gopinath Paiba S/O Srujanath Paiba	Paiba		1/220	18	ANABADI	JUNGLE	0.040	0.040
260	TAPADIRI-47	80065	4	Anam Ch. Paiba S/O Deshaju Paiba	Paiba		1/210	18	ANABADI	JUNGLE	0.040	0.040
261	TAPADIRI-47	80066	59	Parva Paiba S/O Srujanath Paiba	Paiba		1/218	18	ANABADI	JUNGLE	0.040	0.040
262	TAPADIRI-47	80067	126	AJA	Paiba		1	18	JUNGLE		0.180	0.180
263	TAPADIRI-47	80068	126	AJA	Paiba		1	18	JUNGLE		0.040	0.040
264	TAPADIRI-47	80069	128	AJA	Paiba		1	18	JUNGLE		0.040	0.040

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Uman Krishna Sin
General Manager (Genl)
Member of Attorney Foldar
Mining Commissioner I in

BAREIL TAMASIL

265	TAPADHI -47	37	123	AJA	Talle-I	1	18	JUNGLE	1.680	1.680
266	Tapadhi -47	85370	126	AJA	palis	1	18	JUNGLE	0.040	0.040
267	Tapadhi -47	85371	123	AJA	palis	1	18	JUNGLE	0.040	0.040
268	Tapadhi -47	85372	126	AJA	palis	1	18	JUNGLE	0.040	0.040
269	Tapadhi -47	85373	126	AJA	palis	1	18	JUNGLE	0.040	0.040
270	Tapadhi -47	85374	126	AJA	palis	1	18	JUNGLE	0.040	0.040
271	Tapadhi -47	85375	126	AJA	palis	1	18	JUNGLE	0.040	0.040
272	Tapadhi -47	85376	126	AJA	palis	1	18	JUNGLE	0.040	0.040
273	Tapadhi -47	85377	126	AJA	palis	1	18	JUNGLE	0.040	0.040
274	Tapadhi -47	85378	126	AJA	palis	1	18	JUNGLE	0.040	0.040
275	Tapadhi -47	85379	126	AJA	palis	1	18	JUNGLE	0.040	0.040
276	Tapadhi -47	85380	126	AJA	palis	1	18	JUNGLE	0.040	0.040
277	Tapadhi -47	85381	126	AJA	palis	1	18	JUNGLE	0.040	0.040
278	Tapadhi -47	85382	126	AJA	palis	1	18	JUNGLE	0.040	0.040
279	Tapadhi -47	85383	126	AJA	palis	1	18	JUNGLE	0.040	0.040
280	Tapadhi -47	85384	126	AJA	palis	1	18	JUNGLE	0.040	0.040
281	Tapadhi -47	85385	126	AJA	palis	1	18	JUNGLE	0.040	0.040
282	Tapadhi -47	85386	126	AJA	palis	1	18	JUNGLE	0.040	0.040
283	Tapadhi -47	85387	126	AJA	palis	1	18	JUNGLE	0.040	0.040
284	Tapadhi -47	85388	104	Senika Munda S/O- Uday Munda	Talle-I	1267	18	ANABADI JUNGLE	0.040	0.040
285	Tapadhi -47	81389	7	Senika Munda S/O- Dils Munda	palis	2206	18	ANABADI JUNGLE	0.040	0.040
286	Tapadhi -47	81390	52	Rama Munda S/O- Senika Munda	Talle-II	1205	18	ANABADI JUNGLE	0.040	0.040
287	Tapadhi -47	81391	117	Suga Munda S/O- Soma Munda	Talle-II	1204	18	ANABADI JUNGLE	0.040	0.040
288	Tapadhi -47	81392	101	Sahkara Munda S/O- Machhu Munda	palis	1203	18	ANABADI JUNGLE	0.040	0.040
289	Tapadhi -47	81393	9	Ellet Munda S/O- Mareda Munda	palis	1202	18	ANABADI JUNGLE	0.040	0.040
290	Tapadhi -47	81394	82	Moham Munda S/O- Sahkara Munda	Talle-II	201	18	ANABADI JUNGLE	0.040	0.040
291	Tapadhi -47	80395	103	Serles Munda S/O- Harbing Munda	Talle-I	1203	18	ANABADI JUNGLE	0.040	0.040
292	Tapadhi -47	80396	119	Harbing Munda S/O- Dava Munda	Talle-II	1199	18	ANABADI JUNGLE	0.040	0.040
293	Tapadhi -47	80397	105	Saroka Munda S/O- Birba Munda	Talle-II	18108	18	ANABADI JUNGLE	0.040	0.040
294	Tapadhi -47	80398	87	Rajendra Palis S/O- Bhusab Palis	Talle-II	1217	18	ANABADI JUNGLE	0.040	0.040

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BARBIL TAHASIL

TAHASILDAR

Suman Krishna Sii
General Manager (Geo)

372	Tapadhi 47	824088	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
373	Tapadhi 47	841807	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
374	Tapadhi 47	841808	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
375	Tapadhi 47	841809	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
376	Tapadhi 47	841810	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
377	Tapadhi 47	841811	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
378	Tapadhi 47	841812	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
379	Tapadhi 47	824772	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
380	Tapadhi 47	824773	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
381	Tapadhi 47	824774	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
382	Tapadhi 47	824775	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
383	Tapadhi 47	824776	126	A.J.A	Pailla	17183147	18	JUNGLE	0.040	0.040	0.040
384	Tapadhi 47	834777	82	Dorabandhu Nakh S/O Dailantia Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
385	Tapadhi 47	834778	12	Kalyan Nakh S/O Jagabandhu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
386	Tapadhi 47	834779	5	Arjuna Nakh S/O Bra Nakh & others	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
387	Tapadhi 47	841813	119/13	Champak Nakh Nakh & others	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
388	Tapadhi 47	824080	46	Omam Nakh S/O Sombhu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
389	Tapadhi 47	824081	56	Soma Nakh S/O Nandu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
390	Tapadhi 47	841814	46	Devyandhu Nakh S/O Pamu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
391	Tapadhi 47	841815	60	Saba Nakh S/O Sataba Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
392	Tapadhi 47	841816	126	A.J.A	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
393	Tapadhi 47	841817	126	A.J.A	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
394	Tapadhi 47	841818	76	Arjun Nakh S/O Easa Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
395	Tapadhi 47	834779	8	Asodhu Nakh S/O Bhagaban Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
396	Tapadhi 47	834780	32	Ganesh Nakh S/O Nandu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
397	Tapadhi 47	834781	3	Arjun Nakh S/O Benu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
398	Tapadhi 47	841819	51	Pailla Nakh & others	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
399	Tapadhi 47	834780	43	Omam Nakh S/O Nandu Nakh	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040
400	Tapadhi 47	834781	21	Krishna Gop S/O Sutara Gop	Pailla	17183147	18	ANABADI JUNGLE	0.040	0.040	0.040

(Signature)
TAHASIL
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(Signature)
Krishna Sill
Manager (Geo)
of Authority Holder
BARSIL TAHASIL
The Corporation Ltd.

Sl. No.	Tapadhi #	SUM82	Sl. No.	Seive Nak S/O Panch Nak	Taha li	Sl. No.	1/154	10	ANABADI JUNGLE	0.040	0.040
401	Tapadhi 47	33403	47	Dadhia Nak S/O Vandy Nak	Yallali	1/191/155	18		ANABADI JUNGLE	0.040	0.040
403	Tapadhi 47	84194	98	Batuboo Nak S/O Jasaboo Nak	Paiba	1/192/156	13		ANABADI JUNGLE	0.040	0.040
404	Tapadhi 47	84195	23	Gambis Nak S/O Panch Nak	Paiba	1/192/157	18	18	ANABADI JUNGLE	0.040	0.040
405	Tapadhi 47	86196	34	Chakra Nak S/O Banu Nak	Paiba	1/192/158	13	18	ANABADI JUNGLE	0.040	0.040
406	Tapadhi 47	85197	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
407	Tapadhi 47	86198	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
408	Tapadhi 47	86199	26	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
409	Tapadhi 47	86200	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
410	Tapadhi 47	86201	1182	S.S Deepak Mineral Pvt. Ltd.	Karakhana	1/109	14	18	ANABADI JUNGLE	0.040	0.040
411	Tapadhi 47	86202	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
412	Tapadhi 47	86203	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
413	Tapadhi 47	86204	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
414	Tapadhi 47	86205	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
415	Tapadhi 47	86206	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
416	Tapadhi 47	86207	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
417	Tapadhi 47	86208	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
418	Tapadhi 47	86209	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
419	Tapadhi 47	86210	1192	S.S Deepak Mineral Pvt. Ltd.	Karakhana	1/109	14	18	ANABADI JUNGLE	0.040	0.040
420	Tapadhi 47	86211	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
421	Tapadhi 47	86212	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
422	Tapadhi 47	86213	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
423	Tapadhi 47	86214	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
424	Tapadhi 47	86215	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
425	Tapadhi 47	86216	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
426	Tapadhi 47	86217	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
427	Tapadhi 47	86218	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
428	Tapadhi 47	86219	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
429	Tapadhi 47	86220	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
430	Tapadhi 47	86221	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
431	Tapadhi 47	86222	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
432	Tapadhi 47	86223	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
433	Tapadhi 47	86224	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
434	Tapadhi 47	86225	126	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
435	Tapadhi 47	86226	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040
436	Tapadhi 47	86227	128	A.J.A.	Paiba		18		JUNGLE	0.040	0.040

Suman Krishna Sit
General Manager(Geo)
Power of Attorney Holder

20-09-2023
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437	Tapadhi 47	85524	126	A.J.A.	Patip	1	1/225	18/115	JUNGLE	0.040	0.040
438	Tapadhi 47	85524	68	Sudha Nak S/O Deba Nak	Talla				GHARA AS PER AR	0.040	0.040
439	Tapadhi 47	86536	65	Besanti Swan D/O Anyanasa Swin	Patip		1/224	18/114	GHARA AS PER AR	0.040	0.040
440	Tapadhi 47	86537	35	Charan Maheshwari S/O Ravi Maheshwari	Patip		1/223	18/113	GHARA AS PER AR	0.040	0.040
441	Tapadhi 47	86538	75	Bendrasingh G/S/O Kullu Gul	Talla		1/222	18/112	GHARA AS PER AR	0.040	0.040
442	Tapadhi 47	86529	26	Gandary Sahu S/O Bhahu Sahu	Patip		1/221	18/111	GHARA AS PER AR	0.040	0.040
443	Tapadhi 47	86535	110/2	S.S Deepak Misra P.L.L.D.	Kachana		1/109	18	ANABADI JUNGLE	0.000	0.950
444	Tapadhi 47	86530	120	A.J.A.	Patip	1	1	18	JUNGLE	0.040	0.040
445	Tapadhi 47	87531	126	A.J.A.	Patip	1	1	13	JUNGLE	0.040	0.040
446	Tapadhi 47	87532	126	A.J.A.	Patip	1	1	12	JUNGLE	0.040	0.040
447	Tapadhi 47	87533	126	A.J.A.	Patip	1	1	18	JUNGLE	0.040	0.040
448	Tapadhi 47	86534	126	A.J.A.	Patip	1	1	18	JUNGLE	0.180	0.180
449	Tapadhi 47	86535	70	Lower Nak S/O Benu Nak	Patip		1/155/159	18/49	GHARA AS PER AR	0.040	0.040
450	Tapadhi 47	86536	58	Pondu Nak S/O Ratan Nak	Patip		1/136/140	18/50	GHARA AS PER AR	0.040	0.040
451	Tapadhi 47	86537	75	Shirser Nak S/O Benu Nak	Talla		1/161/167	18/51	GHARA AS PER AR	0.040	0.040
452	Tapadhi 47	86538	60	Benu Nak S/O Manu Nak	Patip		1/158/162	18/52	GHARA AS PER AR	0.040	0.040
453	Tapadhi 47	86539	111	Kallia Nak S/O Sambhu Nak	Patip		1/158/163	18/53	GHARA AS PER AR	0.040	0.040
454	Tapadhi 47	86540	123	A.J.A.	Talla	1	1	16	JUNGLE	1.200	1.200
455	Tapadhi 47	86540	117	Sudrasa Nak S/O Balabhadra Nak	Talla		1/200/108	18/54	GHARA AS PER AR	0.040	0.040
456	Tapadhi 47	87541	88	Rabikanta Nak S/O Shangbata Nak	Talla		1/201/166	18/55	GHARA AS PER AR	0.040	0.040
457	Tapadhi 47	87542	84	Maha Cop S/O Maden Cop	Talla		1/202/166	18/56	GHARA AS PER AR	0.040	0.040
458	Tapadhi 47	87543	79	Kupasinghu Nak S/O Nikanta Nak	Patip		1/203/167	18/57	GHARA AS PER AR	0.040	0.040
459	Tapadhi 47	80544	126	A.J.A.	Patip	1	1	17	JUNGLE	0.600	0.600
460	Tapadhi 47	80545	126	A.J.A.	Talla	1	1	14	JUNGLE	0.420	0.420
461	Tapadhi 47	80546	126	A.J.A.	Talla	1	1	12	JUNGLE	0.470	0.470
462	Tapadhi 47	82547	120	A.J.A.	Patip	1	1	14	JUNGLE	1.000	1.000
463	Tapadhi 47	86548	126	A.J.A.	Patip	1	1	18	JUNGLE	0.540	0.540
464	Tapadhi 47	86549	70	Bhuvan Nak & others	Talla		1/171/39	18/29	ANABADI JUNGLE	0.750	0.750

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Junior Krishna Sii
Senior Manager (Sec)
In-charge of Attorney Holder
of Mining Corporation Ltd
P.O. Barabati

463	Tapadhi 47	55	128	A.J.A.	Taliga	1	1/8/138	18/28	ANABADI	JUNGLE	0.870	0.870
464	Tapadhi 47	100/55C	25	Ganga Nalk S/O Ratan Nalk	Taliga-II					JUNGLE	0.400	0.400
465	Tapadhi 47	100/551	126	A.J.A.	Taliga	3				JUNGLE	0.280	0.280
466	Tapadhi 47	112/552	24	Ganga Nalk S/O Ratan Nalk	Taliga		1/6/116	18/28	ANABADI	JUNGLE	0.260	0.260
467	Tapadhi 47	112/555	126	A.J.A.	Jungle	1				JUNGLE	0.410	0.410
468	Tapadhi 47	115/556P	95	Rameswar Sanyal S/O Shankar Sanyal	Taliga		1/21/16	18	ARABADI	JUNGLE	0.330	0.330
469	Tapadhi 47	120/556P	124	Rakshit	Rega	1				JUNGLE	0.220	0.220
470	Tapadhi 47	58	11/072	Kanigadevi Gupta W/O Kam Chandra Gupta	Karakhana		1/11/1	18	ANABADI	JUNGLE	1.240	1.240
471	Tapadhi 47	21/560P	124	Rakshit	Falga	1				JUNGLE	1.100	0.2.0
472	Tapadhi 47	21/561P	126	A.J.A.	Falga	1				JUNGLE	0.120	0.120
473	Tapadhi 47	22/562P	124	Rakshit	Nalk	1				JUNGLE	0.200	0.178
474	Tapadhi 47	123/564	115/7	Janaka Sahu S/O Manabendra Sahu	Taliga		1/2/122	18	ANABADI	JUNGLE	0.080	0.080
475	Tapadhi 47	124/565P	124	Rakshit	Rega	1				JUNGLE	0.190	0.137
476	Tapadhi 47	123/567P	124	Rakshit	Falga	1				JUNGLE	0.450	0.467
477	Tapadhi 47	57	115/12	Kanigadevi Gupta W/O Man Chandra Gupta	Karakhana		1/11/1	18	ANABADI	JUNGLE	0.760	0.760
480	Tapadhi 47	134/571	128	A.J.A.	Falga	1				JUNGLE	2.300	2.300
481	Tapadhi 47	134/572	116/1	Bangali Prasad S/O Mynshi Prasad	Taliga-II	3				BI-GODA	0.330	0.030
482	Tapadhi 47	134/577	18	Kusun Munda & others	Taliga		2/1/108	9		BI-GODA W/O GODA	1.420	1.420
483	Tapadhi 47	134/578	34	Chakr Nalk S/O Benu Nalk	Taliga	4				BI-GODA	0.170	0.170
484	Tapadhi 47	134/579	18	Kusun Munda & others	Taliga	5				BI-GODA	0.180	0.150
485	Tapadhi 47	58	115/2	S. S Deyapak Mineral Pvt.Ltd.	Karakhana		1/11/13	18	ANABADI	JUNGLE	1.300	1.300
486	Tapadhi 47	134/580	126	A.J.A.	Falga	1				JUNGLE	5.880	5.890
487	Tapadhi 47	134/581	70	Sudharam Munda & Others	Taliga-II		6,7			BI-GODA	0.180	0.180
488	Tapadhi 47	134/582	100	Sakari Munda S/O Durga Munda	Taliga		1/1/33	18	ANABADI	JUNGLE	0.300	0.300
489	Tapadhi 47	134/583	69	Budhu Munda S/O Birsha Munda	Taliga		1/21/32	18	ANABADI	JUNGLE	0.120	0.120
490	Tapadhi 47	134/584	94	Rajal Munda S/O Birsha Munda	Taliga		1/3/134	18	ANABADI	JUNGLE	0.200	0.200

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27.09.2020
A.M.N.

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Suman Krishna Sii
General Manager(Geol)
Power of Attorney Holder

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TAPAS SILDAR

BARBIL TAHASIL

Sl. No.	Tapadhi 47	1341855	164	Redeem Mince 500	Talau	16	ANABADI	JUNGLE	0.850	0.350
491	Tapadhi 47	1341855	164	Brest Munda	Talau	16	ANABADI	JUNGLE	0.850	0.350
492	Tapadhi 47	1341855	124	Rakhia	Palle	16	JUNGLE	JUNGLE	0.160	0.185
493	Tapadhi 47	59	125	A J A	Palle	16	PARADOA	PARADOA	2.140	3.140
494	Tapadhi 47	1475037	70	Budhram Munda & others	Talau	4	HE-GODA	HE-GODA	0.020	0.041
495	Tapadhi 47	6	126	A J A	Palle	16	JUNGLE	JUNGLE	0.850	0.850
496	Tapadhi 47	60	126	A J A	Talau	16	JUNGLE	JUNGLE	4.850	4.000
497	Tapadhi 47	61	126	A J A	subla	16	JUNGLE	JUNGLE	32.250	30.250
498	Tapadhi 47	230810	126	A J A	lepa	16	JUNGLE	JUNGLE	0.850	0.280
499	Tapadhi 47	89819	118710	Deepak Munda's ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.180	0.180
500	Tapadhi 47	82	324	Rakhia	Gharbari	16	JUNGLE	JUNGLE	0.073	0.070
501	Tapadhi 47	80820	119018	Deepak Minerals ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.550	0.550
502	Tapadhi 47	80821	118718	Deepak Minerals ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.200	0.200
503	Tapadhi 47	80822	126	A J A	Talau	16	JUNGLE	JUNGLE	0.300	0.320
504	Tapadhi 47	87823	119019	Deepak Minerals ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.520	0.520
505	Tapadhi 47	81824	118718	Deepak Minerals ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.440	0.440
506	Tapadhi 47	82825	126	A J A	Talau	16	JUNGLE	JUNGLE	0.240	0.240
507	Tapadhi 47	83826	18718	Deepak Minerals ind. pvt. ltd	Karakhana	16	ANABADI	JUNGLE	0.880	0.880
508	Tapadhi 47	123827	124	Rakhia	Jungle	16	JUNGLE	JUNGLE	0.800	0.271
509	Tapadhi 47	134828	124	Rakhia	subla	16	JUNGLE	JUNGLE	2.160	2.255
510	Tapadhi 47	63	124	Rakhia	Gharbari	16	JUNGLE	JUNGLE	1.080	1.080
511	Tapadhi 47	1134829	118718	Bengal Prasad SIO Munda Prasad	Talau	2	Shab	GODA-III	0.840	2.140
512	Tapadhi 47	134931	30	Kutum Munda & others	Talau	3	GODA-III	GODA-III	0.010	0.010
513	Tapadhi 47	134832	18	Kutum Munda & others	Talau	3	GODA-III	GODA-III	1.000	0.329
514	Tapadhi 47	134833	75	Budhram Munda & others	Talau	4	HE-GODA-III	HE-GODA-III	0.480	0.436
515	Tapadhi 47	84	124	Rakhia	Gharbari	16	JUNGLE	JUNGLE	0.020	0.080
516	Tapadhi 47	115841	126	A J A	Jungle	16	JUNGLE	JUNGLE	0.850	0.044
517	Tapadhi 47	115842	134	Rakhia	LUJ	16	JUNGLE	JUNGLE	2.500	2.208
518	Tapadhi 47	115843	128	A J A	Jungle	16	JUNGLE	JUNGLE	1.000	0.079
519	Tapadhi 47	63	126	A J A	Jungle	16	JUNGLE	JUNGLE	0.840	0.840
520	Tapadhi 47	81850	126	A J A	Jungle	16	JUNGLE	JUNGLE	1.500	1.500
521	Tapadhi 47	86	126	A J A	Palle	16	JUNGLE	JUNGLE	2.040	2.940

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 Anand Krishna Sii
 General Manager (Geo)
 Sr. of Attorney foldes
 a Mining Corporation Ltd. BARBIL TAHASIL
 Bhubaneswar

522	Tapedini 47	67	124	Pakilla	Garabadi	1	JUNGLE	0.920	0.020
523	Tapedini 47	68	124	Pelibat	Garabadi	1	JUNGLE	1.820	1.920
524	Tapedini 47	69	131	Kapaha	Garabadi	1	JUNGLE	0.060	0.060
525	Tapedini 47	70	128	AJA	Pelilla	1	JUNGLE	0.150	0.160
526	Tapedini 47	71	124	Pakilla	Garabadi	1	JUNGLE	0.700	1.700
527	Tapedini 47	72	126	AJA	Pelilla	1	JUNGLE	3.140	3.140
528	Tapedini 47	73	32	Ghase Nalk S/O	Tala 1	11/127	JUNGLE	1.200	1.200
529	Tapedini 47	74	126	Nand. Nalk	Tala 1	1	JUNGLE	1.100	1.100
530	Tapedini 47	75	126	AJA	Tala 1	1	JUNGLE	1.250	1.250
531	Tapedini 47	76	126	AJA	SAB 1	1	JUNGLE	1.220	1.220
532	Tapedini 47	77	130	Savar. Munda S/O	Sarada 4	3/119	JUNGLE	2.840	2.840
533	Tapedini 47	78	126	Demka Munda	Tala 1	1	JUNGLE	3.240	3.240
534	Tapedini 47	79	126	Deepak Minnera	Tala 1	1	JUNGLE	1.900	1.900
535	Tapedini 47	80	126	Deepak Minnera	Karabadi	1	JUNGLE	1.110	1.110
536	Tapedini 47	81	126	Deepak Minnera	Karabadi	1	JUNGLE	1.220	1.220
537	Tapedini 47	82	71	Deepak Minnera	Tala 1	1	JUNGLE	0.040	0.040
538	Tapedini 47	83	71	Deepak Minnera	Tala 1	1	JUNGLE	0.040	0.040
539	Tapedini 47	84	126	Deepak Minnera	Tala 1	1	JUNGLE	1.240	1.240
540	Tapedini 47	85	126	Deepak Minnera	Tala 1	1	JUNGLE	0.200	0.200
541	Tapedini 47	86	126	Deepak Minnera	Tala 1	1	JUNGLE	13.820	13.820
542	Tapedini 47	87	126	Deepak Minnera	Tala 1	1	JUNGLE	0.220	0.220
543	Tapedini 47	88	126	Deepak Minnera	Tala 1	1	JUNGLE	0.060	0.060
544	Tapedini 47	89	126	Deepak Minnera	Tala 1	1	JUNGLE	0.040	0.040
545	Tapedini 47	90	126	Deepak Minnera	Tala 1	1	JUNGLE	0.880	0.880
546	Tapedini 47	91	126	Deepak Minnera	Tala 1	1	JUNGLE	0.320	0.320
547	Tapedini 47	92	126	Deepak Minnera	Tala 1	1	JUNGLE	0.380	0.380
548	Tapedini 47	93	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
549	Tapedini 47	94	126	Deepak Minnera	Tala 1	1	JUNGLE	0.840	0.840
550	Tapedini 47	95	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
551	Tapedini 47	96	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
552	Tapedini 47	97	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
553	Tapedini 47	98	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
554	Tapedini 47	99	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
555	Tapedini 47	100	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
556	Tapedini 47	101	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
557	Tapedini 47	102	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
558	Tapedini 47	103	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
559	Tapedini 47	104	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
560	Tapedini 47	105	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
561	Tapedini 47	106	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
562	Tapedini 47	107	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
563	Tapedini 47	108	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
564	Tapedini 47	109	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
565	Tapedini 47	110	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
566	Tapedini 47	111	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
567	Tapedini 47	112	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
568	Tapedini 47	113	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
569	Tapedini 47	114	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
570	Tapedini 47	115	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
571	Tapedini 47	116	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
572	Tapedini 47	117	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
573	Tapedini 47	118	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
574	Tapedini 47	119	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
575	Tapedini 47	120	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
576	Tapedini 47	121	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
577	Tapedini 47	122	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
578	Tapedini 47	123	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
579	Tapedini 47	124	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
580	Tapedini 47	125	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
581	Tapedini 47	126	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
582	Tapedini 47	127	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
583	Tapedini 47	128	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
584	Tapedini 47	129	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
585	Tapedini 47	130	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
586	Tapedini 47	131	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
587	Tapedini 47	132	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
588	Tapedini 47	133	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
589	Tapedini 47	134	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
590	Tapedini 47	135	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
591	Tapedini 47	136	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
592	Tapedini 47	137	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
593	Tapedini 47	138	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
594	Tapedini 47	139	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480
595	Tapedini 47	140	126	Deepak Minnera	Tala 1	1	JUNGLE	0.810	0.810
596	Tapedini 47	141	126	Deepak Minnera	Tala 1	1	JUNGLE	0.330	0.330
597	Tapedini 47	142	126	Deepak Minnera	Tala 1	1	JUNGLE	0.280	0.280
598	Tapedini 47	143	126	Deepak Minnera	Tala 1	1	JUNGLE	0.800	0.800
599	Tapedini 47	144	126	Deepak Minnera	Tala 1	1	JUNGLE	0.300	0.300
600	Tapedini 47	145	126	Deepak Minnera	Tala 1	1	JUNGLE	0.480	0.480


Sumat Krishna
General Manager (S/O)

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555	Tasunik 47	DS	47	Qayandih Nek.C Others	Title 1	'M10	JUNGLE	0.600	0.600
557	Tapanin 47	59	37	Jagatandih Nek s/w RAIN NAK	Sarong-1	1/510	JUNGLE	1.010	1.010
							Total	460.746	
Siddharath Reserved Forest									
559	Sidharath Reserved Forest	RY					Total	75.755	885.277

Verified the land schedule
 as per letter no-54 dt 15.03.2021
 Submitted by Atdle. Sub-Governor (Siddharath)
 Kanyhar and letter no-17 dt. 18.03.2021
 Submitted by Atdl. Commissioner, Dist. Forest Dept.
 Commissioner Kanyhar.


 Man Krishna Sat
 Area Manager (Secy) BARBIL TAHASIL
 of Attorney Holder
 Mining Corporation Ltd.
 Barabanswar


 27.03.2021
 K. K.


 TAHASILDAR
 BARBIL

FORM - A

Form for seeking prior approval of Central Government under Section 2 of the Forest(Conservation) Act, 1980 for diversion of forest land area

PART - I

(To be filled up by User Agency)


A. General Details**A-1. Project Details**

- (i). Proposal No. : SP/CR/WH/140713/2021
 (ii). Name of Project for which Forest Land is required : Guaf Iron Ore Mine
 (iii). Short narrative of the proposal and Project/Scheme for which the forest land is required : Guaf Iron Ore ML area land place within the Latitude- 21° 59' 21.991" to 22° 00' 00.984" N and Longitude: 85° 17' 02.375" to 85° 18' 59.540" E in the Survey of India Topo Sheet bearing No. 74502 b. F45H on a 1:50000 scale. The area exhibits an undulating topography with varying elevations from 598 m
 (iv). State : Orissa
 (v). Category of the Proposal : Mining
 (vi). Shape of forest land proposed to be diverted : Non Linear
 (vii). Estimated cost of the Project(Rupees in lacs) : 9359.37
 (viii). Area of forest land proposed for diversion(In ha.) : 194.63
 (ix). Non-forest land required for this project(In ha.) : 163.57
 (x). Total period for which the forest land is proposed to be diverted(In years): 10

A-2. Details of User Agency

- (i). Name : OISHA MINING CORPORATION LTD
 (ii). Address 1 : OMC House
 (iii). Address 2 : Bhubaneswar
 (iv). State : Orissa
 (v). District : Khordha
 (vi). Pin : 751012
 (vii). Landmark : Adjacent to Assembly House
 (viii). Email Address : fdp.omic@gmail.com
 (ix). Landline Telephone No. : 674-3277458
 (x). Fax No. : 674-617
 (xi). Mobile No. : 9437134765
 (xii). Website (if any) : www.omsmining.com
 (xiii). Legal status of User Agency : State PSU

A-3. Details of Person Making Application

- (i). First Name: Saman Kishor
 (ii). Middle Name: NL
 (iii). Last Name: SII
 (iv). Gender: Female
 (v). Designation: General Manager (Geo)
 (vi). Address 1: Oisha Mining Corporation Ltd., OMC House, Bhubaneswar
 (vii). Address 2: NL
 (viii). State: Orissa
 (ix). District: Khordha
 (x). Tehsil: Bhubaneswar
 (xi). Pin: 751012
 (xii). Landmark: Adjacent to Assembly House
 (xiii). Email Address: fdp.omic@gmail.com
 (xiv). Landline Telephone No.: 674-3277458
 (xv). Fax No.: 6674237458
 (xvi). Mobile No.: 992297830
 (xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: 

B. Details of land required for the Project

8-1. Details of proposals seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

Proposals Submitted in Past							
S.No	Proposal Status	Proposal No.	Forest File No.	Area Proposed for Diversion (ha.)	Area Diverted (Ha.)	Date of In-Principle Approval	Date of Final Approval
1	In-principle	FP/DR/MAH/1797/2014	E.No. B-02/2014-FC	345.188	345.188	30 Jun 2019	
2	Approved	FP/DR/MAH/1576/2010	F.No. B-1/2009-FC (Vol.)	1177.211	1177.211	14 Sep 2017	09 Oct 2018
3	In-principle	FP/DR/MAH/21011/2016	E.No. B-2/2016-FC	68	68	16 Mar 2018	
4	Approved	FP/DR/MAH/2/2017	S-ORC/22/2017-BHU	1.582	1.582	24 Sep 2018	16 Oct 2018
5	In-principle	FP/DR/MAH/7/2017	B-10/2018-FC	2.782	4.734	14 Sep 2018	
6	In-principle	FP/DR/MAH/4/2017	B-11/2018-FC	7.54	7.54	14 Sep 2018	
7	In-principle	FP/DR/MAH/11/2014	B-13/2018-FC	7.94	7.94	18 Aug 2018	
8	In-principle	FP/DR/MAH/11/2014	B-09/2018-FC	1.616	3.626	19 Dec 2017	
9	In-principle	FP/DR/MAH/17/2014	B-4/2018-FC	6.599	6.439	16 Aug 2018	
10	In-principle	FP/DR/MAH/16/2015	B-14/2018-FC	5.597	5.597	04 Aug 2018	
11	In-principle	FP/DR/MAH/19/2014	B-4/2017-FC	4.17	4.17	01 Feb 2018	
12	Approved	FP/DR/MAH/11/2014	B-17/2015-FC	6.5495	6.5495	31 Sep 2016	13 Dec 2018
13	In-principle	FP/DR/MAH/14546/2015	S-ORC/22/2017-BHU	11.912	11.912	28 Nov 2018	
14	Approved	FP/DR/MAH/1308/2014	B-11/2009-FC (Vol. II)	517.348	517.348	25 Feb 2016	29 Mar 2018
15	Approved	FP/DR/MAH/1820/2010	E.No. B-5/2000-FC (Vol.)	279.351	279.351	08 Jan 2015	25 Feb 2018
16	In-principle	FP/DR/MAH/14/2014	B-11/2015-FC	9.406	9.406	17 Sep 2015	
17	In-principle	FP/DR/MAH/20/2014	B-16/2015-FC	14.842	14.842	17 Sep 2015	
18	In-principle	FP/DR/MAH/15/2014	B-29/2017-FC	9.819	9.819	06 Sep 2017	
19	Approved	FP/DR/MAH/9418/2015	E. No. B-16/2016-FC	134.935	134.935	17 Apr 2017	25 Sep 2017
20	Approved	FP/DR/MAH/22/2014	NO. S-048/2017-BHU	1.31	1.31	14 Sep 2015	06 Feb 2017
21	In-principle	FP/DR/MAH/1471/2014	E. No. B-23/2016-FC	162.42	162.42	14 Sep 2017	
22	Approved	FP/DR/MAH/1571/2016	B-105/2011-FC	119.3618	11.3442	17 Feb 2009	21 Apr 2017
23	In-principle	FP/DR/MAH/1888/2010	B-54/2010-FC	79.3	79.3	17 Sep 2017	
24	In-principle	FP/DR/MAH/2012/2011	S-ORC/22/2017-BHU	24.9512	24.9512	19 Dec 2016	
25	In-principle	FP/DR/MAH/2035/2015	B-27/2017-FC	106.016	106.016	17 Sep 2017	
Total				2108.4505	2373.7299		

8-2. Details of forest land proposed to be diverted

8-2.1 Details of Divisions involved

Details of Divisions involved			
S.No	Division Name	Forest Land (ha.)	Non-Forest Land (ha.)
1.	Geophar	194.883	19.572

B-2 Details of Districts involved

District wise breakup			
S.No	District Name	Forest Land (ha.)	Non-Forest Land (ha.)
1.	Kendrapat	194.683	19.572
Total		194.683	19.572

B-1.3 Village wise breakup

Villages wise breakup			
S.No	Village	Forest Land (ha.)	Non-Forest Land (ha.)
1	Gand	21.477	9.671
2	Lohapada	1.372	1.447
3	Pandulpada	56.125	1.425
4	Rajendran	1.71	0
5	Kandara	78.640	16.139
6	Sahamada RF	14.657	0
Total		194.683	19.572


B-2.4 Component wise breakup

Component wise breakup			
S.No	Component	Forest Land (ha.)	Non-Forest Land (ha.)
1	Mining	68.561	14.085
2	Removal of Over Burden	49.052	0
3	Material Storage	15.355	1.307
4	Infrastructure	1.287	1.004
5	Road	1.602	0.425
6	Mineral Separation Plant (Crushing & Screening) etc	22.427	0.256
7	Proposed mine investment	6.014	0.132
8	Area earmarked for safety zone (Hd. Road, Hd. & Ad)	21.379	2.79
Total		194.683	19.572

C. Maps of forest land proposed to be diverted

Division I. : Kendrapat			
(i). Area of forest land proposed to be diverted (in ha.) : 194.683			
(ii). Nature of the Project: Non-Linear			
(a). No. of patches : Four			
Patch wise details			
Patch No.	Area of Patch (in ha.)	Kind File of Patches To view KML file on google the same may be downloaded and then open it in google earth (install in your computer).	
1.	191.925		View File
2.	2.502		View File
3.	0.871		View File
4.	0.984		View File
(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted:			
(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station:			

D. Justification for locating the Project in forest land and details of alternatives examined:

(f). Copy of note containing justification for locating the Project in forest land: 

E. Employment likely to be generated

- (i). Whether the Project is likely to generate employment?: Yes
 (ii). Permanent/Regular Employment(Number of persons): 500
 (iii). Temporary Employment(Number of person-days): 2000

F. Displacement of People due to the Project, if any

(i). Whether Project involves displacement?: No

G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: Yes

(a). Copy of Cost-Benefit analysis: 

H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986?: Yes

(a). Status of the Environmental Clearance to the Project: EC obtained

(b). Environmental Clearance File No.: J-11015/1155/2007-IA,II(M)

(c). Copy of Environmental Clearance to the Project: 

(d). Date of grant of Environmental Clearance to the Project: 2009-06-22

I. Status of Wildlife Clearance

(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone?: No

J. Applicability of special provisions governing Scheduled Areas



(i). Whether the Project or a part thereof is located in a Scheduled Area?: Yes

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed?: No

L. Details of land identified for Compensatory Afforestation

- (i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Yes
 (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: No
 (iii). No. of districts involved for raising Compensatory Afforestation: 1
 (iv). No. of patches: Three

District 1.1 Koraput	
(a). Village: Paturu	
(b). Area(In ha.): 125.148	
(c). Copy of KML file of the patch: 	View File
(d). Khasra details: Khata No 61	
(e). Present owner: Other	
(f). Copy of ownership proof: 	

(g). Copy of MoU/agreement executed between the Present owner and the User Agency: 

(h). Copy of non encumbrance certificate for the forest land: 

District 2 : Kerapet

(a). Village: Pelouu


(b). Area(In ha.): 19.125


(c). Copy of KML file of the patch:  Yasir Elk

(d). Phone details: Khata No.61

(e). Present owner: Others

(f). Copy of ownership proof: 

(g). Copy of MoU/agreement executed between the Present owner and the User Agency: 

(h). Copy of non encumbrance certificate for the forest land: 

District 3 : Kerapet

(a). Village: Pelouu

(b). Area(In ha.): 30.24

(c). Copy of KML file of the patch:  Yasir Elk


(d). Phone details: Khata No.61

(e). Present owner: Others

(f). Copy of ownership proof: 

(g). Copy of MoU/agreement executed between the Present owner and the User Agency: 

(h). Copy of non encumbrance certificate for the forest land: 

(i). Scanned copy of the map of the land identified for creation of Compensatory Afforestation prepared by using GPS control Station: 

(j). Copy of Survey of India Toposheet in 1:50,000 scale indicating location of the land identified for creation of Compensatory Afforestation: 


M. Mining Details

M-1. Details of Mineral Concessions

(i). Whether the Jaraut land is acquired under Coal Bearing Areas Act: No

(a). Reference number of Letter of Intent for grant of mining lease (approval letter of the State Mines and Geology Department): 312/24

(b). Date of issue of the Letter of Intent (LOI) for grant of mining lease: 19 Feb 2021

(c). Copy the Letter of Intent(LOI): 


(d). Total area of the mining lease(in ha.): 353.258

(e). Area of forest land located in the mining lease(in ha.): 332.1

N-2. Details of Mining Plan

(i). Date of approval of mining plan: 19 Nov 2021

(ii). Approval authority: IBM, Bhubaneswar

(iii). Copy of approval of mining plan: (iv). Copy of approved mining plan: 

(v). Nature of mining (underground/opencast): Opencast

(vi). Copy of the detailed land use plan in 1:4,000 scale prepared by using GPS or Total Station: (vii). Copy of map of the outer boundary of mining lease area:  [View File](#)

N-3. Details of prospecting undertaken to assess mineral reserves

(i). Whether detailed prospecting to assess mineral reserve in the lease has been undertaken: No

N-4. Details of extension (if any) of original prospecting licence issued in the past

(i). Whether detailed prospecting to assess mineral reserve in the lease has been undertaken: No

N-5. Brief details of prospecting activities undertaken in the mining lease :

(i). Detail of prospecting activity undertaken in the mining lease: Based on the Geological Report received from State Govt, a total of 167 boreholes have been drilled within the lease area for a meirage of 10005.45 m as on 31.07,2019 in different types i.e. 30 nos or

N-5.1 Details of bore holes drilled for prospecting :

Bore holes drilled for prospecting				
S.No	No. of Bore holes (in forest land)	Diameters(in Inch.) forest land	No. of Bore holes (in non-forest land)	Diameters(in Inch.) non-forest land
1	167	4	0	0

N-5.2 Estimated Reserve along with accuracy and confidence level

Estimated Reserve along with accuracy and confidence level						
Minerals	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level
Iron Ore	196.707	90	95	0	0	0

N-6. Details of approval under the Forest (Conservation) Act,1980 obtained for undertaking prospecting activities in the forest land located in the mining lease

(i). Whether approval under the Forest (Conservation) Act, 1980 for undertaking prospecting activities in the forest land located in the mining lease have been obtained: No

Details of approval under the Forest(Conservation) Act,1980					
S.No	MoEF File No	Date of approval	Area of forest land diverted(in ha.)	From Date	To Date
NIL					

N-7. Mineral wise details

(i). No. of minerals: One

Mineral wise details						
Minerals	Estimated reserve in non forest land(million tones.)	Estimated reserve in forest land(million tones.)	Estimated annual extraction(million tones.)	Estimated life of mine(Yrs.)	Total estimated extraction during mining lease period(million tones)	Estimated mineral reserve at the end of mining lease(million tones)

Iron Ore	0	196,707	30	B	196,707	C
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Ap2.1 Proposed use of the minerals proposed to be raised from the mining lease

(f) Proposed use of the minerals proposed to be raised from the mining lease: Non captive

(g) Copy note containing details of the plan for the transportation of the minerals proposed to be raised from the mining lease:

Additional information Details

Documents		
S.No	Documents	Remarks
1	1a	Stage-III FC over 52.41 ha granted by MoEF to valid till lease period as per MMDR Amendment Act 2021.
2	1b	Stage-III FC over 75.00 ha granted by MoEF to valid till lease period as per MMDR Amendment Act 2021
3	1c	Undertaking
4	1d	EC Gullu Iron Ore Mines
5	1e	Compliance to EDS of 16.08.2021 pertaining to Gullu Iron Ore Mines of OMC Ltd.
6	1f	Compliance to EDS of 25.12.2021
7	1g	Compliance to EDS of 30.06.2022



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No.06766-254315, email: dfokjr.od@gov.in

No 8040 /6F-Mining-16/2021
Dated, Keonjhar the 13th November, 2021

To

The Executive Director (F&E),
M/s OMC Ltd, OMC House,
Bhubaneswar.

Sub: Authentication of flora and fauna both in core, buffer zone & location map showing distance of Biosphere, Reserves, Wildlife Sanctuaries, Tiger / Elephant Reserve of Guali Iron Ore Mines of M/s OMC Ltd.

Ref: Your letter No. 16704/OMC/F&E/2021 dated. 06.11.2021 & ToR ToR issued vide F.No.-IA-J-11015/31/2021-IA-II(M) dated 04.08.2021 of MoEF&CC, GeI, Impact Assessment Division.


Sir,

With reference to your above cited letter, the lists of flora and fauna both in core, buffer zone & location map showing distance of Biosphere, Reserves, Wildlife Sanctuaries, Tiger / Elephant Reserve of the above project are authenticated.

The authenticated list of Flora, Fauna & location map are enclosed herewith for necessary action at your end.

Enclosure:- As above.

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

**List of Flora & Fauna Found In the Core & Buffer Zone of Guali Iron Ore Mines of
M/s OMC Ltd, Keonjhar district of Odisha**

CORE ZONE

The common species of flora & fauna noticed in Core Zone is furnished below separately;

FLORA (Core Zone)


Local Name/Common Name	Botanical Name	Family
TREES		
Achu	<i>Morinda tinctoria</i>	Rubiaceae
Amla	<i>Emblca officinalis</i>	Euphorbiaceae
Asona/ Sahaja	<i>Terminalia tomentosa</i>	Combretaceae
Ankura	<i>Alangium lamarkii</i>	Comaceae
Bahaca	<i>Terminalia bellerica</i>	Combretaceae
Barakoll	<i>Zizyphus mauritiana</i>	Rhamnaceae
Baruna	<i>Crataeva religiosa</i>	Capparidaceae
Bel	<i>Aegle marmelos</i>	Rutaceae
BanaBhalia	<i>Semecarpus anacardium</i>	Anacardiaceae
Behenia	<i>Lemonia acidissima</i>	Rutaceae
Bheru	<i>Chloroxylon swietenia</i>	Meliaceae
Char	<i>Buchanania lanzan</i>	Anacardiaceae
Chhallan	<i>Astonia scholaris</i>	Apocynaceae
Dhaman	<i>Grewia thaeafolia</i>	Tiliaceae
Dheura	<i>Anogeissus latifolia</i>	Combretaceae
Dimli	<i>Ficus glomerata</i>	Moraceae
Haldu	<i>Adina cordifolia</i>	Rubaceae
Harida	<i>Terminalia chebula</i>	Combretaceae
Jamun	<i>Syzygium cumini</i>	Myrtaceae
Kalucha	<i>Glochidion lanceolatum</i>	Euphorbiaceae
Karada	<i>Cleistanthus collatus</i>	Euphorbiaceae
Katrang	<i>Gardenia latifolia</i>	Rubiaceae
Kendu	<i>Diospyros melanoxylon</i>	Ebenaceae
Kumbhi	<i>Caraya arborea</i>	Lecythidaceae
Kusuma	<i>Schleichera alata</i>	Sapindaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Sidhe	<i>Lagerstroemia parviflora</i>	Lythraceae
Semul	<i>Bombax ceiba</i>	Bombacaceae
Sirs	<i>Albizia Lebbeck</i>	Mimosaceae
Sunari	<i>Cassia fistula</i>	Cesalpiniaceae
GRASSES		
Bena	<i>Vilivora zizanioides</i>	Gramineae
Duba	<i>Cynodon dactylon</i>	Gramineae

**List of Flora & Fauna Found in the Core & Buffer Zone of Guati Iron Ore Mines of
M/s OMC Ltd. Keonjhar district of Odisha**

Local Name/Common Name	Botanical Name	Family
Kasalandi	<i>Saccharum spontaneum</i>	Gramineae
SHRUBS/HERBS		
Anartamula	<i>Hemidesmus indicus</i>	Asclepidaceae
Arakha	<i>Calotropis procera</i>	Asclepidaceae
Basanga	<i>Adhatoda vasica</i>	Acanthaceae
Dhatuki	<i>Woodfordia fruticosa</i>	Lythraceae
Kurel	<i>Holarrhena antidysenterica</i>	Apocynaceae
CLIMBERS		
Atundi	<i>Combretum decandrum</i>	Combretaceae
Baldenka	<i>Mucuna pruriens</i>	Fabaceae
Bichhuati	<i>Urtica dioica</i>	Euphorbiaceae
Muturi	<i>Smitax macrophylla</i>	Liliaceae
Siati	<i>Bauhinia vahlii</i>	Caesalpinaceae
Satabari	<i>Asparagus racemosus</i>	Asparagaceae

FAUNA (Core Zone)

Local Name	English Name	Zoological Name	Schedule
MAMMALS			
Berha	Wild Boar	<i>Sus scrofa</i>	III
Bilua	Jackal	<i>Canis aureus</i>	I
Hela	Hyena	<i>Hyena hyaena</i>	III
Jhinka	Porcupine	<i>Hystrix indica</i>	IV
Kutura	Barking deer	<i>Muntiacus muntjak</i>	III
Neula	Common Mongoose	<i>Herpestes edwardsii</i>	II
BIRDS			
BanaKukuda	Jungle fowl	<i>Gallus gallus</i>	IV
Kapta	Ring Dove	<i>Streptopelia decaocto</i>	IV
Kueli	Cuckoo	<i>Eudynamis scolopaceus</i>	IV
Kumbhatua	Crow pheasant	<i>Centropus sinensis</i>	IV
Gunduri	Partridge	<i>Francolinus pondicerianus</i>	IV
Keluhena	Woodpecker	<i>Picoides nanus</i>	IV
REPTILES			
Dhamana	Rat snake	<i>Ptyas mucosus</i>	II


 Anil Kumar
 District Forest Officer
 Keonjhar District

**List of Flora & Fauna Found In the Core & Buffer Zone of Guali Iron Ore Mines of
M/s OMC Ltd. Keonjhar district of Odisha**

Buffer Zone

The common species of flora & fauna noticed in buffer zone or Zone of Influence (ZOI) is furnished below separately:

FLORA (Buffer Zone)

Local Name/Common Name	Botanical Name	Family
TREES		
Anhu	<i>Morinda tinctoria</i>	Rubiaceae
Amla	<i>Embilica officinalis</i>	Euphorbiaceae
Ankula	<i>Alamglum lamarkii</i>	Cornaceae
Asana	<i>Terminalia alata</i>	Combretaceae
Bahada	<i>Terminalia bellerica</i>	Combretaceae
Sarakoll	<i>Zizyphus mauritiana</i>	Rhamnaceae
Baruna	<i>Crateva religiosa</i>	Capparidaceae
Bel	<i>Aegle marmelos</i>	Rutaceae
BanaBhala	<i>Semicarpus eriocarpum</i>	Anacardiaceae
Behenla	<i>Lemonia acidissima</i>	Rutaceae
Bharu	<i>Chloroxylon swietenia</i>	Meliaceae
Char	<i>Buchanania lanzeri</i>	Anacardiaceae
Chhatian	<i>Astonia scholaris</i>	Apocyanaceae
Dhaman	<i>Grewia tiliaefolia</i>	Tiliaceae
Dhaura	<i>Anogeissus latifolia</i>	Combretaceae
Dimiñ	<i>Ficus glomerata</i>	Moraceae
Haidu	<i>Adina cordifolia</i>	Rubaceae
Harida	<i>Terminalia chebula</i>	Combretaceae
Jamun	<i>Syzygium cumini</i>	Myrtaceae
Kalucha	<i>Glacridion lanceolatum</i>	Euphorbiaceae
Karada	<i>Clerodanthus colinus</i>	Euphorbiaceae
Katrag	<i>Gardenia latifolia</i>	Rubiaceae
Kendu	<i>Diospyros melanoxylon</i>	Ebenaceae
Kumbhi	<i>Caraya arborea</i>	Lecythidaceae
Kusuma	<i>Scheuchera oleosa</i>	Sapindaceae
Sai	<i>Shorea busta</i>	Dipterocarpaceae
Sidha	<i>Lagerstroemia parviflora</i>	Lythraceae
Semul	<i>Bombax ceiba</i>	Bombacaceae
Siris	<i>Albizia Lebbek</i>	Mimosaceae
Sunari	<i>Cassia fistula</i>	Cesalpiniaceae
GRASSES		
Khara grass	<i>Imperata cylindrica</i>	Poaceae



 Divisional Forest Officer
 Keonjhar Division

**List of Flora & Fauna Found in the Core & Buffer Zone of Gull Iron Ore Mines of
M/s OMC Ltd, Keonjhar district of Odisha**

Local Name/Common Name	Botanical Name	Family
Phulbandhuri	<i>Rhynchospora maxima</i>	Poaceae
SHRUBS/HERBS		
Anantamula	<i>Hemidesmus indicus</i>	Asclepiadaceae
Arakha	<i>Calotropis gigantea</i>	Asclepiadaceae
Basanga	<i>Azadirachta indica</i>	Meliaceae
Dhetuki	<i>Woodfordia fruticosa</i>	Lythraceae
Kurei	<i>Holarrhena antihysenterica</i>	Apocynaceae
CLIMBERS		
Atundi	<i>Combretum decandrum</i>	Combretaceae
Bidanka	<i>Mucuna monosperma</i>	Papilionaceae
Bichhuati	<i>Urtica dioica</i>	Euphorbiaceae
Mutulri	<i>Smyx macrophylla</i>	Liliaceae
Stali	<i>Bauhinia varil</i>	Papilionaceae
Satabari	<i>Asparagus racemosus</i>	Liliaceae

FAUNA (Buffer Zone)

Local Name	Scientific Name	Common Name	Schedule
MAMMALS			
Barha	<i>Sus scrofa</i>	Wild Boar	III
Bilua	<i>Canis aureus</i>	Jackal	II
Bhaku	<i>Melursus ursinus</i>	Sloth bear	I
Hela	<i>Hyaena hyaena</i>	Hyena	III
Jhinka	<i>Hystrix indica</i>	Porcupine	IV
Kutura	<i>Muntiacus muntjak</i>	Barking deer	III
Neula	<i>Herpestes edwardsii</i>	Common Mongoose	II
Hali	<i>Elephas maximus</i>	Elephant	I
BIRDS			
BanaKukua	<i>Gallus gallus</i>	Jungle fowl	IV
Kapla	<i>Streptopelia decaocto</i>	Ring Dove	IV
Koel	<i>Eudynamis scolopacea</i>	Cuckoo	IV
Kumbhatuz	<i>Centropus sinensis</i>	Crow pheasant	IV
Gundur	<i>Francolinus pondicerianus</i>	Partridge	IV
Kathahana	<i>Picoides natus</i>	Woodpecker	IV
REPTILES			
Dhamana	<i>Ptyas mucopus</i>	Rail snake	II
Godhi	<i>Varanus monitor</i>	Yellow monitor	II


 Divisional Forest Officer
 Keonjhar Division

Annexure-VII

Sl No	Common Name	Scientific Name	Schedule	IUCN status	CITES	CMS
BIRDS						
1	Black-necked crane	<i>Grus nigricollis</i>	I	VU	I	I/II
2	Cheer pheasant	<i>Catreus wallichii</i>	I	VU	I	
3	Great Indian Bustard	<i>Ardeotis nigriceps</i>	I	EN	I	
4	Great Indian hornbill	<i>Buceros bicornis</i>	I	NT	II	
5	Hooded Crane	<i>Grus monacha</i>	I	VU	I	I/II
6	Rufous-necked Hornbill	<i>Accras nipalensis</i>	I	VU	II	
7	Houbara bustard	<i>Chlamydotis macqueenii</i>	I	VU	I	I/II
8	Hume's bar-backed pheasant	<i>Symaticus humiae</i>		NT	I	
9	Jerdon's Courser	<i>Cursorius bitorquatus</i>		CR		
10	Saker Falcon	<i>Falco cherrug</i>	I	VU		I/II
11	Lesser florican	<i>Sypheotides indica</i>	I	EN		
12	Slater's Monal	<i>Lophophorus slateri</i>	I	VU		
13	Marcodam hornbill	<i>Rhyticeros (undulatus) narcondami</i>	I	EN	II	
14	Nicobar megapode	<i>Megapodius nicobariensis</i>	I	VU		
15	Nicobar pigeon	<i>Caloenas nicobarica pelewensis</i>	I	NT		
15	Pink headed duck	<i>Rhodanessa caryophyllacea</i>	I	CR	I	
17	Siberian white crane	<i>Grus leucogeranus</i>	I	CR	I	I/II
18	Western Tragopan	<i>Tragopan melanocephalus</i>		VU		
19	Blyth's Tragopan	<i>Tragopan blythii</i>	I	VU	I	
20	Satyr Tragopan	<i>Tragopan satyra</i>	I	NT		
21	White-winged Wood Duck	<i>Catrina scutulata</i>		EN	I	
22	Tibetan ear pheasant	<i>Crossoptilon harmani</i>	I	NT	I	
23	White-rumped vulture	<i>Gyps bengalensis</i>	I	CR		
24	Slender-billed Vulture	<i>Gyps tenuirostris</i>	I	CR		

25	White bellied heron	<i>Ardea insignis</i>	I	CR		
MAMMALS						
26	Andaman Wild Pig	<i>Sus scrofa andamanensis</i>	I	NT		
27	Blackbuck	<i>Antelope cervicapra</i>	I	NT		
28	Brow-Antlered Deer	<i>Cervus eldii eldii</i>	I	CR	I	
29	Capped Langur	<i>Trachypithecus pileatus</i>	I	EN	I	
30	Blainville's Beaked Whale	<i>Mesoplodon densirostris</i>	I	DD	II	
31	Blue whale	<i>Balaenoptera musculus</i>	I	EN	I	I
32	Bottle-Nosed Dolphin	<i>Tursiops aduncus</i>	I	DD	II	II
33	Fraser's Dolphin	<i>Lagenodelphis hosei</i>	I	DD		II
34	Ganges River Dolphin	<i>Platanista gangetica</i>	I	EN	I	
35	Ginkgo-Toothed Beaked Whale	<i>Mesoplodon ginkgodens</i>	I	DD	II	
36	Irrawady Dolphin	<i>Orcaella brevirostris</i>	I	DD	I	II
37	Killer Whale	<i>Orcinus orca</i>	I	LR/cd	I	II
38	Pygmy Killer Whale	<i>Feresa attenuata</i>	I	DD		
39	Rough-toothed Dolphin	<i>Steno bredanensis</i>	I	DD	II	
40	Cheetah	<i>Acinonyx jubatus</i>	I	VU	I	
41	Chinese Pangolin	<i>Manis pentadactyla</i>	I	LR/nt	II	
42	Clouded Leopard	<i>Neofelis nebulosa</i>	I	VU	I	
43	Crab-Eating Macaque	<i>Macaca fascicularis</i>	I	LR/nt		
44	Dugong	<i>Dugong dugon</i>	I	VU	I	II
45	Fishing Cat	<i>Prionailurus viverrinus</i>	I	VU		
46	Golden Langur	<i>Trachypithecus geei</i>	I	EN	I	
47	Grizzled Giant Squirrel	<i>Ratufa macroura</i>	I	VU	II	
48	Himalayan Tahr	<i>Hemitragus jemlahicus</i>	I	VU		
49	Asian Elephant	<i>Elephas maximus</i>	I	EN	I	
50	Asiatic Lion	<i>Panthera leo persica</i>	I	CR	I	
51	Asiatic Wild Ass	<i>Equus onager</i>		VU	I	II
52	Lion-Tailed Macaque	<i>Macaca silenus</i>	I	EN	I	
53	Eurasian Lynx	<i>Lynx lynx</i>	I	NT		
54	Malabar Civet	<i>Viverra civettina</i>	I	CR	III	
55	Marbled Cat	<i>Pardofelis marmorata</i>	I	VU	I	
56	Himalayan Musk Deer	<i>Moschus chrysogaster</i>	I	LR/nt	I	
57	Black Musk Deer	<i>Moschus fuscus</i>	I	LR/nt		

58	Nilgiri Langur	<i>Semnopithecus johnii</i>	I	VU		
59	Nilgiri Tahr	<i>Nilgiritragus hyaerulus</i>	I	EN		
60	Argali (Tibetan Sheep)	<i>Ovis ammon hodgsoni</i>	I	VU	II	
61	Pallas Cat	<i>Orotocolobus manul</i>	I	NT		
62	Pygmy Hog	<i>Porcula salvanus</i>	I	CR	I	
63	Greater One-horned Rhinoceros	<i>Rhinoceros unicornis</i>	I	EN	I	
64	Rusty Spotted Cat	<i>Prionailurus rubiginosus</i>	I	VU	I	
65	Sloth Bear	<i>Ursus ursinus</i>	I	VU	II	
66	Takin	<i>Budorcas taxicolor</i>	I	VU	II	
67	Tiger	<i>Panthera tigris</i>	I	EN	I	
68	Ladak Urial	<i>Ovis vignei</i>	I	EN		
69	Wild Yak	<i>Bos mutus</i>	I	VU		
70	Wroughton's Free tailed Bat	<i>Otomops wroughtoni</i>	I	CR		
71	Salim Ali's Fruit Bat	<i>Latidans salimii</i>	I	EN		
72	Assamese Macaque	<i>Macaca assamensis</i>	I	VU		
73	Bengal Hanuman langur	<i>Semnopithecus entellus</i>		NT		
74	Central Himalayan langur	<i>Semnopithecus schistaceus</i>	I	LR/nt		
75	Dark-legged Malabar langur	<i>Semnopithecus hypoleucus</i>	I	DD		
76	Deccan Hanuman langur	<i>Semnopithecus entellus</i>		NT		
77	Himalayan grey langur	<i>Semnopithecus ajax</i>	I	CR		
78	Rhesus Macaque	<i>Macaca mulatta</i>		LR/nt		
79	Brown Palm Civet	<i>Paradoxurus jerdoni</i>	I	VU	III	
80	Hairy-footed Flying Squirrel	<i>Belomys pearsonii</i>	I	LR/nt		
81	Hodgson's Flying Squirrel	<i>Petaurista magnificus</i>	I	LR/nt		
82	Woolly Flying Squirrel	<i>Eupetaurus chereus</i>	I	EN		
83	Namdihapa Flying Squirrel	<i>Biswamoyopterus biswasi</i>	I	CR		

84	Parti-colored Flying Squirrel	<i>Hylapetes alboniger</i>		EN		
85	Indian Giant squirrel	<i>Ratufa indica</i>	I	VU	II	
86	Asiatic Black Bear	<i>Ursus thibetanus</i>	I	VU	I	
87	Long-tailed Marmot	<i>Marmota caudata</i>	I	LR/nt	III	
88	Niligiri Marten	<i>Martes gwatkinsii</i>	I	VU	II	
89	Common Otter	<i>Lutra lutra</i>	I	NT	I	
90	Brown mongoose	<i>Herpestes brachyurus</i>	I	VU	III	
91	Grey goral	<i>Naemorhedus goral</i>	I	LR/nt	III	I
92	Red goral	<i>Naemorhedus baileyi</i>	I	VU	I	
Reptiles						
93	Leather back turtle	<i>Dermochelys coriacea</i> Vandelli, 1761	I	CR	I	I(III)
94	Logger Head Turtle	<i>Caretta caretta</i>	I	EN		I(III)
95	Olive Ridley sea turtle	<i>Lepidochelys olivacea</i> Eschscholtz, 1829	I	EN		I/II
96	Central Asian cobra	<i>Naja oxiana</i> Eichwald, 1831	I	DD	II	
97	Malabar tree toad	<i>Pedostibes tuberculosus</i> Gunther, 1876	II	EN		
FISH						
98	Whale shark	<i>Rhincodon typus</i>	I	VU	II	
99	Knifetooth sawfish	<i>Anoxypristis cuspidata</i>	I	EN		
100	Gangetic shark	<i>Glyphis gangeticus</i>	I	CR		
101	Freshwater sawfish	<i>Pristis microdon</i>		EN		
102	Green sawfish	<i>Pristis zijsron</i>	I	EN		
103	Giant guitarfish	<i>Rhynchobatus djiddensis</i>	I	VU		
104	Porcupine ray	<i>Urogymnus asperimus</i>	I	VU		
105	Bear Paw Clam	<i>Hippopus hippopus</i>		LR/cd		
106	Small Giant Clam	<i>Tridacna maxima</i>		LR/cd		
107	Fluted Clam	<i>Tridacna squamosa</i>		LR/cd		
108	Bear Paw Clam	<i>Hippopus hippopus</i>		LR/cd		
109	Small Giant Clam	<i>Tridacna maxima</i>		LR/cd		
110	Fluted Clam	<i>Tridacna squamosa</i>		LR/cd		

Dumping of OB	-	42.230	4.490	2.311	49.051	-	-	-	49.051	
Mineral Storage	-	1.450	13.905	-	15.355	-	1.377	1.377	16.732	
Infrastructure	-	0.041	3.246	-	3.287	-	1.008	1.008	4.295	
Road	-	2.517	0.925	2.160	5.602	0.039	0.396	0.435	6.037	
Mineral Separation Plant (Crushing & Screening Unit and Slurry Pipeline).	0.070	4.897	22.46	-	27.427	0.140	0.216	0.356	27.783	
Proposed diversion of existing Nala.	0.630	1.596	1.140	0.652	4.018	0.004	0.128	0.132	4.150	
Area earmarked for Safety zone	1.456	7.966	7.982	3.975	21.379	0.303	1.876	2.179	23.558	
Sub-Total	30.657	71.242	83.666	9.118	194.683	9.262	20.310	19.572	214.255	
Sl. No.	Particulars	Forest Area (Ha.)				Non-Forest Area (Ha.)			Total Area (in Ha.)	
		R.F.	Rev. Forest	Forest as on 25.10.80	Treated Forest	Total	Govt.	Pvt.	Joint	
ii	Stage-II FC granted by MOEF & CC on dt.14.01.2005 and on dt.06.09.2011.	-	41,044	1,373	-	42,417	-	-	-	42,417
		-	89,737	5,261	-	95,000	-	-	-	95,000
		-	130,781	6,636	-	137,417	-	-	-	137,417
ii	Land utilised for public purposes	-	-	-	-	-	0.102	-	0.102	0.102
i	Untouched Area	-	-	-	-	-	0.552	5.622	6.184	6.184
Grand Total	30.657	202.023	98.502	9.118	332.100	10.726	15.932	26.158	354.258	
9.	Condition of Vegetation and type of forest in the applied area.	<p>The prevailing vegetation in the forest land proposed for diversion includes Sal and Sal associates. The geological formation of this area is quite suitable for growth of Sal. Sal constitutes around 70 to 75% of the top canopy.</p> <p>As per tree enumeration list the floral species found viz <i>Dalbergia sisoo</i>, <i>Shorea robusta</i>, <i>Pterocarpus marsupium</i>, <i>Gmelina arborea</i>, <i>Terminalia tomentosa</i>, <i>Anogeissus latifolia</i>, <i>Mangifera indica</i>, <i>Syzygium cumini</i>, <i>Diospyros melanoxylon</i>, <i>Brihelia retusa</i>, & Misc Species are present in the applied forest land.</p> <p>The applied Forest lands are coming in village Gunki, Panduliuposi, Rugudihi, Lahupada & Tapadihi and Sidhamath Reserved Forest under Barbil Tahasil of Barbil Range of Keonjhar Division. The wild elephants often visit Sidhamatha RF & adjoining forest block around the applied forest land for diversion. The average density taken into consideration is 0.5, ECO Class-I considering that of Sidhamath RF which has maximum coverage under medium dense Forest category (Canopy density 0.4-0.7) as per ORSAC supplied Forest block wise canopy density maps based on Forest Survey of India, State of Forest Report 2019</p>								

10	Position of Wildlife	The proposed site falls under elephant habitat zone- 2 as per the book titled "Remote Sensing Application for characterization of Elephant habitat and corridor in Odisha and parts of Bihar" published by ORSAC in September, 1999.
11	Whether the applied area involves any Eco-Sensitive Zone / National Park / Sanctuary.	The applied area does not involve any Eco-Sensitive Zone / National Park / Sanctuary but the movement of Elephant often noticed in buffer zone.
12	No. of trees to be felled and its impact on the eco-system.	There are 12015 nos. Sound tree standing on the forest land over 194.683 ha for diversion of forest land within Gushi Iron Ore Mines of M/s OMC Ltd of Keonjhar District. The species wise and diameter class wise abstract of total enumerated trees and trees required to be felled is enclosed as Annexure- XX.
13	Details of broken up land and reclamation done if any.	The User Agency has undertaken vide Annexure- XVI to abide the condition to be stipulated as regards reclamation of broken up areas in respect of submitted diversion proposal.
14	Position of displacement of people and adequacy of rehabilitation, if any.	The project may involve displacement of any human habitation as and when required and will be done as per Land Acquisition and Rehabilitation and Re-settlement Act, 2013.
15	Position of rare and endangered species available and importance of the applied area from archeological point of view.	No rare or endangered species is available in the applied area for diversion. There is no archaeological/ important monument situated in the area.
16	Non-forest land selected for Compensatory afforestation has been included in the D.L.C. report or not.	Not applicable
17	Suitability of the identified non-forest and/ degraded Forestland for Compensatory afforestation.	Non-forest land, equal in extent the forest land submitted for diversion over 194.683 ha under Sec 2(ii) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land over 194.683 ha in village Petuni under Pottangi Tahasil of Koraput District.
18	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	Sabik Kissem forest land over 38.00 ha used as dump by the previous lessee i.e. M/s R P Soc. Also Deepak Steel & Power Ltd had purchased around 800 ha land & established a steel plant in the said ML area turned out to be Sabik Forest land later. Boundary pillars of asking area in Sithanatha RF are not erected yet.


 Divisional Forest Officer,
 Keonjhar Division

Annexure-IX

ELEPHANT DEATH CASE FROM 2017-18 TO Feb-2023												
SL No.	Date of detection	Case No. (OR/UD)	Name of the Range	Place of occurrence	Forest	Elephant			Cause of Death	GPS Co-ordinate		
						Male	Female	Total		Latitude	Longitude	
1	2	3	4	5	6	7	8	9	10			
2017-18												
1	22.04.2017	U.D. Case No. 03T of 2017-18	Telkoti	Udayagiri Village		0	1	0	1	Septicemia	21 18 47	85 22 17.4
2	14.11.2017	U.D. Case No. 11K of 2017-18	Keonjhar	Near village Dumuria		0	1	0	1	Natural	21 27 27.4	85 34 9
Total						0	2	0	2			
2018-19												
1	21-11-2018	C.R. Case No- 52K of 2018-19	Keonjhar	Inside railway track pillar no-672, near village		0	1	0	1	Train accident	21 34 39.9	85 38 49.6
2	24.07.2018	U.D. Case no. 30h of 2018-19	Champua	Bameshahapur Near K.C. Pradhan Iron Ore Mines	Chamakpur KF	1	0	0	1	Septicemia	21 59 45.93	83 28 27.93
3	28.03.2019	U.D. Case no. 11ch of 2018-19	Champua	Near Harimata Chhak Mahasuradia	Mahaprabat DPF	0	0	1	1	Carrolli thorns is fighting among the male elephant & Female elephant	21 31 14.6	83 25 16.6
Total						1	1	1	3			
2019-20												
1	07.10.2019	UD Case No 58J of 2019-20	B/P	Inside Sunaiba KF	Sunaiba KF	0	1	0	1	Natural	21 32 44	83 29 32
2	19.02.2020	UD Case No. 7BJ of 2019-20	B/P	Inside Tarnakanta DPF	Tarnakanta DPF	0	0	1	1	Natural	21 37 27	83 26 24
3	23-08-2019	OR Case No. 30G of 2019-20	Chhatgaon	NH-20 near Village Bafijodi		0	2	1	3	Road Accident	21 22 51	83 55 33

09-04-2019	UD Case No. 1G of 2019-20	Ghatagwon	Inside Barabanku R.F	Barabanku R.F	0	1	0	1	27	43.7	55	46	15.1
Total					0	2	0	6					

2020-21

1	11-09-2020	U.D. Case No. 09K of 2020-21	Koonbar	Inside Barabank R.F	Barabanku R.F	0	0	1	21	6	85	58	32
Pressure impacts on heart & lungs													
2	05-05-2020	U.D. Case no. 2ch of 2020-21	Champua	Inside the Kasia R.F	Kasia R.F	Gender could not be ascertained	1	1	21	46	83.3	75	11.5
Gender could not be ascertained													
3	24-05-2020	U.D. Case no. 3ch of 2020-21	Champua	Near Champapur K.F	Champapur K.F	1	0	1	22	0	49.4	29	4.4
Acute myocarditis													
4	14-06-2020	D.R. Case 23ch of 2020-21	Champua	Inside Barabanku A.R.F	Barabanku A R.F	1	1	2	21	58	31.8	26	13.7
Electrocardio													
5	16-10-2020	U.D. Case No. 1B1 of 2020-21	BJP	Near village Madipani	Lamamanku R.F	0	1	1	21	42	32	21	49
Septicemia													
6	03-07-2020	U.D. Case no. 02BL of 2020-21		Inside Sitchamkhe R.F	Sichamkhe R.F	0	0	1	21	57	28.8	22	11.47
Respiratory Failure & shock arising from heavy pressure impacts on hearts & lungs													
Total					2	2	2	7					

2021-22

1	19-07-2021	UD Case No. 6BJ of 2021-22	BJP	Inside Babbo Groya jungle adjacent to kalandi DPF	Rishi Groya Jungle	0	1	1	21	40	34	85	19
Clostridium haemolyticum													
2	07-08-2021	UD Case No. 8BJ of 2021-22	BJP	Inside Suakori PRF near Talachimpai village	Suakori PRF	0	1	1	21	34	25	83	35
Clostridium haemolyticum													
3	10-08-2021	UD Case No. 9BJ of 2021-22	RIP	Inside Sarukodar R.F. near village Sarukodar	Sarukodar R.F	0	1	1	21	33	2	85	8
Clostridium haemolyticum													
4	08-12-2021	UD Case No. 12K of 2021-22	Koonbar	Near village Nodagar		0	1	1	21	35	34	85	13
Electrocardio													

By FAX

OFFICE OF THE PRINCIPAL CCF (WILDLIFE) & CHIEF WILDLIFE
WARDEN, ORISSA 5TH FLOOR, B.U.A. APARTMENT, PRAKRUTI BHAWAN
NILAKANTHA NAGAR, BHUBANESWAR-751012

Memo No. 321 dt. 17.01.09
1WL-G-FC-385/08

To

The Chief Conservator of Forests (Nodal),
O/o: PCCF, Orissa, Bhubaneswar.

Sub: Approval of Site Specific Wildlife Conservation Plan, Authentication of Location Map and the list of Flora & Fauna found in core zone and Buffer-zone of Guali Iron Ore Mines of Sri H.P. Sao.


Ref: Govt. of India, MOEF letter No. J-11015/1155/2007-IA (I/M) dt. 8.5.08.

In inviting a reference to the above mentioned subject, I am directed to inform you that the site specific wildlife conservation plan for Guali Iron Ore Mines of Sri R.P. Sao in the Keonjhar district of Orissa has been approved by the Principal CCF (WL) & Chief Wildlife Warden, Orissa for Rs 277 lakhs for activities both inside and outside the project area and the above scheme is to be implemented by DFO, Keonjhar with funding from the Project proponent. The approved Conservation Plan in two numbers along with authenticated location map of the project are enclosed herewith for necessary action at your end.


Conservator of Forests (WL)

Memo No. 322 dt. 17.01.09

Copy along with approved site specific wildlife conservation plan forwarded to DFO, Keonjhar Division for information & necessary action with reference to his Memo No. 4147 dt. 19.11.08 of CF, Rourakela Circle.


Conservator of Forests (WL)


Memo No. 323 dt. 17.01.09

Copy to C.F., Rourakela Circle for information & necessary action with reference to his Memo No. 4145 dt. 19.11.08


Conservator of Forests (WL)

Memo No. 324 dt. 17.01.09

Copy along with along with authenticated location map of the project and approved flora & fauna list forwarded to R.P. Sao, Mines Owner & Exporters, Al-New SBI, Joda, Bonaihela Dist, Keonjhar for information & necessary action with reference to his letter dated 15.1.2009


Conservator of Forests (WL)



सूचना विभाग
Phone (Direct): 011-2408-6000
टेलीफोन सहायक (ऑफिसर)
Toll-Free HOD : 011-2408-6696

Email: prashant@nic.in

Website: <http://www.nic.gov.in>



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग
Ministry of Environment, Forests & Climate Change



भारत प्राणी सर्वेक्षण

Zoological Survey of India
प्रतिमानागार

Prani Vigyan Bhawan

एमएलए, न्यू अहमदाबाद

WF Block, New Ahmedabad

अहमदाबाद, गुजरात-380015

S. No. 223/2022/ PROJECTS/21336

Date: 23rd December 2022

To
The Divisional Forest Officer
Keonjhar Territorial Division
Keonjhar, Odisha

Sub: Submission of project proposals reg:-

Greetings from Zoological Survey of India!

Sir,

I am sending herewith one proposal titled "Long-Term Ecological Research on Faunal Resources and vegetation ecology in the Kanpal-Rabena-Ranjigarh-Nagoda Reserve Forests of Keonjhar Territorial, Keonjhar WL, Dhenkanal and Cuttack Divisions, Odisha", for your kind consideration and necessary funding provisions.

Looking forward for a long-term collaboration in future.


Dr. Ramesh Chandra
(Director)



Project Proposal

Long-Term Ecological Research on Faunal Resources and vegetation ecology in the Kalapat-Rabena-Ranjagarh-Nagada Reserve Forests of Keonjhar Territorial, Keonjhar WL, Dhenkanal and Cuttack Divisions, Odisha

Project Coordinator

Dr. Dhriti Banerjee
Director
Zoological Survey of India

Divisional Forest Officer
Keonjhar (T) Forest Division

Project Principal Investigator

Dr. Pradyush P. Mohapatra
Scientist-E
ZSI, Kolkata (HQ)



Zoological Survey of India

(Ministry of Environment, Forests and Climate Change)
Reptile Section, FFS Building, Indian Museum Campus, Kolkata-700016, West Bengal

Long-Term Ecological Research on Faunal Resources and vegetation ecology in the Kalapat-Rabena-Ranjagarh-Nagada Reserve Forests of Keonjhar Territorial, Keonjhar WL, Dhenkanal and Cuttack Divisions, Odisha

**A joint collaborative Project by
Zoological Survey of India (MoEFCC, Govt. of India) and
Keonjhar (T) Forest Division (Government of Odisha)**

Project Coordinator

Dr. Dhriti Banerjee
Director
Zoological Survey of India

Divisional Forest Officer
Keonjhar (T) Forest Division

Principal Investigator: Dr. Pratyush P. Mohapatra, Scientist-E, ZSI, Kolkata

Duration of the Project: Three years

Total Budget: Rs. 2,67,12,000/- (Rupees Two hundred sixty-seven Lakhs Twelve Thousand only)

Long-Term Ecological Research on Faunal Resources and vegetation ecology in the Kalapat-Rabena-Ranjagarh-Nagada Reserve Forests of Keonjhar Territorial, Keonjhar WL, Dhenkanal and Cuttack Divisions, Odisha

Duration: 3 years

HIGHLIGHTS OF THE PROJECT

- A. Systematic and grid-based studies to establish baseline information on the major faunal groups in the landscape.
- B. Status of tiger, co-predators and meso carnivores in the study area.
- C. To understand the ecosystem functions in terms of species and community assemblages.
- D. Ecological and biological studies to evaluate the possible impacts of anthropogenic activities, and climate change as well as studies on drivers of ecological temporal variability at spatial and temporal scales.
- E. To quantify and map the ecosystem services and to understand people's dependency on biological resources.
- F. Status evaluation of threatened fauna and to develop strategies for conservation of rare, threatened and endemic faunal species distributed in the study area
- G. Vegetation Ecology with relation to faunal diversity

EXPECTED OUTCOMES

- A complete listing of major faunal groups including the lesser-known species.
- Participatory monitoring of biodiversity and creating a cadre to study and monitor the biodiversity in the landscape.
- Conservation and management plans for threatened fauna in the landscape.
- Address human-animal conflict through testing available scientific methods and field protocols and preparation of best-suited and site-specific SoPs to deal with HACs.

BACKGROUND

This proposal aims at addressing the research questions such as

- 1) How do species composition and relative abundance vary at a landscape level -- across habitats - along with elevation gradients at spatial and temporal scales?
- 2) What are the species that are best suited for long-term research in the study area, such as monitoring of population dynamics, demography, and geographical range shifts?
- 3) Which methods are efficient to detect trends in population parameters and range shifts?
- 4) What are the changing trends in the population and phenology of indicator species in each faunal group in response to variable environmental conditions such as anthropogenic activities, forest fire, and climate change?

The project envisages a holistic approach to document the extrinsic and intrinsic ecological factors in a diverse ecosystem vis-a-vis to bring out realistic and pragmatic action-oriented

deliverables through long-term studies at both species and community levels. The project aims at generating baseline data on species (fauna and Flora) diversity as well as monitoring important taxa relevant from a conservation point of view.

OBJECTIVES

- 1) To develop baseline data of vertebrates and invertebrates at a spatial scale across environmental gradients, habitats and ecosystems in the study area.
- 2) To understand the population dynamics and phenology of select species groups in the study region. The study will specifically focus on keystone species, pollinators, pests, species of medical importance, species of economic importance, threatened and endemic species, and species vulnerable to climate change.
- 3) To document the ecosystem function of the selected faunal groups in the study region and to identify indicator taxa sensitive to environmental changes including climate change.
- 4) To develop baseline data of flora

Taxa covered

- Mammalia
- Avifauna
- Herpetofauna
- Pisces (Sectional staff of ZSI Hqs)
- Arachnida (Scorpiones, Araneae and Acari) (OI Project Associate for collection and ecological study)
- Insecta (Orthoptera, Odonata, Lepidoptera, Coleoptera (Cerambycidae, Scarabaeidae), Hymenoptera (ants), Isoptera (termites), Hemiptera)
- Mollusca and Annelids
- Vegetation ecology

FAUNAL GROUPS, BRIEF SURVEY METHODOLOGY AND SCOPE OF THE STUDY

i. Mammalia

Survey methodology: Random sampling, sign survey, direct sighting, camera trapping, Sherman trap for rodents, mist netting for bats and photo documentation. Camera trap for lesser known species, PIP method for sign survey.

Scope of the study: Spatial distribution, occupancy, abundance information on lesser known mammals such as tiger, co-predators, ungulates, mesocarnivores, rodents and bats; habitat use by different species of mammals, documentation of various trapping methods used for poaching of mammals and its implications; devise action plans for mitigation of human-wildlife conflict; document traditional knowledge associated with various mammal species.

ii. Avifauna

Survey methodology: Random sampling/ Opportunistic bird sightings, Point Count, fixed route monitoring, acoustic survey, call playback and photo documentation.
Scope of the study: Spatial and temporal distribution of avifauna, mid-winter Waterfowl census, identification of key birding zones etc., status of threatened birds in the study area, recording migration time of migratory birds, diversity and the feeding guilds of birds in different habitat types, documentation of associated traditional knowledge in relation to avifauna.

iii. Reptilia

Survey methodology: Active search methods, visual encounter survey, adaptive cluster sampling, pitfall trap, photo documentation.
Scope of the study: Spatial distribution of reptile species in the TR, information on occupancy and abundance of species, distribution of potentially dangerous snakes in the human dominated landscape, incidences of human-snake conflict and mitigation measures, generation of biological and ecological data on various species of reptiles based on natural history observations, status of threatened species, threat assessment for vulnerable species, local migration and escaping strategies of reptiles and subsequent succession after fire incidents, influence of flood on reptile distribution, and documentation of traditional knowledge associated with the species.

iv. Amphibia

Survey methodology: Random sampling, visual encounter survey, active search methods, acoustic sampling during breeding season, photo-documentation.
Scope of the study: Population dynamics, breeding and life cycle of the selected amphibian species, generation of biological and ecological data on various species of reptiles based on natural history observations.

v. Pisces

Survey methodology: Netting.
Scope of the study: Distribution of species in various aquatic ecosystems such as rivers, ponds and hill streams.

vi. Arachnida: Scorpiones

Survey methodology: Random sampling using active search methods, UV light survey during night time, photo-documentation.
Scope of the study: Spatial distribution of scorpions in different habitats; associated traditional knowledge about scorpions; breeding and life-cycle of selected species; documentation of medically important species near human habitation.

vii. Arachnida: Araneae

Survey methodology: Direct collection/ hand-picking, active search method, photo-documentation.
Scope of the study: Diversity and distribution at spatial scale.

viii. Arachnida: Acari

Survey methodology: Direct collection/ hand-picking from bloodmeal hosts, flagging, dragging, CO₂ baiting, sweeping, and the use of human sentinels.

Scope of the study: During the reconnaissance survey many scorpions and geckos were found affected with mites. The study also aims at investigating free-living and parasitic ticks and mites affecting various animal groups; life cycle study of selected species; study on host specificity and understanding prevalence, mean intensity of infestation and host specificity of acari at a temporal and spatial scale.

ix. **Insecta: Orthoptera**

Survey methodology: Swiping, hand picking, light trap.

Scope of the study: Diversity and distribution of various species of orthoptera at spatial and temporal scales, their role in the food web, and species of economic importance.

x. **Insecta: Odonata**

Survey methodology: Swiping, hand picking, light trap.

Scope of the study: Diversity and distribution of various species of Odonata at spatial and temporal scales.

xi. **Insecta: Lepidoptera**

Survey methodology: Swiping, light trap.

Scope of the study: Diversity and distribution of various species of Lepidoptera at spatial and temporal scale, economically important species, and role as pollinators.

xii. **Insecta: Coleoptera**

Survey methodology: Swiping, light trap, pit-fall trap, baiting.

Scope of the study: Diversity and distribution of various species of Coleoptera at spatial and temporal scale; economically important species; role as decomposer; documentation of associated traditional knowledge.

xiii. **Insecta: Hymenoptera**

Survey methodology: Sweep-netting, Malaise trapping, yellow pan trapping, Night intercept trapping, light trap.

Scope of the study: Diversity and distribution of various species of hymenoptera at spatial and temporal scale; economically important species; documentation of associated traditional knowledge; species used for food.

xiv. **Insecta: Isoptera**

Survey methodology: Use of aspirator.

Scope of the study: Diversity and distribution of various species of Isoptera at spatial and temporal scale; economically important species; documentation of associated traditional knowledge; species used for food; role in the ecosystem and study on ecosystem services rendered by the termites in the forest ecosystem.

xv. **Insecta: Hemiptera**

Survey methodology: Sweep-netting, light trap.

Scope of the study: Diversity and distribution of various species of hymenoptera at spatial and temporal scale; economically important species; documentation of associated traditional knowledge, species used for food.

xvi. **Mollusca**

Survey methodology: Hand-picking, baiting, photo documentation.

Scope of the study: Diversity and distribution of various species of molluscs at spatial and temporal scale; economically important species; documentation of associated traditional knowledge.

xvii. **Annelids**

Survey methodology: Hand-picking.

Scope of the study: Diversity and distribution of various species of annelids at spatial and temporal scale; economically important species; documentation of associated traditional knowledge; documentation of parasitic annelids and their host-specificity, if any.

Additionally, other faunal groups will be collected for identification, as and when encountered.

DELIVERABLES

Baseline data establishment for monitoring at spatial and temporal scales for any future changes. Mostly the forest management plans lack information on lesser-known fauna and flora due to lack of expertise or because of the conservation biases towards the mega animals only. However, lower groups of fauna constitute a larger portion of species diversity and play remarkable ecological roles in the complex food webs as prey, predator and decomposer. Hence, the preparation of baseline information involving a multi-taxa approach is essential to understanding the actual dynamics of an ecosystem. In this work, baseline data on lesser known species and lower groups of fauna will be generated which will form the basis for monitoring the species at a spatial and temporal scale for any detectable changes in the future. A genetic database will be prepared for the selected faunal group to understand the genetic diversity, for population genetic studies and to understand the cryptic diversity in certain faunal groups.

Enriching management strategies. With an understanding of species richness, their microhabitat requirements (habitat suitability index) and identification of key habitats, the management strategies can be improved further.

Population dynamics, demography, life-history traits, phenology and behavior of select faunal species. For selected species, in-depth studies on population dynamics and demography information will be evaluated. Such information will serve as a key to understanding changes in population due to various environmental conditions such as forest fire, anthropogenic interventions and maybe climate change. Through community ecology studies various taxa-specific indices will be derived, which are key to understanding the ecosystem dynamics affected due to variable environmental changes. The project aims at understanding the community-level interactions among various faunal groups to unravel the complex inter and intra-species dependency in the ecosystem. For the selection of species, priority will be given to threatened species, keystone species, pollinators, pests, predators and invasive fauna if any.

Status of threatened fauna and preparation of species specific Conservation & Management Action Plan for species. This project is expected to bring out information on the status of the Threatened fauna distributed in the study area to prepare strategies and

Action Plans for their conservation and management. Relative frequency and relative abundance of fauna in different habitat types.

Documentation of Ecosystem services. Our understanding of ecosystem services rendered by various faunal groups is limited. Ecosystem services rendered by various taxa of fauna to be explored and categorized. This project aims at documenting the roles of various lesser-known taxa rendering such ecosystem services as pollinators, of food value, of medicinal importance, as decomposers etc. Studies on specific taxa (such as termites, ants etc.) and their role in the ecosystem will be explored through continuous monitoring.

Impact of fire on various faunal groups & recommendation of mitigation measures. Forest fire is known to have a deleterious impact on the ecosystem and it takes a toll on the ecosystem's health. In this study impact of fire will be recorded and mitigation measures will be recommended as outcomes of the research. SoPs and guidelines for fire management will also be one of the deliverables of the study.

Soundscape ecology by documenting temporal activities of birds, cicadas, crickets, etc. Recently, many studies have emphasized the use of automated sound records to understand forest dynamics by analyzing the soundscapes of taxa such as frogs, cicadas, crickets etc.

Establishment of site-specific SoPs and guidelines for wildlife monitoring and human wildlife conflict. The capacity building of frontline staff will help understand the ground realities of various human-wildlife conflict issues. In consultation and interactions with the frontline staff and officials in the study area, various site-specific SoPs will be developed to deal with the Human-wildlife conflict issues which can be field tested during the project period and can be replicated elsewhere in the state and country.

Opportunities for student internships and research on various aspects of wildlife research in Odisha and also the frontline staff. One of the important aims of the project is to develop second-line crusaders of skilled manpower to take up biodiversity conservation research in the state. By involving the students, researchers, and NGOs working in the field of biodiversity conservation in Odisha we can ensure the training and development of a knowledge network of skilled manpower.

Proposed Budget

Project Heads	Details	1 st year	2 nd year	3 rd year	Total
		INR in Lakhs			
1. Manpower*	Principal Project Associate 01 RA/ Post-Doctoral Fellow @ Rs49,000 pm (consolidated without HRA)	5.88	5.88	5.88	17.64
	Project Associate 06 nos. @ Rs.35000 per month (consolidated without HRA) 02 for vertebrates, 03 for invertebrate groups and 01 for vegetation ecology	25.20	25.20	25.20	75.60
	Project Assistants 07 nos. @ Rs.20000 per month (consolidated without HRA)	16.80	16.80	16.80	50.40
2. Travel Expenditure	TA & DA for the Investigators/ staff of ZSI for survey and Project follows	3.50	3.00	2.50	9.00
	Local Travel during the Project Duration (by hired vehicle & driver including fuel/ bike	5.00	5.00	5.00	15.00
3. Equipment and supplies	02 units of stereozoom microscopes with imaging facilities and associated operating system for field use sorting and study of specimens	10.00	0	0	10.00
	05 units of Laptops and accessories (printers) will be procured for data entry and analysis. Cost: Rs 60,000 per unit X 5 units = Rs. 3,00,000/-	3.00	0	0	3.00
	Two Digital SLR Cameras with macro lens and tele lens and camera accessories for photographic documentation. Cost: Rs 4,00,000	5.00	0	0	5.00
	Digital camera (05 units) and accessories. Cost Rs. 40,000 per unit X 5 units = Rs. 2,00,000/-	2.50	0	0	2.50
	Automatic Sound recorder (Three units) @ Rs. 1,00,000 per unit X 3 units = Rs.3,00,000/-	3.00	0	0	3.00

		Night vision binoculars (Two unit) @ Rs.80,000 per unit = Rs.1,60,000	1.70	0	0	1.70
		Setting up three mini Weather stations to record parameters such as Temperature, Humidity, Wind Speed, Wind Direction, Barometric Pressure, Solar radiation in Data Logger and soil testing kit	6.00	0	0	6.00
		Other minor field equipment (portable generator 02 sets, head lamps, torch lights, GPS, action cameras etc.) and safety gears @ Rs.3,50,000	2.00	1.00	0.50	3.50
4.	Consumables and Outsource Charges	DNA barcoding (outsourcing), Chemicals & glassware	4.00	4.00	4.00	12.00
		Establishment of Camps with logistic support from FI	3.00	3.00	3.00	9.00
5.	Publications, and Miscellaneous Charges	Designing and printing of reports and documents, posters, outreach materials: Article Processing charges for scientific publications, etc.	1.00	1.50	2.00	4.50
		Contingency, medical emergencies and other unforeseen expenditures	5.00	5.00	5.00	15.00
Total			102.58	70.38	69.88	242.84
			Overhead (10% of the total budget as per MOEFCC norms)			24.28
			Grand total			267.12

*As per the OM SR/S9/Z-05/2019, Govt. of India, Ministry of Science and Technology, DST dated 10th July 2020.

Justification of the budget

Principal Project Associate. The PPA is responsible for overall management of the project and will be stationed at the field site to undertake the study. He/she will be the key person to report to the DFO, Keonjhar Division, the Director, Zoological Survey of India and PI of the project. The PPA will be coordinating with the Project Associates and the Project Assistants for execution of the project. The Research Associate will be selected based on written test and interview conducted jointly by ZSI and the office of the DFO, Keonjhar.

Project Associate. Six Project Associates will be hired for the project (two for vertebrates, three for invertebrates and one for vegetation ecology), who will be carrying out the field

survey in different faunal group. They will be collecting specimens and will undertake ecological studies on selected groups. The Project Associates will be selected based on written test and interview conducted jointly by ZSI and the office of the DFO, Keonjhar.

Project Assistant. The role of Project Assistants will be to help the Research Fellows in data collection and will also be taking up some faunal groups for the study. The Project Assistant will be selected based on interview conducted jointly by ZSI and the office of the DFO, Keonjhar.

Equipment. Detailed in the Budget head.

All these items will be procured as per GoO/ GOI guidelines either by ZSI or by Office of DFO, Keonjhar. After completion of the project, the retention of the major items will be decided as per mutual agreement between ZSI and office of the DFO, Keonjhar forest Division.

After sanctioning of the project, a detailed Terms of Reference (ToR)/ Memorandum of understanding (MoU) will be signed between the Director of Zoological Survey of India and the DFO, Keonjhar Division (funding agency).

PLAN OF WORK AND TIME SCHEDULE

This field research is proposed to be carried out for 36 months from the date of signing of MoU (Memorandum of Understanding)/ToR (Terms of Reference) between the Zoological Survey of India and the Divisional Forest Officer, Keonjhar Territorial Division.

1-3 months: Recruitment of project staff, obtaining permission from the Chief Wildlife Warden, Odisha to undertake the survey, setting up a field base and other logistical arrangements, compiling and reviewing literature etc.

4 – 12 months: Survey and fieldwork, collection of baseline data, standardizing sampling techniques, selection of species in various taxa for detail monitoring and analysis of data.

13 -36 months: Ecological studies, data analysis, publication of data, report writing & submission of report.

ABOUT ZOOLOGICAL SURVEY OF INDIA

The Zoological Survey of India (ZSI) was established on 1st July, 1916 to promote survey, exploration and research leading to the advancement in our knowledge of various aspects of the exceptionally rich life of the erstwhile 'British Indian Empire'. The survey has its genesis in the establishment of the Zoological Section of the Indian Museum at Calcutta in 1875. By gradually strengthening its staff and expanding its research programme, the Survey has met the challenge of the past and is on its way to meeting the demands of the future. It has maintained its primary objectives unchanged from its inception. Initially, the Survey acquired Zoological collections of more than a century old from former Museum (1814 -1875) of the Asiatic Society of Bengal and the Zoological Section of the Indian Museum (1875-1916) in Calcutta. With the increasing interest in the life sciences and with the advent of country's Five Year Plans, the expansion programme of the survey was initiated. The Survey has established so far 16 Regional and Field Stations and has developed into a major National Institution. It functions as the guardian of the National Zoological Collections, containing over a million identified specimens from all animal groups ranging from Protozoa to Mammals. Extensive and intensive field explorations are undertaken by the Survey in different parts of the country for the studies of fauna, systematic zoology, animal ecology, wildlife and zoogeography, animal behavior, animal population and also marine fauna and the results of the explorations and research are published in its own journals as well as National and International periodicals of repute regularly. ZSI works in an integrated approach to zoological investigations, to have more purpose-oriented research comprising biological, cytotaxonomic, and ecological aspects. However, taxonomy continues to occupy a prominent role. There is an increasing interest in matters about animal life on the part of the public, and a constant stream of inquiries continues to pour in, reflecting public confidence in the Institute. The department has never lacked a constant succession of distinguished Zoologists. The institution has 16 regional centres positioned in different biogeographic zones of India. Other than surveys and explorations, the Zoological Survey of India is actively involved in status evaluation of Indian fauna, policy framing and conservation of threatened fauna. ZSI has also developed its own species geospatial monitoring platform (GROFAUNA) for documenting and monitoring species during field surveys.





OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 05766-254315, email ID- dfo.keonjhar@odisha.gov.in

No. 9741 /SR-Mining-16/2021
Dated/Keonjhar, the 31 August, 2023

To

The Executive Director (I&E),
M/s OMC Ltd., CMFC House,
Bhubaneswar.

Sub: Approval of Site Specific Wildlife Conservation Plan for Guali Iron Ore Mines at villages Guali, Panduliposi, Topodahi, Ruguchi, Sidhamatha RF in Barbil Tahasil, Keonjhar District, Odisha of M/s OMC Ltd.

X-Sub: Demand of scheme funds towards approved Site Specific Conservation Plan.

Ref: Memo No. 8781 dt. 10.08.2022 of Principal Chief Conservator of Forests, (WL), CWLW, Odisha, Bhubaneswar.

Sir

With reference to the aforementioned memo on the captioned subject, this is to intimate that, the Principal Chief Conservator of Forests, (WL), CWLW, Odisha, Bhubaneswar has approved the Site Specific Conservation Plan in respect of Guali Iron Ore Mines M/s OMC Ltd. at villages Guali, Panduliposi, Topodahi, Ruguchi, Sidhamatha RF in Barbil Tahasil, Keonjhar District, Odisha with a financial outlay of Rs. 381.894 lakh. Hence, you are requested to deposit the said approved amount of Rs. 381.894 lakh (Rupees three crore eighty-one lakh eighty-nine thousand four hundred) only towards scheme for Site Specific Wildlife Conservation Plan through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end. Further, it is intimated that the PCCP (WL) has imposed the following conditions at the time of aforesaid approval which has to be abided by the User Agency.

- Activities in the project area as per Chapter- IV & VI of the Plan will be executed by the project proponent under the guidance of DFO, Keonjhar (T) Division.
- The plan period is five years and will be revised by DFO at least one year before expiry of its implementation. The User Agency will bear the cost of such plan on its approval. Further, the User Agency will bear additional cost, if any, towards enhancement of wage rate and escalation of price of materials at the time of implementation of this plan. In case of any deviation, it will be delay as per law for violations of Forest (Conservation) Act, 1980, Environmental (Protection) Act, 1986, and Wildlife Protection Act, 1972.

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

PFO


29/8

Memo No. 9742 / Dated. 31-08-2023

Copy forwarded to The Divisional Forest Officer, Bonai Division for favour of kind information and necessary action.

11/11/23

31/08/23
Divisional Forest Officer,
Keonjhar Division.

Memo No. 9743 / Dated. 31-08-2023

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle for favour of kind information and necessary action.

29/8


21/08/23
Divisional Forest Officer,
Keonjhar Division.

Memo No. 9744 / Dated. 31-08-2023

Copy forwarded to the Principal Chief Conservator of Forests, Forest Division and Nodal Officer, PC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Principal Chief Conservator of Forests, (WL), CWLW, Odisha, Bhubaneswar for favour of kind information and necessary action.

29/8


31/08/23
Divisional Forest Officer,
Keonjhar Division.
29/8

11/11/23



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06768-254313, email ID- dfo.keonjhar@odisha.gov.in

No. 9741 /SP-Mining-16/2021
Date: Keonjhar, the 31st August, 2023

To

The Executive Director (F&E),
M/s OMC Ltd., OMC House,
Bhubaneswar.

Sub.

Approval of Site Specific Wildlife Conservation Plan for Guali Iron Ore Mines at villages Guali, Panduliposi, Topodih, Rugudih, Sidhamatha RF in Barbil Tahasil, Keonjhar District, Odisha of M/s OMC Ltd.

X-Sub:

Demand of scheme funds towards approved Site Specific Conservation Plan

Ref

Memo No. 8781 dt. 10.03.2022 of Principal Chief Conservator of Forests, (WL), CWLW, Odisha, Bhubaneswar.

Sir

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Yours faithfully,


31/08/23
Divisional Forest Officer,
Keonjhar Division.

PTO

29/8

Memo No. 9742 / Dated. 31-08-2023

Copy forwarded to The Divisional Forest Officer, Bonai Division for favour of kind information and necessary action.

11/11/23
31/08/23

Divisional Forest Officer,
Keonjhar Division.

Memo No. 9743 / Dated. 31-08-2023

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle for favour of kind information and necessary action.

31/08/23

Divisional Forest Officer,
Keonjhar Division.

Memo No. 9744 / Dated. 21-08-2023

Copy forwarded to the Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Principal Chief Conservator of Forests, (WL), CWLW, Odisha, Bhubaneswar for favour of kind information and necessary action.


31/08/23

Divisional Forest Officer,
Keonjhar Division.

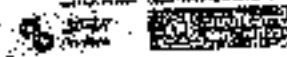
29/8

29/8

AGENCY COPY



 युनियन बैंक ऑफ इंडिया



NEFT/RTGS CHALLAN for CAMPA Funds

Date : 03-01-2024

Agency Name.	ODISHA MINING CORPORATION LTD
Application No.	58140713297
MoEFTSG File No.	2-061996-FC (PT-I)
Location.	ORRISA
Address.	OMC House Khordha
Amount(in Rs)	38189400/-


Amount in Words (Three Crore Eighty-One Lakh Eighty-Nine Thousand Four Hundred Rupees Only)

NEFT/RTGS to be made as per following details:


Beneficiary Name:	ORRISA CAMPA
IFSC Code:	ORIN0986335
Pay to Account No.	1504258140713297 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCB Centre, 21st, III Floor, Jeeva Towers, Mission Road, Bengaluru-560027

This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY



 युनियन बैंक ऑफ इंडिया



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This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note: After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcbsb@unionbankofindia.bank, epuree@unionbankofindia.bank, ubinc903710@unionbankofindia.bank

UBINS 2400 8536142

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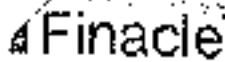
Sandhya
3/1/2024

Dr. Sandhya Mishra
Addl. G.M. (F&E)
OMC Ltd.



S. Mohapatra
08/01/2024

S. Mohapatra
Addl. General Manager (Fin)
OMC Ltd.



Universal Banking Solution from Infosys

11 January, 2024 | User: PM760550 | 1059 | Menu Shortcut: [] .G

Transactions Inquiry

Function	Inquiry	Initiating SQL ID	10591
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Transaction Date	09-01-2024	Transaction Remarks	NEFTICT001207598236
User Transaction Code			

Transaction Status: VERIFIED

Part Transaction Type: Debit Credit Record 1 of 1

Ac. ID *

Rel. CCY/Amt *

Treasury Ref. No./Rate

Transaction Particulars Code

Instrument Type

Instrument Date

Send Office Transaction Type

Charge Event ID

Ref. No.

Remarks 1

User Part Transaction Code

Transaction For Non Customer *

Is Transaction Conductor Owner of Ac. Yes No

Transaction Beneficiary ID

STR CCY/Amt.

Send Details

INR 10591 ODISHA MINING CORPORA

Rate Code/Date

Acct. In A/c. CCY

Transaction Particulars

Instrument Alpha/Srt No.

Value Date/General Ledger Date *

Print Advice Online Batch None

Report Code

Good Temporary Overdraft Yes No

Remarks 2

Status

Is Transaction Conductor Owner of Ac. and Beneficiary of Transaction Yes No

Transaction Conductor ID

Source of Funds

Intended Use of Funds

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Restore Values	<input type="checkbox"/>		
Options	<input type="text" value="SELECT"/>	<input checked="" type="checkbox"/>	<input type="text" value="Go"/>
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Effective Available Balance	INR 19,28,22,212.50	C:	Shadow Balance INR 0.00 C:
Ac. Status	Active		Mode of Operation AUTHORIZED SWG
Customer Status	OTHERS		Preference Language Code
General Ledger Subhead Code	110011		
Entered Debit/Credit	1/1		Posted Debit/Credit 1/1
Total Part Transaction Entered/Posted	2/2		Part Transaction Deleted 0
Part Transaction Verified	2		Part Transaction Purged 0

STR Details

Send Customer Details

Acct Customer Details



Warning: Bank Branch Selection from Inhibits

11 January, 2024 | User PM786558 | 10591 | Menu Shortcut: C

Maintain Payment Order

Function	I - Inquire	Payment Order ID :	001207598236
SOL ID :	10591	Transaction Type	Transfer
Payment Order Status	P - Processed	IN/Del Indicator :	Default

Payment Order	Reimbursement Details	Additional Details	Error Log	Memo	Outward Message
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Help

Ordering Party

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Local Bank Code	<input type="text"/>	Address Line 1	OMC HOUSE UNIT 5 BHUBANESWAR
Name	ODISHA MINING CORPORATION LTD	Address Line 3	AR ODISHA, INDIA 751001
Address Line 2	ORISSA BHUBANESWAR ODISHA BHU	Party Code	<input type="text"/>
Country	IN		
	INDIA		

Ordering Institution

Address Type	G - BIC	BIC	UIBMMR10592
Bank Code	046	Branch Code	810352
Local Bank Code	<input type="text"/>	Ac. ID	<input type="text"/>
Name	OMC CAMPUS	Address Line 1	OMC CAMPUS
Address Line 2	BHUBANESWAR	Address Line 3	BHUBANESWAR
Country	<input type="text"/>		

Sender's Correspondent

Address Type	Select	BIC	<input type="text"/>
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Local Bank Code	<input type="text"/>	Ac. ID	<input type="text"/>
Name	<input type="text"/>	Address Line 1	<input type="text"/>
Address Line 2	<input type="text"/>	Address Line 3	<input type="text"/>
Country	<input type="text"/>		

Receiver's Correspondent

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Local Bank Code	<input type="text"/>	Ac. ID	<input type="text"/>
Name	<input type="text"/>	Address Line 1	<input type="text"/>
Address Line 2	<input type="text"/>	Address Line 3	<input type="text"/>
Country	<input type="text"/>		

TRF		BIC	<input type="text"/>
Address Type	Select	Branch Code	<input type="text"/>
Bank Code	<input type="text"/>		

Local Bank Code

Name

Address Line 2

Country

Ac. ID

Address Line 1

Address Line 3

Sender BIC

Channel

Local Bank Code

MIRN

UTR Number:

PK

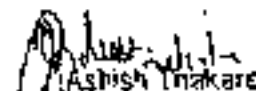
GOVERNMENT
of Odisha
Office of the District Collector, Keonjhar
No. 3782 (Rev) Dt. 21/10/2022

TO WHOMSOEVER IT MAY CONCERN


In compliance of the Ministry of Environment and Forests, Government of India's letter No. 11900/1-E(I) dt 27 August, 2003 and the guidelines on submission of evidences for having initiated and completed settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (FRA) by State in the forest land proposed to be diverted for non-forest purposes, it is certified that 332.100 Ha. of forest land proposed to be diverted in favour of M/s. O.M.G. Ltd. for Iron Ore Mining in Grams: Rajpada and Sidhamali R.F. under Barbil Tahasil in Keonjhar District.

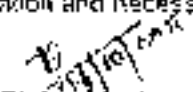
It is further notified that

- 1. The complete process of identification and settlement of rights under the FRA has been completed for the entire 332.100 Ha. of forest land proposed for diversion. A copy of the report of consultations and meetings of Gram Sabha, Sub-Division Level Committees, District Level Committee are enclosed as annexure-1 to annexure-13.
- 2. The proposal for such diversion (with full details of the project and its implications in Odia and English language) have been placed before each concerned Gram Sabha of forest dwellers who are eligible under the FRA.
- 3. The Gram Sabha of concerned Gram Sabha has certified that all formalities/processes under the FRA have been carried out and that they have given their consent to the proposed diversion and the compensation and ameliorative measures if any, having understood the details and the details of proposed diversion. Copy of Gram Sabha Resolutions are enclosed as annexure-3, 4, 5, 6 & 7.
- 4. The discussion and decisions on such proposals had taken place only when there was a quorum (minimum 50% of the members of village present).
- 5. No such orders envisaged by Government regarding diversion of forest land under 2006 of Forest Rights Act, 2006 exist over the forest land proposed for diversion.
- 6. The rights of Primitive Tribal Groups and Pre-Agricultural Communities, where applicable has been effectively safeguarded as per section 311(e) of the FRA.


(Ashish Thakare)
Collector, Keonjhar

Memo No. 3782 (Rev) Dt. 21/10/2022
Copy of Certificate alongwith its enclosures (Annexure-1 to 13) forwarded to the Divisional Forest Officer, Keonjhar for information and necessary action.

DCW(FRE)

21/10


Adj. District Magistrate,
Keonjhar

INTEGRATED TRIBAL DEVELOPMENT AGENCY: KEONJHAR
ST & SC Development Department, Govt. Of Odisha
Ph.91-6766-255568, E.Mail-keonjharitda@gmail.com

No. 1586 ITDA(K)/Date 22.09.2022

To

The Collector & District Magistrate,
Keonjhar.

Sub Issue of Certificate ensuring compliance of STs & OTFDs (RFR) Act, 2006 in respect of Forest land measuring 332.100 Ha. involved in Guali Iron Ore Mining Lease in favour of OMC Ltd.

Ref: District Office Letter No. 1064/Rev. Dated. 14.07 2021.

Sir,

In inviting a reference to the letter on the subject cited above, the DLC on Forest Rights in their meeting held on 03.09.2022 have approved the diversion proposal of OMC Ltd for issuance of Certificate ensuring compliance of STs & OTFDs (RFR) Act, 2006 in respect of forest land measuring 332.100 Ha. in favour of User's Agency.

For this purpose, I am to submit herewith the following documents for taking further necessary action at your end.

Sl. No.	Name of the Document	No. of Page
1	Copy of proceedings of DLC dtd. 14.07 2022	04
2	Copy Letter and proceedings of SDLC, Champua, Form-II in original & other related documents (in original)	43
3	Original Gram Sabha proceedings & maps	264
TOTAL		311

Yours faithfully,

Enclosure. - As above (311 PAGES)

Memo No. 1587 ITDA(K)/Date 22.09.2022

Copy forwarded to the Sub Collector-cum-Chairman, SDLC, Champua for information and necessary action.

Project Administrator, ITDA
Keonjhar-cum-District Nodal Officer, FRA

PROCEEDINGS OF THE DISTRICT LEVEL COMMITTEE MEETING ON FOREST RIGHTS HELD ON
03.09.2022 AT 11.00 AM IN THE MINI CONFERENCE HALL OF COLLECTORATE, KEONJHAR

The District Level Committee meeting on Forest Rights was held on 03.09.2022 at 11.00 AM in the Mini Conference Hall of Collectorate, Keonjhar. The meeting was chaired by the Collector-cum-Chairman, District Level Committee on Forest Rights. The meeting was attended by the following members.

1. Sri Ashish Thakara, IAS -Collector-cum-Chairman, DLC, FRA
2. Sri Jadumani Mohala, OAS(S) -Additional District Magistrate (Rev), Keonjhar-cum-Supervision Officer, FRA
3. Sri Dhanraj H.D., IFS -Divisional Forest Officer, Keonjhar Division
4. Sri Abhay Kumar Dalai-OFS(A)(SB)-DFO(W), Anandapur
5. Sri Ratha Munca -Zilla Parishad member
6. Sri Budhadev Mahakud -Zilla Parishad member
7. Smt. Shantitara Rana -Zilla Parishad member
8. Sri Tapen Kumar Naik, OAS(SB) -PA, ITDA, Keonjhar-cum-Nodal Officer, FRA
9. Sri Pradyumna Ku. Dasli, (GWS) -DWO, Keonjhar

The Nodal Officer, FRA, Keonjhar extended a warm welcome to the member present on behalf of the Chair and initiated the discussion agenda wise, inviting the opinion of the members present.

1) Confirmation of Proceeding of the D.L.C. meeting held on 14.07.2022

The proceedings of the last D.L.C. meeting held on 14.07.2022 was communicated to all the members vide Memo No.1261/ITDA(X) dt.19.07.2022. No objection received from any quarter. So, the Committee consented to approve the said proceeding.

The DLC proceeding dt.14.07.2022 is approved.

T. Prasad
08/09/22

2) Diversion of forest land for non-forest activities -issuance of Certificate under FRA, 2006

The following diversion proposals have been received for diversion of forest land for non-forest activities- Issuance of certificate there of:

Sl. No	Name of the User Agency	Purpose	Name of the Tahasil	Area
A	M/s. Tata Steel Ltd	For construction of Utility Corridor for Khondbandh Project	Barbil	17.836 Ha.
B	OMC Ltd	For Mining purpose -Goali Iron Ore Mining Lease	Barbil	332.106 Ha.
C	M/s. DMECL	For Mining purpose i.e. establishment of Iron Ore Grinding and beneficiation unit and establishment of intake well and Water pumping station - Kengalbeda (Nt) Iron Ore Mining Lease	Barbil	24.203 Ha.

(A) M/s. Tata Steel Ltd.:-

The User Agency M/s. Tata Steel Ltd has applied for diversion of 17.836 Ha. of forest land under Barbi Tahasil for non-forest activity i.e. construction of Utility Corridor for Khondbandh Project, the Collector, Keonjhar vide District Office letter No.139/Rev.d1.28.01.2019 had directed the Project Administrator, ITDA, Keonjhar-cum-District Nodal Officer, FRA to enquire into the case on settlement of rights under FRA in the forest area involved in proposed area of the project and submit the findings in the prescribed format within the stipulated period.

The PA, ITDA, Keonjhar had forwarded the proposal to the Tahasildar, Barbil vide letter No.246/ITDA(K)/dtd.05.02.2019 and in subsequent memo to the BDO, Joda for necessary enquiry into the matter on settlement of rights under FRA in the forest area and submit the report along with FORM-I (for linear project) to the SDLC, Champua.

The Sub-Collector, Champua-cum-Chairman, SDLC has submitted the report after due approval by SDLC dtd. 02.08.2022 in respect of 17.836 Ha. of forest land under Barbil Tahasil for construction of Utility Corridor for Khondbandh Project along with FORM-I (for linear project) of Tahasildar, Barbil.

The DLC examined the reports of the said proposal and consented to approve for issuance of FRA certificate in respect of area 17.836 Ha. in favour of the user agency M/s. Tata Steel Ltd.

[Handwritten Signature]

(B) M/s. OMC Ltd.:-

The User Agency the OMC Ltd has applied for diversion of 332.100 Ha. of forest land for non-forest activity i.e. for mining purpose in Guali Iron Ore Mining Lease. The Collector, Keonjhar in District Office letter No 1054/Rev dtd.14.07.2021 had directed the Project Administrator, ITDA, Keonjhar-cum-District Nodal Officer, FRA to enquire into the case on settlement of rights under FRA in the forest area involved in proposed area of the project and submit the findings in the prescribed format within stipulated period.

The PA, ITDA, Keonjhar had forwarded the proposal to the BDO, Joda vide letter No.1505/ITDA(K)/Dtd.16.08.2021 and subsequent memo to the Tahsildar, Barbil for necessary enquiry into the matter on settlement of rights under FRA in the forest area and to obtain the consent of the Gram Sabha in light as observed by the Secretary, MoTA, Government of India and submit the report to the SDLC, Champua.

The Sub-Collector-cum-Chairman, SDLC, Champua has submitted the report after due approval in SDLC dt. 12.07.2022 in respect of 332.100 Ha. of forest land proposed to be diverted for mining activity of Guali Iron Ore Mining Lease in village Rugudihi, Laidapada, Topadihi, Guali, panduliposi and Sidhamatha R.F under Barbil Tahasil. The Gram Sabha proceedings of Rugudihi, Laidapada, Topadihi, Guali, panduliposi was received for 332.100 Ha. in total of forest land for non-forest purpose.

The DLC examined the reports of the said proposal and consented to approve for issuance of FRA certificate in respect of area 332.100 Ha. in favour of the user agency M/s. OMC Ltd.

(C) M/s. Odisha Mineral Exploration Corporation Limited (OMECL):-

The User Agency the Odisha Mineral Exploration Corporation Limited (OMECL) has applied for diversion of 24.203 Ha. of forest land for non-forest activity i.e. for mining purpose in i.e. establishment of Iron Ore Grinding and beneficiation unit and establishment of intake well and Water pumping station - Rengalbeda (NE) Iron Ore Mining Lease. The Collector, Keonjhar in District Office letter No 147/Rev dtd.08.02.2021 had directed the Project Administrator, ITDA, Keonjhar-cum-District Nodal Officer, FRA to enquire into the case on settlement of rights under FRA in the forest area involved in proposed area of the project and submit the findings in the prescribed format within stipulated period.

The PA, ITDA, Keonjhar had forwarded the proposal to the BDO, Joda vide letter No.773/ITDA/Dtd.20.04.2021 and subsequent memo to the Tahsildar, Barbil for necessary enquiry into the matter on settlement of rights under FRA in the forest area and to obtain the consent of the Gram Sabha in light as observed by the Secretary, MoTA, Government of India and submit the report to the SDLC, Champua.

7

The Sub-Collector-cum-Chairman, SDLC, Champua has submitted the report after due approval in SDLC dt. 12.07.2022 in respect of 24.203 Ha. of forest land proposed to be diverted for mining purpose i.e. establishment of Iron Ore Grinding and beneficiation unit and establishment of intake well and Water pumping station - Rengaliada (NE) Iron Ore Mining Lease In village Ganchalpada and Nuagaon under Barbil Tahasil. The Gram Sabha proceedings of Ganchalpada and Nuagaon was received for 24.203 Ha. in total of forest land for non-forest purpose.

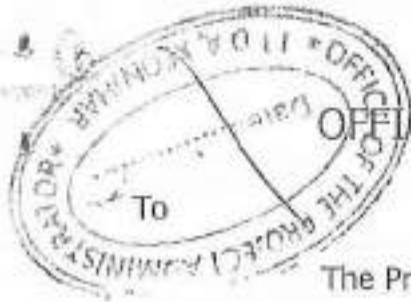
The DLC examined the reports of the said proposal and consented to approve for issuance of FRA certificate in respect of area 24,203 Ha. in favour of the user agency M/s. Odisha Mineral Exploration Corporation Limited (OMBCL).

The meeting ended with a vote of thanks to the Chair and the members present for their consent.


Project Administrator
ITDA, Keonjhar


Additional District Magistrate (Rev.)
Keonjhar


Sub-Collector-cum-Chairman
DLC, FRA, Keonjhar



Email-subcollectorchampua@gmail.com

OFFICE OF THE SUB-COLLECTOR, CHAMPUA

No. 4615 /Dt. 19.7.2022



The Project Administrator, I.T.D.A, Keonjhar-Cum-Nodal Officer, FRA.

Sub: -

Issue of Certificate ensuring compliance of STs & OTFDs (RFR) Act, 2006 in respect of Forest land measuring 332.100 Ha. involved in Guali Iron ore Mining lease in favour OMC Ltd.

Ref: -

Memo No. 1507/ITDA(K)/Dt. 16.08.2021 of P.A, ITDA, Keonjhar

Sir,

In inviting a reference to the letter on the subject cited above, I am to send herewith the joint inquiry report in Form No.II for issue of Certificate ensuring compliance of STs & OTFDs (RFR) Act, 2006 in respect of Forest land measuring 332.100 Ha. involved in Guali Iron ore mining lease in favour OMC Ltd. under Barbil Tahasil, Dist- Keonjhar. The said proposal is duly recommended by SDLC held on dt. 12.07.2022.

The joint verification report in the prescribed format is enclosed herewith for taking necessary action at your end.

Yours faithfully

End: - As above

Sub-Collector-cum-Chairman,
SDLC, Champua.

MINUTES OF DISCUSSION IN THE SDLC (FOREST RIGHTS) CHAMPUA HELD ON 12.07.2022 AT 3 PM IN THE OFFICE CHAMBER OF THE SUB-COLLECTOR-CUM-CHAIRMAN, SDLC, CHAMPUA.

Members present: - (Attendance enclosed)

1. Sub-Collector-cum-Chairman, SDLC, Champua.
2. Forest Range Officer, Champua
3. Tahasildar, Jhumpura
4. Gyana Ranjan Khuntia, PS Member, GP Birikala, Block Joda
5. Smita Naik, PS Member, GP Padua, Block Champua
6. Chandra Mohan Naik, PS Member, GP Karanjia, Block Champua
7. ADWO, Champua
8. W.E.O, Champua
9. W.E.O, Jhumpura
10. FRA, Co-ordinator, Champua Sub-Collector Office
11. FRA, Co-ordinator, Barbil Tahasil
12. FRA, Co-ordinator, Jhumpura Tahasil
13. FRA, Amin, Champua Tahasil
14. FRA, Amin, Jhumpura Tahasil
15. FRA, Amin, Barbil Tahasil

The Sub-divisional Level Committee meeting was held on 12.07.2022 at 3 PM in the Office Chamber of the Sub-Collector, Champua under the Chairmanship of Sub-Collector -cum-Chairman, SDLC Champua.

At the outset, the Sub-Collector-cum-Chairman, SDLC welcome all members/ invitees and sought their active co-operation in implementation of the scheme i.e. ST & Others Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006. The following discussions were made as per agenda.

Agenda No.1:- Diversion of Forest Land for Non Forest Purpose:-

A. Approval of Diversion Proposal submitted by OMC Ltd :-

Diversion of 332.100 Ha. of forest land involved in Guali Iron Ore Mining Lease in favour of OMC Ltd.

The ADWO, Champua presented one number of non Linear Project for diversion of forest land for non forest activities.

OMC Ltd applied for NOC model Certificate from the Collector, Keonjhar in respect of Forest Land measuring 332.100 Ha. proposed to be diverted for mining activity of in Guali Iron Ore Mining Lease in village Rugudihi, Laidapada, Topadihi, Guali, Panduliposi and Sidhamatha R.F. under Barbil Tahasil. The details of the forest land covered under Barbil Tahasil is given below.

LAND SCHEDULE OF FOREST AREA OF 332.100 HA. INVOLVED IN VILLAGE RUGUDIHI, LAIDAPADA, TOPADIHI, GUALI, PANDULIPOSI PROPOSED TO BE DIVERTED FOR GUALI IRON ORE MINING IN FAVOUR OF OMC LTD. UNDER BARBIL TAHASIL, CHAMPUA SUB DIVISION OF KEONJHAR DISTRICT, ODISHA.

ABSTRACT OF THE LAND SCHEDULE OVER 332.100 HA OF FOREST LAND AS PER HAL & SABIK RECORD					
FOREST LAND IN HECT.					
NAME OF THE VILLAGE	R.F	REVENUE FOREST	FOREST LAND AS ON 25.10.1980(SABIK)	TREATED FOREST	TOTAL
GUALI	Nil	50.356	7.008		57.364
LAIDAPADA	Nil	-	3.372	-	3.372
PANDULIPOSI	Nil	43.158	5.778	9.118	58.054
RUGUDIHI	Nil	4.666	0.324		4.99
IAPADIHI	Nil	103.843	73.820		177.663
SIDHAMATHA R.F	30.557				30.557
TOTAL	30.657	202.023	90.302	9.118	332.100

The detail land schedule is attached in annexure -I .

FORMAT- II

A) For Revenue Forest Land (Forest Right Claims)

Moza	Name of the claimant under F.R Act	Khata No	Plot No.	Area	Whether approved in FRC	Whether approved in SDLC	Whether approved in Dist. Level Committee	Remarks
Rugudih	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Laidapada	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Topadihi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Gual	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Upendra Naik	71	3/301/1	Ac.2.000	Yes	Yes	Yes	Such claims does not residing over the proposed land
	Mangulu Naik	71	3/6/3	Ac 0.660	Yes	Yes	Yes	
	Sahadeb Naik	71	3/8	Ac 0.590	Yes	Yes	Yes	
			3/300/1	Ac 0.390	Yes	Yes	Yes	
Panduliposi	Profulla Naik	71	3/7	Ac.0.680	Yes	Yes	Yes	
			3/300/2	Ac 0.300	Yes	Yes	Yes	
			301/2	Ac 0.920	Yes	Yes	Yes	
	Aijuna Naik	71	3/10	Ac 0.440	Yes	Yes	Yes	
	Bhima Naik	71	3/11	Ac 0.720	Yes	Yes	Yes	

Dasarathi Naik	71	3/1	Ac 0.130	Yes	Yes	Yes
Kalandhi cheran Naik	71	3/2	Ac 0.300	Yes	Yes	Yes
Dasarathi Naik	71	3/3	Ac 0.130	Yes	Yes	Yes
Golha Naik	71	3/4	Ac 0.900	Yes	Yes	Yes
Jayatrimaye mahapatra	71	3/12	Ac 0.650	Yes	Yes	Yes
Rabindra kumar Naik	71	3/9	Ac 0.450	Yes	Yes	Yes
Bhujabala Naik	71	3/5	Ac 0.280	Yes	Yes	Yes

Verified by the BDO Joda, WEO, Joda & Forest Range Officer, Darbil & Tahasildar, Barbil certified that there are 13 nos of IFR claims of ST people exists in village Pandulposi which are not being affected.

They have also informed that there is no PVTG & PAC in the affected area/ the area proposed on alignment of diversion of forest land.

The P.A, ITDA, Keonjhar vide his letter No. 1505/ITDA(K)Dt. 16.08.2021 requested BDO, Joda & Tahasildar, Barbil to conduct Grama Sabha and to enquire the cases & submit a certificate as to

- 1 The complete process for identification & settlements of right under the FRA has been carried out for the entire 332.100 Ha. of forest land proposed for diversion.
- 2 The proposal does not involve recognized rights of Primitive Tribal Groups and Pre agricultural Communities.
- 3 No such facilities managed by Govt. regarding diversion of forest land U/S 3(2) of the FRA 2006 exist of forest land proposed for diversion.

As per the Letter No.1505/ITDA(K)Dt. 16.08.2021 of PA,ITDA Keonjhar the Block Development Officer Joda conducted Grama Sabha in village Rugudih on 06.11.2021 for the diversion of forest land of 4.980 Ha. for non forest propose. The meeting was presided over by Smt Anshari Naik, Ward Member, Rugudih village.

More than 50% voters (227/418) participated the meeting in village Rugudih of Joda Block out of which 109 were female voters and duly certified by PEO Laidapada GP, WEO Joda, PEO, Laidapada GP Forester, Joda, and R.I Bhadrasahi, unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CO are attached.

Similarly Gramasabha was held on village Laidapada on 27.10.2021 for diversion of Forest land of 3.372 Ha. for Non Forest purpose. The meeting was presided over by Sri Sirapani Munda, Ward Member, village Laidapada. More than 50% voters (354/671) participated the meeting in village Laidapada of Joda Block out of which 201 were female voters and duly certified by PEO Laidapada GP WEO Joda, PEO, Laidapada GP Forester, Joda, and R.I Bhadrasahi, Joda unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection

the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached.

Similarly Gramasabha was held on village Topadihi on 27.10.2021 for diversion of Forest land of 177.653 Ha. for Non Forest purpose. The meeting was presided over by Sri Kishor Chandra Naik, Ward Member, Topadihi Village, Laidapada GP. More than 50% voters (162/294) participated the meeting in village Topadihi of Joda Block out of which 76 were female voters and duly certified by PEO, Laidapada GP and BDO Joda. WEO Joda, PEO, Laidapada GP Forester, Joda, and R.I Bhadrasahi, Joda unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached.

Similarly Gramasabha was held on village Guali on 16.12.2021 for diversion of Forest land of 57.384 Ha. and 30.657 Ha of Reserve Forest area for Non Forest purpose. The meeting was presided over by Smt. Suchitra Ghana, Ward Member, Guali Village, Guali GP. More than 50% voters (466/838) participated the meeting in village Guali of Joda Block out of which 217 were female voters and duly certified by PEO, Guali GP and BDO Joda. WEO Joda, PEO, Guali GP Forester Guali section, Joda, and R.I Bhadrasahi, Joda unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached.

Similarly Gramasabha was held on village Panduliposi on 16.12.2021 for diversion of Forest land of 58.054 Ha. for Non Forest purpose. The meeting was presided over by Sri Rathia Naik, Ward Member, Panduliposi Village, Guali GP. More than 50% voters (203/383) participated the meeting in village Panduliposi of Joda Block out of which 98 were female voters and duly certified by PEO, Guali GP and BDO Joda. WEO Joda, PEO, Guali GP Forester, Joda, and R.I Bhadrasahi, Joda unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached.

Gram Sabha was held for diversion of forest land for non forest purpose measuring land area of 332.100 Ha of forest land. The member present decided considering of the different aspect of ST & OTFD rule that there is no objection if the proposed area is used for mining propose.

The Tahasildar, Barbil, Forest Range Officer, Barbil have submitted the report which was scrutinized in the meeting. After scrutiny it was confirmed that neither ST nor OTFD has any claim on the proposed land for diversion. It is also ascertained that neither any PVTG nor Pre Agricultural Communities is occupying the land proposed for diversion & thus, the rights of PVTG & PAC are not affected.

As per the report of Tahasildar, Barbil, SDLC consensually decided to recommend the proposal to the DLC for approval. It is decided in the meeting that if any ST or OTFD will affect in future on said non linear project, will be settled by the company as per Govt. guide line of Forest Right Act.

B:- Approval of Diversion Proposal submitted by the user agency M/S OMECL Ltd. :-

Diversion of 24.203 Ha. of forest land involved in Gandhalpada and Nuagaon under Barbil Tahasil in favour of Odisha Mineral Exploration Corporation Ltd. (OMECL).

The ADWO, Champua presented one more non Linear Project for diversion of forest land for non forest activities.

OMECL applied for NOC model Certificate from the Collector, Keonjhar in respect of Forest Land measuring 24.203 Ha. proposed to be diverted for establishment of Iron Ore Grinding and beneficiation unit under Barbil Tahasil and establishment of intake well and Water pumping station for the unit by M/S OMECL. The details of the forest land covered under Barbil Tahasil is given below.

LAND SCHEDULE OF FOREST AREA OF 24.203 HA. INVOLVED IN VILLAGE GANDHALPADA AND NUAGAON. PROPOSED TO BE DIVERTED FOR ESTABLISHMENT OF IRON ORE GRINDING AND BENEFICATION UNIT AND ESTABLISHMENT OF INTAKE WELL AND WATER PUMPING STATION FOR THE UNIT BY M/S OMECL, UNDER BARBIL TAHASIL, CHAMPUA SUB DIVISION OF KEONJHAR DISTRICT, ODISHA.

FORMAT I						
Mouza	Khata No.	Plot No.	Kissam	Proposed area (in Ha.)	Status of land as on 25.10.1980	
					Sabik plot	kissam
Gandhalpada	46	50	Rasta	0.285	1	Jungle
	46	52/364	G. Jungle	0.386	1	Jungle
	46	52	UJJ	0.787	1	Jungle
	46	49	Nayanjori	0.125	1	Jungle
	46	48	SSJ	0.419	1	Jungle
	46	51	Nayanjori	0.114	1	Jungle
	46	47	Nayanjori	0.001	1	Jungle
Total				2.117 Ha		
Nuagaon	62	397	Patita	0.023	131	Jungle
	60	395/572	Patita	1.872	131/1	Jungle
	62	395/571	Patita	1.939	131	Jungle
	62	390/568	Taila-I	0.163	131	Jungle
	62	390/567	Taila-I	0.062	131	Jungle
	60	389/566	Patita	0.080	131/1	Jungle
	62	396	Patita	0.061	131	Jungle
	60	395	G. Jungle	15.367	131	Jungle
	62	394	Taila-I	0.858	o/131	Jungle
	60	393	G. Jungle	0.779	o/131	Jungle
	60	390	Patita	0.374	131/1	Jungle
	62	389	Taila-I	0.006	o/131	Jungle
60	296	G. Jungle	0.502	131	Jungle	
Total				22.086 Ha.		
Grand Total				24.203 Ha.		

FORMAT-II
A) For Revenue Forest Land (Forest Right Claims)

Mouza	Name of the claimant under F.R.Act	Khata No	Plot No.	Area	Whether approved in FRC	Whether approved in SDLC	Whether approved in Dist. Level Committee	Remarks
Gandhalpada	Gali Munda	46	52/364	0.430	Yes	Yes	Yes	Such claim does not affect the proposed land
Nuagaon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Verified by the BDO Joda, WEO, Joda & Forest Range Officer, Barbil & Tahasildar, Barbil certified that there are 1 no of IFR claims of ST people exists in village Gandhalpeda which is not being affected.

They have also informed that there is no PVTG & PAC in the affected area/ the area proposed on alignment of diversion of forest land

The P.A, ITDA, Keonjhar vide his letter No. 773/ITDA(K)Dt. 20.04.2021 requested BDO, Joda & Tahasildar, Barbil to conduct Grama Sabha and to enquire the cases & submit a certificate as to

1. The complete process for identification & settlements of right under the FRA has been carried out for the entire 24.203 Ha. of forest land proposed for diversion.
2. The proposal does not involve recognized rights of Primitive Tribal Groups and Pre agricultural Communities.
3. No such facilities managed by Govt. regarding diversion of forest land U/S 3(2) of the FRA 2006 exist of forest land proposed for diversion.

As per the Letter No.773/ITDA(K)Dt. 20.04.2021 of PA,ITDA Keonjhar the Block Development Officer Joda conducted Grama Sabha in village Gandhalpada on 30.10.2021 for the diversion of forest land of 2.117 Ha. for non forest propose. The meeting was presided over by the Smt Kairi Munda, Ward Member, Gandhalpada village.

More than 50% voters (152/275) participated the meeting in village Gandhalpada of Joda Block out of which 74 were female voters and duly certified by PEO Guali GP and Tahasildar Barbil, GPEO Joda, WEO Joda, PEO, Guali GP Forester, Joda, and R.I Bhadrasahi unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached

Similarly Gramasabha was held on village Nuagaon on 30.10.2021 for diversion of Forest land of 22 086 Ha. for Non Forest purpose. The meeting was presided over by Smt Sabita Barik, Ward Member, village Nuagaon. More than 50% voters (272/537) participated the meeting in village Nuagaon of Joda Block out of which 147 were female voters and duly certified by PEO, Guali GP and Tahasildar, Barbil GPEO, Joda WEO Joda, PEO, Guali GP Forester, Joda, and R.I Bhadrasahi, Joda unanimously resolved considering the different aspects of ST & OTFD rule that there is no objection in the proposed area used for mining activity. The resolution copy of the Gram Sabha, map, voter list and CD are attached.

Gram-Sabha was held for diversion of forest land for non forest purpose measuring land area of 24 293 Ha. of forest land. The member present decided considering of the different aspect of ST & OTFD rule that there is no objection if the proposed area is used for mining propose.

The Tahasildar, Barbil, Forest Range Officer, Barbil have submitted the report which was scrutinized in the meeting. After scrutiny it was confirmed that neither ST nor OTFD has any claim on the proposed land for diversion. It is also ascertained that neither any PVTG nor Pre Agricultural Communities is occupying the land proposed for diversion & thus the rights of PVTG & PAC are not affected.

As per the report of Tahasildar, Barbil, SDLC consensually decided to recommend the proposal to the DLC for approval. It is decided in the meeting that if any ST or OTFD will effect in future on said non linear project, will be settled by the user agency as per Govt. guide line of Forest Right Act.

Agenda 2:-Reconstitution of Forest Right Committee:-

The Details position of Constitution/Re constitution of Forest Right Committee of different blocks was reviewed as follows:-

Sl No	Name of the Block	No of Rev villages	No. of villages where FRC is functional	Balance col.3-4	No. of villages where FRC scheduled to be constituted	No villages of where FRC constituted out of col.6	Balance No. of villages where FRC will be Constituted	No. of villages where be	Remarks
1	Joda	104	14	90	90	58	32		
2	Champur	144		144	144	144	Nil		
3	Jhumpura	152		152	152	25	127		

The WEO, Joda & Jhumpura were instructed complete the process early.

Agenda 3:- Correction of ROR & demarcation of land of IFR Title holder:-

The progress of correction of ROR and demarcation of land of IFR title holders was reviewed. Tahasil wise progress is given below:-

Sl No	Name of the Tahasil	No. of claims approved by the DLC	No. of Titles distributed	No of Title demarcated	No. of ROR corrected	Cases pending for ROR correction
1	Jhumpura	2158	4	5	6	7
			1789	1537	743	1415

2	Barbil	1424	1346	842	685	739
3	Chandua	1383	1102	1325	484	889

It is seen that the progress is very unpleasant. Sub-Collector, Champua expressed his displeasure on the progress of correction of ROR. All Tahasildars are instructed to look into the matter personally to expedite the progress. Further they are instructed to complete the demarcation of lands of the IFR title holders by 31st July.


The meeting was ended with vote of thanks to the Chair and participants


Sub-Collector cum Chairman,
SDLC, Champua.

Memo No. 4570 IDI. 16.07.2022

Copy forwarded to all members of SDLC for information and necessary action.

Copy forwarded to All BDOs/ All Tahasildars for information and necessary action


Sub-Collector cum Chairman,
SDLC, Champua.


Memo No. 4571 IDI. 16.07.2022

Copy submitted to the PA, IIDA, Keonjhar-cum-Nodal Officer, DLC Keonjhar for information and necessary action.


Sub-Collector cum Chairman,
SDLC, Champua.

Memo No. 4572 IDI. 16.07.2022

Copy submitted to the Collector & District Magistrate, Keonjhar for kind information.


Sub-Collector cum Chairman,
SDLC, Champua.

FORMAT-I

Details of Revenue Forest lands for diversion (supported by Map in Duplicate)

LAND SCHEDULE OVER 332.100 HA. OF FOREST AREA PROPOSED FOR DIVERSION PERTAINING TO GUALI ML AREA (358.258 HA.) OF M/S O.M.C. LTD.

Name of the village	Plot No.	Khatu No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	RoR Area (in Acres)	DGPS Area (in Ha)	Remarks	
Sidhamatha R.F.					75.755	30.657Ha.		
Guali	1	175	Jungle	Jungle	20.500	7.812	Revenue Forest	
	1/503	175	Jungle	Jungle	10.050	4.151		
	1/514	175	Jungle	Jungle	26.000	9.184		
	1/516	175	Jungle	Jungle	10.084	4.081		
	1/519	175	Jungle	Jungle	26.200	11.147		
	1/520	175	Jungle	Jungle	23.500	10.921		
	1/522	175	Jungle	Jungle	7.562	3.060		
	Sub-Total						50.356	
	1/515	175	Gochar	Jungle	17.317	7.008	Sabik Forest	
Total					141.213Ac	57.364		
Laharpada	1	67	patita	Jungle	0.550	0.263	Sabik Forest	
	118	65	Adi	Jungle	0.180	0.007		
	119	67	patita	Jungle	2.730	1.172		
	120	67	Taila-I	Jungle	0.118	0.048		
	127	65	Gochara	Jungle	0.560	0.254		
	2	67	Patita	Jungle	0.180	0.054		
	223	65	Sarba Sardharan	Jungle	1.330	0.704		
	224	65	Sarba Sardharan	Jungle	0.536	0.217		
	3/386	67	Taila-I	Jungle	0.100	0.043		
	4/387	67	Taila-I	Jungle	0.060	0.049		
	389	175	Taila-I	Jungle	0.130	0.053		
	126/396	67	Taila-I	Jungle	0.086	0.035		
	154/401	65	Gochara	Jungle	0.190	0.073		
	217/467	1	Nayanjori	Jungle	0.326	0.132		
	139/473	65	Gochara	Jungle	0.520	0.268		
Sub-Total					7.596 Ac	3.372		
Pandulipus	104	71	Jungle	Patita	24.740	9.763	Revenue Forest	
	3	71	Jungle	-	26.386	10.678		
	3/300	71	Jungle	-	48.336	19.561		
	3/301	71	Jungle	-	7.799	3.156		
	Sub-Total					107.261	43.158	
	105	73	Taila-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as Forest by DFO, Koonjhar	
	108	73	Taila-I	Unsurveyed	0.640	0.249		
	104/298	71	Basli Yogyo	Unsurveyed	3.720	1.657		
	104/403	71	Unnata Jajana yogyo	Unsurveyed	3.460	0.999		
	104/404	71	Unnata Jajana yogyo	Unsurveyed	5.000	2.115		
104/405	71	Unnata Jajana yogyo	Unsurveyed	5.000	2.045			
104/406	71	Unnata Jajana yogyo	Unsurveyed	4.827	1.953			
Sub-Total					22.895	9.118		

Name of the village	Plot No.	Khatta No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DCPS Area (in Ha)	Remarks	
	26	25	Taila-II	Jungle	0.191	0.077	Sabik Forest	
	27	25	Taila-II	Jungle	0.079	0.032		
	30	62	Sarada-III	Jungle	0.016	0.007		
	3/308	25	Taila-I	Jungle	1.200	0.490		
	31	62	Sarada-III	Jungle	0.196	0.079		
	33	62	Taila-I	Jungle	0.298	0.121		
	Panchulipas	34	62	Biali	Jungle	0.101		0.041
3/349		62	Taila-I	Jungle	0.271	0.110		
3/350		25	Taila-I	Jungle	0.100	0.039		
3/351		6	Taila-I	Jungle	0.370	0.138		
3/352		42	Taila-I	Jungle	0.700	0.256		
3/353		22	Taila-I	Jungle	0.520	0.222		
3/354		25	Taila-I	Jungle	0.550	0.214		
3/355		18	Taila-I	Jungle	0.550	0.204		
3/356		19	Taila-I	Jungle	0.500	0.216		
3/358		2	Taila-I	Jungle	0.500	0.194		
3/359		38	Taila-I	Jungle	0.500	0.214		
3/360		52	Taila-I	Jungle	0.600	0.237		
3/361		68/34	Taila-I	Jungle	0.600	0.255		
3/362		37	Taila-I	Jungle	0.680	0.279		
3/363		27	Taila-I	Jungle	1.200	0.473		
104/364		23	Taila-I	Jungle	2.360	0.954		
104/365		56	Taila-I	Jungle	1.100	0.453		
104/366		17	Taila-I	Jungle	0.500	0.228		
104/367		6	Taila-I	Jungle	0.200	0.091		
55		71	Rasta	Jungle	0.356	0.144		
Sub-Total					14.238 Ac	5.718		
Total					107.261	58.054		
Ruguli Dili	137	74	Sarada-III	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.060	0.024		
	139	74	Taila-I	Jungle	0.618	0.250		
	140	74	Sarada-	Jungle	0.006	0.002		
	Sub Total					0.802	0.324	
	1/452	72	Gramya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.531		
1/610	72	Gramya Jungle	Jungle	1.559	0.631			
Sub Total					12.056	4.666		
Total					12.858 Ac	5.2034ha		
Tapadili	1	126	patita	Jungle	2.740	1.135	Sabik Forest	
	10	126	Taila-II	Jungle	0.870	0.361		
Tapadili	100	126	Taila-I	Jungle	0.490	0.197	Sabik Forest	
	101	126	Taila-I	Jungle	0.380	0.151		
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.060	0.023		
	107	126	Taila-I	Jungle	0.410	0.150		
	108	124	Rasta	Jungle	0.380	0.157		
11	126	patita	Jungle	0.190	0.079			


Dr. M. Chandra

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	111	127	Nala	Jungle	3.810	1.713	
	112	43	Taila-I	Jungle	0.580	0.277	
	115	124	Gochara	Jungle	12.218	4.945	
	118	124	Rasta	Jungle	0.440	0.190	
	12	126	Taila-II	Jungle	1.700	0.705	
	122	127	Nala	Jungle	0.500	0.220	
	123	119/17	Taila-I	Jungle	0.637	0.258	
	124	124	Rasta	Jungle	0.380	0.161	
	125	126	Patita	Jungle	0.210	0.109	
	126	124	Rasta	Jungle	0.080	0.040	
	127	126	patita	Jungle	2.540	1.060	
	128	124	Gharbari	Jungle	0.040	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	126	Taila-II	Jungle	1.180	0.487	
	130	124	Gharbari	Jungle	0.040	0.015	
	131	124	Rasta	Jungle	0.088	0.036	
	132	124	patita	Jungle	0.091	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Taila-II	Jungle	0.231	0.094	
	135	70	Taila-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.048	0.019	
	138	70	Taila-I	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mahara	Jungle	1.002	0.406	
	16	126	patita	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.619	
	18	119/2	karakhana	Jungle	0.740	0.328	
	2	126	patita	Jungle	1.410	0.583	
	24	126	patita	Jungle	0.730	0.305	
	28	126	Taila-II	Jungle	1.130	0.444	
	29	126	Taila-II	Jungle	0.770	0.305	
	3	126	patita	Jungle	1.740	0.715	
	30	119/2	karakhana	Jungle	1.840	0.729	
	8/307	126	Taila-II	Jungle	0.540	0.205	
	13/308	119/13	karakhana	Jungle	0.54	0.233	
	31	119/2	karakhana	Jungle	1.830	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.383	
	18/312	126	Taila-I	Jungle	0.690	0.279	
	31/313	126	Biali	Jungle	1.200	0.485	
	32/314	119/2	karakhana	Jungle	0.880	0.366	
	34/315	126	Biali	Jungle	1.230	0.498	
	47/316	119/13	karakhana	Jungle	1.700	0.697	
	53/317	126	Sarada-I	Jungle	0.320	0.131	
	58/318	126	patita	Jungle	0.260	0.111	
	32	126	Taila-I	Jungle	1.000	0.403	
	58/320	126	Taila-II	Jungle	0.480	0.184	
	58/321	126	Taila-II	Jungle	0.700	0.272	
	58/322	126	Taila-II	Jungle	0.300	0.120	
	58/323	126	Taila-I	Jungle	0.850	0.370	

	58/324	126	patita	Jungle	1.000	0.391	
	58/325	78	Taila-I	Jungle	1.000	0.401	
	58/326	126	Taila-II	Jungle	0.660	0.273	
	59/327	78	Taila-II	Jungle	0.950	0.375	
	73/328	100	Taila-I	Jungle	0.490	0.202	
	44/329	72	Taila-II	Jungle	0.040	0.008	
Name of the village	Plot No.	Khasra No.	Kissam (A Per 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DCPS Area (in Ha)	Remarks
Tapadibi	33	126	Taila-II	Jungle	1.510	0.514	Sabik Forest
	44/330	94	Taila-II	Jungle	0.040	0.011	
	44/331	22	Patita	Jungle	0.040	0.012	
	44/332	56	patita	Jungle	0.040	0.012	
	44/333	20	patita	Jungle	0.040	0.010	
	44/334	106	Taila-II	Jungle	0.040	0.012	
	80/335	74	Taila-II	Jungle	0.040	0.012	
	80/336	69	Taila-II	Jungle	0.040	0.011	
	80/337	100	Taila-II	Jungle	0.040	0.011	
	80/338	39	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.050	0.010	
	34	119/2	karakhana	Jungle	1.470	0.623	
	80/340	109	Taila-II	Jungle	0.040	0.015	
	80/341	91	Taila-II	Jungle	0.040	0.012	
	80/342	14	patita	Jungle	0.040	0.014	
	80/343	2	patita	Jungle	0.040	0.015	
	80/344	50	patita	Jungle	0.040	0.014	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	90	Taila-II	Jungle	0.040	0.014	
	78/347	85	Taila-II	Jungle	0.040	0.017	
	80/348	126	patita	Jungle	0.140	0.041	
	80/349	60	patita	Jungle	0.040	0.018	
	35	119/2	karakhana	Jungle	1.180	0.477	
	80/350	36	patita	Jungle	0.040	0.015	
	80/351	8	Patita	Jungle	0.040	0.014	
	80/352	30	patita	Jungle	0.040	0.016	
	80/353	1	patita	Jungle	0.040	0.016	
	80/354	97	Taila-II	Jungle	0.040	0.014	
	80/355	67	Taila-II	Jungle	0.040	0.015	
	80/356	91	Taila-II	Jungle	0.040	0.015	
	78/357	118	Taila-II	Jungle	0.040	0.017	
	80/359	126	patita	Jungle	0.040	0.016	
	36	119/2	karakhana	Jungle	2.100	0.826	
	80/360	126	patita	Jungle	0.040	0.016	
	80/361	126	patita	Jungle	0.040	0.014	
	80/362	126	patita	Jungle	0.040	0.017	
	80/363	126	patita	Jungle	0.040	0.015	
80/364	31	patita	Jungle	0.040	0.015		
80/365	2	patita	Jungle	0.040	0.015		
80/366	59	patita	Jungle	0.040	0.017		
80/367	126	patita	Jungle	0.180	0.051		

85/368	126	patita	Jungle	0.040	0.018
85/369	126	patita	Jungle	0.040	0.016
37	126	Taila-i	Jungle	1.880	0.742
85/370	126	patita	Jungle	0.040	0.017
85/371	126	patita	Jungle	0.040	0.016
85/372	126	patita	Jungle	0.040	0.015
85/373	126	patita	Jungle	0.040	0.018

R. Malika
FRM Amin


TAHASILDAR
BARBIL

Name of the village	Plot No.	Khatu No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapatili	85/374	126	patita	Jungle	0.040	0.015	Sabik Forest
	85/375	126	patita	Jungle	0.040	0.019	
	78/376	126	patita	Jungle	0.040	0.015	
	89/377	126	patita	Jungle	0.040	0.013	
	85/378	126	patita	Jungle	0.040	0.016	
	85/379	125	patita	Jungle	0.040	0.013	
	BR	126	Taila-I	Jungle	0.910	0.353	
	85/380	126	patita	Jungle	0.040	0.016	
	85/381	126	patita	Jungle	0.040	0.013	
	85/382	126	patita	Jungle	0.040	0.013	
	85/383	120	patita	Jungle	0.040	0.015	
	85/384	126	patita	Jungle	0.040	0.014	
	85/385	126	patita	Jungle	0.040	0.015	
	80/386	126	patita	Jungle	0.150	0.07	
	80/387	126	patita	Jungle	0.020	0.004	
	81/388	104	Taila-II	Jungle	0.040	0.011	
	81/389	7	patita	Jungle	0.040	0.016	
	89	126	patita	Jungle	1.720	0.716	
	81/390	92	Taila-II	Jungle	0.040	0.014	
	81/391	117	Taila-II	Jungle	0.040	0.016	
	81/392	101	Taila-II	Jungle	0.040	0.015	
	81/393	9	patita	Jungle	0.040	0.015	
	81/394	82	Taila-II	Jungle	0.040	0.015	
	80/395	103	Taila-II	Jungle	0.040	0.016	
	80/396	119	Taila-II	Jungle	0.040	0.016	
	80/397	105	Taila-II	Jungle	0.040	0.016	
	80/398	89	Taila-II	Jungle	0.040	0.014	
	80/399	53	patita	Jungle	0.040	0.014	
	80	126	patita	Jungle	2.840	1.158	
	80	126	Biali	Jungle	1.400	0.547	
	80/400	57	patita	Jungle	0.040	0.015	
	81/401	54	patita	Jungle	0.040	0.014	
	81/402	23	patita	Jungle	0.040	0.016	
	81/403	15	patita	Jungle	0.040	0.014	
	81/404	116	Taila-II	Jungle	0.040	0.016	
	81/405	108	Taila-II	Jungle	0.040	0.016	
	81/406	13	Patita	Jungle	0.040	0.017	
	81/407	95	Taila-II	Jungle	0.040	0.012	
	81/408	126	patita	Jungle	0.180	0.059	
	81/409	126	patita	Jungle	0.040	0.013	
	81	126	patita	Jungle	0.330	0.114	
	81/410	41	Gharbari	Jungle	0.040	0.016	
	81/411	126	patita	Jungle	0.040	0.017	
	81/412	126	patita	Jungle	0.040	0.015	
	81/413	126	patita	Jungle	0.040	0.016	
	81/414	126	patita	Jungle	0.040	0.015	
81/415	126	patita	Jungle	0.040	0.017		
85/416	126	patita	Jungle	0.040	0.017		

Name of the village	85/417 Plot No.	126 Khatta No.	Patita Kisam (After 25.10.1980)	Jungle Kisam (Before 25.10.1980)	0.040 Area (in Acres)	0.018 DGPS Area (in Ha)	Remarks
Tapadithi	85/438	126	patita	Jungle	0.040	0.018	Sabit Forest
	85/419	126	patita	Jungle	0.040	0.012	
	42	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	Patita	Jungle	0.040	0.014	
	81/425	126	Patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	17	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	43	126	patita	Jungle	7.020	0.839	
	85/431	126	patita	Jungle	3.040	0.016	
	85/432	126	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.014	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	Patita	Jungle	0.040	0.016	
	44	126	Patita	Jungle	8.060	3.283	
	82/440	126	Patita	Jungle	0.080	0.037	
	82/443	126	Patita	Jungle	0.040	0.016	
	82/444	126	Patita	Jungle	0.040	0.016	
	82/445	126	Patita	Jungle	0.040	0.014	
	82/446	126	Patita	Jungle	0.400	0.121	
	82/447	126	Patita	Jungle	0.040	0.014	
	82/448	126	Patita	Jungle	0.040	0.016	
	87/449	126	Patita	Jungle	0.040	0.018	
	45	126	Talla-li	Jungle	1.010	1.647	
	82/450	126	Patita	Jungle	0.040	0.017	
	82/451	126	Patita	Jungle	0.040	0.018	
	82/452	126	Patita	Jungle	0.040	0.017	
	85/453	126	Patita	Jungle	0.040	0.017	
	85/454	126	Patita	Jungle	0.040	0.016	
	85/455	126	Patita	Jungle	0.040	0.018	
	86/456	126	Patita	Jungle	0.040	0.018	
	85/457	126	Patita	Jungle	0.040	0.014	
	85/458	126	Patita	Jungle	0.040	0.015	
	85/459	126	Patita	Jungle	0.040	0.014	
	46	126	Talla-li	Jungle	1.620	0.639	
	85/460	126	Patita	Jungle	0.040	0.014	
	82/461	126	Patita	Jungle	0.040	0.015	
	82/462	126	Patita	Jungle	0.040	0.013	
	82/463	126	Patita	Jungle	0.040	0.014	
82/464	126	Patita	Jungle	0.040	0.015		
82/465	126	Patita	Jungle	0.040	0.017		

Name of the village	Plot No.	Klanta No.	Kissani (After 25.10.1980)	Kissani (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	82/466	126	Patita	Jungle	0.040	0.012	
	84/467	126	Patita	Jungle	0.040	0.015	
Tapudih	84/468	126	Patita	Jungle	0.040	0.013	Sabik Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	47	126	Taila-i	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.040	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	126	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	52	Patita	Jungle	0.040	0.013	
	83/478	12	Patita	Jungle	0.040	0.016	
	83/479	5	Taila-ii	Jungle	0.040	0.016	
	48	119/13	Karakhana	Jungle	0.190	0.073	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	96	Taila-ii	Jungle	0.040	0.016	
	84/482	46	Patita	Jungle	0.040	0.015	
	84/483	99	Taila-ii	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.040	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	79	Taila-ii	Jungle	0.040	0.017	
	83/487	6	Patita	Jungle	0.040	0.019	
	83/488	32	Patita	Jungle	0.040	0.024	
	83/489	3	Patita	Jungle	0.040	0.019	
	49	21	Biali	Jungle	1.140	0.562	
	83/490	83	Taila-ii	Jungle	0.040	0.023	
	83/491	21	Patita	Jungle	0.040	0.018	
	83/492	98	Taila-ii	Jungle	0.040	0.021	
	83/493	43	Taila-ii	Jungle	0.040	0.019	
	84/494	56	Patita	Jungle	0.040	0.021	
	86/497	126	Patita	Jungle	0.200	0.082	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	119/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.360	0.142	

Name of the village	Plot No.	Khata No.	Kissani (After 25.10.1980)	Kissani (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadili	89/510	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/511	126	Patita	Jungle	0.010	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	
	86/513	126	Patita	Jungle	0.040	0.015	
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	86/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.402	
	85/530	126	Patita	Jungle	0.540	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.180	0.048	
	54	126	Taila-i	Jungle	1.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Taila-ii	Jungle	0.420	0.166	
	80/546	126	Taila-ii	Jungle	0.470	0.186	
	82/547	126	Patita	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	87/549	76	Taila-i	Jungle	0.750	0.336	
	55	126	Taila-ii	Jungle	0.670	0.353	
	108/550	25	Taila-ii	Jungle	0.440	0.191	
	109/551	125	Taila-i	Jungle	0.380	0.154	
	112/552	25	Taila-ii	Jungle	0.280	0.11	
	115/554	93	Taila-ii	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.719	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Yala	Jungle	0.176	0.071	
	123/565	119/17	Taila-i	Jungle	0.090	0.197	
	124/566	124	Rasta	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.457	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	130/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	5.690	2.153	
	134/582	100	Taila	Jungle	1.300	0.106	
	134/583	69	Taila	Jungle	0.120	0.058	

Name of the village	Plot No.	Khata No.	Kisani (After 25.10.1980)	Kisani (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	134/584	94	Taila	Jungle	0.200	0.086	
	134/585	64	Yaila-II	Jungle	0.850	0.363	
	134/586	124	Patita	Jungle	0.186	0.075	
		12E	Patita	Jungle	0.850	0.358	
Tapulih	60	176	Taila-II	Jungle	4.860	2.039	Sabit Forest
	78/618	126	Taila-I	Jungle	0.880	0.359	
	89/619	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	89/620	119/18	Karakhana	Jungle	0.550	0.226	
	80/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-I	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.520	0.215	
	81/624	119/10	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-I	Jungle	0.240	0.104	
	83/626	119/19	Karakhana	Jungle	0.680	0.262	
	134/629	124	Patita	Jungle	0.755	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.090	0.031	
	115/642	124	UII	Jungle	0.208	0.084	
	66	126	Patita	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.060	0.023	
	7	126	Patita	Jungle	0.150	0.051	
	70	124	Gharabari	Jungle	0.700	0.298	
	71	126	Patita	Jungle	3.140	1.315	
	72	32	Taila-I	Jungle	1.200	0.546	
	73	126	Taila-I	Jungle	1.100	0.476	
	74	126	Taila-I	Jungle	1.250	0.512	
	75	126	Taila-I	Jungle	1.220	0.503	
	76	100	Sarada-I	Jungle	2.840	1.218	
	77	126	Taila-I	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-I	Jungle	1.110	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-II	Jungle	0.040	0.014	
	81	126	Patita	Jungle	1.240	0.49	
	82	126	Patita	Jungle	0.200	0.06	
	84	126	Patita	Jungle	0.220	0.043	
	86	126	Patita	Jungle	0.040	0.014	
	87	126	Taila-II	Jungle	0.860	0.381	
	89	126	Taila-II	Jungle	0.180	0.158	
	9	126	Patita	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-I	Jungle	0.610	0.235	
	93	126	Binli	Jungle	0.330	0.133	
	94	176	Sarada-I	Jungle	0.680	0.266	
	95	102	Sarada-I	Jungle	0.990	0.416	

K. Malviya

J. K.

Meeting of the Staff of the Forest Dept. 12.7.22

1. Sub. Collector, Champa, P.S. Collector, Champa

2. Sub. Collector, Champa

3. S.D.O. Champa

4. Forest Range Officer, Champa

5. Tahsildar, Champa

6. Tahsildar, Bhatkora

7. Tahsildar, Barbeli

8. S.A. Ganga Kanya, Khuntia, P.S. Officer, Toda

9. S.A. Sunita Devi, P.S. Officer, Champa

10. S.A. Chandrasekhar, D.D.A., Champa

11. A.D.W.O. Champa

12. W.E.O. Champa

13. W.E.O. Champa

14. W.E.O. Toda

15. C.A. Co-ordinator S.D.A. Champa

16. F.R.A. Co-ordinator, P.S. Champa

17. F.R.A. Co-ordinator, P.S. Champa

18. F.R.A. Aman, Champa

19. F.R.A. Aman, Champa

20. F.R.A. Aman, Barbeli

12.7.22

OFFICE OF THE TAHASILDAR, BARBIL

No. 2246 / Dated, 30/6/22

To

The Sub-Collector, Chempua.

Sub: Issue of Certificate regarding compliance of ST & Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 and Amendment Rules, 2012 in respect of forest land measuring 332.100 Ha involved in Guali Iron Ore Mining Lease in favour of OMC limited proposed to diverted for mining under Barbil tahasil.

Ref: Letter No. 1085/Date 14.03.2022 of BDO, Joda.

Sir,

With reference to your letter on the subject cited above, I am to say that Sarapanch, Guali and Laidapada has conducted the Gramsabha as per recent guidelines and submitted the resolution copy signed by the members present and duly authenticated by Sarapanch along-with the video graphy CD of Gramsabha and media report.

I am to submit herewith the enquiry report in prescribed model format for issue of certificate regarding compliance of Scheduled Tribe & Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 and Amendment Rule, 2012 for diversion of forest land measuring 332.100 Ha. (Rugudi-4.990 Ha.+ Laidapada- 3.372 Ha.+Topadihi-177.663 Ha.+Gual-57.364 Ha.+Pandulposi-58.054 Ha.+ Reserved Forest-30.657 Ha.) for mining purpose by M/s OMCL.

The resolution copy of Gramsabha in local language and the English translated version along-with genuineness certificate and video CD is enclosed for kind reference.

The proposal may kindly transmit onward after considering in the S.D.L.C. Meeting.

Enc: 2 sets of Gramsabha proceeding of each village along with as above.

Yours faithfully,

Tahasildar, Barbil.

Memo No. 2247 / Dated, 30/6/22

Copy submitted to Copy submitted to the FA, ITDA, cum Dist Nodal Officer (R.F.R) Keonjhar for information and necessary action.

Tahasildar, Barbil

Memo No. 2248 / Date 30/6/22

Copy submitted to the BDO, Joda for kind information with reference to his letter No. 1085/Date 14.03.2022.

Tahasildar, Barbil

INQUIRY REPORT ON DIVERSION OF FOREST LAND FOR NON FOREST PURPOSE - ENSURING COMPLIANCE OF SCHEDULED TRIBE & OTHER TRADITIONAL FOREST DWELLERS (RECOGNITION OF FOREST RIGHT) ACT, 2006 & AMENDMENT RULES, 2012.

Name of the User Agency	:	M/s OMCL (Odisha Mining Corporation Ltd.)
Name of the Project and purpose of Diversion	:	For Guali Iron Ore Mines
Name of the village(s) and R.F. area covered under Diversion Proposal	:	Rugudi- 4.990 Ha. Laidapada- 3.372 Ha. Topadihi - 177.663 Ha. Guali- 57.364 Ha. Pandulposi- 58.054 Ha. Siddhamatha Reserved Forest- 30.657 Ha.
		<hr/>
		Total 332,100 Ha
Name of the G.P.(s)	:	Rugudi- Laidapada G.P. Laidapada- Laidapada G.P. Topadihi- Laidapada G.P. Guali- Guali G.P. Pandulposi- Guali G.P.
Name of the Tahasil	:	BARBIL
Extent of Forest land under Diversion	:	332.100 Ha.(Including as on 25.10.1980)
a) Revenue Forest: Area in Acre/ Hect. (Details of Land schedule & map is Annexed as per Format-I)	:	301.443 Ha.
b) Reserved Forest : Area in Acre/ Hect. (Map to be enclosed)	:	30.657 Ha (Siddhamatha Reserved Forest)
c) Total Area : In Acre/ Hect.	:	Ac. 332.100 Ha.
If any claims received under Forest Right Act, 2006 in respect of the above diversion Proposal	:	Yes

I.	If Yes, give details of claims received (To be enclosed in Format-II & III)	Attached
a)	Total claims approved in the Dist. Level Committee out of the above diversion Proposal	--
(i)	For Revenue Forest (In Acre/Hect.)	--
(ii)	For Reserved Forest (In Acre/ Hect.)	--
b)	Balance area for diversion alongwith Map	--
(i)	Revenue Forest (In Acre/Hect.)	--
(ii)	Reserved Forest (In Acre/ Hect.)	--
II.	If No, Joint field verification by Revenue & Forest personnel regarding Forest Right claim, if any, for individual/ community in the proposed diversion area	
3.	a) Whether proposal for such diversion of forest land have been placed before each of the Gram Sabha of Forest Dwellers who are eligible under Forest Right Act & details of the Project and its implications have been explained to them in local language.	YES
	b) Whether such discussion and decision on such proposal had taken place with a quorum of minimum 50 % of members of the Gram Sabha present or not.	YES
	c) Whether rights of Primitive Tribal Groups and pre-agricultural community have been specifically safe guarded as per section 3(1)(e) of Forest Right Act.	No such person living in the proposed area.
	d) Whether the diversion of forest land for facilities managed by Government as required u/s 3(2) of the Forest Right Act (if any) have been completed and that the Gramsabha has consented to it.	No such claim exists within the applied area for diversion.
4.	<u>Documents to be enclosed</u>	
a)	Proposed land schedule and Map for Diversion	Yes, Land plan attached (lease Map)
b)	Gramsabha Resolution in vernacular language and English translation	Yes, attached
c)	Any other documents	Video CD of Gramsabha is enclosed.

Remarks

Recommended for issue of compliance certificate under Forest Right Act, 2006 and Amendment Rules, 2012 for proposed diversion of forest land measuring 332,100 Ha. (Rugudi- 4.990 Ha., Laidapada- 3.372 Ha., Topadhi-177.663, Guali-57.364 Ha., Panduliposi-58.054 Ha. and Siddhamatha Reserve Forest-30.657 Ha.) for non-forest purpose i.e, for Guali Iron Ore Mines of M/s OMCL.

Ajit Kumar Mahapatra (President) (Panduliposi)

Jalaya Naik (Sec)

Chandra Munda (President) (Laidapada)

Mansingh Panda (Sec)

Zelue Munda (Sec) (Rugudi)

S. S. Nayak (Sec) (Topadhi)

Signature of
resident/ Secretary, F.R.C.

Signature of the
Range Officer
Forest Range
BARBIL

Signature of the
Tahasildar, Barbil.
TAHASILDAR
BARB

Laxman Munda (President)
(via-Rugudi)

K. K. Dasgupta (President)
(via-Guali)

Ramesh Chandra Mohanty (Secretary) (Guali)

Bijay Naik (Secretary) (via-Topadhi)

FORMAT-I

Details of Revenue Forest lands for diversion. (supported by Map in Duplicate)

LAND SCHEDULE OVER 332.100 HA. OF FOREST AREA PROPOSED FOR DIVERSION PERTAINING TO GUALI ML AREA (358.258 HA.) OF M/S O.M.C. LTD.							
Name of the village	Plot No.	Kbata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	RoR Area (in Acres)	DGPS Area (in Ha)	Remarks
Sidhamatta R.F.					75.755	30.657Ha.	
Guali	1	175	Jungle	Jungle	20.500	7.812	Revenue Forest
	1/503	175	Jungle	Jungle	10.050	4.151	
	1/514	175	Jungle	Jungle	26.000	9.184	
	1/516	175	Jungle	Jungle	10.084	4.081	
	1/519	175	Jungle	Jungle	26.200	11.147	
	1/520	175	Jungle	Jungle	23.500	10.921	
	1/522	175	Jungle	Jungle	7.562	3.060	
	Sub-Total						50.356
	1/515	175	Gochar	Jungie	17.317	7.008	Sabir Forest
Total					141.213Ac	57.364	
Laharapada	1	67	patita	Jungle	0.550	0.263	Sabir Forest
	118	65	Adi	Jungle	0.180	0.007	
	119	67	patita	Jungle	2.730	1.172	
	120	67	Talla-I	Jungle	0.118	0.048	
	127	65	Gochara	Jungle	0.560	0.254	
	2	67	Patita	Jungle	0.180	0.054	
	223	65	Sarba Sardharan	Jungle	1.330	0.704	
	224	65	Sarba Sardharan	Jungle	0.536	0.217	
	3/386	67	Talla-I	Jungle	0.100	0.043	
	4/387	67	Talla-I	Jungle	0.060	0.049	
	389	175	Talla-I	Jungle	0.130	0.053	
	126/396	67	Talla-I	Jungle	0.086	0.035	
	154/401	65	Gochara	Jungle	0.190	0.073	
	217/487	1	Nayanjoi	Jungle	0.326	0.132	
139/473	65	Gochara	Jungle	0.520	0.268		
Sub-Total					7.596 Ac	3.372	
Prindulipas	104	73	Jungle	Patita	24.740	9.763	Revenue Forest
	3	71	Jungle	-	26.386	10.678	
	3/300	71	Jungle	-	48.336	19.561	
	3/301	71	Jungle	-	7.799	3.156	
	Sub-Total					107.261	43.158
	105	73	Talla-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as Forest by DFO, Koorjhar
	108	73	Talla-I	Unsurveyed	0.640	0.249	
	104/298	71	Besli Yogyo	Unsurveyed	3.720	1.657	
	104/403	71	Unnala Jelana yogyo	Unsurveyed	3.460	0.999	
	104/404	71	Unnala Jelana yogyo	Unsurveyed	5.000	2.115	
	104/405	71	Unnala Jelana yogyo	Unsurveyed	5.000	2.045	
104/406	71	Unnala Jelana yogyo	Unsurveyed	4.827	1.953		
Sub-Total					22.895	9.118	

K. Mochie Rm
FRA Asstt

TAHASILDAR
BARBIL

	26	25	Taila-II	Jungle	0.191	0.077	Sabik Forest	
	27	25	Taila-II	Jungle	0.079	0.032		
	30	52	Sarada-III	Jungle	0.016	0.007		
	3/308	25	Taila-I	Jungle	1.200	0.490		
	31	62	Sarada-III	Jungle	0.196	0.079		
	33	62	Taila-I	Jungle	0.298	0.121		
Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks	
Pandulipas	34	62	Blali	Jungle	0.101	0.041	Sabik Forest	
	3/349	62	Taila-I	Jungle	0.271	0.110		
	3/350	23	Taila-I	Jungle	0.100	0.039		
	3/351	6	Taila-I	Jungle	0.370	0.138		
	3/352	42	Taila-I	Jungle	0.700	0.266		
	3/353	22	Taila-I	Jungle	0.520	0.222		
	3/354	25	Taila-I	Jungle	0.550	0.214		
	3/355	18	Taila-I	Jungle	0.550	0.204		
	3/356	19	Taila-I	Jungle	0.500	0.216		
	3/358	2	Taila-I	Jungle	0.500	0.194		
	3/359	38	Taila-I	Jungle	0.500	0.214		
	3/360	52	Taila-I	Jungle	0.600	0.237		
	3/361	58/34	Taila-I	Jungle	0.600	0.255		
	3/362	37	Taila-I	Jungle	0.680	0.279		
	3/363	27	Taila-I	Jungle	1.200	0.473		
	104/364	23	Taila-I	Jungle	2.360	0.954		
	104/365	36	Taila-I	Jungle	1.100	0.453		
	104/366	17	Taila-I	Jungle	0.500	0.228		
	104/367	6	Taila-I	Jungle	0.200	0.091		
	55	71	Rasta	Jungle	0.356	0.144		
Sub-Total					14.238 Ac	5.778		
Total					107.261	58.054		
Rugudi Dihu	137	74	Sarada-III	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.060	0.024		
	139	74	Taila-I	Jungle	0.618	0.250		
	140	74	Sarada-I	Jungle	0.006	0.002		
	Sub-Total					0.802	0.324	
	1/452	72	Gramya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.531		
1/610	72	Gramya Jungle	Jungle	1.559	0.631			
Sub-Total					12.056	4.666		
Total					12.858 Ac	5.2034ha		
Tapadihi	1	126	patita	Jungle	2.740	1.135	Sabik Forest	
	20	126	Taila-II	Jungle	0.870	0.361		
	100	126	Taila-I	Jungle	0.490	0.197		
Tapadihi	101	126	Taila-I	Jungle	0.380	0.151	Sabik Forest	
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.060	0.023		
	107	126	Taila-I	Jungle	0.110	0.150		
	108	124	Rasta	Jungle	0.380	0.157		
	11	126	patita	Jungle	0.190	0.079		

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	111	127	Nala	Jungle	3.810	1.713	
	112	43	Taila-I	Jungle	0.580	0.277	
	115	124	Gochara	Jungle	12.218	4.945	
	118	124	Rasta	Jungle	0.440	0.190	
	12	126	Taila-II	Jungle	1.700	0.706	
	122	127	Nala	Jungle	0.500	0.220	
	123	119/17	Taila-I	Jungle	0.637	0.258	
Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	124	124	Rasta	Jungle	0.380	0.161	
	125	126	Patita	Jungle	0.210	0.109	
	126	124	Rasta	Jungle	0.080	0.040	
	127	126	patita	Jungle	2.540	1.060	
	128	124	Gharbari	Jungle	0.040	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	126	Taila-II	Jungle	1.180	0.487	
	130	124	Gharbari	Jungle	0.040	0.015	
	131	124	Rasta	Jungle	0.088	0.036	
	132	124	patita	Jungle	0.091	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Taila-II	Jungle	0.231	0.094	
	135	70	Taila-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.048	0.019	
	138	70	Taila-I	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mafara	Jungle	1.002	0.406	
	16	126	patita	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.619	
	18	119/2	karakhana	Jungle	0.740	0.328	
	2	126	patita	Jungle	1.410	0.583	
	24	126	patita	Jungle	0.730	0.305	
	28	126	Taila-II	Jungle	1.130	0.444	
	29	126	Taila-II	Jungle	0.770	0.305	
	3	126	patita	Jungle	1.740	0.715	
	10	119/2	karakhana	Jungle	1.840	0.729	
	8/307	126	Taila-II	Jungle	0.540	0.205	
	13/308	119/13	karakhana	Jungle	0.54	0.233	
	31	119/2	karakhana	Jungle	1.830	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.383	
	18/312	126	Taila-I	Jungle	0.690	0.279	
	31/313	126	Blali	Jungle	1.200	0.485	
	32/314	119/2	karakhana	Jungle	0.880	0.366	
	34/315	126	Blali	Jungle	1.230	0.498	
	47/316	119/13	karakhana	Jungle	1.700	0.697	
	53/317	126	Sarada-I	Jungle	0.320	0.131	
	58/318	126	patita	Jungle	0.260	0.111	
	32	126	Taila-I	Jungle	1.000	0.403	
	58/320	126	Taila-II	Jungle	0.480	0.184	
	58/321	126	Taila-II	Jungle	0.700	0.272	
	58/322	126	Taila-II	Jungle	0.300	0.129	
	58/323	126	Taila-I	Jungle	0.850	0.370	

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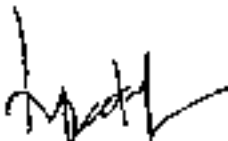
	58/324	126	patita	Jungle	1.000	0.391	
	58/325	78	Taila-I	Jungle	1.000	0.401	
	58/326	126	Taila-II	Jungle	0.660	0.273	
	59/327	78	Taila-II	Jungle	0.950	0.375	
	73/328	100	Taila-I	Jungle	0.490	0.202	
	44/329	72	Taila-II	Jungle	0.040	0.008	
Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acre)	DGPS Area (in Ha)	Remarks
Tapaditi	33	126	Taila-II	Jungle	1.510	0.614	Sabik Forest
	44/330	91	Taila II	Jungle	0.040	0.011	
	44/331	22	Patita	Jungle	0.040	0.012	
	44/332	56	patita	Jungle	0.040	0.012	
	44/333	20	patita	Jungle	0.040	0.010	
	44/334	106	Taila-II	Jungle	0.040	0.012	
	80/335	74	Taila-II	Jungle	0.040	0.012	
	80/336	69	Taila-II	Jungle	0.040	0.011	
	80/337	100	Taila-II	Jungle	0.040	0.011	
	80/338	39	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.050	0.018	
	34	119/2	Karakhana	Jungle	1.470	0.623	
	80/340	109	Taila-II	Jungle	0.040	0.015	
	80/341	91	Taila-II	Jungle	0.040	0.012	
	80/342	14	patita	Jungle	0.040	0.014	
	80/343	2	patita	Jungle	0.040	0.015	
	80/344	50	patita	Jungle	0.040	0.014	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	90	Taila-II	Jungle	0.040	0.014	
	78/347	95	Taila-II	Jungle	0.040	0.017	
	80/348	126	patita	Jungle	0.140	0.041	
	80/349	60	patita	Jungle	0.040	0.018	
	35	119/2	Karakhana	Jungle	0.180	0.477	
	80/350	36	patita	Jungle	0.040	0.015	
	80/351	8	Patita	Jungle	0.040	0.014	
	80/352	30	patita	Jungle	0.040	0.018	
	80/353	1	patita	Jungle	0.040	0.018	
	80/354	97	Taila-II	Jungle	0.040	0.014	
	80/355	67	Taila-II	Jungle	0.040	0.015	
	80/356	81	Taila-II	Jungle	0.040	0.015	
	78/357	118	Taila-II	Jungle	0.040	0.017	
	80/359	126	patita	Jungle	0.040	0.016	
	36	119/2	Karakhana	Jungle	2.100	0.826	
	80/360	126	patita	Jungle	0.040	0.016	
	80/361	126	patita	Jungle	0.040	0.014	
	80/362	126	patita	Jungle	0.040	0.017	
	80/363	126	patita	Jungle	0.040	0.015	
	80/364	31	patita	Jungle	0.040	0.015	
	80/365	4	patita	Jungle	0.040	0.016	
	80/366	59	patita	Jungle	0.040	0.017	
	80/367	126	patita	Jungle	0.180	0.051	

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85/368	126	patla	Jungle	0.040	0.018
85/369	126	patla	Jungle	0.040	0.016
37	126	Taila-l	Jungle	1.880	0.42
85/370	126	patla	Jungle	0.040	0.017
85/371	126	patla	Jungle	0.040	0.016
85/372	126	patla	Jungle	0.040	0.015
85/373	126	patla	Jungle	0.040	0.018

H. Modhta
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Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	85/417	126	Patita	Jungle	0.040	0.018	
Tapadihi	85/418	126	patita	Jungle	0.040	0.016	Sabik Forest
	85/419	126	patita	Jungle	0.040	0.012	
	42	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	Patita	Jungle	0.040	0.014	
	81/425	126	Patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	17	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	43	126	patita	Jungle	2.020	0.839	
	85/431	126	patita	Jungle	0.040	0.016	
	85/432	126	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.014	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	Patita	Jungle	0.040	0.016	
	44	126	Patita	Jungle	8.060	3.283	
	82/440	126	Patita	Jungle	0.080	0.037	
	82/443	126	Patita	Jungle	0.040	0.016	
	82/444	126	Patita	Jungle	0.040	0.016	
	82/445	126	Patita	Jungle	0.040	0.014	
	82/446	126	Patita	Jungle	0.400	0.121	
	82/447	126	Patita	Jungle	0.040	0.014	
	82/448	126	Patita	Jungle	0.040	0.016	
	82/449	126	Patita	Jungle	0.040	0.018	
	45	126	Taila-II	Jungle	4.010	1.647	
	82/450	126	Patita	Jungle	0.040	0.017	
	82/451	126	Patita	Jungle	0.040	0.018	
	82/452	126	Patita	Jungle	0.040	0.017	
	85/453	126	Patita	Jungle	0.040	0.017	
	85/454	126	Patita	Jungle	0.040	0.016	
	85/455	126	Patita	Jungle	0.040	0.018	
	86/456	126	Patita	Jungle	0.040	0.018	
	85/457	126	Patita	Jungle	0.040	0.014	
	85/458	126	Patita	Jungle	0.040	0.015	
	85/459	126	Patita	Jungle	0.040	0.014	
	46	126	Taila-II	Jungle	1.520	0.639	
	85/460	126	Patita	Jungle	0.040	0.014	
	82/461	126	Patita	Jungle	0.040	0.015	
	82/462	126	Patita	Jungle	0.040	0.013	
	82/463	126	Patita	Jungle	0.040	0.014	
	82/464	126	Patita	Jungle	0.040	0.015	
	82/465	126	Patita	Jungle	0.040	0.013	

H. Mochuba
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Name of the village	Plot No.	Khatra No.	Kissanu (After 25.10.1980)	Kissanu (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	82/466	126	Patita	Jungle	0.040	0.012	
	84/467	126	Patita	Jungle	0.040	0.015	
Tapadihi	84/468	126	Patita	Jungle	0.040	0.013	Sabik Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	47	126	Taila-I	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.040	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	126	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	52	Patita	Jungle	0.040	0.013	
	83/478	12	Patita	Jungle	0.040	0.016	
	83/479	5	Taila-II	Jungle	0.040	0.016	
	48	119/13	Karakhana	Jungle	0.190	0.073	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	96	Taila-II	Jungle	0.040	0.016	
	84/482	46	Patita	Jungle	0.040	0.015	
	84/483	99	Taila-II	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.040	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	79	Taila-II	Jungle	0.040	0.017	
	83/487	6	Patita	Jungle	0.040	0.019	
	83/488	82	Patita	Jungle	0.040	0.024	
	83/489	8	Patita	Jungle	0.040	0.019	
	49	61	Biali	Jungle	1.440	0.562	
	83/490	83	Taila-II	Jungle	0.040	0.023	
	83/491	21	Patita	Jungle	0.040	0.018	
	83/492	98	Taila-II	Jungle	0.040	0.021	
	83/493	43	Taila-II	Jungle	0.040	0.019	
	84/494	66	Patita	Jungle	0.040	0.021	
	86/497	126	Patita	Jungle	0.200	0.082	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	119/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.360	0.142	

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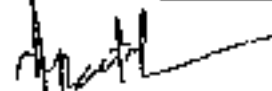
Name of the village	Plat No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	39/510	126	Patita	Jungle	0.040	0.015	
	36/511	126	Patita	Jungle	0.040	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	
Tapadihi	86/513	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	85/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.402	
	86/530	126	Patita	Jungle	0.040	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.180	0.048	
	54	126	Talla-ii	Jungle	1.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Talla-ii	Jungle	0.420	0.166	
	80/546	126	Talla-ii	Jungle	0.470	0.186	
	82/547	126	Paura	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	82/549	76	Talla-i	Jungle	0.750	0.336	
	55	126	Talla-ii	Jungle	0.870	0.353	
	108/550	25	Talla-ii	Jungle	0.440	0.191	
	109/551	126	Talla-i	Jungle	0.880	0.154	
	112/552	25	Talla-i	Jungle	0.280	0.11	
	115/554	93	Talla-ii	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.219	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Nala	Jungle	0.176	0.071	
	123/565	119/17	Talla-i	Jungle	0.090	0.197	
	124/566	124	Rasm	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.467	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	134/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	5.690	2.153	
	134/582	100	Talla	Jungle	0.300	0.106	
	134/583	69	Talla	Jungle	0.120	0.058	

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Name of the village	Plot No.	Khara No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
	134/584	94	Taila	Jungle	0.200	0.086	
	134/585	64	Taila-ii	Jungle	0.850	0.363	
	134/586	124	Patita	Jungle	0.186	0.075	
	5	126	Patita	Jungle	0.850	0.358	
Tapadihi	60	126	Taila-ii	Jungle	4.860	2.039	Sabik Forest
	78/618	126	Taila-i	Jungle	0.880	0.359	
	89/619	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	89/620	119/18	Karakhana	Jungle	0.550	0.226	
	90/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-i	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.520	0.215	
	91/624	119/10	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-i	Jungle	0.240	0.104	
	83/626	119/19	Karakhana	Jungle	0.680	0.262	
	134/629	124	Patita	Jungle	0.755	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.090	0.031	
	115/642	124	UJ	Jungle	0.208	0.084	
	66	126	Patita	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.060	0.023	
	7	126	Patita	Jungle	0.150	0.051	
	70	124	Gharabari	Jungle	0.700	0.298	
	71	126	Patita	Jungle	3.140	1.345	
	72	32	Taila-i	Jungle	1.200	0.546	
	73	126	Taila-I	Jungle	1.100	0.476	
	74	126	Taila-I	Jungle	1.250	0.512	
	75	126	Taila-I	Jungle	1.220	0.503	
	76	100	Sarada-I	Jungle	2.840	1.218	
	77	126	Taila-I	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-I	Jungle	1.110	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-II	Jungle	0.040	0.014	
	81	126	Patita	Jungle	1.240	0.49	
	82	126	Patita	Jungle	0.200	0.06	
	84	126	Patita	Jungle	0.220	0.043	
	86	126	Patita	Jungle	0.640	0.014	
	87	126	Taila-II	Jungle	0.860	0.331	
	89	126	Taila-ii	Jungle	0.380	0.158	
	9	126	Patita	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-I	Jungle	0.610	0.235	
	93	126	Biali	Jungle	0.330	0.133	
	94	126	Sarada-I	Jungle	0.680	0.266	
	95	102	Sarada-I	Jungle	0.990	0.416	

K. Mahila
AAA Awin

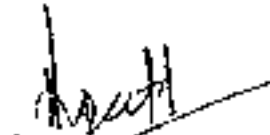

TAHASILDAR
BARBIL

	96	126	Taila -I	Jungle	0.330	0.133	
	97	47	Taila -I	Jungle	0.480	0.196	
	98	47	Taila -I	Jungle	0.600	0.237	
	99	97	Sarada -I	Jungle	1.010	0.412	
				Sub-Total	142.255	73.820	
Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadili	112/553	126	Jungle	Jungle	0.410	0.135	Revenue Forest
	114	126	Jungle	Jungle	37.450	15.141	
	17/300	126	Jungle	Jungle	3.094	1.252	
	61/303	124	Gramya Jungle	Jungle	32.791	13.270	
	61/304	126	Jungle	Jungle	53.750	21.781	
	61/305	126	Jungle	Jungle	31.930	13.054	
	61/306	126	Jungle	Jungle	32.500	12.866	
	61/311	126	Jungle	Jungle	8.905	3.606	
	123/628	124	Jungle	Jungle	0.273	0.111	
	61	126	Jungle	Jungle	39.250	15.835	
	115/641	126	Jungle	Jungle	0.044	0.018	
	115/643	126	Jungle	Jungle	0.019	0.008	
	65	126	Jungle	Jungle	0.840	0.333	
	61/650	126	Jungle	Jungle	1.500	0.622	
	83	126	Jungle	Jungle	13.820	5.811	
				Sub-Total	256.580	103.843	
				Total		177.663 Ha	

**ABSTRACT OF THE LAND SCHEDULE OVER 332.100 HA. OF FOREST LAND
(AS PER HAL & SABIK RECORD)**

Name of the village	R.F.	Revenue Forest	FOREST LAND IN HECT.		
			Forest land as on 25.10.1980 (Sabik)	Treated Forest	Total
Guali	Nil	50.356	7.003		57.364
Loharapada	Nil		3.372		3.372
Pandulipasi	Nil	43.158	5.778	9.118	58.054
Kugudi Dihl	Nil	4.656	0.324		4.99
Tapadili	Nil	103.843	73.820		177.663
Sidhamatha R.F.	30.657				30.657
Total	30.657	202.023	90.302	9.118	332.100

H. Maintra
FRA Amiy


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FORMAT- II

A) For Revenue Forest Land (Forest Right Claims)

Sl. No.	Name of the claimant under F.R. Act	Khata No	Plot No.	Area	Whether approved in FRC	Whether approved in SDLC	Whether approved in Dist. Level Committee	Remarks
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
15)	Upendra Naik	71	3/301/1	Ac. 2.000	Yes	Yes	Yes	Such claims does not resting over proposed land
	Mangulu Naik	71	3/5/3	Ac. 0.660	Yes	Yes	Yes	
	Sahadeb Naik	71	3/8	Ac. 0.590	Yes	Yes	Yes	
	Prasulla Naik	71	3/300/1	Ac. 0.390	Yes	Yes	Yes	
			3/7	Ac. 0.680	Yes	Yes	Yes	
			3/300/2	Ac. 0.300	Yes	Yes	Yes	
	301/2	Ac. 0.920	Yes	Yes	Yes			
	Arjun Naik	71	3/10	Ac. 0.440	Yes	Yes	Yes	
	Bhima Naik	71	3/11	Ac. 0.720	Yes	Yes	Yes	
	Dasarathi Naik	71	3/1	Ac. 0.330	Yes	Yes	Yes	
	Kalanda Charan Naik	71	3/2	Ac. 0.300	Yes	Yes	Yes	
	Dasharathi Naik	71	3/3	Ac. 0.330	Yes	Yes	Yes	
	Gobha Naik	71	3/4	Ac. 0.400	Yes	Yes	Yes	
	Jayantimsyee Mahapatra	71	3/12	Ac. 0.650	Yes	Yes	Yes	
	Rabindra Kumar Naik	71	3/5	Ac. 0.450	Yes	Yes	Yes	
Bhujabai Naik	71	3/5	Ac. 0.280	Yes	Yes	Yes		


FORMAT-III

B) For Reserved Forest Land (Forest Right Claims)

Sl. No.	Name of the claimant under F.R. Act	Khata No	Plot No.	Area	Whether approved in FRC	Whether approved in SDLC	Whether approved in Dist. Level Committee	Remarks
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

R. Mahapatra
FRA Amin, Barbil.


Forest Range Officer
BARBIL


Tahasildar, Barbil.
TAHASILDAR
BARBIL

01. MOUZA-RUGUDI

Sl.No	Beneficiary Name	Father's Name	Khata No	Plot No	Kissam	Area
"NIL" IFR CLAIMS						

02. MOUZA-LAIDAPADA

Sl.No	Beneficiary Name	Father's Name	Khata No	Plot No	Kissam	Area
"NIL" IFR CLAIMS						

03. MOUZA-TOPADIHI

Sl.No	Beneficiary Name	Father's Name	Khata No	Plot No	Kissam	Area
"NIL" IFR CLAIMS						

04. MOUZA-GUALI

Sl.No	Beneficiary Name	Father's Name	Khata No	Plot No	Kissam	Area
"NIL" IFR CLAIMS						

Verified the village Rugudi, Laidapada, Topadihi and Guali and found there is no claims has been settled under F.R. Act.

K. Mahanta
FRA, AMIN


WEO, JODA
Welfare Extension Officer
Joda, Dist.- Keonjhar


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BARB:

5. MOUZA-PANDULIPOSTI

S.No	Beneficiary Name	Father's Name	Khata No	Plot No	Kissam	Area
1	Upendra Naik	Maheswar Naik	71	3/301/1	Jungle	2.00
2	Mangulu Naik	Bagi Naik	71	3/6/3	Jungle	0.66
3	Sahadeb Naik	Lochu Naik	71	3/8	Jungle	0.59
			71	3/300/1	Jungle	0.39
4	Prafulla Naik	Marthu Naik	71	3/7	Jungle	0.68
			71	3/300/2	Jungle	0.30
			71	301/2	Jungle	0.92
5	Arjun Naik	Ganeshwar Naik	71	3/10	Jungle	0.44
6	Bhima Naik	Bagi Naik	71	3/11	Jungle	0.72
7	Dasharathi Naik	Thenguru Naik	71	3/1	Jungle	0.33
8	Kalandi charan Naik	Balragi Naik	71	3/2	Jungle	0.30
9	Dasharathi Naik	Lochan Naik	71	3/3	Jungle	0.33
10	Golha Naik	Aachab Naik	71	3/4	Jungle	0.40
11	Jayalalimaye Mahapatra	Kailash ch Mahapatra	71	3/12	Jungle	0.65
12	Rabindra Ku Naik	Maheswar Naik	71	3/9	Jungle	0.45
13	Bhujbal Naik	Chaitu Naik	71	3/5	Jungle	0.28

Verified the village Panduliposi and found 13 (Thirteen) numbers of IFR claims settled over the above land under F.R. Act. But the IFR claimant does not residing over the said settled land and village Rugudi, Laidapada, Topadihi and Guali and no claims has been settled under F.R. Act.

Further, on verification there is no Primitive Tribal Groups and pre-agricultural community have been specifically over the proposed village.


K. Mahanta
FRA, AMIN



WEO, JODA
Welfare Extension Officer
Joda Dist. - Keonjhar


TAHASILDAR
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Form-II

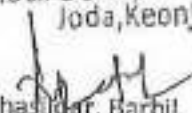
- a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire 332.100 Ha. of land proposed for diversion of area in involved in village Rugudi- 4.990 Ha., Laidapada- 3.372 Ha., Topadihi-177.663, Guali-57.364 Ha., Panduliposi-58.054 Ha. and Siddhamatha Reserve Forest-30.657 Ha. as revealed from the proceeding of the Grama Sabha.
- b) The proposal for such diversion in vernacular/local language have been placed before each concerned Gramasabha Sabha of forest dweller, who are eligible under the FRA, as revealed from the proceeding of the Grama Sabha.
- c) The concerned Grama Sabha has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and compensation and ameliorative measures, if any, having understood the purpose and the details of the proposed diversion.
- d) It reveals from the enquiry report furnished by Revenue and Forest Personnel the discussion and decision on such proposal had taken place only when there was a Quorum of minimum 50% of the members of the village present.
- e) It reveals from the enquiry report furnished by Revenue and Forest Personnel that no such facilities managed by the Govt. as required under section 3 (2) of the FRA requiring diversion of forest land exist within the applied area as-
- f) The right of PTG and PAC where applicable have been specifically safeguarded as per section 3 (1) (e) of the FRA as reveals from the enquiry report furnished by Revenue and Forest Personnel.
- g) It reveals from the proceeding of the Grama Sabha of village that no ST or OTFD were in possession of the forest land proposed for diversion before 13.12.2005.
- h) Further it reveals from the Grama Sabha proceeding of above villages that no tribal or OTFD are presently residing and 13 (Thirteen) number of title of rights has been granted under the ST & OTFD (RFR) at 2006 at village Panduliposi under khata No.71 of measuring an area Ac. 9.440, but such claims are not residing the proposed forest land of user agency.


Sub-Collector, Champua
Champua


Welfare Extension Officer, Joda
Welfare Extension Officer,
Dist - Keonjhar


Forest Range Officer,
Champua Range


Block Development Officer, Joda
Block Development Officer,
Joda, Keonjhar


Tahasildar, Barbil,
TAHASILDAR
BARBIL

CERTIFICATE OF VERIFICATION

1. Certified that more than 50% voters of the village have attended the Gram Sabha and signed the resolution. Out of 418 voters of village Rugudihi, 227 voters have signed on the resolution copy out of which 109 members are women. Out of 671 voters of village Laidapada, 354 voters have signed on the resolution copy out of which 201 members are women. Out of 294 voters of village Topadihi, 162 voters have signed on the resolution copy out of which 76 members are women. Out of 838 voters of village Guali, 466 voters have signed on the resolution copy out of which 217 members are women. Out of 383 voters of village Panduliposi, 203 voters have signed on the resolution copy out of which 98 members are women.
2. Certified that serial nos of Electoral Roll have been mentioned against the signature/L.T.I. of the Gram Sabha Resolution.
3. Certificate regarding genuineness of signature/L.T.I. with reference to electoral roll was verified and found correct has been mentioned in each page of the Gram Sabha resolution.
4. Certified that the ST & OTFD (RFR) Act, 2006 and amendment Rule, 2012 has been ensured in respect of concerned village and there is are 13 (Thirteen) number of claim exist over the proposed plot of village Panduliposi, but such IFR claimant does not reside over the said settled land and in village Rugudi, Laidapada, Topadihi and Guali, there is no claims settled under FR, Act.


Tahasildar, Barbil
TAHASILDA,
BARBIL





**OFFICE OF THE PANCHAYAT SAMITI, JODA, KEONJHAR,
ODISHA-758038**

Email - ori-joda@nic.in

Letter No:- 1085 Date:- 14.03.2022

To,

The Tahasildar and Nodal Officer,
(FRA) Barbil.

SUB:- Issue of certificate ensuring compliance of STs & OTFDs (RFR) Act, 2006 in respect of Forest Land measuring 332.100 Ha, involved in Guali Iron Ore Mining Lease in favour of Odisha Mining Corporation (OMC) Limited.

Ref:- Letter number:-1505, Dated:- 16.08.2021 (TDA, Keonjhar).

Sir,

As per the instruction of the PA-TDA-cum-Dist. Nodal Officer (FRA), Keonjhar for conducting grama sabhas at villages Rugudi, Laidapada and Topadihi of Laidapada Grampanchayat and villages Guali and Panduliposi of Guali Grampanchayat under Barbil Tahasil in favour of Odisha Mining Corporation (OMC) Limited, I am to inform you that the Grama Sabhas for diversion of forest land as per the details given below have been conducted in the concerned villages. The consent/proceeding copies of the Grama Sabhas along with all documents (annexure-1) in triplicate have been attached herewith for favour of your kind perusal and onward transmission of the same to the SDLC Champua.

Name of the Village	Name of G.P	Date of holding G.S	Time	Place	Sarpanch Notice No. & Date	Area in Ha	Area in H. (Siddham. the Reserve Forest)
Rugudi	Laidapada	06.11.2021	11.00 AM	Rugudi Anganawadi Centre	31/20.10.21	4.990 Ha	30.657
Laidapada	Laidapada	27.10.2021	12.00 PM	Laidapada Mandap	25/08.10.21	3.372 Ha	
Topadihi	Laidapada	27.10.2021	9.00 AM	Topadihi Mandap	25/08.10.2021	177.663 Ha	
Guali	Guali	16.12.2021	10.00 AM	Thakurani Mandap	75/30.11.2021	57.364 Ha	
Panduliposi	Guali	16.12.2021	2.00 PM	Bollasehi Football Ground	75/30.11.2021	58.054	

Yours faithfully,

[Signature]

ANNEXURE-1

DOCUMENT ENCLOSED :-

1. Certified copies of the Grama Sabha Proceedings in respect of villages Rugudi, Laidapada, Topadahi, Guali & Panduliposi.
2. Video CD of Grama Sabhas.
3. Still Pictures in respect of Grama Sabhas.
4. Notice issued by Sarapanch to conduct Grama Sabhas.
5. Copies of the letters of BDO, Joda.
6. Map showing category of forest land over mining lease.
7. Verified voters list of all the villages.

Rm
4/10/22
Block Development Officer,
Joda, Koraput
Dist. Koraput

ଗ୍ରାମସଭା ଖାତା

ନେତୃତ୍ୱ ଓ.ଏମ.ସି. ଲିଃ

ଗ୍ରାମ : ପଣ୍ଡୁଲିପଣି

ଗ୍ରା.ପ. : ଗୁଆଲି

ବ୍ଲକ : ଯୋଡ଼ା

ଜିଲ୍ଲା : କେନ୍ଦୁଝର



Office of the Sarpanch
GUALI GRAM PANCHAYAT, GUALI

Smt. Padmabati Naik, Sarpanch Guali G.P.
 At./P.O. : Guali, P.S : Rugudihi, Dist. : Keonjhar (Odisha) Pin : 758035
 Mob. : 9438588229

Ref. No.....୧୫.....

Date.....16/12/20

ପ୍ରାପ୍ତେଷୁ,

ଗୋଷୀ ଭଲୟନ ଅଧିକାରୀ, ଯୋଡ଼ା

ବିଷୟ - ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଃ ର ଗୁଆଲି ଲୌହଖଣି ଖନନ ନିମନ୍ତେ ଆବଶ୍ୟକ ହେଉଥିବା ପତ୍ତିପତ୍ର ଗ୍ରାମର ଅଧିକୃତ ଜଙ୍ଗଲ ଜମିକୁ ଅଣଜଙ୍ଗଲ ଭବେକ୍ଷ୍ୟରେ ବ୍ୟବହାର ନିମନ୍ତେ ଗ୍ରାମସଭା ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ଆପଣଙ୍କ କାର୍ଯ୍ୟାଳୟ ପତ୍ର ସଂ. ୨୭୪୩, ତା. ୦୯.୦୯.୨୦୨୧

ମହାଶୟ,

ଉପରୋକ୍ତ ବିଷୟ ପ୍ରତି ଧ୍ୟାନ ଆକର୍ଷଣ ପୂର୍ବକ ଜଣାଇବାକୁ ଚାହେଁଇଁ ଆପଣଙ୍କ ଆଦେଶ ଅନୁଯାୟୀ ଆମ୍ଭ ଗ୍ରା. ପ. ଅନ୍ତର୍ଗତ ପଞ୍ଚୁଳିପଣି ଗ୍ରାମର ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଃ ଦ୍ୱାରା ୫୮.୦୫୪ ହେକ୍ଟର ଏବଂ ସିବମଠ ଉତ୍ତର ପରେଷ୍ଟର ୩୦.୨୫୭ ହେକ୍ଟର ଜମିକୁ ଅଣ ଜଙ୍ଗଲ ଜମି ଭାବରେ ବ୍ୟବହାର ନିମନ୍ତେ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପରିକ ବନବାସୀଙ୍କ ଇଚ୍ଛା ଅଧିକାର ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ର ପରିପାଳନ ଭବେକ୍ଷ୍ୟରେ ଗତ ତା ୧୭/୧୨/୨୦୨୧ ରିଖ ଅପରାହ୍ନ ୦୨.୦୦ ଘଟିକା ସମୟରେ ବାଲିଆସାହି ପୁଟବଲ ପଡିଆ ଠାରେ ପୂର୍ବ ନିର୍ଦ୍ଧାରିତ କାର୍ଯ୍ୟସୂଚୀ ଅନୁଯାୟୀ ଏକ ପଞ୍ଚାସଭା ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଏହି ପଞ୍ଚାସଭାରେ ସରକାରଙ୍କ ନିୟମାନୁଯାୟୀ ୫୦ ପ୍ରତିଶତରୁ ଉର୍ଦ୍ଧ୍ୱ ସାବାଜକ ଭୋଟର ଅଂଶଗ୍ରହଣ କରି ସେମାନଙ୍କର ମତାମତ ଦେଇ ଉପରୋକ୍ତ ପ୍ରସ୍ତାବକୁ ଅନୁମୋଦନ କରିଥିଲେ ।

ପଞ୍ଚାସଭା ନିର୍ଦ୍ଧାରଣ ଏକକିତା ନକଲ ଆବଶ୍ୟକୀୟ କାରଜାତ ସହ ଆପଣଙ୍କ ଗୋଚରାର୍ଥେ ଓ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ଦାଖଲ କରାଗଲା ।

ଆପଣଙ୍କ ବିଶ୍ୱସ୍ତ

Padma
 ସରପଞ୍ଚ ଗୁଆଲି ଗ୍ରା. ପ.
 Guali Gram Panchayat
 Odisha

ସଂଲଗ୍ନ ହୋଇଥିବା ନଥିପତ୍ର

୧. ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରାମାଣିତ ବିବରଣୀ

୨. ଦୃଶ୍ୟ ଶାବ୍ଦ (ଲିଟିଂ ସିଡି)

୩. ସ୍ଥିର ଚିତ୍ର

୪. ପ୍ରଚାର ଚିତ୍ର

୫. ଯାହା ହୋଇଥିବା ଭୋଟର ଲିଷ୍ଟ ନକଲ

୬. ଅଣ ଭଲଭାବ ଭାବେ ବ୍ୟବହାର ହେବାକୁ ଥିବା ପ୍ରତ୍ନାବିତ ଚମ୍ପିନ ନକସା

୭. ଜ୍ୟୋତ୍ସ୍ନା ଚଳୟନ ଅଧିକାରୀଙ୍କ ଆଦେଶ ପତ୍ର

୮. ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁଷ୍ଠିତ କର୍ମିଣୀ ପାଇଁ ଗ୍ରା. ପ. ପ୍ରାଣୀ ଭାରି କଲ୍ୟାଣପୁରା ନୋଟିସ

୯. ଉପାଧିକାର ପ୍ରମାଣ ପତ୍ର

Pamra
Ganpali
Joshi Gram Panchayat
Dist. Keonjhar

ଗାମ : ପଣ୍ଡୁଲପଣ୍ଡି

ସମୁଦାୟ ଲୋଚରକ ସଂଖ୍ୟା = ୩୮୩ (ପୁରୁଷ = ୧୮୭ ଓ ମହିଳା = ୧୯୬)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୨୫୭

ସେଥିରୁ ଦସ୍ତଖତ ଲୋଚରକ ସଂଖ୍ୟା = ୨୦୩


ମହିଳା = ୯୮


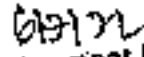
ପୁରୁଷ = ୧୦୫

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବର ବୃତ୍ତିକ ଗୁଆଳି , ରୁଗୁଡ଼ିହି ଇତ୍ୟାଦି ଗ୍ରାମର ଲୋଚରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୧୮, ୨୩, ୨୫, ୨୭, ୪୫, ୨୪, ୨୭, ୨୯, ୨୦, ୨୩, ୯୦, ୯୪, ୧୦୨, ୧୦୭, ୧୦୮, ୧୦୯, ୧୧୦, ୧୧୩, ୧୨୩, ୧୨୯, ୧୩୭, ୧୫୯, ୧୬୧, ୧୬୩, ୧୬୫, ୧୬୭, ୧୬୮, ୧୬୯, ୧୭୦, ୧୭୧, ୧୭୨, ୧୭୩, ୧୭୩, ୧୭୪, ୧୭୫, ୧୭୯, ୧୮୧, ୧୮୨, ୧୮୩, ୧୮୫, ୧୮୬, ୧, ୨, ୩, ୪, ୫, ୬, ୭, ୮, ୯, ୧୦, ୧୧, ୧୨, ୧୩, ୧୪, ୧୫, ୧୬, ୧୭, ୧୮, ୧୯, ୨୦, ୨୧, ୨୨, ୨୩, ୨୪, ୨୫, ୨୬, ୨୭, ୨୮, ୨୯, ୩୦, ୩୧, ୩୨, ୩୩, ୩୪, ୩୫, ୩୬, ୩୭, ୩୮, ୩୯, ୪୦, ୪୧, ୪୨, ୪୩, ୪୪, ୪୫, ୪୬, ୪୭, ୪୮, ୪୯, ୫୦, ୫୧, ୫୨, ୫୩, ୫୪, ୫୫, ୫୬, ୫୭, ୫୮, ୫୯, ୬୦, ୬୧, ୬୨, ୬୩, ୬୪, ୬୫, ୬୬, ୬୭, ୬୮, ୬୯, ୭୦, ୭୧, ୭୨, ୭୩, ୭୪, ୭୫, ୭୬, ୭୭, ୭୮, ୭୯, ୮୦, ୮୧, ୮୨, ୮୩, ୮୪, ୮୫, ୮୬, ୮୭, ୮୮, ୮୯, ୯୦, ୯୧, ୯୨, ୯୩, ୯୪, ୯୫, ୯୬, ୯୭, ୯୮, ୯୯, ୧୦୦, ୧୦୧, ୧୦୨, ୧୦୩, ୧୦୪, ୧୦୫ ।


Panchayat Executive Officer
GUALI G. P.



Block Development Officer
Joda, Keonjhar

ଗାମ : ପଣ୍ଡିପତି

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୩୮୩ (ପୁରୁଷ = ୧୮୭ ଓ ମହିଳା = ୧୯୬)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୨୫୭

ସେଥିରୁ ଦସ୍ତଖତ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୨୦୩

ମହିଳା = ୯୮

ପୁରୁଷ = ୧୦୫

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବରଗୁଡ଼ିକ ଗ୍ରାମୀଣ ସ୍ୱତନ୍ତ୍ର ଗ୍ରାମପଞ୍ଚାୟତର ମାଧ୍ୟମରେ ଭୋଟରମାନଙ୍କେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୧୮, ୨୩, ୨୫, ୨୭, ୪୫, ୭୪, ୭୭, ୭୯, ୭୦, ୭୩, ୯୦, ୯୪, ୧୦୨, ୧୦୭, ୧୦୮, ୧୦୯, ୧୧୦, ୧୧୩, ୧୨୩, ୧୨୯, ୧୩୭, ୧୫୯, ୧୬୧, ୧୬୩, ୧୬୫, ୧୬୭, ୧୭୮, ୧୭୯, ୧୭୦, ୧୭୧, ୧୭୨, ୧୭୩, ୧୭୩, ୧୭୪, ୧୭୫, ୧୭୯, ୧୮୧, ୧୮୨, ୧୮୩, ୧୮୫, ୧୮୬, ୧୮୭, ୧୮୮, ୧୮୯, ୧୯୦, ୧୯୧, ୧୯୨, ୧୯୩, ୧୯୪, ୧୯୫, ୧୯୬, ୧୯୭, ୧୯୮, ୧୯୯, ୧୦୦, ୧୦୧ ଓ ୧୦୨ ।

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Sarpati
Sarpati Gram Panchayat
Dist. Keonjhar

16	Shyama Bai		
17	Kanhabai Chhatrapati Mahapalika	189	RFZ1490432
18	Mahadev Naik	150	RFZ1223355
19	Prasanna Bai	70	HSR3356482
20	Siddhanta	112	HSR3357175
21	Pradyumn Mahapalika		
22	LTI Galapai Munda	347	OR/21/142/124091
23	Pradyumn Mahapalika		
24	Sushil Mahapalika	235	OR/21/142/124095
25	Pradyumn Mahapalika		
26	Pradyumn Mahapalika	131	RFZ1542414
27	Pradyumn Mahapalika	334	RFZ1209830
28	LTI Galapai Munda		
29	Pradyumn Mahapalika	363	OR/21/142/124017
30	Pradyumn Mahapalika	192	HSR3356474
31	Pradyumn Mahapalika	136	RFZ0642132
32	Pradyumn Mahapalika		
33	Pradyumn Mahapalika	210	HSR3355294
34	Bahaimahapalika	379	OR/21/142/124738
35	LTI Galapai Munda	64	HSR3356508
36	LTI Galapai Munda	109	OR/21/142/124138
37	Sadhvi Mahapalika	188	HSR3355583
38	Sadhvi Mahapalika	288	HSR3372494
39	LTI Galapai Munda	361	RFZ1542406
40	LTI Galapai Munda	334	RFZ1203231

41	LTE - Jyoti Mundra	21	RF20022640
42	ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ମାଳି	158	HSR3358260
43	Rangulata Malik	10	HSR3355567 ✓
44	LTE - Parshad Malik	163	OR/21/142/124136
45	ମାଳି		
46	ମାଳି	164	RF20020407
47	ମାଳି	198	RF70826040
48	ମାଳି	162	OR/21/142/124179
49	ମାଳି	210	HSR3430023
50	ମାଳି	83	RF20186627
51	ମାଳି	176	RF20642041
52	LTE of Ashwala Malik	154	HSR33555252
53	ମାଳି	254	RF20527088
54	LTE of Malu Mahalched	60	RF21503314
55	Gitanami Makod	205	RF21128586
56	Malik	226	OR/21/142/124166
57	ମାଳି	125	RF20800482
58	LTE of Chanchal Mahapatra	191	OR/21/142/124212 ✓

6

59	Handwritten name	88	HSR372108
60	Handwritten name	285	HSR3712478
61	Handwritten name	279	RF20022749
62	Handwritten name	215	HSR3355286
63	Handwritten name	78	28/21/145/12421
64	Handwritten name		
65	Handwritten name	206	28/21/145/124200
66	Handwritten name	352	RF20800278
67	Handwritten name		
68	Handwritten name	306	HSR3356854
69	Handwritten name		
70	Handwritten name		
71	Handwritten name	296	OR/21/142/24162
72	Handwritten name	128	RF2122348
73	Handwritten name		
74	Handwritten name	143	RF21122340

~~73~~ ~~Handwritten text~~

252 OR/21/142/124113

74. "Chandmani" Munda

341 RPZ 1208322

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75. "Guni" Munda

336 HSR 9956490

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76. "Mani" Munda

340 RPZ 1542869

77. "Guni" Munda

107 REZ 1178391

78. "Guni" Munda

115 HSR 3712361

79. "Sukramani" Munda

315 OR/21/142/124047

80. "Sukramani" Munda

27 OR/21/142/124028

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81. "Sukramani" Munda

283 OR/21/142/124069

82. "Sukramani" Munda

248 RPZ 0611277

83. "Sukramani" Munda

97 RPZ 0642025

84. "Sukramani" Munda

148 RPZ 064074

85. "Sukramani" Munda

275 OR/21/142/124070

86. "Sukramani" Munda

84 RPZ 0641007

87. "Sukramani" Munda

105 RPZ 0641058

88. "Sukramani" Munda

177 RPZ 0826073

89. "Sukramani" Munda

302 HSR 2356680

93	Minister Kev Malapaka	187	RFZ1475649
94	Minister Kev Malapaka		
95	Raja Kev Malapaka	261	RFZ1203447
96	Minister Kev Malapaka	310	RFZ0828107
97	Gabener Manda	256	HSR3356698
98	Dawabanta Nalk	1162	RFZ0800318
99	Ranash ch Nalk	228	RFZ1123265
100	Raja Nalk	168	RFZ0826099
101	Raja Nalk	177	RFZ0826043
102	Raja Nalk		
103	Harshabesha Malapaka	11	HSR3355559
104	Raja Nalk	200	RFZ0826099
105	BIMASH Nalk	144	RFZ1488319
106	Raja Nalk	110	RFZ1203272
107	Raja Nalk	17	RFZ0826099
108	Raja Nalk	252	RFZ0472266
109	RAKESH NALK	243	RFZ1203215
110	Raja Nalk	104	RFZ1140046
111	Raja Nalk		
112	Raja Nalk		
113	Raja Nalk		
114	Raja Nalk	184	RFZ1203230

115	GURU NAIK	130	RFZ10408415
116	Dangwar NAIK	159	RFZ2003308
117	Sarif NAIK	223	HSR3711991
118	LADAI Motamalle NAIK	119	RFZ1481522
119	LADAI Manka NAIK	344	OR/21/142/124032
120	LADAI Sushra NAIK	413	OR/21/142/124077
121	LADAI Ashrafi NAIK	113	HSR3257183
122	LADAI Mangar NAIK	332	RFZ1203223
123	LADAI Anis NAIK		
124	Nahina NAIK	90	OR/21/142/124131
125	LADAI Anis NAIK	35	880 HSR3712528
126	Rameed NAIK	45	HSR3712445
127	Prasanna NAIK	80	OR/21/142/124127
128	BADAT NAIK	158	RFZ0640233
129	Rameed NAIK		
130	Nahina NAIK	110	RFZ1403184
131	LADAI Anis NAIK	331	RFZ0642142
132	LADAI Anis NAIK	855	RFZ1542877

132	Afandi Naik	168	RFZ1040369
133	Haydar Naik	124	RFZ1040369
135	Sumarti Murni	269	RFZ1040369
136	Arif Naik	267	RFZ0472225
138	Rizki Naik	1420	RFZ0640224
139	Pratiwi Naik	123	HSR3480048
140	Bramati Naik	166	RFZ1023612
141	Rahman Naik	207	RFZ1040227
142	Ciffary Naik	240	RFZ0642165
143	Fitri Naik	160	OR/21/142/14413
144	Fitri Naik	381	HSR3712577
145	Fitri Naik	354	RFZ1040252
146	Fitri Naik	214	RFZ1040187
147	Andika Alaudan Pantan	310	RFZ0226107
148	Fitri Naik	53	RFZ1423813
149	Fitri Naik	53	HSR3712577
150	Fitri Naik	139	OR/21/142/14415
151	Fitri Naik	197	RFZ0351388
152	Fitri Naik	40	OR/21/142/121010

153	Arcun Naik		
154	Bijayanti Naik	243	HSR3356946
155	Sahita Naik	138	RFZ1128578
156	Etaj Albi	98	REZ1040294
157	Karavai Naik	71	OR121112/174167
158	Pratik Rasika Much	126	RFZ1203348
159	Mahika Naik	351	RFZ0800243
160	Pooja Naik		
161	Laxmi Naik	268	RFZ0826065
162	Mamata Naik	58	RFZ1510443
163	Sanshiyadani Naik		
164	Dadshar Naik	67	OR121142/124119
165	Etaj Albi		
166	Sushama Naik	169	RFZ1128560
167	Siddha Mahakud		
168	Manata Mahakud		
169	Kamala Mahakud		
170	Sushama Mahakud		
171	Anita Naik		
172	Bhiksha Naik		
173	Susila Naik		
174	Supriya Naik		
175	Sushama Naik	72	HSR3356946
176	Radha Bai	47	OR121142/124042

178	padmani mahapatra	01	RFZ0412058
179	19921954		
180	श.श.श. श.श.श.	342	RFZ1203249
181	K. S. Munda		
182	प.प.प. प.प.प.	29	OR/21/142/124089
183	Tessa Munda		
184	श.श.श.	373	RFZ1423839
185	LAUSHA NAIK		
186	अ.अ.अ. अ.अ.अ.		
187	Janki munda	29	MSR3355245
188	LTS of Salam Singh	233	RFZ1208389
189	LTS of Barsing munda	330	RFZ0642017
190	Mithun Nair	116	MSR3712799
191	LTS of Sanku munda	337	MSR3712452
192	Jagabandhu Nain	101	RFZ1428881
193	Jagan nair	163	OR/21/142/124180
194	LTS of Jagannath munda	364	RFZ0472217
195	श.श.श. श.श.श.	91	RFZ0641993
196	श.श.श. श.श.श.	122	MSR3430055
197	LTS of Sana munda	349	RFZ0905970
198	श.श.श. श.श.श.	108	OR/21/142/124127
199	श.श.श. श.श.श.	149	RFZ1040260
200	LTS of J. P. Munda	141	MSR3712502

200 Loggawon Mahamud

284 HSR35529

201 LTRK/Kuni manta

22 HSR351178

202 LTRK/Tea Tinoda

16 RFZ139572

203 LTRK/Kusala Nara

263 HSR3350109

204 Arit-Arit

205 Jombang hain

218 RFZ1240157

97 RFZ0642

206 Eyang Nibab

207 LTRK/mada munda

239 RFZ0300601

46 RFZ104028

208 Ajar Lohar

227 RFZ1128594

209 LTRK/Mada munda

OR/2/12/12474

210 RIRIS GELI

48 RFZ0642123

211 LTRK LTRK/Ludini

23 HSR3390490

212 RIRIS GELI

209 HSR3355351

213 RIRIS GELI

OR/2/12/12403

214 Bidadia Chan Nibab

04 HSR335534

215 LTRK Jambak manta

269 OR/1/12/12404

216 Ajar Lohar

OR/1/12/12470

218	Kesava Nair	94	RF20022848
219	LTU Keshava Nair	268	OR/21/142/124761
220	LTU Keshava Nair	184	OR/21/142/124771
221	JITU NAIR	89	RF21423813
222	LTU Keshava Nair	30	RF20022632
223	Jit Kumar Mahapatra	5	HSR37123121
224	Santunu Loharia	327	HSR3712684
225	LTU Keshava Nair	81	OR/21/142/1241904
226	Sanu Mahapatra	62	HSR3712284
227	Kalyananda Nair LTU	139	HSR3756516
228	Indu Nair	220	HSR3430014
229	LTU Gobinda Munda	838	HSR13712408
230	Dilip Kumar Nair	255	RF20842157
231	LTU Keshava Nair	171	RF20852614
232	Darshan Munda	398	HSR3356003
233	LTU Keshava Nair	120	HSR3712064
234	Magda Debi	132	OR/21/142/124150
235	Sunita Nair	135	RF21040278
236	LTU Keshava Nair	49	RF21040344
237	LTU Keshava Nair	114	HSR3711848
238	Korata Nair	257	RF20826032

200	logruwa	194	HSR34301391
201	Uthra Kanti orunda	247	RP21468438
202	Uthra Kanti		
203	Uthra Kanti	360	HSR3412650
204	Kusara nandi	318	OR/21/142/124747L
205	Ait		
206	Tasab	879	HSR3712486
207	Uthra Kanti	106	RP20800859
208	Uthra Kanti	274	RP21040203
209	Ait	06	RP20186593
210	Uthra Kanti	140	HSR3712692
211	Uthra Kanti	164	RP20751396
212	Uthra Kanti	65	OR/21/142/124109
213	Uthra Kanti	58	RP20800391
214	Uthra Kanti	180	OR/21/142/124169
215	Uthra Kanti	370	OR/21/142/124014
216	Uthra Kanti	434	HSR3351050
217	Uthra Kanti	260	RP21203298
218	Uthra Kanti	181	HSR3355792
219	Uthra Kanti	298	RP21459841
220	Uthra Kanti	23	RP21178409

23	Gagan Mahipatra	199	HSR2400189
24	Mahipatra	247	RP21468438
241	[Redacted] Kuni Basha	360	HSR3712650
242	[Redacted]	318	PR121/142/124741
243	[Redacted] B. Shri Mahipatra	379	HSR3712488
244	[Redacted]	106	RP20800359
245	[Redacted] Mahipatra	274	RP21040208
246	[Redacted] Mahipatra	06	RP20186599
247	[Redacted] Mahipatra	140	HSR3712692
248	[Redacted] Mahipatra	164	RP20751396
249	[Redacted]	6	OR/21/142/124109
250	[Redacted]	589	RP20800351
251	[Redacted] Mahipatra	180	OR/21/142/124169
252	[Redacted] Mahipatra	370	OR/21/142/124014
253	[Redacted] Mahipatra	134	HSR3357050
254	[Redacted] Mahipatra	260	RP21203298
255	[Redacted] Mahipatra	181	HSR3355732
256	[Redacted] Mahipatra	298	RP21459841
257	[Redacted] Mahipatra	23	RP21178409

- ୧୫- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ।
- ୧୬- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ।
- ୧୭- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ।
- ୧୮- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ।
- ୧୯- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ।
- ୨୦- ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ।

ଶ୍ରୀ ଗୋବିନ୍ଦ କୁମାର ଦାସଙ୍କୁ ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ।

[Signature]

Panchayat Executive Officer
GUALI G.P.

Rathia Nela
ଶ୍ରୀ ଗୋବିନ୍ଦ କୁମାର ଦାସଙ୍କୁ

କ୍ରମ ନଂ. ୧୫ ଓ. ୧୫/୧୫/୧୫

ଶ୍ରୀ ଗୋବିନ୍ଦ କୁମାର ଦାସଙ୍କୁ ଗ୍ରାମୀଣ କୋଷ୍ଠାଳୟର ସାହାଯ୍ୟ କରିବା ପାଇଁ ଓ କାର୍ଯ୍ୟକ୍ରମ ଗଠନ କରିବା ପାଇଁ ।

[Signature]

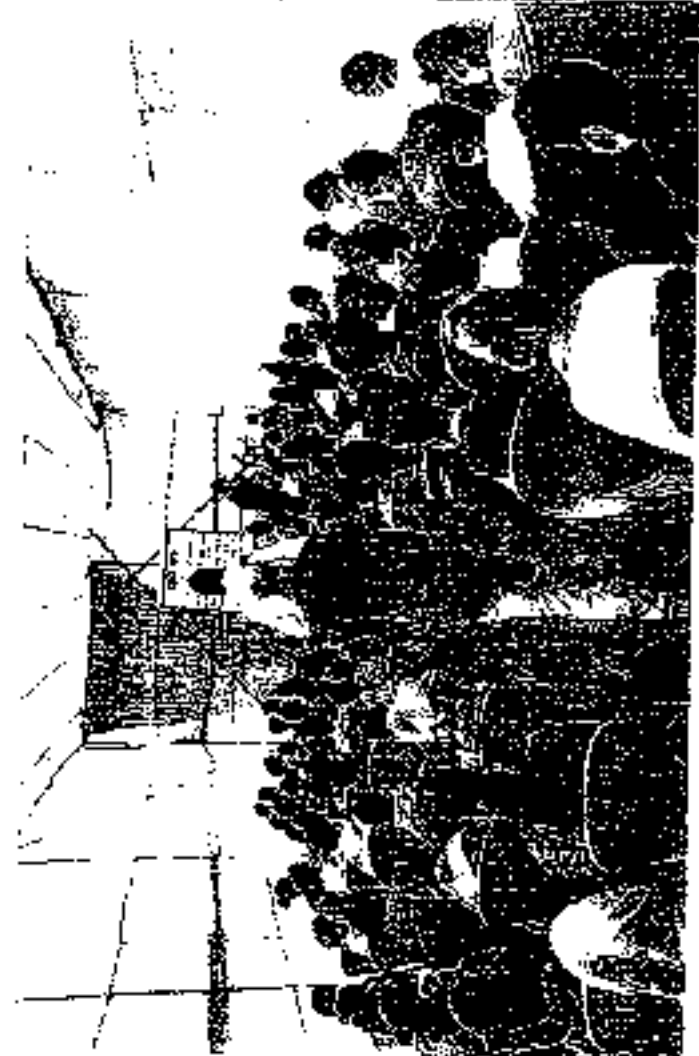
Panchayat Executive Officer
GUALI G.P.

ଶ୍ରୀ ଗୋବିନ୍ଦ କୁମାର ଦାସଙ୍କୁ
Sarpanch
GUALI G.P.

[Signature]
Forest Section Officer
Gual

[Signature]
Welfare Extension Officer
P.O. - Kenjhar

[Signature]
REVENUE INSPECTOR
BHADRASAH



ଉପରୋକ୍ତ ନାମ ଓ ଠିକଣା ଠିକ୍ ଅଟେ

<p>11</p> <p>ନାମ: ସମୁଦ୍ର ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: ସୁଧାକର ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 31 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF20641993	<p>12</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 60 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	OR21/142/124133	<p>13</p> <p>ନାମ: ସୁଜାତା ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 6 ବର୍ଷ 01</p> <p>Photo is Available</p>	H5R3347088
<p>14</p> <p>ନାମ: ପ୍ରଦୀପ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 24 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20022848	<p>15</p> <p>ନାମ: କେଶବନାଥ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 34 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20022855	<p>16</p> <p>ନାମ: ଚିତ୍ତାମଣି</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 30 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF20842041
<p>17</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 20 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20842082	<p>18</p> <p>ନାମ: ସୁଧାକର ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 29 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF21040294	<p>19</p> <p>ନାମ: ଦେବିକା ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 26 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20842025
<p>20</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 22 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF2144058	<p>21</p> <p>ନାମ: କେଶବନାଥ</p> <p>ପିତାଙ୍କ ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 20 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF21428861	<p>22</p> <p>ନାମ: ସୁଜାତା ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 20 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF21490985
<p>23</p> <p>ନାମ: ସୁଧାକର ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 67 ବର୍ଷ 01</p> <p>Photo is Available</p>	OR21/142/124139	<p>24</p> <p>ନାମ: ସୁଧାକର ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 30 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF21490116	<p>25</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 20 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20842058
<p>26</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 28 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF20900359	<p>27</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 26 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF21178391	<p>28</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 17 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	OR21/142/124137
<p>29</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 52 ବର୍ଷ 01</p> <p>Photo is Available</p>	OR21/142/124138	<p>30</p> <p>ନାମ: କେଶବନାଥ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 22 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	RF21423769	<p>31</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 73 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	OR21/142/124140
<p>32</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 41 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	H5R3357175	<p>33</p> <p>ନାମ: ସୁଧାକର ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 40 ବର୍ଷ 01</p> <p>Photo is Available</p>	H5R3357183	<p>34</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 26 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	H5R3711843
<p>35</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 38 ବର୍ଷ 01</p> <p>Photo is Available</p>	H5R3712361	<p>36</p> <p>ନାମ: ସିଦ୍ଧାନ୍ତ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 38 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	H5R3712379	<p>37</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 37 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF20185635
<p>38</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 62 ବର୍ଷ ପୁରୁଷ</p> <p>Photo is Available</p>	OR21/142/124143	<p>39</p> <p>ନାମ: କେଶବନାଥ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 67 ବର୍ଷ 01</p> <p>Photo is Available</p>	RF21481622	<p>40</p> <p>ନାମ: କୁଞ୍ଜନ ନାଏକ</p> <p>ପିତାଙ୍କ ନାମ: କେଶବନାଥ</p> <p>ଠିକଣା: 2</p> <p>ଉୟ: 37 ବର୍ଷ 01</p> <p>Photo is Available</p>	H5R3712094

271 ନାମ: ଉତ୍ତମ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124073 Photo is Available	272 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1468038 Photo is Available	273 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3365353 Photo is Available
274 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1040203 Photo is Available	275 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124070 Photo is Available	276 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124071 Photo is Available
277 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3430113 Photo is Available	278 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3712395 Photo is Available	279 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ0022749 Photo is Available
280 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ0472241 Photo is Available	281 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ0800573 Photo is Available	282 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1040195 Photo is Available
283 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124069 Photo is Available	284 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3355369 Photo is Available	285 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3712478 Photo is Available
286 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124065 Photo is Available	287 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124702 Photo is Available	288 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3712464 Photo is Available
289 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1209413 Photo is Available	290 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124102 Photo is Available	291 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124060 Photo is Available
292 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	HSR3711942 Photo is Available	293 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ0022871 Photo is Available	294 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1123680 Photo is Available
295 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124061 Photo is Available	296 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	OR/21/142/124002 Photo is Available	297 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ0642308 Photo is Available
298 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1459841 Photo is Available	299 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1510633 Photo is Available	300 ନାମ: ପ୍ରଦୀପ ମହାପାତ୍ର ପଦବୀ: ଡି.ଏମ. ଡି.ଏମ. ପଦ: 23 ବି.ଏ. ଡି.	RFZ1480441 Photo is Available

OFFICE OF THE SARAPANCH
GUALI GRAM PANCHAYAT, GUALI
 AT/P.O. GUALI, P.S. PUVUDINI, VIA-BARBIL DIST-KEONJHAR, ODISHA

No 75


Date 30/11/2021

ଆମନ୍ତ୍ରଣ ବିଷୟରେ ଜାଣିବା

ଏକକକ୍ଷତ୍ରୀୟ ଗ୍ରାମୀଣ ପ୍ରାଥମିକ ସ୍ୱାସ୍ଥ୍ୟ ଓ ପୁରୁଣା ଏକୀ ଆମ୍ବ
 ପ୍ରକଳ୍ପର ମାଧ୍ୟମରେ ଉପକରଣ ବିକ୍ରୟ କାର୍ଯ୍ୟକ୍ରମର ଅଧିକାରୀ ଡି. ଡି. ପାଣିଗ୍ରାହୀ ସମିତି,
 ଭାରତୀୟ ଉପାଦାନ ଉତ୍ପାଦନା 2743 ଓ 1910 ଗ୍ରାମୀଣ ଓ PA. ITDA Keonjhar
 ଉତ୍ପାଦନା 15051 ITDA ଉପ 161031 2021 ମଧ୍ୟ ପ୍ରକଳ୍ପ ମଧ୍ୟ ଉପକରଣ ମଧ୍ୟ
 Corporation Limited (Comelin) ଓ ଗ୍ରାମୀଣ ପ୍ରାଥମିକ 57-364 ଉପକରଣ ଓ
 ପୁରୁଣା ଏକୀ ଆମ୍ବ 53-054 ଉପକରଣ ଓ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ
 (ଉପକରଣ ବିକ୍ରୟ ବିକ୍ରୟ) ଉପକରଣ 2021 ଓ ଉପକରଣ ବିକ୍ରୟ 2012 ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ
 ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ ପ୍ରକଳ୍ପ


କ୍ର.ନଂ.	କାର୍ଯ୍ୟ	ପ୍ରକଳ୍ପ ବିଷୟ	ପ୍ରକଳ୍ପ ବିଷୟ	ପ୍ରକଳ୍ପ ବିଷୟ
1.	ପୁରୁଣା	ଉପକରଣ ବିକ୍ରୟ	ପ୍ରକଳ୍ପ ବିଷୟ	ପ୍ରକଳ୍ପ ବିଷୟ
2.	ପୁରୁଣା	ଉପକରଣ ବିକ୍ରୟ	ପ୍ରକଳ୍ପ ବିଷୟ	ପ୍ରକଳ୍ପ ବିଷୟ

ଏହି ଉପକରଣ ବିକ୍ରୟ ପ୍ରକଳ୍ପର ଅଧିକାରୀ ଡି. ଡି. ପାଣିଗ୍ରାହୀ ସମିତି
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ


 Padmanabha Mohi
 Sarpanch
 Guali Gram Panchayat
 Dist. Keonjhar

ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ

ଏହାର ପରବର୍ତ୍ତୀ ନବୀକରଣ କାର୍ଯ୍ୟକ୍ରମର ଅଧିକାରୀ ଡି. ଡି. ପାଣିଗ୍ରାହୀ ସମିତି
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ
 ଉପକରଣ ବିକ୍ରୟ ଉପକରଣ ବିକ୍ରୟ


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 Guali Gram Panchayat
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ପଞ୍ଚାୟତ ସମିତି କାର୍ଯ୍ୟାଳୟ, ଯୋଡା

ଯୋଡା-୭୫୮୦୩୪, ଜିଲ୍ଲା-କେନ୍ଦୁଝର

ପତ୍ର ସଂଖ୍ୟା. ୨୫୪୮୩, ତାରିଖ. ୦୯.୦୯.୨୦୨୧

ପ୍ରାପ୍ତକ୍ରମ

ସରକାରୀ ଗୁଆଲି ଏବଂ ଲାଇଡାପଡା ଗ୍ରାମପଞ୍ଚାୟତ
ପା-ଗୁଆଲି

ବିଷୟ :

M/s Odisha Mining Corporation Limited (OMC Ltd.) କୁ ଦ୍ଵାରା ଗୁଆଲି ଏବଂ ଲାଇଡାପଡା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲୁହରପଡା, ପାଣ୍ଡୁଲିପୋଣି, ରୁଗୁଡି, ଡୋପାଚିଡି, ସିଧମନ ଚିକିତ୍ସ ପରେଓଓ ଠାରେ ଲୋଡୁ ଖଣି ଉତ୍ପାଦନ ନିମନ୍ତେ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜମିକୁ ଅଣ-ଜମା କମିଶେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଜନଗୀତି ଓ ଅନ୍ୟାନ୍ୟ ଆବଶ୍ୟକିତ କନକାସାଙ୍କ (କେନ୍ଦ୍ର ଅଧିକାର ସ୍ଵୀକୃତି) ନିୟମ ୨୦୦୬ ଓ ହାତ୍ତୋଧକ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ପ୍ରମାଣ ପତ୍ର ପ୍ରାପ୍ତ ନିମନ୍ତେ ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁମୋଦନ ପ୍ରମାଣ ।

ପ୍ରସଙ୍ଗ :

PA, ITDA, Keonjhar କୁ ପତ୍ର ସଂଖ୍ୟା ୧୫୦୫/ITDA/K, ତାରିଖ ୧୬.୦୮.୨୦୨୧

ନିହାଣପତ୍ର/ନିହାଣପତ୍ର

ମାନନୀୟ ସମ୍ପର୍କିତ ଆବିବାଦୀ ଉତ୍ତରଣ ସଂସ୍ଥା, କେନ୍ଦୁଝର କୁ ଅନୁରୋଧ କ୍ରମେ ଦେଖାଇବାକୁ ଚାହେଁକି M/s OMC ଗୁଆଲି ଏବଂ ଲାଇଡାପଡା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲୁହରପଡା, ପାଣ୍ଡୁଲିପୋଣି, ରୁଗୁଡି, ଡୋପାଚିଡି, ସିଧମନ ଚିକିତ୍ସ ପରେଓଓଠାରେ ମାଲିକାନା କାର୍ଯ୍ୟ ଆରମ୍ଭ ନିମନ୍ତେ ନିମ୍ନ ଉପସ୍ଥିତ ମତେ ମୋଟ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜମିକୁ ଅଣ-ଜମା କମିଶେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଆବେଦନ କରି ଅଛନ୍ତି । ଜନଗୀତି ଓ ଅନ୍ୟାନ୍ୟ ଆବଶ୍ୟକିତ କନକାସାଙ୍କ (କେନ୍ଦ୍ର ଅଧିକାର ସ୍ଵୀକୃତି) ନିୟମ ୨୦୦୬ ଓ ହାତ୍ତୋଧକ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ହାତ୍ତୋଧକ ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରମାଣିତ କେନ୍ଦ୍ର କମିଶେ ନିୟମ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ସେମାନଙ୍କ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ଓ ତାହା ପାଖ୍ୟତ୍ତ ହେବା ଅପରାନ୍ତ ଅବଶ୍ୟକ ଉତ୍ତର କମିଶେ ଅଣ-ଜମା କମିଶେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ପାଇଁ ନିର୍ଦ୍ଦିଷ୍ଟ ନିଆଯାଇପାରିବ । ଏଣୁ ଏହି ବିନିଆ ପାଇଁ ଲୋଡିସ ଯେଉଁ ଦୁଇଟି ଗ୍ରାମପଞ୍ଚାୟତ କେନ୍ଦ୍ର ବଦଳ ନିମ୍ନଲିଖିତ ନିର୍ଦ୍ଦେଶାବଳୀର ପରିପାଳନ ପୂର୍ବକ ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରମାଣିତ ମାନଙ୍କର ପ୍ରାଣର ସହ ସହଯୋଗ ଅନୁମୋଦନ କ୍ରମେ ଗ୍ରାମପଞ୍ଚାୟତ କାର୍ଯ୍ୟକ୍ରମର ଦୃଶ୍ୟ ପାଖ୍ୟ (Video CD) ପ୍ରସ୍ତୁତ କରିବେ ଓ ଅତ୍ତ କାର୍ଯ୍ୟକ୍ରମ ତଥା ଶୋଷି ଉତ୍ତରଣ ଅଧିକାରୀ, ଯୋଡା ଏବଂ ଚତୁର୍ଥଲିଖିତ ଉପଦେଶ ଗୋଟିକାର୍ଯ୍ୟେ ପୂରଣ କରିବେ ।

ଅନୁପାଳନୀୟ ନିର୍ଦ୍ଦେଶାବଳୀ

- ୧) ଦୁଇ କର୍ତ୍ତୃପକ୍ଷଙ୍କ ସମାମର୍ଶ କରି ଗ୍ରାମପଞ୍ଚାୟତ ପାରିଶ ଓ ସ୍ଥାନ, ସମୟ ନିର୍ଦ୍ଧାରଣ କରିବେ ଓ ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁଷ୍ଠିତ ହେବାର ପଥେକ୍ଷ ପୂର୍ବରୁ ଚତୁର୍ଥଲିଖିତ, ଧ୍ୟାନ ଓ ପରେଓଓ ଲୋଡି କାର୍ଯ୍ୟକ୍ରମକୁ ସୁଚନା ଦେବେ ।
- ୨) ଗ୍ରାମପଞ୍ଚାୟତ ଲୋଡିସ ପଥେକ୍ଷ ପୂର୍ବରୁ ମନୁକ୍ଷ ଗ୍ରାମ ଓ କର୍ତ୍ତୃପକ୍ଷଙ୍କୁ ଦେଉଣ କରିବେ ।
- ୩) ହାତ୍ତୋଧକ ପରେଓଓ ଗ୍ରାମପଞ୍ଚାୟତ ସ୍ଥାନ, ତାରିଖ ଓ ସମୟ ତାକରାଜି ସକ୍ଷମ୍ଭା ବହୁଳ ଭାବେ ପତାର କରିବେ ।
- ୪) ଗ୍ରାମ ସକାର ଉତ୍ତରଣ ଓ ଉଦ୍ଦେଶ୍ୟ ବିଶେଷ ଭାବେ ଆଲୋଚନା କରିବେ ଓ ଏହାର ଉଚିତ୍ତ ରେକର୍ଡି ପ୍ରସ୍ତୁତ କରିବେ ।
- ୫) ପଞ୍ଚାୟତ ନିର୍ଦ୍ଧାତ୍ତୀ ଅଧିକାରୀ ଗ୍ରାମପଞ୍ଚାୟତ ନିର୍ଦ୍ଧାରଣ କ୍ରମକୁ ପଥାବିଧି ଲିପିବଦ୍ଧ କରିବେ ଓ ତାକରାଜି ସକ୍ଷମ୍ଭା ବଦଳା ଏହା ପୋଷଣା କରିବେ । ଉପସ୍ଥିତ ଗ୍ରାମପଞ୍ଚାୟତ ଓ ବିଭାଗୀୟ ଅଧିକାରୀ ମାନଙ୍କର ପ୍ରାଣର ନିର୍ଦ୍ଧାରଣ ପୁସ୍ତିକାରେ ଗ୍ରହଣ କରାଯିବ ।

୨) ଗ୍ରା-ପ- ପରପତ୍ର ଗ୍ରାମସଭା ସ୍ଥଳରେ ଶିତଳ ହାୟ, ପାନୀୟ ଜଳ ଓ ଗ୍ରାମବାସୀ ମାନଙ୍କର ବସିବା ନିମନ୍ତେ ଆସନ ବ୍ୟବସ୍ଥା ପୁନଃକର କରାଯିବ । ଗ୍ରାମସଭା ପ୍ରାନ୍ତରେ ଜଳବାଣି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପାରିକ ବନବାସୀଙ୍କର (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱୀକୃତି) ନିୟମ, ୨୦୦୬ ଓ ଫାଣୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ବ୍ୟକ୍ତିଗତ ଓ ଗୋଷ୍ଠୀଗତ ଅଧିକାର ସାଧ୍ୟତା ପାଇଁ ସଂପୃକ୍ତ ଗ୍ରାମରେ କେତେଗୋଟି ଦରଖାସ୍ତ ପାତ୍ର ହୋଇଅଛି ଓ ତତ୍ତ୍ୱଧାରୀ କେତେଗୋଟି ଦରଖାସ୍ତ ଫଲସଳା ପୂର୍ବକ ସ୍ୱୀକୃତି ପତ୍ର ଦିଆଯାଇଅଛି ତାହାର ଏକ ବିସ୍ତୃତ ବିବରଣୀ ଲିପିବଦ୍ଧ କରିବେ ଓ ସର୍ବଶେଷରେ ସଭା ବିବରଣୀର ପ୍ରମାଣୀତ ନକଲ ସ୍ଥାନୀୟ ବୁକ କାର୍ଯ୍ୟାଳୟ ଓ ତତ୍ତ୍ୱସିଲ କାର୍ଯ୍ୟାଳୟକୁ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ପ୍ରେରଣ କରିବେ ।

ଏତଦଭିନ୍ନ ଆପଣଙ୍କୁ ଜଣାଇଦିଆଯାଉଛି ଯି ସଂପୃକ୍ତ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ସଭାପତି/ ସମ୍ପାଦକ ଓ ସଦସ୍ୟ-ପଦସ୍ୟାମାନଙ୍କୁ ଜଣାଇବେ ଯି ସେମାନେ ଉକ୍ତ ଗ୍ରାମସଭା ଅନୁଷ୍ଠିତ ହେବା ପୂର୍ବରୁ ଏକ ସ୍ୱରକ୍ତ ବୈଠକ କରିବେ ଓ ପ୍ରସ୍ତାବିତ ଜଙ୍ଗଲ ଜମିର ଅଣଭଙ୍ଗଲ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ନିମନ୍ତେ M/s OMC କର୍ତ୍ତୃପକ୍ଷଙ୍କ ଦ୍ୱାରା କରାଯାଇଥିବା ଆବେଦନ ଉପରେ ସେମାନଙ୍କର ମତାମତ ଉପସ୍ଥାପନ କରିବେ । ଗ୍ରାମସଭା ନିର୍ଦ୍ଧାରିତ ରେଜିଷ୍ଟର ଓ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ରେଜିଷ୍ଟର ସଭାପତିଙ୍କ ପରିସ୍ପାଷର ସହ ଉପରୋକ୍ତ ମତେ ଅବିଳମ୍ବେ ଦାଖଲ କରିବେ । ପ୍ରଯୋଜିତ ଗ୍ରାମସଭାରେ ସଂପୃକ୍ତ ଗ୍ରାମର ବୃତ୍ତ ସଭ୍ୟ/ସଭା ସଭାପତିତ୍ୱ କରିବେ ଓ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାରୀ କମିଟିର ସଭ୍ୟ/ସଭା୍ୟା ମାନେ ଉପସ୍ଥିତ ହୋଇ ଗ୍ରାମବାସୀମାନଙ୍କ ସହିତ ସେମାନଙ୍କ ନିରପେକ୍ଷ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ।

କିମ୍ପା ପରିବର୍ତ୍ତନ ହେବାକୁ ଥିବା ଜମିର ତତ୍ତ୍ୱସିଲ

Sl. No.	Name of the Village	Name of the Gram Panchayat	Area in Ha
01	Laharpada	Laidapada	3.372
02	Rugudi		4.990
03	Topadihi		177.663
04	Guali	Guali	57.364
05	Pandulipasi		58.054
06	Sidhamatha R.F.	Sidhamatha R.F.	30.657
	Total Area (Ha)		332.100

ଆପଣଙ୍କ ବିଶ୍ୱସ୍ତ

ଶ୍ରୀମତୀ

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା
Block Development Officer
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୪ / ଡା... ୦୧.୦୧.୨୦୨୧

ଏହାର ଏକାକିତା ନକଲ ପି-ଏ-ଡି-ଡି-ଏ ତଥା ଡିଲ୍ଲୀ ନୋଡାଲ ଅଧିକାରୀ, ଡିଲ୍ଲୀ ଜଙ୍ଗଲ ଅଧିକାର କମିଟି, କେନ୍ଦୁଝରଙ୍କ ଅବଗତ ନିମନ୍ତେ କରାଗଲା ।

ଶ୍ରୀମତୀ

ଶ୍ରୀମତୀ
Block Development Office
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୫ / ଡା... ୦୧.୦୧.୨୦୨୧

ଏହାର ଏକାକିତା ନକଲ ତତ୍ତ୍ୱସିଲଦାର ବଡ଼ବିଲ୍ଡ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

ଶ୍ରୀମତୀ
ଶ୍ରୀମତୀ

ଶ୍ରୀମତୀ
Block Development Officer
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୬ / ଡା... ୦୧.୦୧.୨୦୨୧
ଏହାର ଏକାକିତା ନକଲ Executive Director(F&E), Odisha Mining Corporation Ltd. କୁ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

ଶ୍ରୀମତୀ
ଶ୍ରୀମତୀ

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା
Block Development Officer
Joda, Keonjhar

**LAND SCHEDULE OVER 332.100 HA. OF FOREST AREA PROPOSED FOR
DIVERSION PERTAINING TO GUALI ML AREA (358.258 HA.) OF M/S O.M.C. LTD.**

Name of the village	Plot No.	Khasa No.	Khasam (After 25.10.1980)	Khasam (Before 25.10.1980)	RoR Area (In Acres)	DGPS Area (In Ha)	Remarks	
Sidhamatha R.F.					75.755	30.657Ha.		
Gabi	1	175	Jungle	Jungle	20.500	7.812	Revenue Forest	
	1/503	175	Jungle	Jungle	10.050	4.151		
	1/514	175	Jungle	Jungle	25.000	9.184		
	1/516	175	Jungle	Jungle	19.084	4.081		
	1/519	175	Jungle	Jungle	26.200	11.147		
	1/520	175	Jungle	Jungle	23.500	10.971		
	1/522	175	Jungle	Jungle	7.562	3.060		
	Sub-Total						50.356	
	1/515	175	Gochar	Jungle	17.317	7.008	Sabli Forest	
Total					141.213Ac	57.364		
Laharapada	1	67	patita	Jungle	0.550	0.263	Sabli Forest	
	118	65	Adi	Jungle	0.180	0.007		
	119	67	patita	Jungle	2.730	1.172		
	120	67	Taila-I	Jungle	0.118	0.048		
	127	65	Gochara	Jungle	0.560	0.254		
	2	67	Patita	Jungle	0.180	0.054		
	223	65	Sarba Sardharan	Jungle	1.330	0.704		
	224	65	Sarba Sardharan	Jungle	0.536	0.217		
	3/386	67	Taila-I	Jungle	0.100	0.043		
	4/387	67	Taila-I	Jungle	0.060	0.049		
	389	175	Taila-I	Jungle	0.130	0.053		
	125/396	67	Taila-I	Jungle	0.086	0.035		
	154/401	65	Gochara	Jungle	0.150	0.073		
	217/467	1	Nayarjori	Jungle	0.326	0.137		
	139/473	65	Gochara	Jungle	0.520	0.268		
Sub-Total					7.596 Ac	3.172		
Panduliposi	104	73	Jungle	Patita	24.740	9.763	Revenue Forest	
	3	71	Jungle		26.386	10.678		
	3/300	71	Jungle		48.336	29.561		
	3/301	71	Jungle		7.799	3.156		
	Sub-Total					107.261		43.158
	105	73	Taila-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as Forest by DFO, Keonjhar	
	108	73	Taila-I	Unsurveyed	0.640	0.249		
	104/298	71	Basal Yogyo	Unsurveyed	3.720	1.657		
	104/403	71	Unnala Jajana yogyo	Unsurveyed	3.460	0.999		
	104/404	71	Unnala Jajana yogyo	Unsurveyed	5.000	2.115		
	104/405	71	Unnala Jajana yogyo	Unsurveyed	5.000	2.045		
	104/406	71	Unnala Jajana yogyo	Unsurveyed	4.827	1.953		
	105	73	Taila-I	Unsurveyed	0.248	0.100		
	Sub-Total					22.895		9.118
	26	25	Taila-II	Jungle	0.191	0.077		Sabli Forest
27	25	Taila-II	Jungle	0.079	0.032			
30	67	Sarada-III	Jungle	0.016	0.007			
3/308	75	Taila-I	Jungle	1.200	0.490			
31	67	Sarada-III	Jungle	0.196	0.079			
33	67	Taila-I	Jungle	0.298	0.121			
Sub-Total					3.170	1.223		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAMI

TANASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks	
Pandulipasi	34	62	Bioli	Jungle	0.101	0.041	Sabik Forest	
	3/349	62	Taila-I	Jungle	0.271	0.110		
	3/350	23	Taila-I	Jungle	0.100	0.039		
	3/351	6	Taila-I	Jungle	0.370	0.138		
	3/352	42	Taila-I	Jungle	0.700	0.266		
	3/353	22	Taila-I	Jungle	0.520	0.222		
	3/354	25	Taila-I	Jungle	0.550	0.214		
	3/355	18	Taila-I	Jungle	0.550	0.204		
	3/356	19	Taila-I	Jungle	0.500	0.216		
	3/358	2	Taila-I	Jungle	0.500	0.194		
	3/359	38	Taila-I	Jungle	0.500	0.214		
	3/360	52	Taila-I	Jungle	0.600	0.237		
	3/361	68/34	Taila-I	Jungle	0.600	0.255		
	3/362	37	Taila-I	Jungle	0.680	0.279		
	3/363	27	Taila-I	Jungle	1.200	0.473		
	104/364	23	Taila-I	Jungle	2.360	0.964		
	104/365	36	Taila-I	Jungle	1.100	0.453		
	104/366	17	Taila-I	Jungle	0.500	0.228		
	104/367	6	Taila-I	Jungle	0.290	0.091		
	55	71	Rasta	Jungle	0.556	0.244		
Sub-Total					19.238 Ac	5.778		
Total					107.261	58.054		
Rugudi Dil	137	74	Sarada-II	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.050	0.021		
	139	74	Taila-I	Jungle	0.613	0.250		
	140	74	Sarada-I	Jungle	0.006	0.002		
	Sub Total					0.802	0.324	
	1/652	72	Gramya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.631		
1/610	72	Gramya Jungle	Jungle	1.559	0.631			
Sub Total					12.056	4.666		
Total					17.858 Ac	5.203 Ha		
Tapadidi	1	126	patita	Jungle	2.740	1.135	Sabik Forest	
	10	126	Taila-II	Jungle	0.870	0.361		
Tapadidi	100	126	Taila-I	Jungle	0.490	0.197	Sabik Forest	
	101	126	Taila-I	Jungle	0.380	0.151		
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.060	0.023		
	107	126	Taila-I	Jungle	0.410	0.150		
	108	124	Rasta	Jungle	0.380	0.157		
	11	126	patita	Jungle	0.150	0.079		
	111	127	Nala	Jungle	3.810	1.713		
	112	43	Taila-I	Jungle	0.580	0.277		
	115	124	Gochara	Jungle	12.218	4.945		
	118	124	Rasta	Jungle	0.440	0.190		
	12	126	Taila-II	Jungle	1.700	0.706		
	122	127	Nala	Jungle	0.500	0.220		
	123	119/17	Taila-I	Jungle	0.637	0.250		

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 Revenue Inspector
 Bhadrashahi

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 REVENUE INSPECTOR
 BHADRASHAH
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 TAPASILUWAN
 BARGIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	124	124	Rasta	Jungle	0.380	0.161	
	125	126	Patita	Jungle	0.230	0.109	
	126	124	Rasta	Jungle	0.080	0.040	
	127	126	patita	Jungle	2.540	1.060	
	128	124	Gharbari	Jungle	0.940	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	128	Talla-II	Jungle	1.180	0.487	
	130	124	Gharbari	Jungle	0.940	0.015	
	131	124	Rasta	Jungle	0.388	0.036	
	132	124	patita	Jungle	0.393	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Talla-II	Jungle	0.231	0.094	
	135	70	Talla-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.088	0.019	
	138	70	Talla-I	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mehara	Jungle	1.002	0.406	
	16	126	patita	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.610	
	18	119/2	karakhana	Jungle	0.740	0.328	
	2	126	patita	Jungle	1.410	0.583	
	24	126	patita	Jungle	0.730	0.305	
	28	126	Talla-II	Jungle	1.130	0.444	
	29	126	Talla-II	Jungle	0.770	0.305	
	3	126	patita	Jungle	1.740	0.715	
	30	119/2	karakhana	Jungle	1.840	0.729	
	8/307	126	Talla-II	Jungle	0.540	0.205	
	13/308	119/13	karakhana	Jungle	0.54	0.233	
	31	119/2	karakhana	Jungle	1.230	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.393	
	18/312	126	Talla-I	Jungle	0.620	0.279	
	31/313	126	Biali	Jungle	1.200	0.485	
	32/314	119/2	karakhana	Jungle	0.880	0.366	
	34/315	126	Dafi	Jungle	1.230	0.498	
	47/316	119/13	karakhana	Jungle	1.700	0.697	
	53/317	126	Saradati	Jungle	0.320	0.131	
	58/318	126	patita	Jungle	0.260	0.111	
	62	126	Talla-I	Jungle	1.000	0.403	
	58/320	126	Talla-II	Jungle	0.480	0.184	
	58/321	126	Talla-II	Jungle	0.700	0.272	
	58/322	126	Talla-II	Jungle	0.300	0.129	
	58/323	126	Talla-I	Jungle	0.850	0.370	
	58/324	126	patita	Jungle	1.000	0.391	
	58/325	78	Talla-I	Jungle	1.000	0.401	
	58/326	126	Talla-I	Jungle	0.660	0.273	
	59/327	78	Talla-I	Jungle	0.950	0.375	
	73/328	100	Talla-I	Jungle	0.490	0.202	
	74/329	72	Talla-I	Jungle	0.040	0.008	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks
Tapadadi	33	125	Taifa-I	Jungle	1.510	0.614	Sabit Forest
	84/330	94	Taifa-II	Jungle	0.040	0.011	
	84/331	22	Patita	Jungle	0.040	0.012	
	84/332	56	patita	Jungle	0.040	0.012	
	84/333	20	patita	Jungle	0.040	0.010	
	84/334	206	Taifa-II	Jungle	0.040	0.012	
	80/335	74	Taifa-II	Jungle	0.040	0.012	
	80/336	69	Taifa-II	Jungle	0.040	0.011	
	80/337	100	Taifa-I	Jungle	0.040	0.011	
	80/338	89	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.040	0.011	
	84	119/2	Karakhana	Jungle	0.050	0.018	
	80/340	109	Taifa-II	Jungle	1.470	0.623	
	80/341	91	Taifa-II	Jungle	0.040	0.015	
	80/342	14	patita	Jungle	0.040	0.012	
	80/343	2	patita	Jungle	0.040	0.014	
	80/344	50	patita	Jungle	0.040	0.015	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	80	Taifa-II	Jungle	0.040	0.014	
	78/347	85	Taifa-II	Jungle	0.040	0.014	
	80/348	126	patita	Jungle	0.040	0.017	
	80/349	60	patita	Jungle	0.140	0.041	
	85	119/2	Karakhana	Jungle	0.040	0.018	
	80/350	16	patita	Jungle	1.180	0.477	
	80/351	8	Patita	Jungle	0.040	0.015	
	80/352	30	patita	Jungle	0.040	0.014	
	80/353	1	patita	Jungle	0.040	0.016	
	80/354	97	Taifa-I	Jungle	0.040	0.018	
	80/355	67	Taifa-II	Jungle	0.040	0.014	
	80/356	81	Taifa-II	Jungle	0.040	0.015	
	78/357	118	Taifa-II	Jungle	0.040	0.015	
	80/359	126	patita	Jungle	0.040	0.017	
	86	119/2	Karakhana	Jungle	0.040	0.018	
	80/360	126	patita	Jungle	2.100	0.826	
	80/361	126	patita	Jungle	0.040	0.016	
	80/362	126	patita	Jungle	0.040	0.014	
	80/363	126	patita	Jungle	0.040	0.017	
	80/364	81	patita	Jungle	0.040	0.016	
	80/365	4	patita	Jungle	0.040	0.015	
	80/366	59	patita	Jungle	0.040	0.016	
	80/367	126	patita	Jungle	0.040	0.017	
	85/368	126	patita	Jungle	0.180	0.051	
	85/369	126	patita	Jungle	0.040	0.018	
	87	126	Taifa-I	Jungle	0.040	0.016	
85/370	126	patita	Jungle	1.880	0.742		
85/371	126	patita	Jungle	0.040	0.017		
85/372	126	patita	Jungle	0.040	0.016		
85/373	126	patita	Jungle	0.040	0.018		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
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TAHASILDAR
BARBIL

Name of the village	Plot No.	Khasa No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (In Acres)	GPS Area (in Ha)	Remarks
Tapadidi	85/374	126	patita	Jungle	0.040	0.016	Sabik Forest
	85/375	126	patita	Jungle	0.040	0.019	
	88/376	126	patita	Jungle	0.040	0.015	
	89/377	126	patita	Jungle	0.040	0.013	
	85/378	126	patita	Jungle	0.040	0.016	
	85/379	126	patita	Jungle	0.040	0.013	
	88	126	Taila-I	Jungle	0.910	0.353	
	85/380	126	patita	Jungle	0.040	0.016	
	85/381	126	patita	Jungle	0.040	0.013	
	85/382	126	patita	Jungle	0.040	0.013	
	85/383	126	patita	Jungle	0.040	0.015	
	85/384	126	patita	Jungle	0.040	0.014	
	85/385	126	patita	Jungle	0.040	0.015	
	80/386	126	patita	Jungle	0.350	0.37	
	80/387	126	patita	Jungle	0.020	0.041	
	81/388	104	Taila-II	Jungle	0.040	0.011	
	81/389	7	patita	Jungle	0.040	0.016	
	89	126	patita	Jungle	1.720	0.716	
	81/390	82	Taila-I	Jungle	0.040	0.014	
	81/391	117	Taila-I	Jungle	0.040	0.016	
	81/392	101	Taila-I	Jungle	0.040	0.015	
	81/393	9	patita	Jungle	0.040	0.015	
	81/394	82	Taila-I	Jungle	0.040	0.015	
	80/395	103	Taila-II	Jungle	0.040	0.016	
	80/396	119	Taila-II	Jungle	0.040	0.016	
	80/397	105	Taila-II	Jungle	0.040	0.016	
	80/398	89	Taila-II	Jungle	0.040	0.014	
	80/399	53	patita	Jungle	0.040	0.014	
	91	126	patita	Jungle	2.840	1.158	
	90	126	Biall	Jungle	1.400	0.547	
	80/400	57	patita	Jungle	0.040	0.015	
	81/401	54	patita	Jungle	0.040	0.014	
	81/402	23	patita	Jungle	0.040	0.015	
	81/403	15	patita	Jungle	0.040	0.014	
	81/404	116	Taila-II	Jungle	0.040	0.016	
	81/405	108	Taila-II	Jungle	0.040	0.015	
	81/406	13	Patita	Jungle	0.040	0.017	
	81/407	95	Taila-II	Jungle	0.040	0.012	
	81/408	126	patita	Jungle	0.180	0.059	
	81/409	126	patita	Jungle	0.040	0.013	
	91	126	patita	Jungle	0.530	0.114	
	81/410	41	Gharbari	Jungle	0.040	0.016	
	81/411	126	patita	Jungle	0.040	0.017	
	81/412	126	patita	Jungle	0.040	0.015	
	81/413	126	patita	Jungle	0.040	0.018	
	81/414	126	patita	Jungle	0.040	0.015	
	81/415	126	patita	Jungle	0.040	0.017	
85/416	126	patita	Jungle	0.040	0.017		
85/417	126	Patita	Jungle	0.040	0.018		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
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TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks
Tepadid	85/418	126	Patita	Jungle	0.040	0.016	Sabik Forest
	85/419	126	patita	Jungle	0.040	0.012	
	42	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	Patita	Jungle	0.040	0.014	
	81/425	126	Patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	17	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	49	126	patita	Jungle	2.020	0.838	
	85/431	126	patita	Jungle	0.040	0.016	
	85/432	126	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.014	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	Patita	Jungle	0.040	0.016	
	44	126	Patita	Jungle	8.660	3.483	
	82/440	126	Patita	Jungle	0.020	0.037	
	82/443	126	Patita	Jungle	0.040	0.016	
	82/444	126	Patita	Jungle	0.040	0.016	
	82/445	126	Patita	Jungle	0.040	0.014	
	82/446	126	Patita	Jungle	0.400	0.121	
	82/447	126	Patita	Jungle	0.040	0.014	
	82/448	126	Patita	Jungle	0.040	0.016	
	82/449	126	Patita	Jungle	0.040	0.018	
	45	176	Taila ii	Jungle	4.010	1.647	
	82/450	126	Patita	Jungle	0.040	0.017	
	82/451	126	Patita	Jungle	0.040	0.018	
	82/452	126	Patita	Jungle	0.040	0.017	
	85/453	126	Patita	Jungle	0.040	0.017	
	85/454	126	Patita	Jungle	0.040	0.016	
	85/455	126	Patita	Jungle	0.040	0.018	
	86/456	126	Patita	Jungle	0.040	0.018	
	85/457	126	Patita	Jungle	0.040	0.014	
	85/458	126	Patita	Jungle	0.040	0.015	
	85/459	126	Patita	Jungle	0.040	0.014	
	46	126	Taila ii	Jungle	1.620	0.639	
	85/460	126	Patita	Jungle	0.040	0.014	
	82/461	126	Patita	Jungle	0.040	0.013	
	82/462	126	Patita	Jungle	0.040	0.013	
	82/463	126	Patita	Jungle	0.040	0.014	
	82/464	126	Patita	Jungle	0.040	0.015	
82/465	126	Patita	Jungle	0.040	0.013		
82/466	126	Patita	Jungle	0.040	0.017		
84/467	126	Patita	Jungle	0.040	0.015		

Forest Range Officer
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TAKASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks
Tapadidi	84/468	126	Patita	Jungle	0.040	0.013	Sabit Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	47	126	Talla-i	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.040	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	126	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	52	Patita	Jungle	0.040	0.013	
	83/478	12	Patita	Jungle	0.040	0.016	
	83/479	5	Talla-k	Jungle	0.040	0.016	
	48	119/13	Karakhana	Jungle	0.190	0.073	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	95	Talla-B	Jungle	0.040	0.016	
	84/482	45	Patita	Jungle	0.040	0.015	
	84/483	93	Talla-B	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.140	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	73	Talla-k	Jungle	0.040	0.017	
	83/487	5	Patita	Jungle	0.040	0.019	
	83/488	87	Patita	Jungle	0.040	0.024	
	83/489	8	Patita	Jungle	0.040	0.019	
	49	51	Balli	Jungle	1.440	0.562	
	83/490	13	Talla-k	Jungle	0.040	0.023	
	83/491	21	Patita	Jungle	0.040	0.018	
	83/492	98	Talla-li	Jungle	0.040	0.021	
	83/493	43	Talla-li	Jungle	0.040	0.019	
	84/494	65	Patita	Jungle	0.040	0.021	
	86/497	126	Patita	Jungle	0.200	0.082	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	119/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.350	0.142	
	89/510	126	Patita	Jungle	0.040	0.015	
	86/511	126	Patita	Jungle	0.040	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAH

TAMASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kissem (After 25.10.1980)	Kissem (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	86/513	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	86/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.402	
	86/530	126	Patita	Jungle	0.040	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.180	0.048	
	54	126	Taila-II	Jungle	1.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Taila-II	Jungle	0.420	0.166	
	80/546	126	Taila-II	Jungle	0.470	0.186	
	82/547	126	Patita	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	82/549	76	Taila-I	Jungle	0.750	0.336	
	55	126	Taila-II	Jungle	0.870	0.353	
	108/550	25	Taila-II	Jungle	0.440	0.191	
	109/551	126	Taila-I	Jungle	0.380	0.154	
	112/552	25	Taila-II	Jungle	0.280	0.11	
	115/554	93	Taila-II	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.219	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Nala	Jungle	0.176	0.071	
	123/565	119/17	Taila-I	Jungle	0.090	0.197	
	124/566	124	Rasta	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.467	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	134/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	5.690	2.153	
	134/582	100	Taila	Jungle	0.300	0.106	
	134/583	69	Taila	Jungle	0.120	0.058	
	134/584	94	Taila	Jungle	0.200	0.086	
	134/585	64	Taila-II	Jungle	0.850	0.363	
	134/586	124	Patita	Jungle	0.186	0.075	
	6	126	Patita	Jungle	0.850	0.358	


Forest Range Officer
BARBIL


REVENUE INSPECTOR
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TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Khasra (After 25.10.1980)	Use (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
Tapakdi	50	126	Taila-II	Jungle	4.860	2.039	Sabik Forest
	73/618	126	Taila-I	Jungle	0.880	0.359	
	89/619	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	89/620	119/18	Karakhana	Jungle	0.550	0.226	
	90/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-I	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.520	0.215	
	91/624	119/18	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-I	Jungle	0.240	0.104	
	83/626	119/19	Karakhana	Jungle	0.680	0.263	
	114/629	124	Patita	Jungle	0.735	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.090	0.031	
	115/642	124	UJ	Jungle	0.208	0.084	
	66	126	Patita	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.065	0.023	
	7	126	Patita	Jungle	0.153	0.051	
	70	124	Gharabari	Jungle	0.703	0.278	
	71	126	Patita	Jungle	3.140	1.345	
	72	32	Taila-I	Jungle	1.200	0.546	
	73	126	Taila-I	Jungle	1.100	0.476	
	74	126	Taila-I	Jungle	1.250	0.512	
	75	126	Taila-I	Jungle	1.220	0.503	
	76	100	Sarada-I	Jungle	2.840	1.218	
	77	126	Taila-I	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-I	Jungle	1.110	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-II	Jungle	0.040	0.014	
	81	126	Patita	Jungle	1.240	0.49	
	82	126	Patita	Jungle	0.200	0.06	
	84	126	Patita	Jungle	0.770	0.043	
	86	126	Patita	Jungle	0.040	0.014	
	87	126	Taila-II	Jungle	0.860	0.381	
	89	126	Taila-II	Jungle	0.380	0.158	
	9	126	Patita	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-I	Jungle	0.610	0.235	
	93	126	Biali	Jungle	0.330	0.133	
94	126	Sarada-I	Jungle	0.680	0.266		
95	102	Sarada-I	Jungle	0.990	0.416		
96	126	Taila-I	Jungle	0.330	0.133		
97	47	Taila-I	Jungle	0.480	0.196		
98	47	Taila-I	Jungle	0.600	0.237		
99	37	Sarada-I	Jungle	1.010	0.412		
Sub-Total					142.255	73.820	

Forest Range Officer
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REVENUE INSPECTOR
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TAKASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	System (After 25.10.1980)	System (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	112/553	126	Jungle	Jungle	0.410	0.135	Revenue Forest
	114	126	Jungle	Jungle	37.450	15.141	
	17/300	126	Jungle	Jungle	3.094	1.252	
	61/303	124	Gramya Jungle	Jungle	32.791	13.270	
	61/304	126	Jungle	Jungle	53.750	21.731	
	61/305	126	Jungle	Jungle	31.930	13.054	
	61/306	126	Jungle	Jungle	37.500	12.866	
	61/311	126	Jungle	Jungle	8.909	3.606	
	123/628	124	Jungle	Jungle	0.273	0.111	
	61	126	Jungle	Jungle	39.250	15.835	
	115/641	126	Jungle	Jungle	0.044	0.018	
	115/643	126	Jungle	Jungle	0.019	0.008	
	65	126	Jungle	Jungle	0.840	0.333	
	61/550	126	Jungle	Jungle	1.500	0.622	
83	126	Jungle	Jungle	13.820	5.811		
Sub-Total					256.580	103.943	

ABSTRACT OF THE LAND SCHEDULE OVER 300.8913HA OF FOREST LAND (AS PER HAL & SABIK RECORD)					
Name of the village	FOREST LAND IN HECT.				
	R.F.	Revenue Forest	Forest land as on 25.10.1980 (Sabik)	Treated Forest	Total
Gual	Nil	50.356	1.008	-	57.364
Lalarapada	Nil	-	3.372	-	3.372
Pandulhasi	Nil	43.158	5.778	9.118	58.054
Rugudi Dihl	Nil	4.666	0.324	-	4.990
Tapadidi	Nil	103.843	73.820	-	177.663
Sidhamotha R.F.	30.657	-	-	-	30.657
Total	30.657	202.023	90.302	9.118	352.100


 Revenue Inspector Forest
REVENUE INSPECTOR
BHADRASAHU


 Range Officer
 Forest Range Officer
BARBIL


 Tahasildar
 Barbil
TANASILDAR
BARBIL

ଗ୍ରାମସଭା ଖାତା

ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଃ

ଗ୍ରାମ : ଲକ୍ଷ୍ମୀ ପଦା

ଗ୍ରା.ପ. : ଲକ୍ଷ୍ମୀ ପଦା

ବୁକ୍ : ଯୋଡ଼ା



Office of the Sarpanch

Laidapada Gram Panchayat, Laidapada

Chatrubhuja Naik, Sarpanch Laidapada G.P.

At. : Laidapada, P.O. : Guali, Dist. : Keonjhar (Odisha) Pin : 758035

Mob. : 9337543484

Ref. No.....୦୫/୧୨/୨୦୨୩

Date.....୧୨.....

ପ୍ରାପ୍ତେଷୁ,

ଗୋଷ୍ଠୀ ଭବନ ଅଧିକାରୀ, ଯୋଡ଼ା

ବିଷୟ - ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଃ ର ଗୁଆଲି ଲୋଡ଼ିଂଖଣି ଖାନନ ନିମନ୍ତେ ଆବଶ୍ୟକ ହେଉଥିବା ଭଲତା ପଦା ଗ୍ରାମର ଅଧିକୃତ ଜଙ୍ଗଲ ଜମିକୁ ଅଣଜଙ୍ଗଲ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ନିମନ୍ତେ ଗ୍ରାମସଭା ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ଆପଣଙ୍କ କାର୍ଯ୍ୟାଳୟ ପତ୍ର ସଂ. ୨୭୪୩, ତା. ୦୯.୦୯.୨୦୨୧

ମହାଶୟ,

ଉପରୋକ୍ତ ବିଷୟ ପ୍ରତି ଧ୍ୟାନ ଆକର୍ଷଣ ପୂର୍ବକ ଜଣାଇବାକୁ ଚାହେଁକି ଆପଣଙ୍କ ଆଦେଶ ଅନୁଯାୟୀ ଆମ ଗ୍ରା. ପ. ଅନ୍ତର୍ଗତ ଭଲତା ପଦା ଗ୍ରାମର ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଃ ଦ୍ଵାରା ୩.୩୭୨ ହେକ୍ଟର ଏବଂ ବିକ୍ରମ ୦ ରିଜର୍ଭ ଫରେଷ୍ଟର ୩୦.୬୫୭ ହେକ୍ଟର ଜମିକୁ ଅଣ ଜଙ୍ଗଲ ଜମି ଭାବରେ ବ୍ୟବହାର ନିମନ୍ତେ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପରିକ ବନବାସୀଙ୍କ ଜଙ୍ଗଲ ଅଧିକାର ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ର ପରିପାଳନ ଉଦ୍ଦେଶ୍ୟରେ ଗତ ତା ୨୭/୧୦ /୨୦୨୧ ରିଖା ମଧ୍ୟାହ୍ନ ୧୨.୦୦ ଘଟିକା ସମୟରେ ଲାଲତା ପଦା ମଣ୍ଡପ ଠାରେ ପୂର୍ବ ନିର୍ଦ୍ଧାରିତ କାର୍ଯ୍ୟସୂଚୀ ଅନୁଯାୟୀ ଏକ ପଲ୍ଲୀସଭା ଅନୁଷ୍ଠିତ ହୋଇଥିଲା ଏହି ପଲ୍ଲୀସଭାରେ ପରବାରକ ନିୟମାନୁଯାୟୀ ୫୦ ପ୍ରତିଶତରୁ ଊର୍ଦ୍ଧ୍ଵ ସାବାଳକ ଭୋଟର ଅଂଶଗ୍ରହଣ କରି ସେମାନଙ୍କର ମତାମତ ଦେଇ ଉପରୋକ୍ତ ପ୍ରସ୍ତାବକୁ ଅନୁମୋଦନ କରିଥିଲେ ।

ପଲ୍ଲୀସଭା ନିର୍ଦ୍ଧାରଣ ଏକକିତା ନକଲ ଆବଶ୍ୟକୀୟ କାର୍ଗଜାତ ସହ ଆପଣଙ୍କ ଗୋଟରାଧେ ଓ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ଦାଖଲ କରାଗଲା ।

ଆପଣଙ୍କ ବିଶ୍ଵସ୍ତ

Sarpanch

Laidapada Gram Panchayat
ସରପଞ୍ଚ ଲାଉଡ଼ା ପଦା ଗ୍ରା. ପ.

ସଂଲଗ୍ନ ହୋଇଥିବା ନଥିପତ୍ର

୧. ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରାମାଣିତ ବିବରଣୀ

୨. ନୃଶ୍ୟ ଶ୍ରାବ୍ୟ (ଭିଡିଓ ସିଡି)

୩. ଛିର ଚିତ୍ର

୪. ପ୍ରଚାର ଚିତ୍ର


୫. ଯାତ୍ରା ହୋଇଥିବା ଭୋଟର ଲିଷ୍ଟର ନକଲ

୬. ଅଣ ଜଙ୍ଗଲ ଭାବେ ବ୍ୟବହାର ହେବାକୁ ଥିବା ପ୍ରସ୍ତାବିତ ଜମିର ନକସା

୭. ଗୋଷ୍ଠୀ ସମୟର ଅଧିକାରୀଙ୍କ ଆବେଦନ ପତ୍ର

୮. ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁଷ୍ଠିତ କରିବା ପାଇଁ ଗ୍ରା. ପ. ହାତୀ ଜାଗା ବରାଯାଇଥିବା ନୋଟିସ

୯. ଯଥାର୍ଥତା ପ୍ରମାଣ ପତ୍ର


Sarpanch
Laida Pada Gram Panchayat
Dist. Keonjhar

ଗାମ : ଲାଇଡା ପଦା

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୭୭୧ (ପୁରୁଷ = ୩୧୮ ଓ ମହିଳା = ୩୫୩)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୪୦୭

ସେଥିରୁ ଲାଇଡା ପଦା ଦସ୍ତଖତ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୩୫୪


ମହିଳା = ୨୦୧

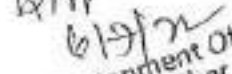
ପୁରୁଷ = ୧୫୩

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବର ଗୃହିକ ରୁଗୁଡ଼ିହି, ଟୋପାଡ଼ିହି ଇତ୍ୟାଦି ଗ୍ରାମର ଭୋଟରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୧୩, ୧୮, ୪୫, ୫୫, ୭୪, ୭୭, ୮୪, ୮୭, ୧୦୫, ୧୦୭, ୧୧୩, ୧୨୭, ୧୨୯, ୧୫୮, ୧୬୩, ୧୭୫, ୧୭୦, ୧୭୨, ୧୮୧, ୧୮୪, ୧୯୧, ୧୯୫, ୨୦୪, ୨୧୯, ୨୩୨, ୨୩୭, ୨୪୯, ୨୫୭, ୨୬୦, ୨୬୩, ୨୬୫, ୨୬୭, ୨୭୪, ୨୭୯, ୨୮୫, ୨୮୭, ୨୯୭, ୩୦୦, ୩୦୪, ୩୧୨, ୩୧୭, ୩୧୯, ୩୨୩, ୩୪୭, ୩୫୨, ୩୫୯, ୩୬୭, ୩୭୦, ୩୭୭, ୩୮୪, ୩୯୭, ୪୦୦, ୪୦୨, ୩୪, ୧୪୪, ୯, ୭, ୩୨, ୨୯, ୪୪, ୪୧, ୩୮, ୭୯, ୭୫, ୯୭, ୧୦୨, ୧୨୩ ଓ ୨୩୩ ।


Panchayat Executive Officer
LAIDAPADA G.P.


Block Development Officer
Joda, Keonjhar

ଗ୍ରାମ : ଲଇଡା ପଦା

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୭୭୧ (ପୁରୁଷ = ୩୯୮ ଓ ମହିଳା = ୩୭୩)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୪୦୭

ସେଥିରୁ ଲଇଡା ପଦା ଦସ୍ତଖତ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୩୫୪


ମହିଳା = ୨୦୧

ପୁରୁଷ = ୧୫୩

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବରପୂର୍ବକ କୋଟାପାଟି, ଝୁଝୁଡ଼ି ଇତ୍ୟାଦି ଗ୍ରାମର ଭୋଟରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୯୩, ୧୮, ୪୫, ୫୫, ୭୪, ୭୭, ୮୪, ୮୭, ୧୦୫, ୧୦୭, ୧୧୩, ୧୨୭, ୧୨୯, ୧୫୮, ୧୬୩, ୧୭୫, ୧୭୦, ୧୭୨, ୧୮୧, ୧୮୪, ୧୯୧, ୧୯୫, ୨୦୪, ୨୧୯, ୨୩୨, ୨୩୭, ୨୪୯, ୨୫୭, ୨୬୦, ୨୬୩, ୨୬୫, ୨୬୭, ୨୭୪, ୨୭୯, ୨୮୫, ୨୮୭, ୨୯୭, ୩୦୦, ୩୦୪, ୩୧୨, ୩୧୭, ୩୧୯, ୩୨୩, ୩୪୭, ୩୫୨, ୩୫୯, ୩୬୭, ୩୭୦, ୩୭୭, ୩୮୪, ୩୯୭, ୪୦୦, ୪୦୨, ୩୪, ୧୪୪, ୯, ୭, ୩୯, ୨୯, ୪୪, ୪୧, ୩୮, ୬୯, ୭୫, ୯୬, ୧୦୨, ୨୨୩ ଓ ୨୩୩ ।


Laida Pada Gram Panchayat
Dist. Keonjhar

2

ଅନୁସୂଚିତ ଶାସନ କ୍ଷେତ୍ର

Booth No. - 63

Sl. No. Voter ID Card No.

(1)	ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ	111	OR/21/142/126015
(2)	Raja Manda	231	HS82126246
(3)	ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ	549	OR/21/142/126198
(4)	ଶ୍ରୀମତୀ	183	OR/21/142/126034
(5)	ଶ୍ରୀମତୀ	571	RFZ1013630
(6)	Kandra Manda	529	OR/21/142/126180
(7)	ଶ୍ରୀମତୀ	499	OR/21/142/126156
(8)	Ram Bantik	200	OR/21/142/126029
(9)	ଶ୍ରୀମତୀ	169	OR/21/142/126030
(10)	Narsingha Bantik	142	OR/21/142/126028
(11)	ଶ୍ରୀମତୀ	12	RFZ0425272
(12)	ଶ୍ରୀମତୀ	580	OR/21/142/126011
(13)	ଶ୍ରୀମତୀ	531	OR/21/142/126187
(14)	Dura Naik	542	OR/21/142/126194
(15)	ଶ୍ରୀମତୀ	546	RFZ0642629
(16)	ଶ୍ରୀମତୀ	170	OR/21/142/126031
(17)	ଶ୍ରୀମତୀ		
(18)	ଶ୍ରୀମତୀ		
(19)	Champa Mohanty	512	OR/21/142/126166
(20)	Rokha Rang Apat	525	RFZ1480658
(21)	Sahar Naik	576	HSR3326436

(22) Ripin Kulkar	528	RF20425437
(23) Jashoda Patel	61	RF20920983
(24)	518	RF20642405
(25)	192	RF21403948
(26)	43	RF20920991
(27)	548	HSR3736212
(28)	97	RF20642520
(29)	117	HSR3737939
(30)	93	HSR3377892
(31)	95	RF20425330
(32)	113	OR/21/142/126017
(33) Palani Naidu	530	OR/21/142/126126
(34)	112	OR/21/142/126016
(35)	202	RF20642371
(36) M BARIK	550	OR/21/142/126199
(37)	160	RF21040666
(38)	210	OR/21/142/126041
(39)	212	RF20921031
(40)	171	RF20529313
(41)	177	RF21204445
(42)	146	RF21122333
(43)	16	RF20920967
(44)	144	HSR3736154
(45)	140	HSR3736436
(46)	533	OR/21/142/126188
(47)	510	OR/21/142/126190

...

...

(41) Bina Komari Apal	27	RF20127332
(50) Swarna Swari Apal	28	RF20127340
(51) Bimala K b r	527	RF20121007
L.T.I		
(52) Paavile Apal	523	OR/21/142/126076
(53)	24	OR/21/142/126105
(54) Kasturba Apal	14	RF20642348
(55)		
(56) Mangala Apal	81	HSR3737814
(57)	115	HSR3237194
(58)	184	OR/21/142/126035
(59) Saint Bank	144	HSR3736154
(60)	143	OR/21/142/126071
(61) Sumitra Munda	891	RF21040831
(62)	469	RF20642769
(63)	559	RF20642702
(64)	455	OR/21/142/126145
L.T.I		
(65)	414	RF20127514
(66)	401	HSR2108892
(67)	535	HSR3326819
L.T.I		
(68)	33	RF21335876
L.T.I		
(69)	412	HSR3324544
(70) Sulochana Bank	552	HSR33268774
(71)	564	OR/21/142/126021

(72) ^{L.T.} Cumitra Naik	422	OR/21/42/126126
(73) ^{L.T.} Somu Naik	322	RFZ1090864
(74) ^{L.T.} Jamuna Naik		
(75) ^{L.T.} Dhanu Naik	589	RFZ0493866
(76) ^{L.T.} Hira Naik		
(77) ^{L.T.} Baji Munda	371	OR/21/42/126994
(78) ^{L.T.} Chandra Munda	483	RFZ0127597
(79) ^{L.T.} Mayadhar Patra	209	OR/21/42/126010
(80) ^{L.T.} Jai Kumbhara Patra	39	OR/21/42/126006
(81) ^{L.T.} Bala Singh	308	RFZ1464957
(82) ^{L.T.} Gunder Singh	517	RFZ1467090
(83) ^{L.T.} Sukur Munda	681	RFZ0920694
(84) ^{L.T.} Bicky Mahapatra		
(85) ^{L.T.} Tubal Munda	641	HSPR 232560
(86) ^{L.T.} Raju Barik	141	RFZ1479070
(87) ^{L.T.} Jitendra Kumbhara		
(88) ^{L.T.} Anil K. Patra	558	HSPR 373751
(89) ^{L.T.} Taramani Singh	666	RFZ061624
(90) ^{L.T.} Bala K. Patra	520	HSPR 3736279
(91) ^{L.T.} Sudhakar Singh Patra	585	OR/21/42/126205

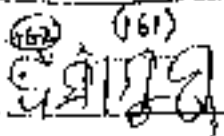
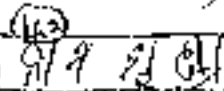
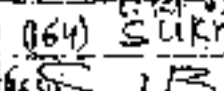
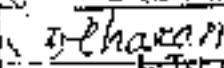
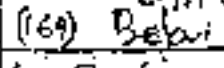
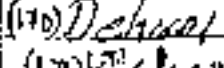
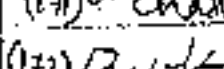

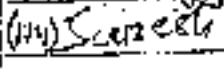
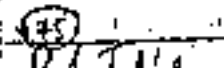
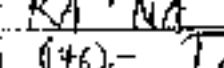
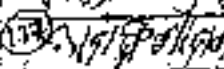

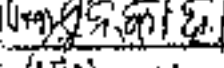
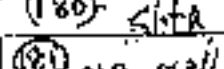
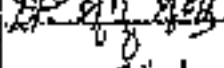

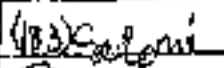
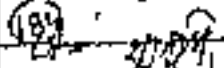
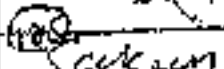
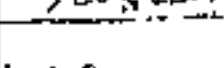

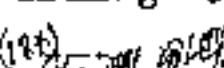


(92) L.F. Pama Naik	522	RFZ1040864
(93) L.T. Guntur Manda	59	RFZ1332766
(94) E. 689 5185	551	HSR3324768
(95) L.T. Na Gata Naik	532	HSR3326501
(96) L-111 Padma Naik	561	RFZ0187237
(97) E. 689 5185	613	HSR3325836
(98) L.T. Tutsi Manda	304	RFZ0127407
(99) E. 689 5185	582	RFZ0826610
(100) L.T. Suresh Bhandi	583	HSR3325180
(101) Sita Mahakhud	618	RFZ1040878
(102) L.T. Suresh Manda	456	DR/21/42/126/46
(103) Manu Pradhan	583	RFZ0840663
(104) L.T. Garban Manda	435	HSR3737624
(105) L.T. Padi Manda		
(106) Gura Manda	674	HSR3327574
(107) L.T. Sanjay Bastiyani		
(108) Bhudagapat	211	RFZ0425413
(109) Midhabhore	96	RFZ0425348
(110) E. 689 5185	517	RFZ0895045
(111) Arjuna Manda	629	HSR3320789

(120) L.H. of Birsa Munda	4610	RF20642694
(121) Tikeswar Nath	534	HSR3326493
(122) Lakhan Singh	348	RF20187146
(123) - Prabha Singh	345	HSR3377785
(124) - Deep Singh	344	HSR3377801
(125) L.H. Jamma Singh	350	RF20826594
(126) Rakhi Singh		
(127) Arjun Singh	352	RF20836602
(128) Harish Singh	349	RF20811665
(129) Namalhi Singh		
(130) Prabh Singh	385	RF20611832
(131) G. S. S.		
(132) L.H. Birbal Nath	384	RF21464882
(133) Keshab Khilra	585	HSR3736600
(134) Hemalata Mahant	547	HSR3738101
(135) S. S. S.	119	RF20642397
(136) S. S. S.	112	OR/21/142/128016
(137) S. S. S.	113	OR/21/142/128017
(138) Binod Bahari Mahant	122	RF20642381
(139) Lakshman Mahant	118	HSR3325982
(140) Sumitra Lagan	117	HSR3737937
	549	HSR3325514



1	...	79	HSR337728
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	...	92	OR/21/142/126023
	...	96	RFZ0425348
	...	94	HSR3377744
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(149)	...	108	RFZ122381
(150)	...	524	RFZ0425421
(151)	...	287	RFZ1308667
(152)	Partha Barik	288	RFZ1465566
(153)	Pandaba Barik	162	HSR3327020
(154)	Sabya narayan Mohanty	513	HSR3326816
(155)	Sinopari Manda	467	RFZ0127555
(156)	Sama manda	289	HSR9736329
(157)	Mohini Laxmi Manda	491	RFZ0127613
(158)	Laxma Manda		
(159)	Habi Manda	7	OR/21/142/126046
(160)	Pani Manda	637	HSR3328711

(161)  Anjilata naik	654 411	HSR3326618 HSR3325529
(162)  Srikram Munda	670	HSP 3327525
(163)  IBP MOHANITA		
(164) Jota Munda	590	RF20900835
(165) Purnachandra Munda	642	RF20826636
(166)  Charon Munda	619	HSR3325352
(167)  Behu Munda	638	HSR 3320725
(168)  Dehual Munda		
(169)  Chandra manij Datta	520	RF20925326
(170)  Munda	635	RF21040401
(171)  Munda	381	RF20826578
(172)  Munda		
(173)  RATNA	460	RF20920850
(174)  Jani Sungh Munda	665	HSR 33273896
(175)  Munda	282	OR/21/142/126061
(176)  Munda	442	OR/21/142/126186
(177)  Munda	234	HSR3336345
(178)  Sita Munda	640	HSR3325388
(179)  Munda		
(180)  Pata Munda	642	HSR 3325347
(181)  Munda	414	RF20127514
(182)  Munda		
(183)  Sukumar Munda	195	RF21334820
(184)  Munda	408	OR/21/142/126119
(185)  Munda	529	OR/21/142/126180

(188) L.T.I. of L.T. of [redacted]	152	RFZ 1335595
(189) L.T.I. of L.T. of [redacted]	458	OR/21/142/126146
(190) [redacted]	660	RFZ 0842645
(191) L.T.I. of L.T. of [redacted]		
(192) [redacted]	670	RFZ 1335306
(193) L.T.I. of L.T. of [redacted]	219	OR/21/142/126045
(194) R B U T M U N D A	241	RFZ 1333038
(195) P A N J A N M I A K		
(196) [redacted]	639	RFZ 0910884
(197) L.T.I. of Mungli Munda → [redacted]	22	RFZ 1335553
(198) L.T.I. of Subila Patra → [redacted]	587	HSR 3327301
(199) Navara Munda	972	RFZ 1040450
(200) L.T.I. of Jana Munda → [redacted]	439	HSR 3326627
(201) Gulapi Naik L.T. of Mitul Munda → [redacted]	677 19	RFZ 1334940 RFZ 1337757
(202) Anurut Naik [redacted]	669	RFZ 1322822
(203) L.T.I. of Jana Munda → [redacted]	417	RFZ 1013648

Signature

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(107)	L.T.I. of Sani Munda	157	RFZ1333921
(108)	L.T.I. of Mani Munda	402	RFZ0127498
(109)	L.T.I. of Santika Munda	380	RFZ0642322
(110)	L.T.I. of Dharmendra Mahal	32	RFZ1302447
(111)	L.T.I. of Kuntala Munda	817	RFZ0183294
(112)	L.T.I. of Sukraman Munda	412	HSR3327541
(113)	L.T.I. of Sami Munda	633	HSR3325727
(114)	L.T.I. of Sami Munda	420	HSR3325958
(115)	L.T.I. of Sami Munda	474	HSR3399466
(116)	L.T.I. of Sami Munda	302	RFZ0127399
(117)	L.T.I. of Sami Munda	449	OR/21/142/126129
(118)	L.T.I. of Sami Munda	622	HSR 3328733
(119)	L.T.I. of Sami Munda	285	RFZ0187096
(120)	L.T.I. of Sami Munda	453	HSR2124634
(121)	L.T.I. of Sami Munda	427	RFZ0826271
(122)	L.T.I. of Sami Munda	433	RFZ1040856

Faint, illegible handwriting on lined paper, possibly bleed-through from the reverse side. The text is mostly obscured by dark, irregular ink smudges or blotches.



(223) Lalita Naik	426	HSR3321111
(224) Kalyana Patra	574	HSR3377900
(225) Gireesh Nayak	243	HSR3377819
(226) Rajendra Singh L.T.I. of	309	HSR3737095
(227) Kulameli Munde	185	RF20642728
(228) D.G. Singh	588	RFZ1040906
(229) SUMIT MUNDA	156	RFZ1361120
L.T.I. of		
(230) Jayanti Munde	21	RFZ1335702
(231) Bijay Kumar Patra L.T.I. of	578	HSR3736196
(232) Jayanti Munde		
L.T.I. of		
(233) Gurabani Munde	435	HSR3737624
(234) G. P. Singh	305	HSR3326576
(235) Golapa Naik	328	RFZ0493908
(236) Darswati Naik		
(237) Pina Munde L.T.I. of	174	RFZ0642696
(238) Sushama Munde L.T.I. of	148	RFZ1334564
(239) G. P. Singh	351	RFZ0611681
(240) Priyanka Munde	459	RFZ0642488
L.T.I. of		
(241) Sabuni Munde	443	OR/21/142/126135
(242) Pooja Munde	315	RFZ1336287



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June 21 1911

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June 25 1911

June 26 1911

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June 29 1911

June 30 1911

(243) Siva Chandra Mishra		377	RFZ0127484
(244) Rajul Pama	G.T. of →	573	HSR3377934
(245) Gopal Singh		581	RFZ0493871
(246) Gopal Singh		575	HSR3377918
(247) Mantra Munda	G.T. of →	444	HSR3327459
(248) Sidhar Munda		332	RFZ0337799
(249) Prodip Ranjan Khentia	G.T. of →		
(250) Mencha Munda	G.T. of →	597	HSR2306212
(251) Gopal Singh		521	HSR2108959
(252) AJIT BARIK	G.T. of →	172	RFZ0611657
(253) Chandan Bhadra	G.T. of →	504	OR/21/142/28169
(254) Gopal Singh		1769	OR/21/142/26030
(255) Bijaya Kumar Barik		17	RFZ0529321
(256) Buduni Munda	G.T. of →	623	HSR3327582
(257) Bapi Mahapatra			
(258) Subodh Barik		159	RFZ0611582
(259) Ajay Barik		365	RFZ1203942
(260) Parraj Barik	G.T. of →		
(261) Lachman Lagun	G.T. of →	600	HSR3327046
(262) Bihad Barik		203	RFZ0642587
(263) Partha Barik			
(264) Gopal Singh		145	RFZ0642355
(265) Pankaj Kumar Barik	G.T. of →		
(266) Jayant Munda	G.T. of →	591	RFZ1040925
(267) Sidhar Apat			



Handwritten text, possibly a date or name, located to the right of the middle smudge.

Handwritten text, possibly a name, located to the right of the lower-middle smudge.

Handwritten text, possibly a name, located to the right of the bottom-middle smudge.

Handwritten text, possibly a name, located to the right of the bottom-middle smudge.

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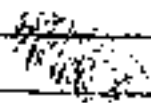
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Handwritten text, possibly a name, located to the right of the bottom-middle smudge.

Handwritten text, possibly a name, located to the right of the bottom-middle smudge.

(268)	Jatid Munda	331	RFZ1326710
(269)	Bathak Nalk	556	HSR3377710
(270)	Lipi of Munda Nalk	557	RFZ0187215
(271)	Lipi of Bathak Nalk	555	RFZ0187229
(272)	Lipi of Fulhari Nalk	554	OR/21/142/126202
(273)	Bepin Nalk	562	RFZ1468081
(274)	Suren Nalk		
(275)	Madhua Munda	625	HSR3325321
(276)	Bisadhar Parda	582	RFZ0642652
(277)	Lipi of Sanyu Parda	577	RFZ0127670
(278)	Lipi of Parda Parda	588	RFZ158973
(279)	Lipi of Paramate Parda		
(280)	Suren Parda	578	RFZ0826828
(281)	Amen Parda	222	RFZ1203918
(282)	Lipi Munda	627	HSR 3375762
(283)	Parda	566	RFZ0187252
(284)	Menjari Munda	589	HSR335578
(285)	Sanyu Parda		
(286)	Sanyu Parda	57	RFZ1326577
(287)	Suren Parda		
(288)	Suren Parda	23	OR/21/142/12604
(289)	Sama Munda	599	HSR3326351

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[Faint handwritten text]



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[Faint handwritten text]



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(290)	Sundan munda	50	RFZ1335496
(291)	Lil of [unclear]	4	RFZ1334721
(292)	[unclear]	487	RFZ0920918
(293)	Lil of [unclear]	429	OR/2111421726128
(294)	Sarejnd Naste	107	HSR372711
(295)	Abhiram Munda	664	HSR3573870
(296)	Ajet Basik		
(297)	Lil of [unclear]	598	HSR3325586
(298)	Lil of [unclear]	429	HSR3327103
(299)	Sanu munda	574	HSR33287AB
(300)	[unclear]		
(301)	Mamimunda	479	RFZ064262
(302)	[unclear]		RFZ0826644
(303)	Dusun Munda	133	RFZ123657A
(304)	[unclear]		
(305)	Mithun Nayak	178	RFZ1336643
(306)	Pontajani Apat	178	RFZ061277F
(307)	[unclear]	651	HSR3325305
(308)	Makaka Munda	352	RFZ0127421
(309)	[unclear]	542	RFZ0642793

(310)	श्री शिव	258	RFZ1124023
(311)	Sabit Kullu	150	RFZ1336689
(312)	LELLA Mangala Munda	271	ORJ21142126056
(313)	शिव	321	MSR 493916
(314)	शिव	466	RFZ0642311
(315)	SUKRAMEE SONAR	510	RFZ0642663
(316)	Mahon Naik		
(317)	श्री शिव	293	RFZ0920876
(318)	Nandora Behra	83	RFZ1332897
(319)	शिव		
(320)	Laxmi Naik	328	MSR 3736612
(321)	Laxmidhar Naik		MSR3325214
(322)	Dukhini Munda	208	RFZ0642785
(323)	शिव		
(324)	Minku Jaiswal	497	RFZ0187195
(325)	शिव	158	RFZ1361237
(326)	SUKUMAR Naik	524	ORJ2114211413
(327)	Kamsingh Charpia	645	MSR3325370
(328)	Pranab Chandra	502	RFZ1040708
(329)	शिव	561	RFZ0187237
(330)	शिव	106	RFZ1204300
(331)	Aupa Naik	378	RFZ1040682

(332)	Prakash Singh	343	HSR3377785
(333)	Budhu Munda	302	HSR3774062
(334)	L.T. of Rajna Munda	259	RFZ1336692
(335)	Dillip Alair	273	RFZ1040469
(336)	L.T. of Munda	214	HSR3377827
(337)	B.S. Singh	478	HSR3737205
(338)	Bijal Singh	253	OR/21/142/126050
(339)	L.T. of Rajmunda Munda	486	RFZ0727589
(340)	G. Singh	306	RFZ1040632
(341)	B. Singh	302	HSR3737491
(342)	B. Singh	327	HSR373576
(343)	Tabbaram Apak	29	RFZ0642538
(344)	Tana Munda	180	HSR0108925
(345)	Appalair	180	RFZ1203801
(346)	Sushama Munda	294	RFZ1332758
(347)	L.T. of Tana Munda		
(348)	Muna Munda	297	HSR3226120
(349)	L.T. of Munda	628	HSR3325767
(350)	S. Singh	119	RFZ0842397
(351)	Gangadhar	301	OR/21/142/126050

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(352)	Wanate		
(353)	Lodze stak	179	RFZ 1381377
(354)	Alabinda Munda	115	RFZ 1468107
(355)	L.T. of Jamber Bay	438	OR/21/142/126133
(356)	L.T. of Maraba Munda	80	RFZ 1333194
(357)	911025 9191	484	RFZ 0127563
(358)	911025 9191	67	RFZ 1337658
(359)	L.T. of Raja Munda		
(360)	61151 111 111	307	RFZ 104049
(361)	L.T. of Bekharoné Munda	98	RFZ 0127373
(362)	240 201	72	RFZ 1335120
(363)	L.T. of Samitak	367	OR/21/142/126012
(364)	Jatn	910	RFZ 1330315
(365)	L.T. of Mamanam	103	RFZ 0966010
(366)	L.T. of Rak Apal		
(367)	Sodika Bay	168	RFZ 1204296
(368)	611 111 111	656	HR 3326550
(369)	Rajeeh Munda	284	HR 3736956
(370)	9121 111 111		
(371)	L.T. of Namri Munda	207	RFZ 1335637
(372)	Gamia	52	RFZ 1336056

(373)	Palaki Munda	298	RFZ1333186
(374)	[Redacted] L.I. of [Redacted]	130	RFZ0127054
(375)	[Redacted] Gharabani Munda	275	HSR3326253
(376)	[Redacted]	134	RFZ1336452
(377)	Kumar Apat.		
(378)	[Redacted] L.I. of Kuchalaki	174	RFZ1332857
(379)	[Redacted] Phorat Naik	336	RFZ0493924
(380)	[Redacted] L.I. of Kuchalaki	286	RFZ1333905
(381)	Syata Munda	75	RFZ1335070
(382)	[Redacted]	276	RFZ0642637
(383)	Sukra Munda	464	RFZ114126150
(384)	Putu Munda		
(385)	Morjusa Barik	177	RFZ1209445
(386)	[Redacted] Pukam Jarach		RFZ0642512
(387)	[Redacted] L.I. of Puspata Laggar	601	RFZ1040658
(388)	[Redacted]	280	RFZ1335889
(389)	[Redacted] L.I. of Rina Munda	317	RFZ1333012
(390)	Basanti Naik	316	RFZ1332683
(391)	[Redacted] L.I. of Sukramani Munda	418	HSR3325933
(392)	Phulmani Tanhi	608	HSR2328196
(393)	[Redacted] L.I. of Gharabani Munda	290	RFZ1142126065
(394)	[Redacted] L.I. of Raibani Munda	480	HSR3727077

(395)	Gen 87	296	RFZ1203868
(396)	Tukuli Apat		
(397)	Tulasi munda	475	HSR3737327
(398)	Tulasi munda	374	OR/21/142/125/06
(399)	Sover munda	650	HSK3325511
(400)	Bikashi Sang		
(401)		336	RFZ1309731
(402)	Bimas Kibidas		
(403)		105	OR/21/142/126/51
(404)	JAGA MANDA	251	RFZ1335230
(405)	Blrang munda		RFZ1465517
(406)		221	RFZ133619

<p>୧୧) ନାମ: କୁଳଦେବି ମୁଖା ପିତାଙ୍କ ନାମ: ବିଶ୍ୱନାଥ ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 24 ସିଟା: ୭1</p> <p>RF71028160</p> <p>Photo is Available</p>	<p>୧2) ନାମ: ଭୀମ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରଚରଣ ଉପାଦେ ବୟସ: 5 ଯତ୍ନ: 59 ସିଟା: ୭1</p> <p>OR211142128013</p> <p>Photo is Available</p>	<p>୧3) ନାମ: ବନମାଳିନୀ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରଚରଣ ଉପାଦେ ବୟସ: 5 ଯତ୍ନ: 39 ସିଟା: ୭1</p> <p>HSR3738170</p> <p>Photo is Available</p>
<p>୧୪) ନାମ: ସତ୍ୟଜିତ ଉପାଦେ ପିତାଙ୍କ ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ବୟସ: 5 ଯତ୍ନ: ୩୮ ସିଟା: ୭1</p> <p>RFZ1820980</p> <p>Photo is Available</p>	<p>୧5) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରଚରଣ ଉପାଦେ ବୟସ: 5 ଯତ୍ନ: ୩5 ସିଟା: ୭୧</p> <p>HSR3738188</p> <p>Photo is Available</p>	<p>୧6) ନାମ: ବନମାଳିନୀ ପୁରୀର ନାମ: ବୈଷଣ ଉପାଦେ ବୟସ: ୦୯ ଯତ୍ନ: 59 ସିଟା: ୭1</p> <p>RFZ1332956</p> <p>Photo is Available</p>
<p>୧୭) ନାମ: ବିଶ୍ୱନାଥ ପିତାଙ୍କ ନାମ: ଉପାଦେ ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 31 ସିଟା: ୭1</p> <p>RFZ1336031</p> <p>Photo is Available</p>	<p>୧8) ନାମ: କୁମୁଦିନୀ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ର ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: ୩1 ସିଟା: ୭୧</p> <p>RFZ1305942</p> <p>Photo is Available</p>	<p>୧9) ନାମ: ସତ୍ୟଜିତ ମୁଖା ପୁରୀର ନାମ: ବିଶ୍ୱ ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 11 ସିଟା: ୭1</p> <p>RFZ1337658</p> <p>Photo is Available</p>
<p>୨୦) ନାମ: ବିଶ୍ୱନାଥ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ମୁଖା ବୟସ: ୦୭ ଯତ୍ନ: 41 ସିଟା: ୭୧</p> <p>RFZ1204106</p> <p>Photo is Available</p>	<p>୨1) ନାମ: କୁମୁଦିନୀ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ର ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 41 ସିଟା: ୭୧</p> <p>RFZ1335918</p> <p>Photo is Available</p>	<p>୨2) ନାମ: କୁମୁଦିନୀ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 31 ସିଟା: ୭1</p> <p>RFZ1335520</p> <p>Photo is Available</p>
<p>୨3) ନାମ: କୁମୁଦିନୀ ପିତାଙ୍କ ନାମ: ବିଶ୍ୱନାଥ ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 31 ସିଟା: ୭1</p> <p>RFZ1334254</p> <p>Photo is Available</p>	<p>୨4) ନାମ: ବିଶ୍ୱନାଥ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ମୁଖା ବୟସ: ୦୭ ଯତ୍ନ: 21 ସିଟା: ୭1</p> <p>RFZ1204183</p> <p>Photo is Available</p>	<p>୨5) ନାମ: କୁମୁଦିନୀ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ର ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 21 ସିଟା: ୭1</p> <p>RFZ1335470</p> <p>Photo is Available</p>
<p>୨6) ନାମ: ବିଶ୍ୱନାଥ ମୁଖା ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ର ମୁଖା ବୟସ: ୦୯ ଯତ୍ନ: 21 ସିଟା: ୭୧</p> <p>RFZ1338875</p> <p>Photo is Available</p>	<p>୨7) ନାମ: କୁମୁଦିନୀ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: ୦୯ ସିଟା: ୭1</p> <p>OR211142126026</p> <p>Photo is Available</p>	<p>୨8) ନାମ: ଶ୍ରୀମତୀ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 18 ସିଟା: ୭୧</p> <p>OR211142126021</p> <p>Photo is Available</p>
<p>୨9) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: ୧2 ସିଟା: ୭1</p> <p>HSR377728</p> <p>Photo is Available</p>	<p>୩୦) ନାମ: ଶ୍ରୀମତୀ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: ୩0 ସିଟା: ୭୧</p> <p>HSR370374</p> <p>Photo is Available</p>	<p>୩1) ନାମ: ଶ୍ରୀମତୀ ଉପାଦେ ପୁରୀର ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: ୦7 ସିଟା: ୭1</p> <p>HSR3737314</p> <p>Photo is Available</p>
<p>୩2) ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ପିତାଙ୍କ ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 38 ସିଟା: ୭୧</p> <p>RFZ0920975</p> <p>Photo is Available</p>	<p>୩3) ନାମ: କୁମୁଦିନୀ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 36 ସିଟା: ୭1</p> <p>RFZ0842447</p> <p>Photo is Available</p>	<p>୩4) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 35 ସିଟା: ୭୧</p> <p>RF28542878</p> <p>Photo is Available</p>
<p>୩5) ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ପିତାଙ୍କ ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 33 ସିଟା: ୭୧</p> <p>RFZ0828588</p> <p>Photo is Available</p>	<p>୩6) ନାମ: କୁମୁଦିନୀ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: 27 ସିଟା: ୭୧</p> <p>RFZ0842454</p> <p>Photo is Available</p>	<p>୩7) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୫ ଯତ୍ନ: ୦୦ ସିଟା: ୭୧</p> <p>RF28371840</p> <p>Photo is Available</p>
<p>୩8) ନାମ: ବିଶ୍ୱନାଥ ମୁଖା ପିତାଙ୍କ ନାମ: ଚନ୍ଦ୍ରନାଥ ମୁଖା ବୟସ: ୦୭ ଯତ୍ନ: 26 ସିଟା: ୭୧</p> <p>RFZ1337788</p> <p>Photo is Available</p>	<p>୩9) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୦୭ ଯତ୍ନ: 24 ସିଟା: ୭1</p> <p>RFZ1338435</p> <p>Photo is Available</p>	<p>୪୦) ନାମ: ବିଶ୍ୱନାଥ ଉପାଦେ ପୁରୀର ନାମ: ଚନ୍ଦ୍ରନାଥ ଉପାଦେ ବୟସ: ୦୭ ଯତ୍ନ: 27 ସିଟା: ୭1</p> <p>RFZ1330015</p> <p>Photo is Available</p>

<p>271 ନାମ: ମହମ୍ମଦ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 38 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120055</p> <p>Photo is Available</p>	<p>272 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 32 ବର୍ଷ ପୁରୁଷ</p> <p>RF21326194</p> <p>Photo is Available</p>	<p>273 ନାମ: ପୁରୁଷ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 49 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120058</p> <p>Photo is Available</p>
<p>274 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 48 ବର୍ଷ ପୁରୁଷ</p> <p>HSR3326248</p> <p>Photo is Available</p>	<p>275 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 41 ବର୍ଷ ପୁରୁଷ</p> <p>FSR3326293</p> <p>Photo is Available</p>	<p>276 ନାମ: ପ୍ରଦୀପ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 37 ବର୍ଷ ପୁରୁଷ</p> <p>RF20842637</p> <p>Photo is Available</p>
<p>277 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 39 ବର୍ଷ ପୁରୁଷ</p> <p>RF20842470</p> <p>Photo is Available</p>	<p>278 ନାମ: ଚିତ୍ତେଶ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 38 ବର୍ଷ ପୁରୁଷ</p> <p>RF21486517</p> <p>Photo is Available</p>	<p>279 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 41 ବର୍ଷ ପୁରୁଷ</p> <p>RF21333210</p> <p>Photo is Available</p>
<p>280 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 36 ବର୍ଷ ପୁରୁଷ</p> <p>RF21335884</p> <p>Photo is Available</p>	<p>281 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 21 ବର୍ଷ ପୁରୁଷ</p> <p>RF21331114</p> <p>Photo is Available</p>	<p>282 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 63 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120061</p> <p>Photo is Available</p>
<p>283 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 32 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120062</p> <p>Photo is Available</p>	<p>284 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 38 ବର୍ଷ ପୁରୁଷ</p> <p>HSR3326298</p> <p>Photo is Available</p>	<p>285 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 31 ବର୍ଷ ପୁରୁଷ</p> <p>RF20187009</p> <p>Photo is Available</p>
<p>286 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 34 ବର୍ଷ ପୁରୁଷ</p> <p>RF21333936</p> <p>Photo is Available</p>	<p>287 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 29 ବର୍ଷ ପୁରୁଷ</p> <p>RF21330887</p> <p>Photo is Available</p>	<p>288 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 39 ବର୍ଷ ପୁରୁଷ</p> <p>RF21405586</p> <p>Photo is Available</p>
<p>289 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 27 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120063</p> <p>Photo is Available</p>	<p>290 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 47 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120064</p> <p>Photo is Available</p>	<p>291 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 31 ବର୍ଷ ପୁରୁଷ</p> <p>RF21049051</p> <p>Photo is Available</p>
<p>292 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 26 ବର୍ଷ ପୁରୁଷ</p> <p>RF21320668</p> <p>Photo is Available</p>	<p>293 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 28 ବର୍ଷ ପୁରୁଷ</p> <p>RF20830678</p> <p>Photo is Available</p>	<p>294 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 28 ବର୍ଷ ପୁରୁଷ</p> <p>RF21332758</p> <p>Photo is Available</p>
<p>295 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 34 ବର୍ଷ ପୁରୁଷ</p> <p>RF21332799</p> <p>Photo is Available</p>	<p>296 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 20 ବର୍ଷ ପୁରୁଷ</p> <p>RF21200868</p> <p>Photo is Available</p>	<p>297 ନାମ: ସୁବିଜୟ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 48 ବର୍ଷ ପୁରୁଷ</p> <p>HSR3326171</p> <p>Photo is Available</p>
<p>298 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 33 ବର୍ଷ ପୁରୁଷ</p> <p>RF21333106</p> <p>Photo is Available</p>	<p>299 ନାମ: ଉପେନ୍ଦ୍ର ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 23 ବର୍ଷ ପୁରୁଷ</p> <p>OR21/142/120060</p> <p>Photo is Available</p>	<p>300 ନାମ: ସୁବ୍ରତ ମୁସ୍ତା ପିତାଙ୍କ ନାମ: ଉସ୍ମାନ ମୁସ୍ତା ଗ୍ରହଣ: 21 ବୟସ: 42 ବର୍ଷ ପୁରୁଷ</p> <p>RF210187104</p> <p>Photo is Available</p>

<p>101</p> <p>ପୁରୀ ଜିଲ୍ଲା</p> <p>ଜା ନାମ: ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 27 ବର୍ଷ: 81</p>	<p>RFZ1040058</p> <p>Photo is Available</p>	<p>102</p> <p>ନର ପାଲ ବାଲୁଆ</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ବାଲୁଆ</p> <p>ଫ 10</p> <p>ପ: 31 ବର୍ଷ: 82</p>	<p>RFZ0782911</p> <p>Photo is Available</p>	<p>103</p> <p>ନାମ: ଚିତ୍ତାମଣି</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 27 ବର୍ଷ: 81</p>	<p>RFZ09290710</p> <p>Photo is Available</p>
<p>104</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ଅର୍ଜୁନ ବାଲୁଆ</p> <p>ଫ 10</p> <p>ପ: 38 ବର୍ଷ: 82</p>	<p>HSR3327063</p> <p>Photo is Available</p>	<p>105</p> <p>ନାମ: ପ୍ରଦୀପ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 41 ବର୍ଷ: 81</p>	<p>HSR3325600</p> <p>Photo is Available</p>	<p>106</p> <p>ନାମ: ପ୍ରଦୀପ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 10</p> <p>ପ: 43 ବର୍ଷ: 82</p>	<p>HSR3325668</p> <p>Photo is Available</p>
<p>107</p> <p>ପୁରୀ ଜିଲ୍ଲା</p> <p>ଜା ନାମ: ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 39 ବର୍ଷ: 81</p>	<p>HSR3328188</p> <p>Photo is Available</p>	<p>108</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 41 ବର୍ଷ: 81</p>	<p>HSR3328108</p> <p>Photo is Available</p>	<p>109</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 10</p> <p>ପ: 42 ବର୍ଷ: 81</p>	<p>HSR3325735</p> <p>Photo is Available</p>
<p>110</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ମଧୁସୂଦନ ମୁଖା</p> <p>ଫ 10</p> <p>ପ: 41 ବର୍ଷ: 81</p>	<p>HSR3325420</p> <p>Photo is Available</p>	<p>111</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଫ 10</p> <p>ପ: 38 ବର୍ଷ: 80 ବର୍ଷ: 82</p>	<p>HSR3325438</p> <p>Photo is Available</p>	<p>112</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 10</p> <p>ପ: 41 ବର୍ଷ: 82</p>	<p>RFZ0167280</p> <p>Photo is Available</p>
<p>113</p> <p>ମଧୁସୂଦନ ମୁଖା</p> <p>ଜା ନାମ: ପଦ୍ମାବତୀ</p> <p>ଫ 11</p> <p>ପ: 40 ବର୍ଷ: 82</p>	<p>HSR3325630</p> <p>Photo is Available</p>	<p>114</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 11</p> <p>ପ: 41 ବର୍ଷ: 82</p>	<p>HSR3325628</p> <p>Photo is Available</p>	<p>115</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 11</p> <p>ପ: 42 ବର୍ଷ: 81</p>	<p>HSR3327277</p> <p>Photo is Available</p>
<p>116</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଫ 11</p> <p>ପ: 45 ବର୍ଷ: 81</p>	<p>HSR3326006</p> <p>Photo is Available</p>	<p>117</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 11</p> <p>ପ: 45 ବର୍ଷ: 82</p>	<p>RFZ0181294</p> <p>Photo is Available</p>	<p>118</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 11</p> <p>ପ: 41 ବର୍ଷ: 81</p>	<p>RFZ1040898</p> <p>Photo is Available</p>
<p>119</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 41 ବର୍ଷ: 82</p>	<p>HSR3325202</p> <p>Photo is Available</p>	<p>120</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 39 ବର୍ଷ: 82</p>	<p>HSR3327525</p> <p>Photo is Available</p>	<p>121</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 12</p> <p>ପ: 38 ବର୍ଷ: 81</p>	<p>HSR3325446</p> <p>Photo is Available</p>
<p>122</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 44 ବର୍ଷ: 81</p>	<p>HSR3326733</p> <p>Photo is Available</p>	<p>123</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 81</p>	<p>HSR3327582</p> <p>Photo is Available</p>	<p>124</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 41 ବର୍ଷ: 82</p>	<p>HSR3327574</p> <p>Photo is Available</p>
<p>125</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 82</p>	<p>HSR3325321</p> <p>Photo is Available</p>	<p>126</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 81</p>	<p>HSR3325309</p> <p>Photo is Available</p>	<p>127</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ପଦ୍ମାବତୀ</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 81</p>	<p>HSR3325786</p> <p>Photo is Available</p>
<p>128</p> <p>ପଦ୍ମାବତୀ ମୁଖା</p> <p>ଜା ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 81</p>	<p>HSR3325776</p> <p>Photo is Available</p>	<p>129</p> <p>ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ପିତାଙ୍କ ନାମ: ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 43 ବର୍ଷ: 82</p>	<p>HSR3325784</p> <p>Photo is Available</p>	<p>130</p> <p>ନାମ: ପଦ୍ମାବତୀ ମୁଖା</p> <p>ପୁରୀ ଜିଲ୍ଲା ଅର୍ଜୁନ ମୁଖା</p> <p>ଫ 12</p> <p>ପ: 41 ବର୍ଷ: 81</p>	<p>HSR3325792</p> <p>Photo is Available</p>

<p>୫୩୩</p> <p>ନାମ: ଉପାଧ୍ୟକ୍ଷ ସେଣା ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ସେଣା ପଦବୀ: ୩୩ ବୟସ: ୨୨ ବର୍ଷ: ୧୨୫</p> <p>RFZ1040413</p> <p>Photo is Available</p>	<p>୫୩୪</p> <p>ନାମ: ଉପାଧ୍ୟକ୍ଷ ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୨୨ ବର୍ଷ: ୧୨୫</p> <p>RFZ0906093</p> <p>Photo is Available</p>	<p>୫୩୫</p> <p>ନାମ: ଉପାଧ୍ୟକ୍ଷ ମହାପାତ୍ର ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ0127068</p> <p>Photo is Available</p>
<p>୫୩୬</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷ ମୁଖା ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>HSR3573870</p> <p>Photo is Available</p>	<p>୫୩୭</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷ ମୁଖା ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>HSR3573896</p> <p>Photo is Available</p>	<p>୫୩୮</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ0011824</p> <p>Photo is Available</p>
<p>୫୩୯</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ0012579</p> <p>Photo is Available</p>	<p>୫୪୦</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ1204544</p> <p>Photo is Available</p>	<p>୫୪୧</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ1332632</p> <p>Photo is Available</p>
<p>୫୪୨</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ1335308</p> <p>Photo is Available</p>	<p>୫୪୩</p> <p>ନାମ: ଅଧ୍ୟକ୍ଷାପି ବିଭାଗ ନାମ: ଲକ୍ଷ୍ମୀନଗର ପଦବୀ: ୩୩ ବୟସ: ୩୩ ବର୍ଷ: ୧୨୫</p> <p>RFZ1330140</p> <p>Photo is Available</p>	



சமூக நல இயக்கம்

LAIIDAPADA GRAM PANCHAYAT LAIDAPADA

Charitrbhujá Nalk, Sarpanch Laidapada G.P.
At. Laidapada, P.O. Guali, Dist. Keonjhar (Odisha) Pin. 758 035
Mob. : 9337543081

Ref. No. _____ Date _____

ଆମ ପଞ୍ଚାୟତରାଜ ଦ୍ୱାରା-

କ୍ଷମା ପତ୍ର ପଠାଇବା ପାଇଁ ଆମେ ଆପଣଙ୍କୁ କୃତଜ୍ଞତା ଜଣାଉଛୁ । ଆପଣଙ୍କର ନିକଟରେ ଥିବା କୌଣସି ଅଧିକାରୀଙ୍କୁ ଶୁଣାଇ ଦେବା ପାଇଁ ଆମେ ପ୍ରାର୍ଥନା କରୁଛୁ । ଆପଣଙ୍କର କୌଣସି ଅଧିକାରୀଙ୍କୁ ଶୁଣାଇ ଦେବା ପାଇଁ ଆମେ ପ୍ରାର୍ଥନା କରୁଛୁ ।

ଠିକଣା	ଆକାଶବାଣୀ	ଆମପଞ୍ଚାୟତରାଜ	ଆମପଞ୍ଚାୟତରାଜ	ଗ୍ରାମପଞ୍ଚାୟତରାଜ
	ଠିକଣା	ଠିକଣା	ଠିକଣା	ଠିକଣା
ଠିକଣା	ଠିକଣା	ଠିକଣା	ଠିକଣା	ଠିକଣା
ଠିକଣା	ଠିକଣା	ଠିକଣା	ଠିକଣା	ଠିକଣା

ଆମ ପଞ୍ଚାୟତରାଜ ଦ୍ୱାରା ଆପଣଙ୍କର କୌଣସି ଅଧିକାରୀଙ୍କୁ ଶୁଣାଇ ଦେବା ପାଇଁ ଆମେ ପ୍ରାର୍ଥନା କରୁଛୁ । ଆପଣଙ୍କର କୌଣସି ଅଧିକାରୀଙ୍କୁ ଶୁଣାଇ ଦେବା ପାଇଁ ଆମେ ପ୍ରାର୍ଥନା କରୁଛୁ ।



e-mail: -o:mco@nic.in

ପଞ୍ଚାୟତ ସମିତି କାର୍ଯ୍ୟାଳୟ, ଯୋଡା

ଯୋଡା-୭୫୮୦୩୪, ଜିଲ୍ଲା-କେନ୍ଦୁଝର

ପତ୍ର ସଂଖ୍ୟା... ୨୫୭୮୩... ତାରିଖ... ୦୯.୦୯.୨୦୨୧

ପ୍ରାପ୍ତକ୍ଷେପ

ସରକାରୀ ଗୁଆଲି ଏବଂ ଲାଇଟାପତା ଗ୍ରାମପଞ୍ଚାୟତ
ସା-ଗୁଆଲି

ବିଷୟ : M/s Odisha Mining Corporation Limited (OMC Ltd.) ଙ୍କ ଦ୍ୱାରା ଗୁଆଲି ଏବଂ ଲାଇଟାପତା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲହରପଡା, ପାଣ୍ଡୁନିପୋଖି, ଗୁରୁଡି, ଡୋପାଟିହି, ସିଧମନ ରିଜର୍ଭ ପରେଇଠାରେ ଲୌହ ଖଣି ଖନନ ନିମନ୍ତେ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଜନଶାନ୍ତି ଓ ଅନ୍ୟାନ୍ୟ ପାରିଶ୍ରାମିକ ବନଭାଗୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱାଭୂତି) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ପ୍ରମାଣ ପତ୍ର ପ୍ରାପ୍ତ ନିମନ୍ତେ ଗ୍ରାମପଞ୍ଚା ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ପ୍ରାପ୍ତକ୍ଷେପ : PA, ITDA, Keonjhar ଙ୍କ ପତ୍ର ସଂଖ୍ୟା ୧୫୦୫/ITDA/K, ତାରିଖ ୧୬-୦୮-୨୦୨୧
ମହାଶୟ/ମହାଶୟା,

ମାନନୀୟ ସମ୍ପର୍କିତ ଆଦିବାସୀ ଉନ୍ନୟନ ସଂସ୍ଥା, କେନ୍ଦୁଝର ଙ୍କ ଅନୁରୋଧ ହେତୁ ଜଣାଇବାକୁ ଚାହେଁଲି M/s OMC ଗୁଆଲି ଏବଂ ଲାଇଟାପତା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲହରପଡା, ପାଣ୍ଡୁନିପୋଖି, ଗୁରୁଡି, ଡୋପାଟିହି, ସିଧମନ ରିଜର୍ଭ ପରେଇଠାରେ ମାଇନିଙ୍ଗ କାର୍ଯ୍ୟ ଆରମ୍ଭ ନିମନ୍ତେ ନିମ୍ନ ବର୍ଣ୍ଣିତ ମତ୍ରେ ମୋଟ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଆବେଦନ କରି ଅଛନ୍ତି । ଜନଶାନ୍ତି ଓ ଅନ୍ୟାନ୍ୟ ପାରିଶ୍ରାମିକ ବନଭାଗୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱାଭୂତି) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ସଂପୃକ୍ତ ଗ୍ରାମପଞ୍ଚା ପ୍ରସ୍ତାବିତ ଜଙ୍ଗଲ ଜମିର ବିସମ ପରିବର୍ତ୍ତନ ଉପରେ ସେମାନଙ୍କ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ଓ ତାହା ସାଧ୍ୟ ହେବା ଅପରାନ୍ତ ଅବଶିଷ୍ଟ ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ପାଇଁ ନିଜ ନିଆପାଇପାରିବ । ଏହୁ ୧୫ ଦିନିଆ ପ୍ରାକ୍ ଗୋଟିଏ ସେଇ ପୁରୁକ୍ତ ଗ୍ରାମପଞ୍ଚା ବୈଠକ ତରଫରୁ ନିର୍ଦ୍ଦେଶାବଳୀର ପରିପାଳନ ପୂର୍ବକ ଗ୍ରାମପଞ୍ଚା ତଥା ପଞ୍ଚାୟତ ମାନଙ୍କର ସ୍ୱାସନ ସହ ପରାପତନ ଅନୁମୋଦନ ହେତୁ ଗ୍ରାମପଞ୍ଚା କାର୍ଯ୍ୟାଳୟରେ ଦୃଶ୍ୟ ପ୍ରାଣୀ (Video CD) ପ୍ରଦର୍ଶନ କରିବେ ଓ ଅତି କାର୍ଯ୍ୟାଳୟ ତଥା ଗୋଟି ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା ଏବଂ ଓଡ଼ିଶା ମିନିଙ୍ଗ କର୍ପୋରେସନ୍ ଙ୍କ ସହାୟତା ଯୋଗୁଁ କରିବେ ।

ଅନୁପାଳନୀୟ ନିର୍ଦ୍ଦେଶାବଳୀ

- ୧) ବନ୍ଧୁକ ଉପକରଣ ସଂରକ୍ଷଣ କରି ଗ୍ରାମପଞ୍ଚା ତାରିଖ ଓ ସ୍ଥାନ, ସମୟ ବିଶାଳଣ କରିବେ ଓ ଗ୍ରାମପଞ୍ଚା ଅନୁଷ୍ଠିତ ହେବାର ପିଅକ୍ଷେପ ପୂର୍ବରୁ ଚହୁପିଲ, ଆମ ଓ ପରେଇ ଗୋଟି କାର୍ଯ୍ୟାଳୟକୁ ପୁଚନା ଦେବେ ।
- ୨) ଗ୍ରାମପଞ୍ଚା ଗୋଟିଏ ପିଅକ୍ଷେପ ପୂର୍ବରୁ ସଂପୃକ୍ତ ଗ୍ରାମ ଓ କର୍ମଚାରୀଙ୍କୁ ସେଇଣା କରିବେ ।
- ୩) ସଂପୃକ୍ତ ପରେଇ ଗ୍ରାମପଞ୍ଚାର ସ୍ଥାନ, ତାରିଖ ଓ ସମୟ ସାଜଗାଢ଼ି ସଜ୍ଜାଦ୍ୱାରା ବହୁଳ ଭାବେ ପ୍ରକାଶ କରିବେ ।
- ୪) ଗ୍ରାମ ପଞ୍ଚାଳ ନିୟମ ଓ ଉଦ୍ଦେଶ୍ୟ ବିଶେଷ ଭାବେ ଆଲୋଚନା କରିବେ ଓ ଏହାର ଭିତ୍ତି ଓ ଲେକ୍ଚର୍ ପ୍ରସ୍ତୁତ କରିବେ ।
- ୫) ପଞ୍ଚାୟତ ନିର୍ବାହୀ ଅଧିକାରୀ ଗ୍ରାମପଞ୍ଚା ନିର୍ଦ୍ଦେଶାବଳୀରୁ ସ୍ପଷ୍ଟ ସମାବେଶ ନିର୍ଦ୍ଦେଶ କରିବେ ଓ ତାଙ୍କଦ୍ୱାରା ସଜ୍ଜାଦ୍ୱାରା ଏହା ଯୋଗ୍ୟ କରିବେ । ଉପସ୍ଥିତ ଗ୍ରାମପଞ୍ଚା ଓ ବିଭାଗୀୟ ଅଧିକାରୀ ମାନଙ୍କର ସ୍ୱାସନ ନିର୍ଦ୍ଦେଶ ପୂର୍ବକରେ ଉତ୍ତର କରିବେ ।

**English translation of Gramsabha Proceedings in respect of Village
Laidapada**

Proposal No. 1: Regarding diversion of forest land to non-forest land for the purpose of Iron Ore Mining at Laidapada.

Detailed discussion was held at Laidapada under Laidapada Gram Panchayat with the villagers of Topadihi including the Schedule Tribes and other traditional forest dwellers, for diversion of forest land of 3372 hectare of Laidapada and 30,657 hectare of Siddhamatha Reserve Forest for non-forestry use by Odisha Mining Corporation Ltd. (OMCL) for Iron Ore mining and the villagers have unanimously given approval for such diversion.

The villagers also put forth the following demands for fulfillment of the same by the Corporation:

1. To provide employment to the un-employed youth on the basis of their qualification.
2. To provide school buses to the school going students for their conveyance.
3. To provide Ambulance Service to the patients.
4. To make cement concrete road nearer to shiva Temple and street road.
5. To construct bathing ghat and a changing room near the pond.
6. To construct boundary wall and gate for Shiva Temple.
7. To provide sewing machine each to Maa Mangla SHG, Maa Biraja SHG, Maa Kichakeswari SHG and Maa Sarala SHG.
8. To make a meeting room for monthly meeting of SHG groups.
9. To install bore well for providing safe drinking water.
10. To provide carpet, chair, and table for SHG groups.

The meeting ended with thanks to the President

Sd/-
(Radha Kant Behera)
Panchayat Extension Officer
Laidapada G.P.

Sd/-
(Sulata Pradhan)
Welfare Extension Officer
Joda

Sd/-
(Chaturbhuj Nalk)
Sarpanch
Laidapada G.P.

Sd/-
(Akshaya Kumar Mohanty)
Forester
Guali

Sd/-
(Kanhuj Mahi)
Panchayat Extension Officer
Joda

Sd/-
(Prakash Pradhan)
R.I.
BhadraSahi

**LAND SCHEDULE OVER 932,100 HA. OF FOREST AREA PROPOSED FOR
DIVERSION PERTAINING TO GUALI ML AREA (358,258 HA.) OF M/S O.M.C. LTD.**

Name of the Village	Plot No.	Khata No.	Kissan (After 25.10.1980)	Kissan (Before 25.10.1980)	Net Area (in Acres)	DGPS Area (in Ha)	Remarks	
Sidhamatha P.C.					75.755	80.657Ha.		
Gual	1	175	Jung'e	Jungle	20.500	7.812	Revenue Forest	
	1/503	175	Jung'e	Jungle	10.050	4.151		
	1/514	175	Jung'e	Jungle	26.000	9.184		
	1/516	175	Jung'e	Jungle	10.084	4.081		
	1/515	175	Jung'e	Jungle	26.200	11.147		
	1/520	175	Jung'e	Jungle	73.500	10.921		
	1/522	175	Jung'e	Jungle	7.562	3.060		
	Sub-Total						50.356	
	1/515	175	Gochar	Jungle	17.317	7.008	Sabik Forest	
Total					141.218Ac	57.364		
Beharapada	1	67	patita	Jungle	0.550	0.263	Sabik Forest	
	118	65	Adi	Jungle	0.180	0.007		
	119	67	patita	Jungle	2.730	1.172		
	120	67	Taila-I	Jungle	0.118	0.048		
	127	65	Gochara	Jungle	0.560	0.254		
	2	67	Patita	Jungle	0.180	0.054		
	223	65	Sarba Sardharan	Jungle	1.330	0.704		
	224	65	Sarba Sardharan	Jungle	0.536	0.217		
	3/386	67	Taila-I	Jungle	0.100	0.043		
	4/387	67	Taila-I	Jungle	0.060	0.049		
	389	175	Taila-I	Jungle	0.130	0.053		
	126/396	67	Taila-I	Jungle	0.086	0.035		
	154/401	65	Gochara	Jungle	0.190	0.073		
	217/487	1	Mayajoni	Jungle	0.326	0.132		
	139/473	65	Gochara	Jungle	0.520	0.268		
Sub-Total					7.596 Ac	3.377		
Pindulpasi	104	71	Jungle	Patita	14.740	9.763	Revenue Forest	
	3	71	Jungle		26.386	10.678		
	3/300	71	Jungle		48.336	19.562		
	3/301	71	Jungle		7.799	3.156		
	Sub-Total					107.261	43.159	
	105	73	Taila-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as Forest by DFD, Keonjhar	
	108	73	Taila-I	Unsurveyed	0.640	0.249		
	104/298	71	Basli Yogya	Unsurveyed	3.720	1.657		
	104/403	71	Unnate Jajana yogya	Unsurveyed	3.460	0.999		
	104/404	71	Unnate Jajana yogya	Unsurveyed	5.000	2.115		
	104/405	71	Unnate Jajana yogya	Unsurveyed	5.000	2.045		
	104/406	71	Unnate Jajana yogya	Unsurveyed	4.827	1.953		
	105	73	Taila-I	Unsurveyed	0.248	0.100		
	Sub-Total					22.695	9.118	
	26	25	Taila-II	Jungle	0.191	0.077	Sabik Forest	
	27	25	Taila-II	Jungle	0.079	0.032		
	30	62	Sarada-III	Jungle	0.016	0.007		
	3/308	25	Taila-I	Jungle	1.200	0.490		
31	62	Sarada-III	Jungle	0.196	0.079			
33	62	Taila-I	Jungle	0.298	0.121			
Sub-Total								

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAN
BARBIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks	
Pandulipasi	34	62	Biali	Jungle	0.101	0.041	Sabik Forest	
	3/349	62	Taila-I	Jungle	0.271	0.110		
	3/350	23	Taila-I	Jungle	0.100	0.039		
	3/351	6	Taila-I	Jungle	0.370	0.138		
	3/352	42	Taila-I	Jungle	0.700	0.266		
	3/353	22	Taila-I	Jungle	0.520	0.222		
	3/354	25	Taila-I	Jungle	0.550	0.214		
	3/355	18	Taila-I	Jungle	0.550	0.204		
	3/356	19	Taila-I	Jungle	0.500	0.216		
	3/358	2	Taila-I	Jungle	0.500	0.194		
	3/359	38	Taila-I	Jungle	0.500	0.214		
	3/360	52	Taila-I	Jungle	0.600	0.237		
	3/361	68/34	Taila-I	Jungle	0.600	0.255		
	3/362	37	Taila-I	Jungle	0.680	0.279		
	3/363	27	Taila-I	Jungle	1.200	0.473		
	104/364	23	Taila-I	Jungle	2.360	0.954		
	104/365	36	Taila-I	Jungle	1.100	0.453		
	104/366	17	Taila-I	Jungle	0.500	0.228		
	104/367	6	Taila-I	Jungle	0.200	0.091		
	55	71	Rasta	Jungle	0.356	0.144		
Sub-Total					14.238 Ac	5.778		
Total					107.261	58.054		
Rugudi Dihi	137	74	Sarada-III	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.060	0.024		
	139	74	Taila-I	Jungle	0.518	0.250		
	140	74	Sarada-I	Jungle	0.006	0.002		
	Sub Total					0.802	0.324	
	1/452	72	Gramya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.531		
1/610	72	Gramya Jungle	Jungle	1.559	0.631			
Sub Total					12.056	4.666		
Total					17.858 Ac	5.2034ha		
Tapadidi	1	126	patita	Jungle	2.740	1.135	Sabik Forest	
	10	126	Taila-II	Jungle	0.870	0.361		
	100	126	Taila-I	Jungle	0.490	0.197		
Tapadidi	101	126	Taila-I	Jungle	0.380	0.151	Sabik Forest	
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.060	0.023		
	107	126	Taila-I	Jungle	0.410	0.150		
	108	124	Rasta	Jungle	0.380	0.157		
	11	126	patita	Jungle	0.190	0.079		
	111	127	Nala	Jungle	3.810	1.713		
	112	43	Taila-I	Jungle	0.580	0.277		
	115	124	Gochara	Jungle	12.218	4.945		
	118	124	Rasta	Jungle	0.440	0.190		
	12	126	Taila-II	Jungle	1.700	0.705		
	122	127	Nala	Jungle	0.500	0.220		
	123	119/17	Taila-I	Jungle	0.637	0.258		


 Revenue Inspector
 BHADRASAHU


 REVENUE INSPECTOR
 BHADRASAHU


 TAPASILUHAN
 BARBIL

Name of the village	Plot No.	Khata No.	Khasra (After 25.10.1980)	Kasam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks
	124	124	Rasta	Jungle	0.380	0.161	
	125	126	Patila	Jungle	0.210	0.109	
	126	124	Rasta	Jungle	0.030	0.040	
	127	126	patita	Jungle	2.540	1.060	
	128	124	Gharbari	Jungle	0.040	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	126	Tala-II	Jungle	1.180	0.487	
	130	124	Gharbari	Jungle	0.040	0.015	
	131	124	Rasta	Jungle	0.088	0.036	
	132	124	patita	Jungle	0.091	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Tala-II	Jungle	0.231	0.094	
	135	70	Tala-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.048	0.019	
	138	70	Tala-	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mahara	Jungle	1.000	0.406	
	16	126	patita	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.619	
	18	119/2	karakhana	Jungle	0.740	0.328	
	2	126	patita	Jungle	1.110	0.583	
	24	126	patita	Jungle	0.710	0.305	
	26	126	Tala-II	Jungle	1.130	0.444	
	29	126	Tala-II	Jungle	0.770	0.305	
	3	126	patita	Jungle	1.740	0.715	
	30	119/2	karakhana	Jungle	1.840	0.729	
	8/307	126	Tala-II	Jungle	0.540	0.205	
	11/308	119/13	karakhana	Jungle	0.54	0.233	
	31	119/2	karakhana	Jungle	1.830	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.363	
	18/312	126	Tala-I	Jungle	0.690	0.279	
	11/313	126	Biali	Jungle	1.200	0.485	
	12/314	119/2	karakhana	Jungle	0.820	0.366	
	14/315	126	Biali	Jungle	1.230	0.498	
	17/316	119/13	karakhana	Jungle	1.700	0.687	
	53/317	126	Sarada-I	Jungle	0.320	0.131	
	58/318	126	patita	Jungle	0.260	0.111	
	32	126	Tala-I	Jungle	1.000	0.403	
	58/320	126	Tala II	Jungle	0.480	0.184	
	58/321	126	Tala-II	Jungle	0.700	0.272	
	58/322	126	Tala-II	Jungle	0.300	0.129	
	58/323	126	Tala-I	Jungle	0.850	0.370	
	58/324	126	patita	Jungle	1.000	0.391	
	58/325	78	Tala-I	Jungle	1.000	0.401	
	58/326	126	Tala-II	Jungle	0.660	0.273	
	59/327	78	Tala-II	Jungle	0.950	0.375	
	73/328	103	Tala-I	Jungle	0.490	0.202	
	14/323	72	Tala-II	Jungle	0.040	0.008	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Khasam (After 23-10-1950)	Khasam (Before 23-10-1950)	Area [In Acres]	DGPS Area (In Ha)	Remarks
Tapodidi	33	126	Tailla-II	Jungle	1.510	0.614	Sobik Forest
	44/330	94	Tailla-II	Jungle	0.040	0.011	
	44/331	22	Patita	Jungle	0.040	0.012	
	44/332	56	patita	Jungle	0.040	0.012	
	44/333	20	patita	Jungle	0.040	0.010	
	44/334	106	Tailla-II	Jungle	0.040	0.012	
	80/335	74	Tailla-II	Jungle	0.040	0.012	
	80/336	59	Tailla-II	Jungle	0.040	0.011	
	80/337	100	Tailla-II	Jungle	0.040	0.011	
	80/338	89	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.050	0.018	
	34	119/2	Karakhana	Jungle	1.470	0.623	
	80/340	109	Tailla-II	Jungle	0.040	0.015	
	80/341	91	Tailla-II	Jungle	0.040	0.012	
	80/342	14	patita	Jungle	0.040	0.014	
	80/343	2	patita	Jungle	0.040	0.015	
	80/344	50	patita	Jungle	0.040	0.014	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	90	Tailla-II	Jungle	0.040	0.014	
	78/347	83	Tailla-II	Jungle	0.040	0.017	
	80/348	126	patita	Jungle	0.140	0.041	
	80/349	53	patita	Jungle	0.040	0.018	
	85	119/2	Karakhana	Jungle	1.180	0.477	
	80/350	36	patita	Jungle	0.040	0.015	
	80/351	8	Patita	Jungle	0.040	0.014	
	80/352	80	patita	Jungle	0.040	0.016	
	80/353	1	patita	Jungle	0.040	0.016	
	80/354	97	Tailla-II	Jungle	0.040	0.014	
	80/355	67	Tailla-II	Jungle	0.040	0.015	
	80/356	81	Tailla-II	Jungle	0.040	0.015	
	78/357	118	Tailla-II	Jungle	0.040	0.017	
	80/359	126	patita	Jungle	0.040	0.016	
	86	119/2	Karakhana	Jungle	2.100	0.826	
	80/360	126	patita	Jungle	0.040	0.016	
	80/361	126	patita	Jungle	0.040	0.014	
	80/362	126	patita	Jungle	0.040	0.017	
	80/363	126	patita	Jungle	0.040	0.015	
	80/364	31	patita	Jungle	0.048	0.015	
	80/365	8	patita	Jungle	0.040	0.016	
	80/366	59	patita	Jungle	0.040	0.017	
	80/367	126	patita	Jungle	0.180	0.051	
	85/368	126	patita	Jungle	0.340	0.018	
	85/369	126	patita	Jungle	0.040	0.016	
	87	126	Tailla I	Jungle	1.880	0.742	
85/370	126	patita	Jungle	0.040	0.017		
85/371	126	patita	Jungle	0.040	0.016		
85/372	126	patita	Jungle	0.040	0.015		
85/373	126	patita	Jungle	0.040	0.016		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAI

TAKASILDAN
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (In Acres)	JP's Area (In Ha)	Remarks
Tapardil	85/374	126	patna	Jungle	0.040	0.015	Sabik Forest
	85/375	126	patna	Jungle	0.040	0.019	
	78/376	126	patna	Jungle	0.040	0.015	
	89/377	126	patna	Jungle	0.040	0.019	
	85/378	126	patna	Jungle	0.040	0.016	
	85/379	126	patna	Jungle	0.040	0.013	
	88	126	Talla-I	Jungle	0.910	0.353	
	85/380	126	patna	Jungle	0.040	0.016	
	85/381	126	patna	Jungle	0.010	0.013	
	85/382	126	patna	Jungle	0.010	0.013	
	85/383	126	patna	Jungle	0.040	0.015	
	85/384	126	patna	Jungle	0.040	0.014	
	85/385	126	patna	Jungle	0.040	0.015	
	89/386	126	patna	Jungle	0.150	0.07	
	89/387	126	patna	Jungle	0.020	0.014	
	81/388	104	Talla-II	Jungle	0.040	0.011	
	81/389	7	patna	Jungle	0.040	0.016	
	89	126	patna	Jungle	1.720	0.718	
	81/390	92	Talla-II	Jungle	0.040	0.014	
	81/391	117	Talla-II	Jungle	0.040	0.016	
	81/392	101	Talla-II	Jungle	0.040	0.015	
	81/393	9	patna	Jungle	0.040	0.016	
	81/394	82	Talla-II	Jungle	0.040	0.016	
	80/395	103	Talla-II	Jungle	0.040	0.016	
	80/396	119	Talla-II	Jungle	0.040	0.016	
	80/397	105	Talla-II	Jungle	0.040	0.016	
	80/398	89	Talla-I	Jungle	0.040	0.014	
	80/399	53	patna	Jungle	0.040	0.014	
	80	126	patna	Jungle	2.840	1.158	
	80	126	patna	Jungle	1.400	0.547	
	80/400	57	patna	Jungle	0.040	0.015	
	81/401	50	patna	Jungle	0.040	0.014	
	81/402	23	patna	Jungle	0.040	0.015	
	81/403	05	patna	Jungle	0.040	0.014	
	81/404	116	Talla-II	Jungle	0.040	0.016	
	81/405	108	Talla-II	Jungle	0.040	0.015	
	81/406	13	patna	Jungle	0.040	0.017	
	81/407	95	Talla-II	Jungle	0.040	0.012	
	81/408	126	patna	Jungle	0.180	0.059	
	81/409	126	patna	Jungle	0.040	0.013	
81	126	patna	Jungle	0.330	0.114		
81/410	41	Gharban	Jungle	0.040	0.016		
81/411	126	patna	Jungle	0.040	0.017		
81/412	126	patna	Jungle	0.040	0.015		
81/413	126	patna	Jungle	0.040	0.018		
81/414	126	patna	Jungle	0.040	0.015		
81/415	126	patna	Jungle	0.040	0.017		
85/416	125	patna	Jungle	0.040	0.017		
85/417	125	patna	Jungle	0.040	0.018		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASANI

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kuzam (After 25.10.1980)	Kuzam (Before 25.10.1980)	Area (In Acres)	OGPS Area (in Ha)	Remarks
Yapedidi	85/418	126	patita	Jungle	0.040	0.016	Sabk Forest
	85/419	126	patita	Jungle	0.040	0.012	
	47	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	patita	Jungle	0.040	0.014	
	81/425	126	patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	7	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	43	125	patita	Jungle	7.020	0.839	
	85/431	125	patita	Jungle	0.040	0.015	
	85/432	125	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.011	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	patita	Jungle	0.040	0.016	
	44	126	patita	Jungle	8.060	3.283	
	82/440	126	patita	Jungle	0.080	0.017	
	82/441	126	patita	Jungle	0.040	0.016	
	82/444	126	patita	Jungle	0.040	0.016	
	82/445	126	patita	Jungle	0.040	0.014	
	82/446	126	patita	Jungle	0.200	0.121	
	82/447	126	patita	Jungle	0.040	0.014	
	82/448	126	patita	Jungle	0.040	0.016	
	82/449	126	patita	Jungle	0.040	0.018	
	45	126	Taila-ii	Jungle	4.010	1.647	
	82/450	126	patita	Jungle	0.040	0.017	
	82/451	126	patita	Jungle	0.040	0.018	
	82/452	126	patita	Jungle	0.040	0.017	
	85/453	126	patita	Jungle	0.040	0.017	
	85/454	126	patita	Jungle	0.040	0.016	
	85/455	126	patita	Jungle	0.040	0.018	
	86/456	126	patita	Jungle	0.040	0.018	
	85/457	126	patita	Jungle	0.040	0.014	
	85/458	126	patita	Jungle	0.040	0.015	
	85/459	126	patita	Jungle	0.040	0.014	
	46	126	Taila-ii	Jungle	1.620	0.639	
	85/460	126	patita	Jungle	0.040	0.014	
	87/461	126	patita	Jungle	0.010	0.013	
	82/462	126	patita	Jungle	0.040	0.012	
	82/463	126	patita	Jungle	0.040	0.014	
	82/464	126	patita	Jungle	0.040	0.013	
82/465	126	patita	Jungle	0.040	0.013		
82/466	126	patita	Jungle	0.040	0.012		
84/467	126	patita	Jungle	0.040	0.015		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TAKASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Nissam (After 25.10.1980)	Khasam (Before 25.10.1980)	Area (In Acres)	INSPS Area (In Ha)	Remarks
Tapadidi	84/468	126	Patita	Jungle	0.042	0.013	Sabik Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	87	126	Patita-i	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.040	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	126	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	52	Patita	Jungle	0.040	0.013	
	83/478	12	Patita	Jungle	0.040	0.016	
	83/479	5	Patita-ii	Jungle	0.040	0.016	
	48	119/13	Karakhana	Jungle	0.200	0.072	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	96	Patita-ii	Jungle	0.040	0.016	
	84/482	46	Patita	Jungle	0.040	0.015	
	84/483	99	Patita-ii	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.040	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	79	Patita-ii	Jungle	0.040	0.017	
	83/487	5	Patita	Jungle	0.040	0.019	
	83/488	32	Patita	Jungle	0.040	0.024	
	83/489	3	Patita	Jungle	0.040	0.019	
	49	61	Biah	Jungle	1.440	0.562	
	83/490	83	Patita-ii	Jungle	0.040	0.023	
	83/491	21	Patita	Jungle	0.040	0.018	
	83/492	98	Patita-i	Jungle	0.040	0.021	
	83/493	43	Patita-ii	Jungle	0.040	0.019	
	84/494	66	Patita	Jungle	0.040	0.021	
	86/497	126	Patita	Jungle	0.200	0.082	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	113/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.360	0.142	
	89/510	126	Patita	Jungle	0.040	0.015	
	86/511	126	Patita	Jungle	0.040	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BILKASAI

TANASILDAR
BARBIL

Name of the village	Plot No.	Kheta No.	Kissan (After 25.10.1980)	Kissan (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	86/513	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	86/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.402	
	86/530	126	Patita	Jungle	0.040	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.180	0.048	
	54	126	Taila-II	Jungle	1.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Taila-II	Jungle	0.420	0.166	
	80/546	126	Taila-II	Jungle	0.470	0.186	
	82/547	126	Patita	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	92/549	76	Taila-I	Jungle	0.750	0.336	
	55	126	Taila-II	Jungle	0.870	0.353	
	108/550	25	Taila-II	Jungle	0.440	0.191	
	109/551	126	Taila-I	Jungle	0.380	0.154	
	112/552	25	Taila-I	Jungle	0.280	0.11	
	115/554	93	Taila-II	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.219	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Nala	Jungle	0.176	0.071	
	123/565	119/17	Taila-I	Jungle	0.090	0.197	
	124/566	124	Rasta	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.467	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	134/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	5.690	2.153	
	134/582	100	Taila	Jungle	0.300	0.106	
	134/583	69	Taila	Jungle	0.120	0.058	
	134/584	94	Taila	Jungle	0.200	0.086	
	134/585	64	Taila-II	Jungle	0.850	0.363	
	134/586	124	Patita	Jungle	0.186	0.075	
	6	126	Patita	Jungle	0.850	0.358	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAN
BARBIL

Name of the village	Plot No.	XHETA No.	Khasra (After 25.10.1950)	Class (Before 25.10.1950)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	60	126	Taila-i	Jungle	4.860	2.039	Sabik Forest
	78/6/8	126	Taila-i	Jungle	0.880	0.399	
	89/619	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	89/620	119/18	Karakhana	Jungle	0.550	0.226	
	90/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-i	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.320	0.215	
	81/624	119/18	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-i	Jungle	0.240	0.102	
	83/626	119/19	Karakhana	Jungle	0.680	0.262	
	114/629	124	Patita	Jungle	0.755	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.090	0.031	
	115/642	124	Patita	Jungle	0.208	0.084	
	66	126	Patita	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.060	0.023	
	7	126	Patita	Jungle	0.150	0.051	
	70	124	Gharabari	Jungle	0.780	0.298	
	71	126	Patita	Jungle	3.140	1.345	
	72	32	Taila-i	Jungle	1.200	0.546	
	73	126	Taila-i	Jungle	1.100	0.476	
	74	126	Taila-i	Jungle	1.250	0.512	
	75	126	Taila-i	Jungle	1.220	0.503	
	76	100	Sarada-I	Jungle	2.840	1.216	
	77	126	Taila-i	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-i	Jungle	1.110	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-II	Jungle	0.040	0.014	
	81	126	Patita	Jungle	1.240	0.49	
	82	126	Patita	Jungle	0.200	0.06	
	84	126	Patita	Jungle	0.220	0.043	
	86	126	Patita	Jungle	0.040	0.014	
	87	126	Taila-II	Jungle	0.860	0.381	
	89	126	Taila-II	Jungle	0.380	0.158	
	9	126	Patita	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-i	Jungle	0.610	0.235	
	93	126	Bali	Jungle	0.330	0.133	
94	126	Sarada-I	Jungle	0.680	0.266		
95	102	Sarada-I	Jungle	0.990	0.416		
96	126	Taila-i	Jungle	0.330	0.133		
97	47	Taila-i	Jungle	0.480	0.196		
98	47	Taila-i	Jungle	0.600	0.237		
99	37	Sarada-I	Jungle	1.010	0.412		
Sub-Total					42.255	23.920	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAH

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 15-12-1980)	Kisam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	112/553	126	Jungle	Jungle	0.410	0.135	Revenue Forest
	114	126	Jungle	Jungle	37.450	15.141	
	17/300	126	Jungle	Jungle	3.094	1.252	
	61/301	124	Gramya Jungle	Jungle	32.791	13.270	
	61/304	126	Jungle	Jungle	53.750	21.781	
	61/305	126	Jungle	Jungle	51.930	13.054	
	61/306	126	Jungle	Jungle	12.500	12.866	
	61/311	126	Jungle	Jungle	8.909	3.606	
	123/628	124	Jungle	Jungle	0.273	0.111	
	61	126	Jungle	Jungle	39.250	15.835	
	115/641	126	Jungle	Jungle	0.044	0.018	
	115/643	126	Jungle	Jungle	0.019	0.008	
	65	126	Jungle	Jungle	0.840	0.333	
	61/650	126	Jungle	Jungle	1.500	0.622	
83	126	Jungle	Jungle	13.820	5.811		
Sub-Total					256.580	103.843	


ABSTRACT OF THE LAND SCHEDULE OVER 300.8913HA. OF FOREST LAND (AS PER HAL & SABIK RECORD)

Name of the village	FOREST LAND IN HECT.				
	R.F.	Revenue Forest	Forest land as on 25.10.1980 (Sabik)	Treated Forest	Total
Gaell	Nil	50.556	7.008	-	57.564
Taharapark	Nil	-	3.372	-	3.372
Pandhillpadi	Nil	45.158	5.778	9.118	58.054
Rugudi Dahi	Nil	4.666	0.324	-	4.990
Tapadidi	Nil	103.843	73.820	-	177.663
Sidhamatha R.F.	30.657	-	-	-	30.657
Total	30.657	202.023	90.302	9.118	332.100


 Revenue Inspector
REVENUE INSPECTOR
 BHADRASAI

Forester


 Range Officer
 Forest Range Officer
 BARBIL


 Tahasildar
 Barbil
TANASILDAR
BARBIL



ଗ୍ରାମସଭା ଖାତା

ନେତୃତ୍ୱ ଓ.ଏମ.ସି. ଲିଃ

ଗ୍ରାମ : ରୁଗୁଡ଼ିହି

ଗ୍ରା.ପ. : ଲକ୍ଷ୍ମୀ ପଦା

ବ୍ଲକ : ଯୋଡ଼ା



Office of the Sarpanch

LAIAPADA GRAM PANCHAYAT, LAIAPADA

Chatrubhuja Naik, Sarpanch Laidapada G.P.

At. : Laidapada, P.O. : Guaji, Dist. : Keonjhar (Odisha) Pin : 758035

Mob. : 9337543484

Ref. No.....୧୫୩୩୩୩୩୩

Date.....୫.୫.....

ପ୍ରାୟତ୍ନ,

ଶୋଷା ଭବନ ଅଧିକାରୀ, ଯୋଡ଼ା

ବିଷୟ - ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଟି ର ଗୁଆଇ ନୌସଖଣି ଖନନ ନିମନ୍ତେ ଆବଶ୍ୟକ ହେଉଥିବା ଭୁଗୁଡ଼ିହି ଗ୍ରାମର ଅଧିକୃତ ଜମା ଜମିକୁ ଅଗଜଙ୍ଗଲ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ନିମନ୍ତେ ପ୍ରାମାଣ୍ୟ ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ଆପଣଙ୍କ କାର୍ଯ୍ୟାଳୟ ପତ୍ର ସଂ. ୨୭୪୩, ତା. ୦୯.୦୯.୨୦୨୧

ମହାଶୟ,

ଉପରୋକ୍ତ ବିଷୟ ପ୍ରତି ଧ୍ୟାନ ଆକର୍ଷଣ ପୂର୍ବକ କାର୍ଯ୍ୟକ୍ରମକୁ ତାହେଁକି ଆପଣଙ୍କ ଆବେଦନ ଅନୁଯାୟୀ ଆମ ଗ୍ରା. ପ ଅଧିକୃତ ଭୁଗୁଡ଼ିହି ଗ୍ରାମର ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଟି ବାଲା ୪.୯୯୦ ହେକ୍ଟର ଏବଂ ସିଏମଠ ରିଜର୍ଭ ପରେଷନ ନାଠ.୨୫୭ ହେକ୍ଟର ଜମିକୁ ଅଗ ଜଙ୍ଗଲ ଜମି ଭାବରେ ବ୍ୟବହାର ନିମନ୍ତେ ଜରଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପରିକ ବନବାସୀଙ୍କ କଲଲ ଅଧିକାର ନିୟମ ୨୦୦୭ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ର ପରିପାଳନ ଉଦ୍ଦେଶ୍ୟରେ ଗତ ତା ୭/୧୧/୨୦୨୧ ରିଖା ପୂର୍ବାହ ୧୧.୦୦ ଘଟିକା ସମୟରେ ଅଜନଖାଡ଼ି ପ୍ରାନ୍ତର ଠାରେ ପୂର୍ବ ବିର୍ଦ୍ଧାରିତ କାର୍ଯ୍ୟସୂଚୀ ଅନୁଯାୟୀ ଏକ ପଲ୍ଲୀପତା ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଏହି ପଲ୍ଲୀପତାରେ ସରକାରୀ ନିୟମାନୁଯାୟୀ ୫୦ ପ୍ରତିଶତରୁ ଉର୍ଦ୍ଧ୍ୱ ସାବାଳକ ଲୋଡ଼ର ଆଂଶୁହତ୍ତ କୁରି ସେନାଳକର ମତାମତ ଦେଇ ଉପରୋକ୍ତ ପ୍ରସ୍ତାବକୁ ଅନୁମୋଦନ କରିଥିଲେ ।

ପଲ୍ଲୀପତା ନିର୍ଦ୍ଧାରଣ ଏବଂକିତା ନକଲ ଆବଶ୍ୟକୀୟ କାର୍ଯ୍ୟକ୍ରମ ସହ ଆପଣଙ୍କ ଗୋଟଭାଅର୍ଥେ ଓ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ଦାଖଲ କରାଗଲା ।

ଆପଣଙ୍କ ବିଷୟ
Sarpanch
Laidapada Gram Panchayat
ଘଣ୍ଟପଡ଼ା ଗ୍ରାମପଞ୍ଚାୟତ, ଗା. ପ.

ସଂଲଗ୍ନ ହୋଇଥିବା ନଥିପତ୍ର

୧. ଗ୍ରାମସଭା ପ୍ରାଧିକୃତ ବିବରଣୀ

୨. ଦୃଶ୍ୟ ଗ୍ରାହ୍ୟ (ଚିତ୍ରିତ ସିଡ଼ି)

୩. ଭିତ୍ତି ଚିତ୍ର

୪. ପ୍ରଦାନ ଚିତ୍ର

୫. ଯାହା ହୋଇଥିବା ଗୋବର ନିଷ୍ପତ୍ତି ନକଲ

୬. ଅଣ ଉତ୍ତର ଭାବେ ବ୍ୟବହାର ହେବାକୁ ଥିବା ପ୍ରତ୍ୟାବିତ କର୍ମର ନକସା

୭. ଗୋଷ୍ଠୀ ଉନମତ ଅଧିକାରୀଙ୍କ ଆଦେଶ ପତ୍ର

୮. ଗ୍ରାମସଭା ଅନୁଷ୍ଠିତ କରିବା ପାଇଁ ଗ୍ରା. ପ. ସ୍ତରୀୟ ଜାରି କରାଯାଇଥିବା ନୋଟିସ

୯. ସମ୍ପର୍କୀତ ପ୍ରମାଣ ପତ୍ର


Sarpanch
Lalda Pada Gram Panchayat
Dist. Keonjhar

ଗ୍ରାମ : ରାଗୁଡ଼ିହି

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = 418 (ପୁରୁଷ = ୧୯୫ ଓ ମହିଳା = ୨୨୩)

ସମୁଦାୟ ବସ୍ତୁଖଟ କରିଥିବା ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୨୫୦

ସେଥିରୁ ରାଗୁଡ଼ିହି ବସ୍ତୁଖଟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୨୨୭

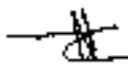
ମହିଳା = ୧୦୯


ପୁରୁଷ = ୧୧୮

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବର ମୁଦ୍ରିକ ଖୋପାଡ଼ିହି, ଲଭନା ପଦା ଇତ୍ୟାଦି ଗ୍ରାମର
ଭୋଟରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୭, ୨୯, ୩୦, ୩୭, ୫୯, ୭୩, ୮୫, ୯୧, ୯୩, ୧୦୮, ୧୨୭, ୧୨୯, ୧୩୯, ୧୪୩, ୧୫୩, ୧୫୭, ୧୫୮, ୧୬୮,
୧୮୪, ୧୮୭, ୧୯୯, ୨୦୭, ୨୪, ୪୭, ୨୭, ୫୭, ୯୭, ୧୦୧, ୧୨୩, ଓ ୧୮୫ ।


Panchayat Executive Officer
LAIDAPADA G.P.



Block Development Officer
1008, Keonjhar

ଗ୍ରାମ : ରୁଗୁଡ଼ିହି

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = 418 (ପୁରୁଷ = ୧୯୫ ଓ ମହିଳା = ୨୨୩)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୨୫୦

ସେଥିରୁ ରୁଗୁଡ଼ିହି ଦସ୍ତଖତ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୨୨୭

ମହିଳା = ୧୦୯

ପୁରୁଷ = ୧୧୮

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବରଗୁଡ଼ିକ କୋଥାଡ଼ିଆ, ଭୂଖଣ୍ଡପଦା ଇତ୍ୟାଦି
ଗ୍ରାମର ଭୋଟରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୭, ୨୯, ୩୦, ୩୭, ୫୯, ୭୩, ୮୫, ୯୧, ୯୩, ୧୦୮, ୧୨୭, ୧୨୯, ୧୩୧, ୧୩୩, ୧୩୭, ୧୪୧, ୧୫୫, ୧୭୮,
୧୮୪, ୧୮୬, ୧୯୧, ୨୦୭, ୨୪, ୪୭, ୨୭, ୫୭, ୯୭, ୧୦୧, ୧୭୩ ଓ ୧୮୫ ।


Saran
Lalda Parla Gram Panchayat
Dist. Keonjhar

ಕ್ರ. ಸಂ. 06/11/2021
ದಿನಾಂಕ: 06/11/2021
ಸ್ಥಳ: ಶಿಕ್ಷಣ ಸಭೆ ಕಛೇರಿ
ಸ್ವೀಕೃತ: ಶಿಕ್ಷಣ ಸಭೆ ಅಧ್ಯಕ್ಷರು

ಶಿಕ್ಷಣ ಸಂ. 06/11/2021ರಲ್ಲಿ ನಡೆದ ಶಿಕ್ಷಣ ಸಭೆಯಲ್ಲಿ ಸಭೆಯ ಅಧ್ಯಕ್ಷರು ಸಭೆಯಲ್ಲಿ
ಪ್ರತಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯ ಅಧ್ಯಕ್ಷರು ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ
ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ ಸಭೆಯಲ್ಲಿ

ಶಿಕ್ಷಣ ಸಭೆ ಅಧ್ಯಕ್ಷರು

ಶಿಕ್ಷಣ ಸಭೆ (06/11/2021)

ಶಿಕ್ಷಣ ಸಭೆ ಅಧ್ಯಕ್ಷರು (PES) ಹಂಪಿ ನಗರ ಪಂಚಾಯತ್

ಶಿಕ್ಷಣ ಸಭೆ ಅಧ್ಯಕ್ಷರು (PES) ಹಂಪಿ ನಗರ ಪಂಚಾಯತ್

Prakash Kumar Pradhan R.L. Bhadrachari

Ganesh Murthy (Member)

ಶಿಕ್ಷಣ ಸಭೆ ಅಧ್ಯಕ್ಷರು

06/11/2021



2

Roll No. 64

विद्यार्थी नाम लिखिए -

VOTER

NAME

Sl. NO.

VOTER ID CARD NO.

	NAME	Sl. NO.	VOTER ID CARD NO.
1	Dhiranoti Nayan Mahesh	32	OR/21/142/126221
2	Jagendra Kumar Patel	345	OR/21/142/128372
3	Keshava Bali Sathy	355	HSR3712957
4	Gudhasthi Sathy	340	HSR3325537
5	Manoj Kumar	403	OR/21/142/127041
6	Dinesh Kumar	✓ 04	RFZ1328149
7	Chandu Char Ganga		
8	Manoj Kumar Sethi	338	OR/21/142/126366
9	Sunil Kumar	399	RFZ0878819
10	Sachin Kumar	28	OR/21/142/126219
11	Amit Kumar Mahapatra	23	HSR3712817
12	Dhanraj Kumar	88	HSR3327127
13	Rajendra Kumar	337	OR/21/142/126365
14	Ram Kumar	32	OR/21/142/126993
15	Ramji Kumar	50	RFZ0187666
16	Hira Kunda	244	OR/21/142/126317
17	Sudhar Kumar	37	RFZ0895136
18	Pravin Kumar Mahapatra	✓ 77	HSR37128101
19	Narsing Naik	84	RFZ0127902
20	Satya Kumar	148	HSR3712775
21	Ratha Kumar	241	RFZ0611798
22	Harsingh Kumar	✓ 287	RFZ0643668
23	Ganesh Kumar	238	RFZ0611772
24	Ganesh Kumar	97	HSR3712809

Executive Officer

NAME

VOTER SL NO.

VOTER ID CARD NO.

25	Pandita Murala	106	RFZ0643809
26	KANDEN	254	RFZ1207452
27	Suresh Kumar	198	RFZ0952042
28	Pandita Sinker	192	RFZ0643400
29	...		
30	Bhaskara Murala		
31	...	125	OR/21/148/126256
32	...	26	RFZ0955104
33	...	35	RFZ1198693
34	...	106	RFZ0643635
35	...	70	OR/21/148/126281
36	...	258	RFZ0958034
37	...		
38	...	178	H5R3713890
39	...	101	H5R3712940
40	...	193	RFZ0643973

(4)

NAME	VOTER SL. NO.	VOTER ID CARD NO.
41. Lakshmi Munda	216	HSR3570519
42. Randu Munda	313	OR/21/142/126345
43. Ramchandra Patra	350	OR/21/142/126375
44. Ramkrishna Patra	295	RFZ1041193
45. Ramkrishna Patra	87	HSR3327137
46. Sumitra Nanda	82	RFZ0543742
47. Phulmani Saha	339	OR/21/142/126370
48. Daya Shanker Apurba	363	RFZ0895185
49. Bilal Patra	357	RFZ0613868
50. Sanibani Munda	364	OR/21/142/126327
51. Laxmi Mahapatra	19	OR/21/142/126217
52. Tapaswini Mahapatra	351	OR/21/142/126318
53. Tapaswini Mahapatra	78	RFZ0613893
54. Tapaswini Mahapatra	330	HSR373013
55. Tapaswini Mahapatra	91	HSR3570462
56. Rohit Patra	92	RFZ1041383
57. Seera Munda	125	OR/21/142/126253

Sl. No.	NAME	VOTER SL. NO.	VOTER ID (AID NO.)
58	Istiaqul Mahomed	75	OR/21/112/126225
59	Pratima Apat		
60	Sanyal	387	RFZ0172373
61	Shah	411	RFZ0643619
62	...	382	RFZ0181682
63	...	397	RFZ0643965
64	Bisaya Setty	385	HSR3712999
65	Ganapati Setty	386	HSR3712973
66	Sukumari Murda	183	OR/21/112/126263
67	Uaps Apat	371	RFZ0611814
68	...	85	RFZ0895144
69	...	377	RFZ0412365
70	Chandrasekar Nair	81	HSR3010488
71	Jama Murda	216	OR/21/112/126356
72	Kabir Murda	200	RFZ1207576
73	Kanak Nair		
74	...	263	RFZ0952374
75	Pradeep Kumar Setty	410	RFZ0190999
76	Mushtaq Murda	11	OR/21/112/126213
77	Ganga Murda	126	OR/21/112/126257

(6)

NAME	VOTER SE. NO.	VOTER ID CARD NO.
68 Sundari Patel	351	HSR2327483
69 Sundari Patel	✓409	RF204940051
70 Sundari Patel	94	HSR3713526
71 Biswesar Mahapatra	388	OR/21/142/126797
72 Ranjana Patel	342	OR/21/142/116370
73 Indira Mahapatra	76	HSR3326409
74 Diresh Ghana	07	RFZ1328739
75 Chirchan Ghana		
76 Biduri Munda	191	HSR3225818
77 Hemish Kumar Mahapatra	26	RFZ1463801
78 Navendra Mahapatra	400	RFZ1184407
79 Shob Kumar Patel	348	RFZ1178086
80 Dajana Lakshmi	136	RFZ120032
81 Prasanna Mahapatra		
82 Bhimsurya Munda	122	RFZ0966173
83 Prasanna Mahapatra		
84 Prasanna Mahapatra	✓26	RFZ1468206
85 Prasanna Mahapatra		HSR3713416
86 Ranji Munda	118	RF-20643577
87 Ranji Munda	246	HSR3570976
88 Ranji Munda	119	RFZ1189506
89 Ranji Munda	211	RF20766817
90 Ranji Munda	✓99	HSR3713120
91 Ranji Munda	118	RFZ0643577
92 Ranji Munda	199	OR/21/142/126290
93 Ranji Munda		HSR3326952

NAME		VOTER SL. NO.	VOTER ID CARD NO.
(104)	Gandhi munda L.H. of	201	RFZ0612127
(105)	Shanti munda L.H. of	202	RFZ1011029
(106)	Sambara munda L.H. of	123	RFZ1329892
(107)	Kishan's munda L.H. of	275	HSR3112874
(108)	Dhularam munda L.H. of	203	RFZ1041136
(109)	D. S. Singh	204	RFZ0953318
(110)	L.H. of Makurzi munda L.H. of	203	RFZ1543334
(111)	Tulasi munda L.H. of	204	OR/21/142/126297
(112)	Panduraj munda L.H. of	192	HSR3112874
(113)	Rega munda L.H. of	194	OR/21/142/126264
(114)	Kaizi munda L.H. of	145	RFZ0805102
(115)	S. K. Singh	173	HSR3712916
(116)	S. K. Singh	200	RFZ 0611897
(117)	Padma munda L.H. of	110	RFZ1328857
(118)	Santa munda L.H. of	210	HSR3306345
(119)	G. S. Singh	210	RFZ0611893
(120)	KANDE	233	RFZ 1041276
(121)	Dadma Basti	204	RFZ1442382
(122)			

NAME	VOTER SL. NO.	VOTER ID CARD NO.
(120) <i>[Handwritten Name]</i> L.P. out	226	RFZ0952983
(121) <i>[Handwritten Name]</i>	242	RFZ0818884
(122) <i>[Handwritten Name]</i>	251	RFZ0643957
(123) <i>[Handwritten Name]</i>	124	RFZ1830323
(124) <i>[Handwritten Name]</i>		
(125) <i>[Handwritten Name]</i>		
(126) <i>[Handwritten Name]</i>	255	OR/21/142/12632
(127) <i>[Handwritten Name]</i>		
(128) <i>[Handwritten Name]</i>	150	RFZ0611785
(129) <i>[Handwritten Name]</i>		
(130) <i>[Handwritten Name]</i>		
(131) <i>[Handwritten Name]</i>		
(132) <i>[Handwritten Name]</i>	218	RFZ0768251
(133) <i>[Handwritten Name]</i>		
(134) <i>[Handwritten Name]</i>	128	RFZ0643579
(135) <i>[Handwritten Name]</i>	108	RFZ0843638
(136) <i>[Handwritten Name]</i>	104	MSR2570504
(137) <i>[Handwritten Name]</i>		
(138) <i>[Handwritten Name]</i>	207	RFZ041312
(139) <i>[Handwritten Name]</i>	231	RFZ0612077
(140) <i>[Handwritten Name]</i>	112	OR/21/142/126351
(141) <i>[Handwritten Name]</i>		
(142) <i>[Handwritten Name]</i>	117	OR/21/142/126270

NAME	VOTER SL. NO.	VOTER ID CARD NO.
(143) AAJESH Madar Manda	114	HSR3712783
(144) Bala Manda	212	RFZ1091342
	235	RFZ1301825
(145) Sandu Manda L.H.P.	245	RFZ0611988
(146) Santana Manda L.H.P.	248	RFZ0875970
(148) Raimani Manda	103	RFZ0878445
(149) Egot Manda L.H.P.	130	RFZ0643499
(150) Jandakamanda	142	RFZ0643684
(151) - 15/10/16		
(152) Parana Manda	104	RFZ0121878
(153) Prasadi Manda	132	RFZ0878801
	149	RFZ0643690
(154) Parbati Manda L.H.P.	153	RFZ0878892
(155) Saji Manda		
(156) Sama Manda		
(157) Lada Manda	102	HSR3713146
	134	RFZ0878928
(158) Zambha Manda L.H.P.	98	HSR3712866
(159) Zambha Manda	167	OR/21/142/135210
(160) Breduni Mahalezi	170	RFZ0611921
(161) Sama Manda L.H.P.	131	HSR3712858
(162) Azai Manda	133	RFZ0612036
(163) Subas APAT	0	RFZ0493765

	NAME	VOTER SL. NO.	VOTER ID CARD NO.
(164)	Lava Manda	115	RFZ0643379
(165)	Lava Manda	116	RFZ1178201
(166)		160	RFZ0612002
(167)		159	RFZ0611446
(168)	Birga Manda	229	RFZ0643981
(169)	Sir Mafema	230	RFZ0643736
(170)		127	HR3326220
(171)	Budani Manda	137	OR/21/142/136251
(172)		129	HR3712924
(173)	SOSHI MANDA	135	RFZ1181423
(174)	Mazur Manda	60	RFZ0618319
(175)	Chatan Manda	252	RFZ0611896
(176)	Lasma Manda	253	RFZ0643544
(177)	Jabani Manda	141	RFZ0123060
(178)	Pandu Manda		
(179)	Sobani Manda	247	RFZ0611913
(180)	Kateman Manda	203	OR/21/142/126293

NAME	VOTER SL. NO.	VOTER ID CARD NO.
(16) LIT. of Basuki Menda	236	RF1207877
(162) LIT. of Sandi Mung	495	RF20952623
(183) LIT. of Manda	308	RF21323459
(184) Bisun Menda		
(185) LIT. of Saba Menda	148	HR2312735
(189) Basuki Menda		
(187) Datar Menda	496	RF21207445
(188) LIT. of Rajah Menda	100	HR2312932
(189) Gata Menda	187	RF21125669
(190) LIT. of Menda	417	RF21357015
(191) Basuki Menda		
(192) LIT. of Birat Menda	146	RF20952042
(190) LIT. of Jungi Menda	104	RF20621905
(191) Mithun Basuk	12	HR2570470
(193) LIT. of Lukri Menda	24A	RF2104128
(196) LIT. of Pinda	22	RF20612085
(197) LIT. of Nanda Menda	79	RF21140126238
(198) Sasmita Basuk	16	RF20643402
(199) LIT. of Tuna Menda	189	RF21208115

590	LIT of Shampa Munda	308	RFZ1207409
591	Biswan Mando	120	RFZ1184699
209	ଶ୍ରୀମତୀ ମାମି	175	RFZ0952408
502	LIT of Maina Munda	239	RFZ0878850
804	ଶ୍ରୀମତୀ ମାମି	57	ORJ1/142/191203
805	Rasmita Basik	42	RFZ0127845
806	ଶ୍ରୀମତୀ ମାମି		
807	Damayanti Mahakur	74	RFZ0613676
808	LIT of Pradyot Mank	326	ORJ1/110/196261
809	Pradima Apat	300	HRZ0719385
810	ଶ୍ରୀମତୀ ମାମି	168	HRZ0713104
811	ଶ୍ରୀମତୀ ମାମି	81	HRZ0273996
812	LIT of Sukumar Mando	262	RFZ0952368
813	ଶ୍ରୀମତୀ ମାମି	01	RFZ0403965
814	ଶ୍ରୀମତୀ ମାମି	80	HRZ0712841
	Bharati Mando	282	RFZ0952358
815	ଶ୍ରୀମତୀ ମାମି	352	RFZ0640718
816	LIT of Phulmani Munda	294	RFZ0952367
817	Nirul Kumar Basik	176	RFZ1011151
818	Ghosa Shyam Mando	15	HRZ0713328
819	LIT of Damodar Munda	158	RFZ1207711
820	Pitay Mank	223	RFZ1184881
821	ଶ୍ରୀମତୀ ମାମି	134	ORJ1/142/197069
822	LIT of Shanti Basik	404	ORJ1/112/197012
823	ଶ୍ରୀମତୀ ମାମି	29	RFZ0731948
824	LIT of Chitane Sir	208	RFZ1041375
825	Geeta Pati	39	RFZ089577
826	ଶ୍ରୀମତୀ ମାମି	40	RFZ1184151
827	LIT of Umamoi Mank	353	RFZ1184253

228	Arun Nair		
229	LTI of Mill Bani	270	RF21207018
230	Thana Bani	54	RF20187674
231	LTI of Budhwan Apat	398	RF21128719
232	...	211	HR3718534
233	LTI of Sandhani Munda	51	RF20952531
234	LTI of - Binod Munda	254	RF20888947
235	Susant Kumar Apat	220	RF201206960
236	LTI of Lachman Mahakud	346	RF2060822
237	...	210	HR3570553
238	LTI of ...	111	RF21330091
239	LTI of ... Mahakud	249	OR/21/142/126319
240	...	71	OR/21/142/126323
241	Manoj Apat	359	RF20826891
242	Suresh Patra	360	RF21526937
243	LTI of Dibumji Kunda	256	RF20643287
244	...	314	RF21041078
245	LTI of ...		
246	Ganesh Patra	180	RF21172177
247	LTI of charke Munda	257	RF2092104
248	...	267	RF21041359
249	Gomdhanu Alu	179	RF20966192
250	LTI of ... Munda	376	HR3413344
		291	OR/21/142/126327

1.1 ବାଣିଜ୍ୟ :- ବୃତ୍ତିଗତ ବାଣିଜ୍ୟର ମଧ୍ୟ ଭାଗ ଭାବେ ଚିନ୍ତା କରାଯାଇ
 ଚଳିତ ବର୍ଷରେ ଉପାଦାନ ଗ୍ରହଣ
 ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇ ଉପାଦାନ ଗ୍ରହଣ- 2743 ଓ 9124
 ଓ 11104 ଉପାଦାନ ଗ୍ରହଣ- 1505/11104 ଓ-61921
 ଗ୍ରହଣ କରାଯାଇ ଏମ୍.ସି.ଏ. କର୍ପୋରେସନ ଲିମିଟେଡ (emc.ltd.) ର
 ଦ୍ୱାରା ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ବୃତ୍ତିଗତ ବାଣିଜ୍ୟର ମଧ୍ୟ ଭାଗ
 4.990 ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ
 ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ
 ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ
 ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ
 ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ ଉପାଦାନ ଗ୍ରହଣ କରାଯାଇ

ಅಧೀನದಲ್ಲಿ ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಸ್ಥಳೀಯ ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ 4.870
ಹೆಕ್ಟೇರ್ ಭೂಮಿ ಇದೆ. ಈ ಭೂಮಿಯಲ್ಲಿ ಈಗ ಅನೇಕ ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
ಇವು ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇವೆ. ಆದರೆ ಈ ಭೂಮಿಯಲ್ಲಿ ಇನ್ನೂ
ಅನೇಕ ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಈ ಭೂಮಿಯಲ್ಲಿ ಇನ್ನೂ
ಅನೇಕ ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಈ ಭೂಮಿಯಲ್ಲಿ ಇನ್ನೂ

1) ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.

- ಅ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಆ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಇ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಈ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಉ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಊ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ಋ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೠ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೡ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೣ) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೤) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೥) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
- ೦) ಸರ್ಕಾರದ ಅಧೀನದಲ್ಲಿ ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.

ಇದರಲ್ಲಿ ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
ಇದರಲ್ಲಿ ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.
ಇದರಲ್ಲಿ ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ. ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಇದ್ದಾರೆ.

Panchayat Executive Officer
LAIDAPADA G.P.

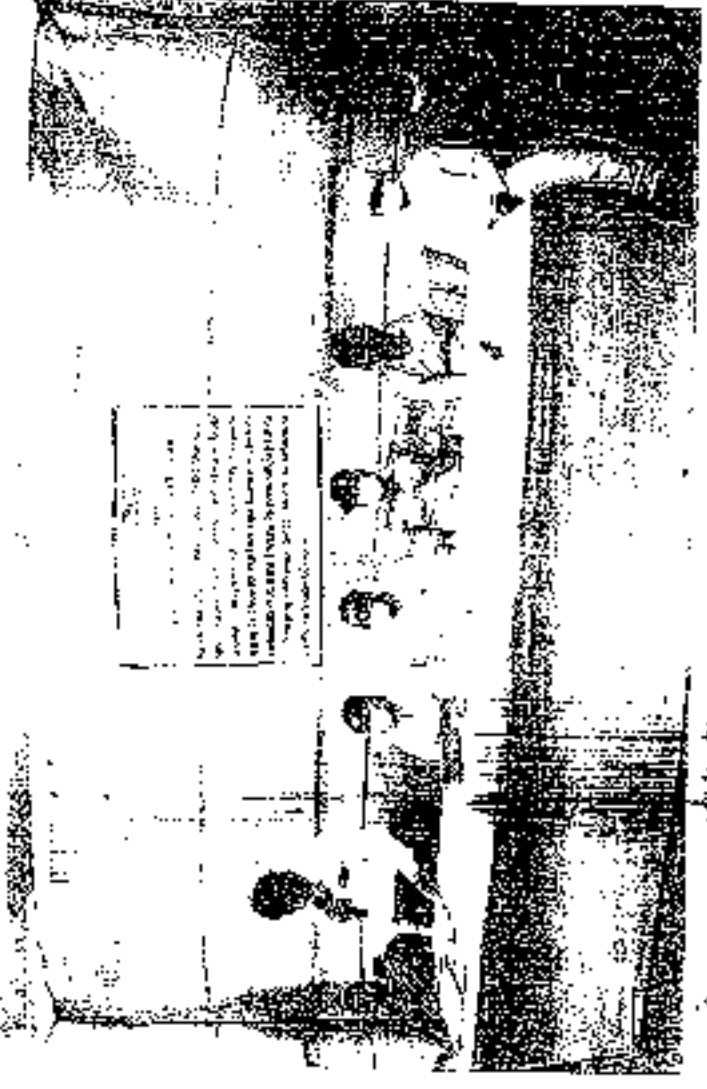
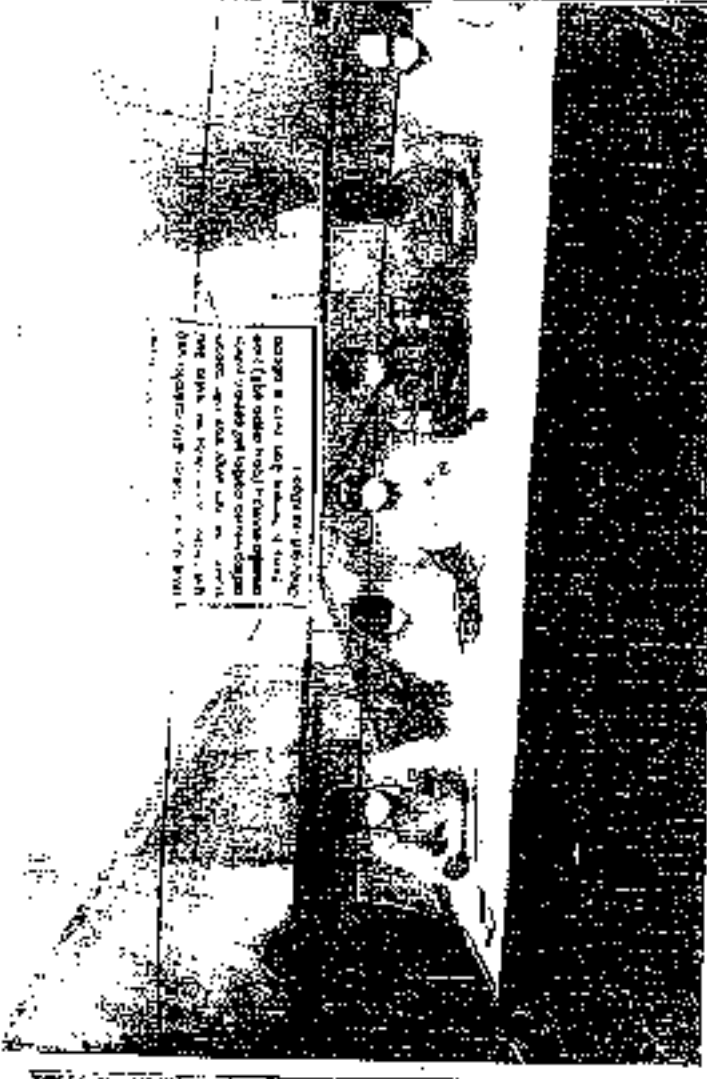
Welfare Extension Officer
Dist. Koppal

REVENUE INSPECTOR
BHADRASAHU

Panchayat Executive Officer
LAIDAPADA G.P.

Forest Section Officer

Sarpanch
LAIDAPADA G.P.



151	151	151	151
152	152	152	152
153	153	153	153
154	154	154	154
155	155	155	155
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158	158	158	158
159	159	159	159
160	160	160	160
161	161	161	161
162	162	162	162
163	163	163	163
164	164	164	164
165	165	165	165
166	166	166	166
167	167	167	167
168	168	168	168
169	169	169	169
170	170	170	170

Particulars of Assets

101	IN 70041412	107	IN 70041410	90	RF70041411
1. 20000000	10000000	10000000	10000000	10000000	10000000
102	IN 71011007	106	IN 71011009	108	RF71011010
1. 20000000	10000000	10000000	10000000	10000000	10000000
103	IN 71170079	105	IN 71170078	109	RF71170080
1. 20000000	10000000	10000000	10000000	10000000	10000000
104	IN 71200001	104	IN 71200000	110	RF71200002
1. 20000000	10000000	10000000	10000000	10000000	10000000
105	RF 71000001	103	IN 71011008	107	RF71000003
1. 20000000	10000000	10000000	10000000	10000000	10000000
106	IN 71000022	102	IN 71000020	106	RF71000023
1. 20000000	10000000	10000000	10000000	10000000	10000000
107	IN 71000022	101	IN 71000021	105	RF71000024
1. 20000000	10000000	10000000	10000000	10000000	10000000
108	IN 71000025	100	IN 71000024	104	RF71000025
1. 20000000	10000000	10000000	10000000	10000000	10000000
109	IN 71000025	99	IN 71000024	103	RF71000026
1. 20000000	10000000	10000000	10000000	10000000	10000000
110	IN 71000025	98	IN 71000024	102	RF71000027
1. 20000000	10000000	10000000	10000000	10000000	10000000
111	IN 71000025	97	IN 71000024	101	RF71000028
1. 20000000	10000000	10000000	10000000	10000000	10000000

IDENTIFICATION OF SUSPECTS

<p>1. Name of suspect Last name, first name, middle name initials</p>	<p>01271142/126310</p> <p>Photo Available</p>	<p>2. Date of birth Month, day, year Place of birth</p> <p>Photo Available</p>	<p>3. Sex M F</p> <p>Photo Available</p>	<p>4. Race Caucasian Negro Hispanic Other</p> <p>Photo Available</p>	<p>5. Height Feet, inches</p> <p>Photo Available</p>
<p>6. Weight Pounds</p> <p>Photo Available</p>	<p>01271142/126311</p> <p>Photo Available</p>	<p>7. Hair color Black Brown Blond Red Other</p> <p>Photo Available</p>	<p>8. Eye color Blue Brown Green Hazel Other</p> <p>Photo Available</p>	<p>9. Complexion Fair Ruddy Olive Dark Other</p> <p>Photo Available</p>	<p>10. Build Slender Average Heavy</p> <p>Photo Available</p>
<p>11. Distinguishing features Scars, tattoos, piercings, etc.</p> <p>Photo Available</p>	<p>01271142/126312</p> <p>Photo Available</p>	<p>12. Place of birth City, State</p> <p>Photo Available</p>	<p>13. Education High school College Other</p> <p>Photo Available</p>	<p>14. Occupation Student Professional Other</p> <p>Photo Available</p>	<p>15. Social Security Number</p> <p>Photo Available</p>
<p>16. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126313</p> <p>Photo Available</p>	<p>17. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>18. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>19. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>20. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>21. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126314</p> <p>Photo Available</p>	<p>22. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>23. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>24. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>25. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>26. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126315</p> <p>Photo Available</p>	<p>27. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>28. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>29. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>30. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>27. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126316</p> <p>Photo Available</p>	<p>31. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>32. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>33. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>34. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>28. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126317</p> <p>Photo Available</p>	<p>35. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>36. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>37. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>38. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>29. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126318</p> <p>Photo Available</p>	<p>39. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>40. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>41. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>42. Date of last sighting Month, day, year</p> <p>Photo Available</p>
<p>30. Other identifying information MILITARY SERVICE</p> <p>Photo Available</p>	<p>01271142/126319</p> <p>Photo Available</p>	<p>43. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>44. Date of last sighting Month, day, year</p> <p>Photo Available</p>	<p>45. Date of last contact Month, day, year</p> <p>Photo Available</p>	<p>46. Date of last sighting Month, day, year</p> <p>Photo Available</p>

OFFICE OF THE SARPANCH
LAIAPADA GRAM PANCHAYAT, LAIAPADA
 AT: LAIAPADA, P.O.: GUALI-758035, VIA- BARBIL, DIST: KEONJHAR (ODISHA)

No. 31

Date 20/11/21

ଆମଦାନୀ ବୈତରଣ୍ୟ ଚେତନା.

ପଞ୍ଚାୟତରାଜ ଉତ୍ତରାଞ୍ଚଳ ପ୍ରା. ସ୍ୱ. ସଂଗଠନ ଓ ସୁରକ୍ଷା ପ୍ରମାଣ ଆମଦାନୀମାନଙ୍କ
 ଦ୍ୱାରା ନିମ୍ନଲିଖିତ ଭାବେ ନିମ୍ନଲିଖିତମାନଙ୍କୁ କି ଭା. ଆମଦାନୀ ସମ୍ପର୍କରେ ଲାଗୁ କରାଯାଇଛି, ଯାହାକୁ
 ନିମ୍ନଲିଖିତ ୨୨୨୩୩ କି-୦୩/୦୩/୨୦୨୧ ଓ PA, ITDA ଚାର୍ଟରଡ଼ିଫ୍ ଏକ୍ସ-
 ଟ୍ରାକ୍ଟ୍- 1505 / ITDA (୧) କି-16-୦୪-୨୦୨୧ ମଧ୍ୟ ପ୍ରଦାନ କରାଯାଇଛି ମି/୧ ନିର୍ଦ୍ଦେଶ ମଧ୍ୟରେ
 Corporation Limited (୧୧୧୧୧୧) କି ସ୍ୱାଧୀନ ସ୍ୱତନ୍ତ୍ର ପ୍ରମାଣ 4-୨୨୦ ଚାର୍ଟର
 ଓ ଆମଦାନୀ ମାଧ୍ୟମରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 (କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା) କିମ୍ବା - ୨୦୨୧ ଓ କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା ୨୦୨୧ ପ୍ରମାଣ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ

ପଞ୍ଚାୟତରାଜ ଉତ୍ତରାଞ୍ଚଳ ପ୍ରା. ସ୍ୱ. ସଂଗଠନ ଓ ସୁରକ୍ଷା ପ୍ରମାଣ ଆମଦାନୀମାନଙ୍କ
 ଦ୍ୱାରା ନିମ୍ନଲିଖିତ ଭାବେ ନିମ୍ନଲିଖିତମାନଙ୍କୁ କି ଭା. ଆମଦାନୀ ସମ୍ପର୍କରେ ଲାଗୁ କରାଯାଇଛି, ଯାହାକୁ
 ନିମ୍ନଲିଖିତ ୨୨୨୩୩ କି-୦୩/୦୩/୨୦୨୧ ଓ PA, ITDA ଚାର୍ଟରଡ଼ିଫ୍ ଏକ୍ସ-
 ଟ୍ରାକ୍ଟ୍- 1505 / ITDA (୧) କି-16-୦୪-୨୦୨୧ ମଧ୍ୟ ପ୍ରଦାନ କରାଯାଇଛି ମି/୧ ନିର୍ଦ୍ଦେଶ ମଧ୍ୟରେ
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 ଓ ଆମଦାନୀ ମାଧ୍ୟମରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 (କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା) କିମ୍ବା - ୨୦୨୧ ଓ କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା ୨୦୨୧ ପ୍ରମାଣ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ

Sarpanch
 Laida Pada Gram Panchayat
 Dist. Keonjhar

ପ୍ରମାଣିତ କି. 31 କି. 20/11/21

ପଞ୍ଚାୟତରାଜ ଉତ୍ତରାଞ୍ଚଳ ପ୍ରା. ସ୍ୱ. ସଂଗଠନ ଓ ସୁରକ୍ଷା ପ୍ରମାଣ ଆମଦାନୀମାନଙ୍କ
 ଦ୍ୱାରା ନିମ୍ନଲିଖିତ ଭାବେ ନିମ୍ନଲିଖିତମାନଙ୍କୁ କି ଭା. ଆମଦାନୀ ସମ୍ପର୍କରେ ଲାଗୁ କରାଯାଇଛି, ଯାହାକୁ
 ନିମ୍ନଲିଖିତ ୨୨୨୩୩ କି-୦୩/୦୩/୨୦୨୧ ଓ PA, ITDA ଚାର୍ଟରଡ଼ିଫ୍ ଏକ୍ସ-
 ଟ୍ରାକ୍ଟ୍- 1505 / ITDA (୧) କି-16-୦୪-୨୦୨୧ ମଧ୍ୟ ପ୍ରଦାନ କରାଯାଇଛି ମି/୧ ନିର୍ଦ୍ଦେଶ ମଧ୍ୟରେ
 Corporation Limited (୧୧୧୧୧୧) କି ସ୍ୱାଧୀନ ସ୍ୱତନ୍ତ୍ର ପ୍ରମାଣ 4-୨୨୦ ଚାର୍ଟର
 ଓ ଆମଦାନୀ ମାଧ୍ୟମରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 (କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା) କିମ୍ବା - ୨୦୨୧ ଓ କାର୍ଯ୍ୟକାରୀ କ୍ଷମତା ୨୦୨୧ ପ୍ରମାଣ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ
 ପ୍ରମାଣିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ ନିମ୍ନଲିଖିତ ଭାବରେ

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ପଞ୍ଚାୟତ ସମିତି କାର୍ଯ୍ୟାଳୟ, ଯୋଡା

ଯୋଡା-୭୫୮୦୩୪, ଜିଲ୍ଲା-କେନ୍ଦୁଝର

ପତ୍ର ସଂଖ୍ୟା. ୨୫୬୮. ତାରିଖ. ୦୯.୦୯.୨୦୨୧

ପାଠକ

ସରପଞ୍ଚ ଗୁଆଲି ଏବଂ ଲଇତାପଡା ଗ୍ରାମପଞ୍ଚାୟତ
ପା-ଗୁଆଲି

ବିଷୟ : M/s Odisha Mining Corporation Limited (OMC Ltd.) କି ଦ୍ୱାରା ଗୁଆଲି ଏବଂ ଲଇତାପଡା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲହରପଡା, ପାଣ୍ଡୁନିପୋଖି, ରୁଗୁଡି, ଚୋପାଡିପୁ, ପିଧମଠ ରିଜର୍ଭ ପରିସରରେ ଲୈଭ୍ ଚାରି ଖନନ କ୍ଷମତା ୩୩୨-୧୦୦ ହେକ୍ଟର ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପାରିକ ବନବାସୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱାଧୀନ) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ପ୍ରମାଣ ପତ୍ର ପ୍ରାପ୍ତ ନିମନ୍ତେ ଗ୍ରାମପଞ୍ଚା ଅନୁମୋଦନ ପ୍ରଦାନ ।

ପ୍ରସଙ୍ଗ : PA, ITDA, Keonjhar କି ପତ୍ର ସଂଖ୍ୟା ୧୫୦୫/ITDA:KJ, ତାରିଖ ୧୬-୦୮-୨୦୨୧
ମିତ୍ରାଣ୍ଡ/ମହାଶୟ.

ମାନବୀୟ ସମ୍ବଳିତ ଆଦିବାସୀ ଉନ୍ନୟନ ସଂସ୍ଥା, କେନ୍ଦୁଝର କି ଅନୁରୋଧ କ୍ରମେ ତଥାପତ୍ର ଚାହେଁ M/s OMC ଗୁଆଲି ଏବଂ ଲଇତାପଡା ପଞ୍ଚାୟତ ଅଧିନସ୍ଥ ଗୁଆଲି, ଲହରପଡା, ପାଣ୍ଡୁନିପୋଖି, ରୁଗୁଡି, ଚୋପାଡିପୁ, ପିଧମଠ ରିଜର୍ଭ ପରିସରରେ ମାଲିକାନା କାର୍ଯ୍ୟ ଆରମ୍ଭ ନିମନ୍ତେ ନିମ୍ନ ପଦକ୍ଷେପ ନେଇ ନୋଟ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଅନୁମୋଦନ କରି ଅଛନ୍ତି । ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପାରିକ ବନବାସୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱାଧୀନ) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ସଂପୂର୍ଣ୍ଣ ଗ୍ରାମପଞ୍ଚା ପ୍ରସ୍ତାବିତ ଜଙ୍ଗଲ ଜମିର କିମ୍ପା ପରିବର୍ତ୍ତନ ଉପରେ ସେମାନଙ୍କ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ଓ ତାହା ସାମ୍ୟତ ହେବା ଅପରାଧ ଅର୍ଥରେ ଜଙ୍ଗଲ ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ପାଇଁ ନିଷିଦ୍ଧ ନିଆଯାଇପାରିବ । ଏଣୁ ଏଠି ଚିନିଆ ପ୍ରାଣ ଲୋଡିପ ଦେଇ ପୂର୍ଣ୍ଣ ଗ୍ରାମପଞ୍ଚା ବୈପକ ତତ୍ତ୍ୱାଳ ନିମ୍ନବର୍ଣ୍ଣିତ ନିର୍ଦ୍ଦେଶାବଳୀର ସମିପାନ୍ତ ପୂର୍ବକ ଗ୍ରାମବାସୀ ତଥା ସଭାସଦ ମାନଙ୍କର ସ୍ୱାକ୍ଷର ପତ୍ର ସହାପତ୍ରିକ ଅନୁମୋଦନ କ୍ରମେ ଗ୍ରାମପଞ୍ଚା କାର୍ଯ୍ୟାଳୟର ଦ୍ୱାରା ପାଠ୍ୟ (Video CD) ପ୍ରସ୍ତୁତ କରିବେ ଓ ଅତି କାର୍ଯ୍ୟାଳୟ ତଥା ଗୋଟି ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା ଏବଂ ନିର୍ଦ୍ଦେଶକ ଚ ବଚକିଙ୍କ ଗୋଡ଼ାଗାଈ ସେଠାରେ କରିବେ ।

ଅନୁପାଳନୀୟ ନିର୍ଦ୍ଦେଶାବଳୀ

- ୧) ଚୁକ୍ତ କର୍ତ୍ତୃପକ୍ଷଙ୍କ ସମାମର୍ଶ କରି ଗ୍ରାମପଞ୍ଚା ତାରିଖ ଓ ସ୍ଥାନ, ସମୟ ନିର୍ଦ୍ଧାରଣ କରିବେ ଓ ଗ୍ରାମପଞ୍ଚା ଅନୁଷ୍ଠିତ ହେବାର ସାଧ୍ୟତା ପୂର୍ବରୁ ତହସିଲ, ଥାନା ଓ ପରିସର କ୍ଷେତ୍ର କାର୍ଯ୍ୟାଳୟକୁ ଦୂରତା ଦେବେ ।
- ୨) ଗ୍ରାମପଞ୍ଚା ଲୋଡିପ ସାଧ୍ୟତା ପୂର୍ବରୁ ସଂପୂର୍ଣ୍ଣ ଗ୍ରାମ ଓ କର୍ତ୍ତୃପକ୍ଷଙ୍କୁ ସେବାୟତ କରିବେ ।
- ୩) ସଂପୂର୍ଣ୍ଣ ସରକାରୀ ଗ୍ରାମପଞ୍ଚାଙ୍କର ସ୍ଥାନ, ତାରିଖ ଓ ସମୟ ଗଠନାଦି ସବୁ ଦ୍ୱାରା ବହୁଳ ଭାବେ ସହାୟତା କରିବେ ।
- ୪) ଗ୍ରାମ ସଭାର ଲକ୍ଷ୍ୟ ଓ ଉଦ୍ଦେଶ୍ୟ ବିଶେଷ ଭାବେ ଆଲୋଚନା କରିବେ ଓ ଏହାର ଭିତ୍ତିରେ ଲେକର୍ଟି ପ୍ରସ୍ତୁତ କରିବେ ।
- ୫) ପଞ୍ଚାୟତ ନିର୍ବାହୀ ଅଧିକାରୀ ଗ୍ରାମପଞ୍ଚା ନିର୍ଦ୍ଧାରଣ କ୍ଷୁଦ୍ଧ ସାଧାରଣ ଲିପିବଦ୍ଧ କରିବେ ଓ ତାହାଗାଈ ସବୁ ଦ୍ୱାରା ଏହା ଗୋଷ୍ଠୀୟ କରିବେ । ଉନ୍ନୟନ ଗ୍ରାମପଞ୍ଚା ଓ ବିଭାଗୀୟ ଅଧିକାରୀ ମାନଙ୍କର ସ୍ୱାକ୍ଷର ନିର୍ଦ୍ଧାରଣ ପୂର୍ତ୍ତିକାରେ ଗ୍ରହଣ କରିବେ ।

୨) ଗ୍ରାମ ପରିଷଦ ଗାମପତ୍ରା ସ୍ଥଳରେ ଭିତର ଛାୟା, ଡାକୀୟ ଜମା ଓ ଗାମବାସୀ ମାନଙ୍କର ବସିବା ନିମନ୍ତେ ଆସନ ବ୍ୟବସ୍ଥା ସୁନିଶ୍ଚିତ କରିବେ । ଗାମପତ୍ରା ପାଇନ ରେ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପାରିକ ବନବାସୀଙ୍କର (ଉତ୍କଳ ଅଧିକାର ସ୍ୱୀକୃତି) ନିୟମ, ୨୦୦୬ ଓ ମୁଖ୍ୟମନ୍ତ୍ରୀ ନିୟମ ୨୦୧୨ ମୁତାବକ ବ୍ୟକ୍ତିଗତ ଓ ଗୋଷ୍ଠୀଗତ ଅଧିକାର ପ୍ରାବ୍ୟସ୍ଥ ପାଇଁ ସଂପୃକ୍ତ ଗାମରେ କେତେଗୋଟି ବରଖାସ୍ତ୍ର ପ୍ରାପ୍ତ ହୋଇଅଛି ଓ ଚତୁର୍ଥତ୍ରା କେତେଗୋଟି ବରଖାସ୍ତ୍ର ଫାଇସଲା ପୂର୍ବକ ସ୍ୱୀକୃତି ପତ୍ର ବିଆଯାଇଅଛି ତାହାର ଏକ ବିସ୍ତୃତ ବିବରଣୀ ଲିପିବଦ୍ଧ ଭାବରେ ଓ ପର୍ବଶେଷରେ ସରକାରୀ ବିବରଣୀର ପ୍ରାମାଣୀତ ନକଲ ସ୍ଥାନୀୟ ବ୍ଲକ କାର୍ଯ୍ୟାଳୟ ଓ ଚତୁର୍ଥତ୍ରା କାର୍ଯ୍ୟାଳୟକୁ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ପ୍ରେରଣ କରାଯିବ ।

ଏତଦନ୍ତର୍ଗତ ଆପଣଙ୍କୁ ଜଣାଇଦିଆଯାଉଛି ଯି ସଂପୃକ୍ତ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ସଭାପତି/ ସମ୍ପାଦକ ଓ ସଦସ୍ୟ-ସଦସ୍ୟାମାନଙ୍କୁ ଜଣାଇଦେବି ଯେମାନେ ଉକ୍ତ ଗ୍ରାମପତ୍ରା ଅନୁଷ୍ଠିତ ହେବା ପୂର୍ବରୁ ଏକ ସ୍ୱତନ୍ତ୍ର ଭିତର ଭବିଷ୍ୟ ଓ ପ୍ରସ୍ତାବିତ ଜଙ୍ଗଲ ଜମିର ଅଣତଳଲ ଭବେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ନିମନ୍ତେ M/s OMC ଉତ୍ତ୍ୱପତ୍ରା ଦ୍ୱାରା କରାଯାଇଥିବା ଆବେଦନ ଉପରେ ସେମାନଙ୍କର ମତାମତ ଉପସ୍ଥାପନ କରିବେ । ଗାମପତ୍ରା ନିର୍ଦ୍ଧାରିତ ଭେଡିଂଗ୍ ଓ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ଭେଡିଂଗ୍ ସଭାପତିଙ୍କ ପରିସ୍ତାସର ସତ୍ତ୍ୱ ଉପରୋକ୍ତ ମତେ ଅବିଳମ୍ବେ ଦାଖଲ କରିବେ । ପ୍ରଯୋଜିତ ଗାମପତ୍ରାରେ ସଂପୃକ୍ତ ଗ୍ରାମର ଡ୍ରାଟ୍ ସଭ୍ୟ/ସଭ୍ୟା ସଭାପତିତ୍ୱ କରିବେ ଓ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାରୀ କମିଟିର ସଭ୍ୟ/ସଭ୍ୟା ମାନେ ଉପସ୍ଥିତ ହୋଇ ଗାମବାସୀମାନଙ୍କ ସହିତ ସେମାନଙ୍କ ନିରପେକ୍ଷ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ।

କିସମ ପରିବର୍ତ୍ତନ ହେବାକୁ ଥିବା ଜମିର ତପସିଲ

Sl. No.	Name of the Village	Name of the Gram Panchayat	Area in Ha
01	Laharpada	Laidapada	3.372
02	Rugudi		4.990
03	Topadihi		177.663
04	Guali	Omali	57.364
05	Pandulipasi		58.054
06	Sidhamatha R.F.	Sidhamatha R.F.	30.657
	Total Area (Ha)		332.100

ଆପଣଙ୍କ ଦିଗ୍ୱିତ

BDM
ଗାମ୍‌୩

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଗୋଷ୍ଠୀ
Block Development Officer
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୪ / ଡା... ୦୧.୦୧.୨୦୧୧

ଏହାର ଏକକିତା ନକଲ ପି.ଏ.ଆର୍.ଟି.ଏ. ତଥା ଜିଲ୍ଲା ନୋଡାଲ ଅଧିକାରୀ, ଜିଲ୍ଲା ଜଙ୍ଗଲ ଅଧିକାରୀ କମିଟି, କେନ୍ଦୁଝରଙ୍କ ଅବଗତ ନିମନ୍ତେ କରାଗଲା ।

BDM

ଗାମ୍‌୩

Block Development Officer
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୫ / ଡା... ୦୧.୦୧.୨୦୧୧

ଏହାର ଏକକିତା ନକଲ ଚତୁର୍ଥତ୍ରା କାର୍ଯ୍ୟାଳୟ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

BDM

ଗାମ୍‌୩

Block Development Officer
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୫ / ଡା... ୦୧.୦୧.୨୦୧୧

ଏହାର ଏକକିତା ନକଲ Executive Director (F&E), Odisha Mining Corporation Ltd କୁ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

BDM

ଗାମ୍‌୩

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଗୋଷ୍ଠୀ
Block Development Officer
Joda, Keonjhar

**LAND SCHEDULE OVER 332,100 HA. OF FOREST AREA PROPOSED FOR
DIVERSION PERTAINING TO GUALI ML AREA (358,258 HA.) OF M/S O.M.C. LTD.**

Name of the village	Plot No.	Khata No.	Khasam [After 25.10.1980]	Khasam (Before 25.10.1980)	Kor Area (In Acres)	DGPS Area (in Ha)	Remarks	
Sidhamatha R.F.					75.755	30.657Ha.		
Guali	1	175	Jungle	Jungle	20.500	7.812	Revenue Forest	
	1/503	175	Jungle	Jungle	10.050	4.151		
	1/514	175	Jungle	Jungle	26.000	9.184		
	1/516	175	Jungle	Jungle	10.084	4.081		
	1/519	175	Jungle	Jungle	26.200	11.147		
	1/520	175	Jungle	Jungle	23.500	10.921		
	1/522	175	Jungle	Jungle	7.562	3.060		
	Sub-Total						50.356	
	1/515	175	Gochar	Jungle	17.317	7.008	Sabik Forest	
Total					141.213Ac	57.364		
Loharapada	1	67	patita	Jungle	0.550	0.263	Sabik Forest	
	118	65	Adi	Jungle	0.180	0.007		
	119	67	patita	Jungle	2.730	1.172		
	120	67	Talla-I	Jungle	0.118	0.048		
	127	65	Gochara	Jungle	0.560	0.254		
	2	67	Patita	Jungle	0.180	0.054		
	223	65	Sarba Sardharan	Jungle	1.330	0.704		
	224	65	Sarba Sardharan	Jungle	0.536	0.217		
	3/386	67	Talla-I	Jungle	0.100	0.043		
	4/387	67	Talla-I	Jungle	0.063	0.049		
	369	175	Talla-I	Jungle	0.130	0.053		
	126/396	67	Talla-I	Jungle	0.085	0.035		
	154/401	65	Gochara	Jungle	0.180	0.073		
	21/467	1	Nayanjan	Jungle	0.326	0.132		
	139/473	65	Gochara	Jungle	0.520	0.268		
Sub-Total					7.596 Ac	3.372		
Fandul pasi	104	73	Jungle	Patita	24.740	9.763	Revenue Forest	
	3	71	Jungle		26.386	10.678		
	3/300	71	Jungle		48.336	19.561		
	3/301	71	Jungle		7.799	3.150		
	Sub-Total					107.261		43.158
	105	73	Talla-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as Forest by DFL, Keonjhar	
	108	73	Talla-I	Unsurveyed	0.640	0.249		
	104/298	71	Basik Yogya	Unsurveyed	3.720	1.657		
	104/403	71	Unnata Jajana yogya	Unsurveyed	3.460	0.999		
	104/404	71	Unnata Jajana yogya	Unsurveyed	5.000	2.115		
	104/405	71	Unnata Jajana yogya	Unsurveyed	5.000	2.045		
	104/406	71	Unnata Jajana yogya	Unsurveyed	4.827	1.953		
	105	73	Talla-I	Unsurveyed	0.248	0.100		
	Sub-Total					22.895		9.118
	26	25	Talla-II	Jungle	0.191	0.077		Sabik Forest
	27	25	Talla-II	Jungle	0.079	0.032		
	30	62	Sarada-II	Jungle	0.016	0.007		
	3/308	25	Talla-I	Jungle	1.200	0.490		
	31	62	Sarada-II	Jungle	0.196	0.079		
	33	62	Talla-I	Jungle	0.298	0.121		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAR
BARBIL

Name of the village	Plot No.	Khat No.	Khasam (After 25.10.1980)	Khasam (Before 25.10.1980)	Area (In Acres)	DGPS Area (In Ha)	Remarks	
Pandulipasi	34	62	Biali	Jungle	0.101	0.041	Sabik Forest	
	3/349	62	Taila-I	Jungle	0.273	0.110		
	3/350	23	Taila-I	Jungle	0.100	0.039		
	3/351	8	Taila-I	Jungle	0.370	0.138		
	3/352	42	Taila-I	Jungle	0.700	0.268		
	3/353	22	Taila-I	Jungle	0.520	0.222		
	3/354	25	Taila-I	Jungle	0.550	0.214		
	3/355	18	Taila-I	Jungle	0.550	0.204		
	3/356	19	Taila-I	Jungle	0.500	0.216		
	3/358	2	Taila-I	Jungle	0.500	0.194		
	3/359	38	Taila-I	Jungle	0.500	0.214		
	3/360	52	Taila-I	Jungle	0.600	0.237		
	3/361	68/34	Taila-I	Jungle	0.600	0.256		
	3/362	37	Taila-I	Jungle	0.680	0.279		
	3/363	27	Taila-I	Jungle	1.200	0.473		
	104/364	23	Taila-I	Jungle	2.360	0.954		
	104/365	36	Taila-I	Jungle	1.100	0.453		
	104/366	17	Taila-I	Jungle	0.500	0.228		
	104/367	6	Taila-I	Jungle	0.200	0.081		
	55	71	Rasta	Jungle	0.356	0.144		
Sub-Total					14.238 Ac	5.778		
Total					107.261	58.054		
Rugudi Dahi	137	74	Sarada-III	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.060	0.024		
	139	74	Taila-I	Jungle	0.618	0.250		
	140	74	Sarada-I	Jungle	0.006	0.002		
	Sub-Total					0.802	0.324	
	1/452	72	Gramya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.531		
	1/610	72	Gramya Jungle	Jungle	1.559	0.631		
Sub-Total					12.056	4.666		
Total					12.858 Ac	5.2031ha		
Tapadiki	1	126	patita	Jungle	2.740	1.135	Sabik Forest	
	10	126	Taila-II	Jungle	0.870	0.361		
	100	126	Taila-I	Jungle	0.450	0.187		
Tapadipi	101	126	Taila-I	Jungle	0.380	0.151	Sabik Forest	
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.260	0.023		
	107	126	Taila-I	Jungle	0.810	0.190		
	108	124	Rasta	Jungle	0.380	0.157		
	11	126	patita	Jungle	0.190	0.079		
	111	127	Nala	Jungle	3.810	1.713		
	112	43	Taila-I	Jungle	0.580	0.277		
	115	124	Gochera	Jungle	12.218	4.945		
	118	124	Rasta	Jungle	0.440	0.190		
	12	126	Taila-II	Jungle	1.700	0.705		
	122	127	Nala	Jungle	0.500	0.220		
	173	119/27	Taila-I	Jungle	0.637	0.258		

For the year 1980-81
1980-81

REVENUE INSPECTOR
DHADRASAHI

TANASILDHAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
	124	124	Rasta	Jungle	0.380	0.161	
	125	126	Patita	Jungle	0.210	0.109	
	126	124	Rasta	Jungle	0.080	0.040	
	127	126	patita	Jungle	2.540	1.070	
	128	124	Gharbari	Jungle	0.040	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	126	Taila-II	Jungle	1.180	0.487	
	133	124	Gharbari	Jungle	0.040	0.015	
	131	124	Rasta	Jungle	0.083	0.035	
	137	124	patita	Jungle	0.091	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Taila-II	Jungle	0.231	0.094	
	135	70	Taila-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.048	0.019	
	138	70	Taila-I	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mahara	Jungle	1.002	0.406	
	16	126	patita	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.619	
	18	119/2	karakhana	Jungle	0.740	0.323	
	2	126	patita	Jungle	1.410	0.583	
	24	126	patita	Jungle	0.730	0.305	
	28	126	Taila-II	Jungle	1.130	0.444	
	29	126	Taila-II	Jungle	0.770	0.305	
	3	126	patita	Jungle	1.740	0.715	
	30	119/7	karakhana	Jungle	1.840	0.729	
	8/307	126	Taila-II	Jungle	0.540	0.205	
	13/308	119/13	karakhana	Jungle	0.54	0.233	
	31	119/2	karakhana	Jungle	1.830	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.383	
	18/312	126	Taila-I	Jungle	0.690	0.279	
	31/313	126	Badi	Jungle	1.200	0.485	
	32/314	119/2	karakhana	Jungle	0.880	0.366	
	34/315	126	Badi	Jungle	1.730	0.498	
	47/316	119/3	karakhana	Jungle	1.700	0.697	
	53/317	126	Sarada-I	Jungle	0.320	0.131	
	58/318	126	patita	Jungle	0.260	0.111	
	32	126	Taila-I	Jungle	1.000	0.403	
	58/320	126	Taila-II	Jungle	0.480	0.184	
	58/321	126	Taila-II	Jungle	0.700	0.272	
	58/327	126	Taila-II	Jungle	0.300	0.129	
	58/323	126	Taila-I	Jungle	0.650	0.270	
	58/324	126	patita	Jungle	1.000	0.391	
	58/325	78	Taila-I	Jungle	1.000	0.401	
	58/326	126	Taila-II	Jungle	0.660	0.273	
	59/327	78	Taila-I	Jungle	0.950	0.375	
	73/328	100	Taila-I	Jungle	0.490	0.202	
	44/329	72	Taila-II	Jungle	0.040	0.008	

Forest Range Officer
BARRIL

REVENUE INSPECTOR
BHADRASAHU

TAHASILDAR
BARRIL

Name of the village	Plot No.	Khata No.	Khasam	Khasam	Area (In Acres)	DGPS Area (In Ha)	Remarks
			(After 25.10.1980)	(Before 25.10.1980)			
Tapadidi	33	126	Taila-II	Jungle	1.510	0.614	Sabik Forest
	44/330	94	Taila-II	Jungle	0.040	0.011	
	44/331	22	Patita	Jungle	0.040	0.012	
	44/332	56	patita	Jungle	0.040	0.012	
	44/333	20	patita	Jungle	0.040	0.010	
	44/334	106	Taila-II	Jungle	0.040	0.012	
	80/335	74	Taila-II	Jungle	0.040	0.012	
	80/336	59	Taila-II	Jungle	0.040	0.011	
	80/337	100	Taila-II	Jungle	0.040	0.011	
	80/338	89	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.050	0.018	
	34	119/2	karakhana	Jungle	1.470	0.623	
	80/340	109	Taila-II	Jungle	0.040	0.015	
	80/341	91	Taila-II	Jungle	0.040	0.012	
	80/342	34	patita	Jungle	0.040	0.014	
	80/343	2	patita	Jungle	0.040	0.015	
	80/344	50	patita	Jungle	0.040	0.014	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	90	Taila-II	Jungle	0.040	0.014	
	78/347	85	Taila-II	Jungle	0.040	0.017	
	80/348	126	patita	Jungle	0.140	0.041	
	80/349	60	patita	Jungle	0.040	0.018	
	35	119/2	karakhana	Jungle	1.180	0.477	
	80/350	36	patita	Jungle	0.040	0.015	
	80/351	3	patita	Jungle	0.040	0.014	
	80/352	30	patita	Jungle	0.040	0.016	
	80/353	1	patita	Jungle	0.040	0.016	
	80/354	97	Taila-II	Jungle	0.040	0.014	
	80/355	57	Taila-II	Jungle	0.040	0.015	
	80/356	81	Taila-II	Jungle	0.040	0.015	
	78/357	118	Taila-II	Jungle	0.040	0.017	
	80/359	126	patita	Jungle	0.040	0.016	
	36	119/2	karakhana	Jungle	2.150	0.878	
	80/360	126	patita	Jungle	0.040	0.016	
	80/361	126	patita	Jungle	0.040	0.014	
	80/362	126	patita	Jungle	0.040	0.017	
	80/363	126	patita	Jungle	0.040	0.015	
	80/364	81	patita	Jungle	0.040	0.015	
	80/365	4	patita	Jungle	0.040	0.015	
	80/366	59	patita	Jungle	0.040	0.017	
	80/367	125	patita	Jungle	0.180	0.051	
	85/368	125	patita	Jungle	0.040	0.018	
	85/369	125	patita	Jungle	0.040	0.016	
	37	126	Taila-I	Jungle	1.880	0.742	
	85/370	126	patita	Jungle	0.040	0.017	
	85/371	126	patita	Jungle	0.040	0.016	
	85/372	126	patita	Jungle	0.040	0.015	
	85/373	126	patita	Jungle	0.040	0.016	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khatta No.	Kissam (After 25.10.1960)	Kissam (Before 25.10.1960)	Area (In Acres)	OGPS Area (In Ha)	Remarks
Tapadkhal	85/374	126	patita	Jungle	0.040	0.015	Sabile Forest
	85/375	126	patita	Jungle	0.040	0.010	
	78/376	126	patita	Jungle	0.040	0.015	
	89/377	126	patita	Jungle	0.040	0.013	
	85/378	126	patita	Jungle	0.040	0.016	
	85/379	126	patita	Jungle	0.040	0.013	
	38	126	Talla-I	Jungle	0.940	0.353	
	85/380	126	patita	Jungle	0.040	0.016	
	85/381	126	patita	Jungle	0.040	0.013	
	85/382	126	patita	Jungle	0.040	0.013	
	85/383	126	patita	Jungle	0.040	0.015	
	85/384	126	patita	Jungle	0.040	0.014	
	85/385	126	patita	Jungle	0.040	0.015	
	80/386	126	patita	Jungle	0.150	0.07	
	80/387	126	patita	Jungle	0.020	0.004	
	81/388	104	Talla-II	Jungle	0.040	0.011	
	81/389	7	patita	Jungle	0.040	0.016	
	39	126	patita	Jungle	1.720	0.716	
	81/390	92	Talla-II	Jungle	0.040	0.014	
	81/391	117	Talla-II	Jungle	0.040	0.016	
	81/392	101	Talla-II	Jungle	0.040	0.015	
	81/393	9	patita	Jungle	0.040	0.015	
	81/394	82	Talla-II	Jungle	0.040	0.015	
	80/395	103	Talla-II	Jungle	0.040	0.016	
	80/396	119	Talla-II	Jungle	0.040	0.016	
	80/397	105	Talla-II	Jungle	0.040	0.016	
	80/398	89	Talla-II	Jungle	0.040	0.014	
	80/399	53	patita	Jungle	0.040	0.014	
	40	126	patita	Jungle	2.840	1.158	
	80/400	57	patita	Jungle	1.400	0.547	
	81/401	54	patita	Jungle	0.040	0.015	
	81/402	23	patita	Jungle	0.040	0.014	
	81/403	25	patita	Jungle	0.040	0.014	
	81/404	116	Talla-II	Jungle	0.040	0.016	
	81/405	108	Talla-II	Jungle	0.040	0.015	
	81/406	13	patita	Jungle	0.040	0.017	
	81/407	85	Talla-II	Jungle	0.040	0.012	
	81/408	126	patita	Jungle	0.180	0.059	
	81/409	126	patita	Jungle	0.040	0.013	
	41	126	patita	Jungle	0.350	0.114	
	81/410	41	Gharbari	Jungle	0.040	0.016	
	81/411	126	patita	Jungle	0.040	0.017	
	81/412	126	patita	Jungle	0.040	0.015	
	81/413	126	patita	Jungle	0.040	0.018	
	81/414	126	patita	Jungle	0.040	0.015	
	81/415	126	patita	Jungle	0.040	0.017	
	85/416	126	patita	Jungle	0.040	0.017	
85/417	126	patita	Jungle	0.040	0.018		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHJ

TARASILDAR
BARBIL

Name of the Village	Plot No.	Khata No.	Misara (After 25.10.1980)	Misara (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	85/418	126	patita	Jungle	0.040	0.016	Sabik Forest
	85/419	126	patita	Jungle	0.040	0.012	
	82	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	patita	Jungle	0.040	0.014	
	81/425	126	patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	17	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	83	126	patita	Jungle	2.020	0.839	
	85/431	126	patita	Jungle	0.040	0.014	
	85/432	126	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.014	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	patita	Jungle	0.040	0.016	
	84	126	patita	Jungle	8.060	3.283	
	82/440	126	patita	Jungle	0.080	0.037	
	82/443	126	patita	Jungle	0.040	0.016	
	82/444	126	patita	Jungle	0.040	0.016	
	82/445	126	patita	Jungle	0.040	0.014	
	82/446	126	patita	Jungle	0.400	0.121	
	82/447	126	patita	Jungle	0.040	0.014	
	82/448	126	patita	Jungle	0.040	0.016	
	82/449	126	patita	Jungle	0.040	0.018	
	85	126	Talla-ii	Jungle	4.010	1.647	
	82/450	126	patita	Jungle	0.040	0.017	
	82/451	126	patita	Jungle	0.040	0.018	
	82/452	126	patita	Jungle	0.040	0.017	
	85/453	126	patita	Jungle	0.040	0.017	
	85/454	126	patita	Jungle	0.040	0.016	
	85/455	126	patita	Jungle	0.040	0.013	
	86/456	126	patita	Jungle	0.040	0.013	
	85/457	126	patita	Jungle	0.040	0.014	
	85/458	126	patita	Jungle	0.040	0.015	
	85/459	126	patita	Jungle	0.040	0.014	
	86	125	Talla-i	Jungle	1.620	0.639	
	85/460	125	patita	Jungle	0.040	0.014	
	82/461	126	patita	Jungle	0.040	0.015	
	82/462	126	patita	Jungle	0.040	0.013	
	82/463	126	patita	Jungle	0.040	0.014	
	82/464	126	patita	Jungle	0.040	0.015	
	82/465	126	patita	Jungle	0.040	0.013	
82/466	126	patita	Jungle	0.040	0.012		
84/467	126	patita	Jungle	0.040	0.015		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Misam (After 25.10.1980)	Misam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapakdi	84/468	126	Patita	Jungle	0.040	0.013	Sabik Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	47	126	Taila-i	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.010	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	126	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	82	Patita	Jungle	0.040	0.013	
	83/478	02	Patita	Jungle	0.040	0.015	
	83/479	5	Taila-ii	Jungle	0.040	0.016	
	48	110/13	Karakhana	Jungle	0.190	0.073	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	06	Taila-ii	Jungle	0.040	0.016	
	84/482	46	Patita	Jungle	0.040	0.015	
	84/483	99	Taila-ii	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.040	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	79	Taila-ii	Jungle	0.040	0.017	
	83/487	5	Patita	Jungle	0.040	0.019	
	83/488	32	Patita	Jungle	0.040	0.024	
	83/489	8	Patita	Jungle	0.040	0.019	
	49	61	Bial	Jungle	1.440	0.562	
	83/490	83	Taila-ii	Jungle	0.040	0.023	
	83/491	01	Patita	Jungle	0.040	0.018	
	83/492	98	Taila-ii	Jungle	0.040	0.021	
	83/493	43	Taila-ii	Jungle	0.040	0.019	
	84/494	66	Patita	Jungle	0.040	0.021	
	86/497	126	Patita	Jungle	0.200	0.087	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	119/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.360	0.142	
	89/510	126	Patita	Jungle	0.040	0.015	
	86/511	126	Patita	Jungle	0.040	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BARBIL

TAMASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
Tapanidi	86/513	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	86/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.407	
	86/530	126	Patita	Jungle	0.040	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.380	0.048	
	54	126	Talla-II	Jungle	1.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Talla-II	Jungle	0.420	0.166	
	80/546	126	Talla-II	Jungle	0.470	0.186	
	82/547	126	Patita	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	82/549	76	Talla-I	Jungle	0.750	0.336	
	55	126	Talla-II	Jungle	0.870	0.353	
	108/550	25	Talla-II	Jungle	0.440	0.191	
	109/551	126	Talla-I	Jungle	0.380	0.154	
	112/552	25	Talla-I	Jungle	0.280	0.11	
	115/554	93	Talla-S	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.219	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Nala	Jungle	0.176	0.073	
	123/565	119/17	Talla-I	Jungle	0.090	0.197	
	124/566	124	Rasta	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.467	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	134/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	5.090	2.153	
	134/582	100	Talla	Jungle	0.300	0.106	
	134/583	69	Talla	Jungle	0.120	0.058	
	134/584	94	Talla	Jungle	0.200	0.086	
	134/585	64	Talla-II	Jungle	0.850	0.363	
	134/586	124	Patita	Jungle	0.186	0.075	
	C	126	Patita	Jungle	0.850	0.358	




 Forest Range Officer REVENUE INSPECTOR TAMASILDAN
 BARBIL BHADRASAHU BARBIL

Name of the village	Plot No.	Khata No.	Khasam (After 25.10.1980)	Khasam Before 25.10.1980	Area (In Acres)	BMPS Area (In Ha)	Remarks
Tapadil	80	325	Taila-II	Jungle	4.860	2.039	Sabik Forest
	78/618	126	Taila-I	Jungle	0.880	0.359	
	89/615	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	89/620	119/18	Karakhana	Jungle	0.550	0.226	
	90/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-I	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.520	0.215	
	91/624	119/18	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-I	Jungle	0.240	0.104	
	83/626	119/19	Karakhana	Jungle	0.680	0.262	
	134/629	124	Patila	Jungle	0.755	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.099	0.031	
	115/642	124	Patila	Jungle	0.208	0.084	
	66	126	Patila	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.060	0.023	
	7	126	Patila	Jungle	0.150	0.051	
	70	124	Gharabari	Jungle	0.700	0.298	
	71	126	Patila	Jungle	3.140	1.345	
	72	32	Taila-I	Jungle	1.200	0.546	
	73	126	Taila-I	Jungle	1.100	0.476	
	74	126	Taila-I	Jungle	1.250	0.512	
	75	126	Taila-I	Jungle	1.220	0.503	
	76	102	Sarada-I	Jungle	2.840	1.218	
	77	126	Taila-I	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-I	Jungle	1.110	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-II	Jungle	0.040	0.014	
	81	126	Patila	Jungle	1.240	0.49	
	82	126	Patila	Jungle	0.200	0.06	
	84	126	Patila	Jungle	0.220	0.043	
	86	126	Patila	Jungle	0.040	0.014	
	87	126	Taila-II	Jungle	0.860	0.381	
	89	126	Taila-II	Jungle	0.380	0.158	
	9	126	Patila	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-I	Jungle	0.610	0.235	
	93	126	Biali	Jungle	0.330	0.133	
	94	126	Sarada-I	Jungle	0.680	0.266	
	95	102	Sarada-I	Jungle	0.990	0.416	
	96	126	Taila-I	Jungle	0.330	0.133	
	97	47	Taila-I	Jungle	0.480	0.196	
	98	47	Taila-I	Jungle	0.600	0.237	
	99	17	Sarada-I	Jungle	1.010	0.412	
	Sub-Total					142.253	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	112/553	126	Jungle	Jungle	0.410	0.135	Revenue Forest
	114	126	Jungle	Jungle	37.450	15.141	
	17/300	123	Jungle	Jungle	3.094	1.252	
	61/303	124	Gramya Jungle	Jungle	32.791	13.270	
	61/314	126	Jungle	Jungle	53.750	21.781	
	61/315	126	Jungle	Jungle	32.930	13.054	
	61/306	126	Jungle	Jungle	37.500	12.866	
	61/311	126	Jungle	Jungle	8.909	3.606	
	123/628	124	Jungle	Jungle	0.273	0.111	
	61	126	Jungle	Jungle	30.250	15.885	
	1.5/541	126	Jungle	Jungle	0.344	0.018	
	1.5/543	126	Jungle	Jungle	0.019	0.008	
	61	126	Jungle	Jungle	0.840	0.333	
	61/650	126	Jungle	Jungle	1.500	0.622	
83	126	Jungle	Jungle	13.820	5.611		
Sub-Total					256.580	103.843	

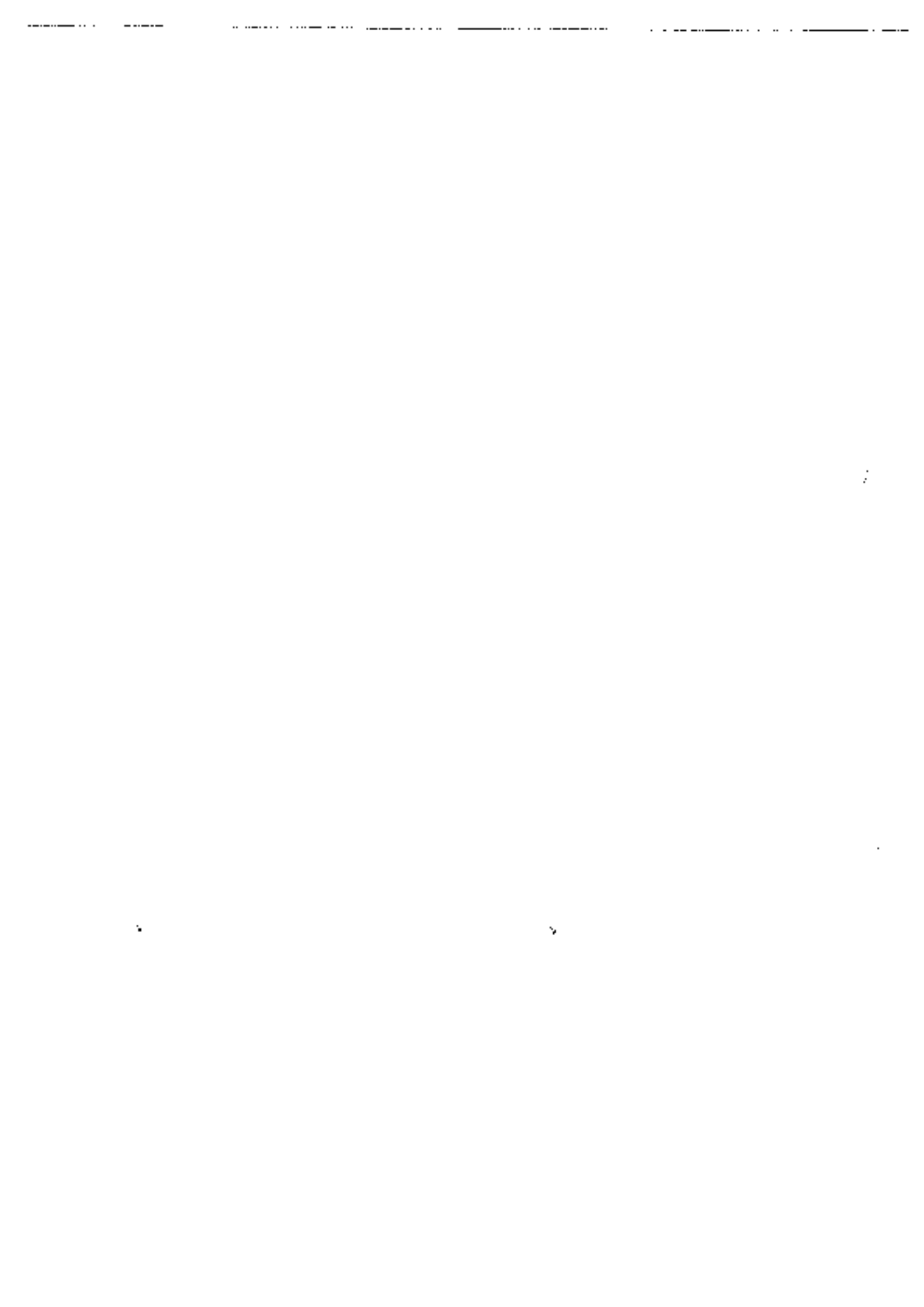
ABSTRACT OF THE LAND SCHEDULE OVER 300.89.13HA. OF FOREST LAND | AS PER HAL & SABIK RECORD)

Name of the village	FOREST LAND IN HECT.				
	R.F.	Revenue Forest	Forest land as on 25.10.1980 (Sabik)	Treated Forest	Total
Guali	Nil	50.356	7.008	-	57.364
Laharapada	Nil	-	3.372	-	3.372
Pandulipasi	Nil	43.158	5.778	9.118	58.054
Ruguel Dhl	Nil	4.666	0.324	-	4.990
Tapadidi	Nil	103.843	73.820	-	177.663
Mehamacha R.F.	30.657	-	-	-	30.657
Total	30.657	202.023	90.302	9.118	332.100


 Revenue Inspector Forester
REVENUE INSPECTOR
BHADRASAH


 Range Officer
 Forest Range Officer
BARBIL


 Tahasildar
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TAHASILDAR
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ଗ୍ରାମସଭା ଖାତା

ନେତୃତ୍ୱ ଓ.ଏମ.ସି. ଲିଃ

ଗ୍ରାମ : ଗୋପାଡ଼ିହି

ଗ୍ରା.ପ. : ଲକ୍ଷ୍ମୀ ପଦା

ବ୍ଲକ : ଯୋଡ଼ା

ପି.ନଂ : ୧୨୩୪୫



Office of the Sarpanch

L Aidapada Gram Panchayat, Laidapada

Chatrubhuja Naik, Sarpanch Laidapada G.P.

At. : Laidapada, P.O. : Gual, Dist. : Keonjhar (Odisha) Pin : 758035

Mob. : 9337543484

Ref. No. 08/17/2024

Date 4/3

ପ୍ରାୟୋଗ୍ୟ,

ଗୋଷ୍ଠୀ ଭବନ ଅଧିକାରୀ, ଯୋଡ଼ା

ବିଷୟ - ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଟି ର ପୁଅଲି କୌତୁଖି ଖନନ ନିମନ୍ତେ ଆବେଦନ ହେଉଥିବା ଗୋପାଡ଼ିହିଁ ଗ୍ରାମର ଅଧିକୃତ ଜଙ୍ଗଲ ଜମିକୁ ଅଣବିକଳ ଭବେଷ୍ୟରେ ବ୍ୟବହାର ନିମନ୍ତେ ଗ୍ରାମସଭା ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ଆପଣଙ୍କ କାର୍ଯ୍ୟାଳୟ ପତ୍ର ସଂ. ୨୭୪୩, ତା. ୦୯.୦୯.୨୦୨୧

ମହାଶୟ,

ଉପରୋକ୍ତ ବିଷୟ ପ୍ରତି ଧ୍ୟାନ ଆକର୍ଷଣ ପୂର୍ବକ ଜଣାଇବାକୁ ଚାହେଁକି ଆପଣଙ୍କ ଆବେଦନ ଅନୁଯାୟୀ ଆଉ ଗ୍ରା. ପ. ଅନ୍ତର୍ଗତ ଗୋପାଡ଼ିହିଁ ଗ୍ରାମର ମେସର୍ସ ଓ.ଏମ.ସି. ଲିଟି କ୍ଷାତ୍ରୀ ୧୭୭.୭୬୩ ହେକ୍ଟର ଏବଂ ବିକଳ ୦ ରିଜର୍ଭ ଫରେଷ୍ଟର ୩୦.୨୫୭ ହେକ୍ଟର ଜମିକୁ ଅଣ ବିକଳ ଜମି ଭାବରେ ବ୍ୟବହାର ନିମନ୍ତେ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପରିକ ବନବାସୀଙ୍କ ଜଙ୍ଗଲ ଅଧିକାର ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ର ପରିପାଳନ ଭବେଷ୍ୟରେ ଗତ ତା ୨୭/୧୦/୨୦୨୧ ରିଖ ପୂର୍ବରୁ ୦୯.୦୦ ଘଟିକା ସମୟରେ ଗୋପାଡ଼ିହିଁ ମଣ୍ଡପ ଠାରେ ପୂର୍ବ ନିର୍ଦ୍ଧାରିତ କାର୍ଯ୍ୟସୂଚୀ ଅନୁଯାୟୀ ଏକ ପଲ୍ଲୀସଭା ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଏହି ପଲ୍ଲୀସଭାରେ ସରକାରଙ୍କ ନିୟମାନୁଯାୟୀ ୫୦ ପ୍ରତିଶତରୁ ଊର୍ଦ୍ଧ୍ୱ ସାବାଳକ ଭୋଟର ଅଂଶଗ୍ରହଣ କରି ସମ୍ମାନଜର ମତାମତ ଦେଇ ଉପରୋକ୍ତ ପ୍ରସ୍ତାବକୁ ଅନୁମୋଦନ କରିଥିଲେ ।

ପଲ୍ଲୀସଭା ନିର୍ଦ୍ଧାରଣ ଏକକିତା ନକଲ ଆବେଦନକାରୀ ବାଗବାତ ସହ ଆପଣଙ୍କ ଗୋଚରାର୍ଥେ ଓ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ସାଖାଇ କରାଗଲା ।

ଆପଣଙ୍କ ବିଶ୍ୱସ୍ତ
Sarpanch
Laidapada Gram Panchayat, Odisha
ପ୍ରମୁଖ ଲାଈପାଡ଼ା ଓଡ଼ିଶା ଗ୍ରା. ପ.

ସଂଲଗ୍ନ ହୋଇଥିବା ନଥିପତ୍ର

୧. ଗ୍ରାମସଭା ପ୍ରାମାଣିକ ବିବରଣୀ

୨. ଦୃଶ୍ୟ ସ୍ତ୍ରୀନ୍ୟ (ଲିଚିଓ ସିଡ଼ି)

୩. ସ୍ଥିର ବିତ୍ତ

୪. ପ୍ରଚାର ବିତ୍ତ

୫. ଯାତ୍ର ହୋଇଥିବା ଭୋଗର ଲିଷ୍ଟର ନକଲ

୬. ଅଣ ଉତ୍କଳ ଭାବେ ବ୍ୟବହାର ହେବାକୁ ଥିବା ପ୍ରତ୍ନାବିତ ଜମିର ନକସା

୭. ଗୋଷ୍ଠୀ ଭରଣର ଅଧିକାରୀଙ୍କ ଆବେଦନ ପତ୍ର

୮. ଗ୍ରାମସଭା ଅନୁଷ୍ଠିତ କରିବା ପାଇଁ ଧ୍ୱା. ପ. ଦାବା ଜାରି କରାଯାଇଥିବା ହୋଟିସ

୯. ଯଥାର୍ଥତା ପ୍ରମାଣ ପତ୍ର


Sarpanch
Laida Pada Gram Panchayat
Dist. Keonjhar

ଗାମ : ଟୋପାଡ଼ିହି

ସମୁଦାୟ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = ୨୯୪ (ପୁରୁଷ = ୧୩୩ ଓ ମହିଳା = ୧୬୧)

ସମୁଦାୟ ଦସ୍ତଖତ କରିଥିବା ଲୋକଙ୍କ ସଂଖ୍ୟା = ୨୨୯

ସେଥିରୁ ଟୋପାଡ଼ିହି ଦସ୍ତଖତ ଭୋଟରଙ୍କ ସଂଖ୍ୟା = 162

ମହିଳା = ୭୭

ପୁରୁଷ = ୮୫

ନିମ୍ନରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କ୍ରମିକ ନମ୍ବରଗୁଡ଼ିକ ସୁରକ୍ଷିତ, ବଞ୍ଚିଯିବନା ଇତ୍ୟାଦି
ଛାମର ଭୋଟରମାନେ:

କ୍ରମିକ ସଂଖ୍ୟା :

୯, ୧୦, ୧୧, ୧୨, ୧୫, ୨୪, ୨୫, ୨୬, ୨୮, ୩୧, ୩୨, ୩୩, ୪୨, ୪୩, ୫୧, ୫୨, ୫୩, ୫୪, ୫୮, ୬୨, ୬୩, ୬୬,
୬୭, ୭୯, ୭୨, ୭୯, ୮୧, ୮୫, ୮୬, ୮୯, ୯୮, ୯୯, ୧୦୫, ୧୦୬, ୧୦୯, ୧୧୭, ୧୨୯, ୧୨୮, ୧୨୯, ୧୩୦, ୧୪୭,
୧୫୫, ୧୬୦, ୧୬୫, ୧୬୬, ୧୬୭, ୧୬୮, ୧୬୯, ୧୭୦, ୧୮୩, ୧୮୮, ୧୯୦, ୧୯୨, ୧୯୫,
୧୯୬, ୧୯୯, ୨୦୦, ୨୦୨, ୨୦୪, ୨୦୫, ୨୦୬, ୨୦୭, ୨୧୦, ୨୧୧, ୨୧, ୧୯, ୫, ୩୪, ୩୯ ଓ ୪୮ ।

Saibansh
Laldia Panti Gram Panchayat
Dist. Keonjhar

ସାମସ୍ତ ଚିଠି

ପା- ଚାଣାପୁର,
ତା- 27/10/2024
ସ୍ଥାନ- ଚାଣାପୁର, ଖୁର୍ଦ୍ଧା
ସମ୍ପର୍କ- ସୁଧାଂଶୁ ମହାନ୍ତି

10

ମୁଖ୍ୟ ଶ୍ରୀ ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ ସୁଧାଂଶୁ ମ- ୧୦.୦୦ ମିନିଟ୍ ସମୟ ଚାଣାପୁର
ରାଜ୍ୟ ସମ୍ବନ୍ଧରେ ଆପଣଙ୍କୁ ଏହି ସମ୍ପର୍କରେ ମୁଖ୍ୟତଃ ଜଣାଇବା
ପାଇଁ ମୁଁ ଆପଣଙ୍କୁ ସମ୍ବେଦିତ କରୁଛି। ମୁଁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ମୁଁ ଏହି ସମ୍ପର୍କ-
ନାମରେ, ମୁଖ୍ୟତଃ ମୁଁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ଚାହୁଁଛି। ମୁଁ ଆପଣଙ୍କୁ
ଜଣାଇବାକୁ (ଆପଣଙ୍କୁ ଜଣାଇବାକୁ) ମୁଁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ (ଆପଣଙ୍କୁ
ଜଣାଇବାକୁ) ଓ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ମୁଁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ
ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ଆପଣଙ୍କୁ ଜଣାଇବାକୁ ।

ଶ୍ରୀମତୀ ସୁଧାଂଶୁ
27/10/24
ଖୁର୍ଦ୍ଧା
ଖୁର୍ଦ୍ଧା
(1000, 1000)

ୱାଟସ୍ ଫୋନ୍ ନମ୍ବର
27/10/2024

ଖୁର୍ଦ୍ଧା
27/10/24
R-1. Shudhanshu
Simalari mandu (M)
ଶ୍ରୀମତୀ ସୁଧାଂଶୁ (M)
Kishor Naik
Kishor Naik

ଉତ୍କଳ ସମାଜ ସମାଜ ସମାଜ

ସଂଖ୍ୟା

1	Madan Naik	514-44	613	OR/21/142/12674
2	Sudhakar Naik		602	OR/21/142/12677
3	ଉତ୍କଳ ସମାଜ		559	OR/21/142/12677
4	Anusuya Naik		696	RF20529446
5	Pramila Naik		688	RF20529479
6	ଓମ୍ବରୀ ନାୟକ		707	RF20643817
7	ଶ୍ରୀମତୀ ସୁମିତ୍ରା		530	RF20187799
8	Kalpana Naik		618	OR/21/142/12658
9	ସୁମିତ୍ରା ନାୟକ	ଉତ୍କଳ ସମାଜ		
10	କାମଲକାନ୍ତ ନାୟକ			
11	Satyabrata Munda			
12	ମଙ୍ଗଳ ମୁନ୍ଦା			
13	Ramakanta Naik		589	RF21041391
14	Chayan Mehera		476	OR/21/142/12646
15	Pankaj Naik			
16	Dinabandhan Naik		596	OR/21/142/12675
17	Rabika Naik		612	OR/21/142/12658
18	ଶ୍ରୀମତୀ ନାୟକ		592	RF20187815
19	Niraj Naik		583	OR/21/142/12653
20	କିରଣୀ ନାୟକ		686	RF20529511
21	ଶ୍ରୀମତୀ ନାୟକ		680	RF20529412
22	ଓମ୍ବରୀ ନାୟକ		694	RF20529438
23	ଉତ୍କଳ ସମାଜ		651	RF21345259
24	Umesh Naik			
25	Sonah Naik			
26	Ganita Naik			
27	ଉତ୍କଳ ସମାଜ		621	RF20952424
28	ସୁମିତ୍ରା			
29	Brijan Naik		619	OR/21/142/12658
30	Bikanta Naik		570	RF21206824

31	ਅਧਿਕਾਰੀ ਨਿਵੇਸ਼		
32	LTR of Sunamni Munda	460	OR/21/142/126448
33	ਰਾਜਨੀਤੀ	528	RFZ0896792
34	ਗੁਲਾਮੀ	461	OR/21/142/126446
35	ਕਾਨਿਆ	546	RFZ0828735
36	LTR of Gulabdi Munda		
37	LTR of Suhomala		
38	LTR of Sunamni Munda	458	RFZ0756767
39	LTR of Sunamni Munda		
40	LTR of Sunamni Munda	587	OR/21/142/126558
41	LTR of Sunamni Munda	649	OR/21/142/126609
42	LTR of Sunamni Munda		
43	LTR of Sunamni Munda	457	OR/21/142/126499
44	LTR of Sunamni Munda	625	OR/21/142/126570
45	LTR of Sunamni Munda	548	OR/21/142/126516
46	LTR of Sunamni Munda		

(47) Nisomala Naik	703	RF70618843
(48) ^{Chit. of} Ponkajhi Naik	701	RF20781950
(49) ^{Chit. of} Jatin Naik	708	RF20529262
(50) Sayu Naik	587	OR/21/142/126536
(51) Naresht Naik		
(52) Parasara Naik		
(53) Pankaj Naik		
(54) Pawanmita Naik		
(55) ପାମନା ମାନ୍ଦା	597	OR/21/142/126566
(56) Jitendra Naik	591	OR/21/142/126568
(57) Sumiran Mandi	588	RF20611863
(58) ^{Chit. of} Nishwan Munda		
(59) Anesh Naik	699	RF21542778
(60) Ratna Naik	627	HSR3570611
(61) Kanishch Naik	659	HSR3713195
(62) Nishan Naik		
(63) Athava Rangun Naik		
(64) ^{Chit. of} Balwin Orav	508	OR/21/142/126482
(65) ପାମନା ମାନ୍ଦା	529	OR/21/142/126532

66	^{LT of} Meri Munda		
67	ANJANAK		
68	Gabirab Sarda	584	HR21/140/127032
69	^{LT of} Mukta Munda	516	RFZ1041003
70	^{LT of} Dasma Sarda Dasma - Sarda	525	HR23712767
71	Jaydesh Sarda		
72	TAU MUNDA		
73	Dasma Sarda	500	RFZ1240939
74	^{LT of} Luxmi Munda	451	RFZ0643890
75	^{LT of} Supai Lagari	497	OR121/143/26474
76	Mithal Lagari	501	RFZ0836818
77	^{LT of} Bela Munda	489	HR23718351
78	^{LT of} Machi Munda	448	RFZ0826727
79	^{LT of} Sapani Munda		
80	Pranila Naik	688	RFZ0529474

2)

(81) Sana Munda		
(82) Padma munda	477	RF20756383
(83) Sunari Naik	652	OR/21/142/126611
(84) Lalasa Tapra	677	RF10737919
(85) Pratap munda		
(86) Pradeep Naik	849	RF20643312
(87) Susana Tapra		
(88) Rana Munda	682	RF20613801
(89) Sita Tapra		
(90) NM TO PNO	485	OR/21/M2/127046
(91) Gita Munda	490	RF21041243
(92) Etahari Munda	488	OR/21/M2/126486
(93) Sita Tapra	487	OR/21/M2/126465
(94) Janku Oram	509	RF21041227
(95) Suramoni Sarda	485	RF20520487

(95) ^{Left of} Temu Pingu	521	RFZ0952176
(96) ^{Left of} Nasun Pingu	520	RFZ0952275
(97) ^{Left of} Randan Munda		
(98) ^{Left of} Momba		
(99) ^{Left of} LITAN Munda	481	RFZ0826800
(100) ^{Left of} Ailam Munda	578	RFZ1041011
(101) ^{Left of} Sarawati Munda	534	RFZ0643445
(102) ^{Left of} Sira Munda	425	HSR3713369
(103) ^{Left of} Bhesi Munda	634	HSR3713211
(104) ^{Left of} Sira Munda		
(105) ARJUNMUNDA	454	RFZ1041045
(106) ^{Left of} Bitang Lagan		
(107) ^{Left of} STIG Munda	492	RFZ0756700
(108) ^{Left of} Muxta Munda		
(109) ^{Left of} Gurubai Munda	425	OR/21/242/126416
(110) ^{Left of} Dalu Munda	672	RFZ0731927
(111) ^{Left of} Ranvita Munda	687	RFZ0529503

113) ^{L.H. of} Mandi Munda	675	RF10756775
114) ^{L.H. of} Mandi Munda	611	HGR3713252
115) ^{L.H. of} Tabada Munda	430	RFZ1041052
116) ^{L.H. of} Mandi Munda	700	RFZ0618850
117) ^{L.H. of} Chariba Munda		
118) ^{L.H. of} Ghasiram Munda	557	OR/21/142/126533
119) ^{L.H. of} Mandi Munda		
120) ^{L.H. of} Mandi Munda	706	RFZ0843893
121) ^{L.H. of} Kaini Munda	450	RFZ1041110
122) ^{L.H. of} Asari Munda		RFZ1128677
123) ^{L.H. of} Sangra Munda	1311	OR/21/142/126425
124) ^{L.H. of} Mandi Munda	682	RFZ0618777
125) ^{L.H. of} Ghanesha Munda	537	RFZ1042037
126) ^{L.H. of} Mandi Munda	544	OR/21/142/126518
127) Jaka munda		RFZ1483007
128) ^{L.H. of} Lalapathi Naik		
129) ^{L.H. of} Arari Munda		
130) ^{L.H. of} Mandi Munda		
131) ^{L.H. of} Mandi Naik	588	OR/21/142/126559

(130)	LT of Sapani Munda	461	OR/21/142/126446
(131)	ଶଶି କୁମାର ମୁଣ୍ଡା	554	RFZ0643437
(132)	Nandimunda	531	RFZ0612701
(133)	LT of Sabita Munda	532	RFZ0756791
(134)	ଶଶି କୁମାର ମୁଣ୍ଡା	667	RFZ0611848
(135)	LT of Murta Naik	671	OR/21/142/126626
(136)	LT of Radha Munda	684	RFZ0756858
(137)	ଶଶି କୁମାର ମୁଣ୍ଡା	616	RFZ0825917
(138)	Babu Naik	609	RFZ1473453
(139)	Rajesh Naik	423	RFZ1041300
(140)	Ganesh Naik	668	RFZ0643296
(141)	Andhi Kanti Naik	589	OR/21/142/126560
(142)	Kabi Naik	419	OR/21/142/126410
(143)	ଶଶି କୁମାର ମୁଣ୍ଡା	462	RFZ1041219
(144)	Soni Naik		
(145)	Kishor Naik	556	OR/21/142/126532
(146)	Ajay Naik	562	RFZ1041417
(147)	ଶଶି କୁମାର ମୁଣ୍ଡା	578	RFZ0756734
(148)	ଶଶି କୁମାର ମୁଣ୍ଡା	586	OR/21/142/126557
(149)	Pranab Naik	582	OR/21/142/126552
(150)	Nizos Naik	583	OR/21/142/126553
(151)	LT of Jema Bankha	575	RFZ1473552

(151) Manoj Kumar Naik 594	594	RF70952432
(152) Ramita Naik		
(153) Bilash Naik	566	OR/21/142/1265 -35
(154) Abhinav Naik	665	OR/21/142/126535
(155) Raimani Naik	640	OR/21/142/126601
(156) S/1961 F 108	593	RF70756726
(157) S/1961 F 108		
(158) L/14 Nabata Naik	590	OR/21/142/126561
(159) S/1961 F 108	517	RFZ1178284
(160) S/1961 F 108		
(161) L/14 Nabata Naik	558	OR/21/142/126975
(162) S/1961 F 108	483	RFZ0826826
(163) S/1961 F 108		
(164) L/14 Nabata Naik		
(165) S/1961 F 108		
(166) S/1961 F 108		
(167) S/1961 F 108		
(168) S/1961 F 108		
(169) S/1961 F 108		
(170) S/1961 F 108	547	RFZ0826677
(171) S/1961 F 108	626	RFZ0826883
(172) S/1961 F 108	422	OR/21/142/126413
(173) S/1961 F 108		
(174) S/1961 F 108	496	HSR3327038
(175) S/1961 F 108		
(176) S/1961 F 108	664	OR/21/142/126622
(177) S/1961 F 108		

(170)	Chitab Satva Munda		
(171)	Paiani Naik	621	HSR3713153
(172)	Kugala Munda	444	OR/21/12/127047
(173)	Chitab Paipa Munda		
(174)	Chitab Ludum Munda	455	RFZ0952572
(175)	Tava munda		
(176)	Chitab Suramand Munda		
(177)	Paipa Naik	515	RFZH78292
(178)	Chitab Sambani Munda	555	RFZ0756742
(179)	Chitab Subash Naik		
(180)	Binat Naik	608	RFZ1478812
(181)	Chitab Sukumari Munda	452	RFZ0953556
(182)	Subash Naik	629	RFZ0643361
(183)	Chitab Sunka Munda	465	RFZ0613792
(184)	Laxman Naik	421	HSR3713112
(185)	Sanki Munda		
(186)	LTC Sanki Naik	690	RFZ0529412

(192) Lunaram purty	568	RFZ0648304
(193) Sona purty		
(194) LIT of Chole Munda	491	RFZ0529404
(195) Korse Munda		
(196) Iswar Naik	653	OR/21/142/126612
(197) LIT of Tulari Munda		
(198) MANGANI NMT	702	RFZ0731968
(199) Bishal Topno		
(200) DGSIAI GAGRE		
(201) Geeta Naik	560	RFZ0612028
(202) Reena Dham		
(203) LIT of Gutiyali Naik	585	RFZ0643494
(204) Namodar Munda		
(205) LIT of Birlash Naik		
(206) Bakrishna Hembaram		
(207) LIT of Sahu Munda		
(208) Suberchi Naik	600	RFZ0756809
(209) SPTA SSB	494	RFZ1178128
(210) LIT of Subhadra Munda		

(107)	LTI Raibani Munda		
(21)	ଅମିତା ଦାଶ	478	RFZ1473946
(212)	LTI - Rabindra Oram	507	08/21/193/126481
(214)	Dibakar Munda	495	RFZ09661H
(215)	LTI - Kesabanga Das	620	08/21/192/126523
(216)	LTI - Uramani Naik	603	RFZ0187823
(217)	ଶ୍ରୀମତୀ ସୁମିତ୍ରା	679	RFZ0618835
(218)	ଅନୁଭବ ମହାନ୍ତି	685	RFZ1472273
(219)	ଅନୁଭବ ଦାଶ	680	RFZ0612769
(220)	Pankajini Naik	704	RFZ0731950
(221)	ଅମିତା ଦାଶ	895	RFZ0529347
(222)	ଅନୁଭବ ମହାନ୍ତି	647	RFZ1206846
(223)	Behanabi Das	574	RFZ0966101
(224)	LTI Asha Oram	510	RFZ1473404
(225)	ଅମିତା ଦାଶ	471	RFZ1510122
(226)	LTI Suren Munda	464	HS23713161
(227)	Ganucharan Naik	662	RFZ0826859
(228)	ଅନୁଭବ ମହାନ୍ତି	692	RFZ0529388
(229)	Bidyachari Naik	644	RFZ0966135

ଏହି ତାଲିକା :- କର୍ମଚାରୀଙ୍କ ନାମ, ସ୍ଥାନ, ବାସ ଠିକଣା ଓ ଫୋନ୍ ନମ୍ବର
 ଦେଖିବା ପାଇଁ ଉପଯୋଗୀ ଅଟେ :-

ମାଲିକ ଶ୍ରୀ ଉତ୍ତମ କୁମାର ଦାଶଙ୍କୁ ଉପଯୋଗୀ ଭାବେ ଏହି ତାଲିକା
 ଓ PA-ITDA ବ୍ୟବସ୍ଥାପନ ଉପଯୋଗୀ 1505 / ITDA ଓ ଶ୍ରୀ ଉତ୍ତମ କୁମାର
 ଦାଶଙ୍କୁ MIE Odisha Energy Corporation Limited (OEC Ltd.) ର
 ଉପକ୍ରମ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ
 ଏବଂ ଫୋନ୍ ନମ୍ବର 177-663 ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ
 ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ
 ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ
 ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ ଭାବେ ଉପଯୋଗୀ

OMC L.H. 22 ରେ ଉପର ଉଲ୍ଲେଖିତ ମାତ୍ର ଉପର ଉଲ୍ଲେଖିତ
କାର୍ଯ୍ୟକ୍ରମ ପାଇଁ ଏହି ଟଙ୍କା 197-653 ଟଙ୍କାର ଉପର ଉଲ୍ଲେଖିତ
ଫର୍ମ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ କାର୍ଯ୍ୟକ୍ରମ ଏହି ଟଙ୍କା
ସମ୍ପର୍କରେ ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଏହି ଟଙ୍କା ଉପର ଉଲ୍ଲେଖିତ
ଫର୍ମ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
ଫର୍ମ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
ଫର୍ମ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
ଫର୍ମ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ

- (1) ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
- (2) ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
- (3) ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
- (4) ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
- (5) ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ

ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
Kishor Nayak
ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ

ଉପର ଉଲ୍ଲେଖିତ
Panchayat Executive Officer
LAIDAPADA G.P.

ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ
ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ ଉପର ଉଲ୍ଲେଖିତ

ଉପର ଉଲ୍ଲେଖିତ
Sardar
LAIDAPADA G.P.

ଉପର ଉଲ୍ଲେଖିତ
Forest Section Officer
Guahati

ଉପର ଉଲ୍ଲେଖିତ
Panchayat Executive Officer
LAIDAPADA G.P.

ଉପର ଉଲ୍ଲେଖିତ
REVENUE INSPECTOR
BHADRASAHU

ଉପର ଉଲ୍ଲେଖିତ
Welfare Extension Officer
Jode Dist. Keonjhar

ଅନୁକ୍ରମିକ ନଂ ଓ ନାମ : 2-5ମାସାବଧି

410 ନାମ : ଶ୍ରୀ ନାଥ ପିତାଙ୍କ ନାମ : ବନ ନାଥ ବୟସ : 1 ଉଚ୍ଚତା : 46 ସିମି : ପୁରୁଷ ✓ Photo is Available	OR/21/142/126410	421 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଶ୍ରୀ ନିର୍ମଳା ବୟସ : 1 ଉଚ୍ଚତା : 46 ସିମି : ଓ	HSR3325545	471 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଶ୍ରୀ ନିର୍ମଳା ବୟସ : 1 ଉଚ୍ଚତା : 43 ସିମି : ପୁରୁଷ ✓ Photo is Available	HSR3713112
422 ନାମ : ମିତ୍ର ନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 2 ଉଚ୍ଚତା : 44 ସିମି : ପୁରୁଷ ✓ Photo is Available	OR/21/142/126413	423 ନାମ : ଉତ୍ତମନାଥ ପିତାଙ୍କ ନାମ : ମିତ୍ର ନାଥ ବୟସ : 2 ଉଚ୍ଚତା : 23 ସିମି : ପୁରୁଷ ✓ Photo is Available	RFZ1041300	424 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଶ୍ରୀ ନିର୍ମଳା ବୟସ : 3 ଉଚ୍ଚତା : 20 ସିମି : ଓ Photo is Available	RFZ1465608
425 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 3 ଉଚ୍ଚତା : 46 ସିମି : ଓ ✓ Photo is Available	OR/21/142/126415	426 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 3 ଉଚ୍ଚତା : 44 ସିମି : ଓ ✓ Photo is Available	HSR3713303	427 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 3 ଉଚ୍ଚତା : 38 ସିମି : ଓ Photo is Available	RFZ0611830
428 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 3 ଉଚ୍ଚତା : 28 ସିମି : ଓ Photo is Available	RFZ1124000	429 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 3 ଉଚ୍ଚତା : 19 ସିମି : ପୁରୁଷ ✓ Photo is Available	RFZ1493007	430 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 5 ଉଚ୍ଚତା : 35 ସିମି : ପୁରୁଷ ✓ Photo is Available	RFZ1041052
431 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 56 ସିମି : ପୁରୁଷ ✓ Photo is Available	OR/21/142/126425	432 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 44 ସିମି : ପୁରୁଷ Photo is Available	OR/21/142/126428	433 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 39 ସିମି : ଓ Photo is Available	RFZ0611852
434 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 33 ସିମି : ଓ Photo is Available	RFZ0826807	435 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 28 ସିମି : ଓ Photo is Available	RFZ1040971	436 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 6 ଉଚ୍ଚତା : 26 ସିମି : ପୁରୁଷ Photo is Available	RFZ0626788
437 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 19 ସିମି : ଓ Photo is Available	RFZ1510103	438 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 38 ସିମି : ଓ Photo is Available	OR/21/142/126427	439 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 45 ସିମି : ଓ ✓ Photo is Available	HSR3713351
440 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 34 ସିମି : ପୁରୁଷ Photo is Available	RFZ0943874	441 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 32 ସିମି : ଓ Photo is Available	RFZ0543898	442 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 26 ସିମି : ପୁରୁଷ Photo is Available	RFZ0932499
443 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 7 ଉଚ୍ଚତା : 26 ସିମି : ଓ Photo is Available	RFZ1456892	444 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 46 ସିମି : ପୁରୁଷ ✓ Photo is Available	OR/21/142/127047	445 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 38 ସିମି : ଓ Photo is Available	HSR3713047
446 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 34 ସିମି : ଓ Photo is Available	RFZ0843908	447 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 33 ସିମି : ପୁରୁଷ Photo is Available	RFZ0543756	448 ନାମ : ପ୍ରମିଳାପ୍ରଭାତୀନାଥ ପିତାଙ୍କ ନାମ : ଚନ୍ଦ୍ରଶେଖର ନାଥ ବୟସ : 8 ଉଚ୍ଚତା : 33 ସିମି : ଓ Photo is Available	RFZ0826689

<p>308</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 41 ବର୍ଷ</p> <p>Photo is Available</p>	RF21473427	<p>309</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 41 ବର୍ଷ</p> <p>Photo is Available</p>	RF21473428	<p>310</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 41 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/126488
<p>311</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 19 ବର୍ଷ</p> <p>Photo is Available</p>	RF21473429	<p>312</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 19 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/126492	<p>313</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 19 ବର୍ଷ</p> <p>Photo is Available</p>	RF21473430
<p>314</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 31 ବର୍ଷ</p> <p>Photo is Available</p>	RF21178292	<p>315</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 31 ବର୍ଷ</p> <p>Photo is Available</p>	RF21041003	<p>316</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 31 ବର୍ଷ</p> <p>Photo is Available</p>	RF21178294
<p>317</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 28 ବର୍ଷ</p> <p>Photo is Available</p>	RF20826842	<p>318</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 28 ବର୍ଷ</p> <p>Photo is Available</p>	RF20852176	<p>319</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 28 ବର୍ଷ</p> <p>Photo is Available</p>	RF20852275
<p>320</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 24 ବର୍ଷ</p> <p>Photo is Available</p>	RF20826776	<p>321</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 24 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/127023	<p>322</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 24 ବର୍ଷ</p> <p>Photo is Available</p>	RF20826875
<p>323</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 36 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/127032	<p>324</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 36 ବର୍ଷ</p> <p>Photo is Available</p>	MSR/17/12767	<p>325</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 36 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/126368
<p>326</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 37 ବର୍ଷ</p> <p>Photo is Available</p>	MSR/17/13139	<p>327</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 37 ବର୍ଷ</p> <p>Photo is Available</p>	RF20826792	<p>328</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 37 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/126502
<p>329</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 42 ବର୍ଷ</p> <p>Photo is Available</p>	RF20817950	<p>330</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 42 ବର୍ଷ</p> <p>Photo is Available</p>	RF20612101	<p>331</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 31 ବର୍ଷ</p> <p>Photo is Available</p>	RF20156791
<p>333</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 29 ବର୍ଷ</p> <p>Photo is Available</p>	RF20811863	<p>334</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 29 ବର୍ଷ</p> <p>Photo is Available</p>	RF20643443	<p>335</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 28 ବର୍ଷ</p> <p>Photo is Available</p>	RF20612199
<p>336</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 27 ବର୍ଷ</p> <p>Photo is Available</p>	RF20052325	<p>337</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 28 ବର୍ଷ</p> <p>Photo is Available</p>	RF21041007	<p>338</p> <p>ନାମ: ଅନୁଷ୍ଠାନ ପ୍ରଧାନ</p> <p>ପଦବୀ: ପ୍ରଧାନ</p> <p>ବୟସ: 23 ବର୍ଷ</p> <p>Photo is Available</p>	OR/21/142/126504

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Date: 03.12.2021

- आपका निहितार्थ की जानकारी -

आपका निहितार्थ की जानकारी के लिए हमें कृपया निम्नलिखित जानकारी प्रदान करें।
 1. आपका नाम : श्री/श्रीमती/श्रीमान [नाम]
 2. आपका पता : [पता]
 3. आपका फोन नंबर : [फोन नंबर]
 4. आपका ईमेल पता : [ईमेल पता]
 5. आपका बैंक खाता नंबर : [खाता नंबर]
 6. आपका बैंक शाखा का नाम : [शाखा नाम]

क्र. सं.	विवरण	आपका नाम	आपका पता	आपका फोन नंबर	आपका ईमेल पता
1	आपका नाम	श्री. [नाम]	[पता]	[फोन नंबर]	[ईमेल पता]
2	आपका पता	[पता]	[फोन नंबर]	[ईमेल पता]	[खाता नंबर]

आपकी जानकारी के लिए हमें कृपया निम्नलिखित जानकारी प्रदान करें।
 1. आपका नाम : श्री/श्रीमती/श्रीमान [नाम]
 2. आपका पता : [पता]
 3. आपका फोन नंबर : [फोन नंबर]
 4. आपका ईमेल पता : [ईमेल पता]
 5. आपका बैंक खाता नंबर : [खाता नंबर]
 6. आपका बैंक शाखा का नाम : [शाखा नाम]



e-mail: ori-ncdc@ncl.co.in

ପଞ୍ଚାୟତ ସମିତି କାର୍ଯ୍ୟାଳୟ, ଯୋଡା

ଯୋଡା-୭୫୮୦୩୪, ଜିଲ୍ଲା-କେନ୍ଦୁଝର

ପତ୍ର ସଂଖ୍ୟା...୨୦୨୦୩, ତାରିଖ...୦୯.୦୯.୨୦୨୧

ପାଠକଙ୍କୁ

ସରପଞ୍ଚ ଗୁଆଳି ଏବଂ ଲଇତାପଡା ଗ୍ରାମପଞ୍ଚାୟତ
ପା-ଗୁଆଳି

ବିଷୟ :

M/s Odisha Mining Corporation Limited (OMC Ltd.) କି ଦ୍ୱାରା ଗୁଆଳି ଏବଂ ଲଇତାପଡା ପଞ୍ଚାୟତ ଅଧିକାରୀ ଗୁଆଳି, କୁନ୍ଦୁରପଡା, ପାଣ୍ଡୁନିପୋଣି, ଗୁଗୁଡ଼ି, ଡୋପାଡ଼ିଡ଼ି, ସିଧମନ ରିଜର୍ଭ ପ୍ରକଳ୍ପରେ ଠାରେ ଲୋଡ଼ା ଖଣି ଖନନ ନିମନ୍ତେ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଜନତା ଓ ଅନ୍ୟାନ୍ୟ ପାରିଶାସିକ ବନବାସୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାରୀ ସ୍ୱାଭୂତି) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ପ୍ରମାଣ ପତ୍ର ପ୍ରାପ୍ତ ନିମ୍ନଲିଖିତ ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁମୋଦନ ସମ୍ବନ୍ଧେ ।

ପ୍ରସଙ୍ଗ :

PA, ITDA, Keonjhar କି ପତ୍ର ସଂଖ୍ୟା ୧୫୫୫/ITDA(K), ତାରିଖ ୧୬-୦୮-୨୦୨୧

ମହାଶୟ/ମହାଶୟା

ମାନ୍ୟତା ସମ୍ବଳିତ ଆଦିବାସୀ ଉନ୍ନୟନ ସଂସ୍ଥା, କେନ୍ଦୁଝର କି ଅନୁରୋଧ କ୍ରମେ ଜଣାଇବାକୁ ବାସ୍ତବିକ M/s OMC ଗୁଆଳି ଏବଂ ଲଇତାପଡା ପଞ୍ଚାୟତ ଅଧିକାରୀ ଗୁଆଳି, କୁନ୍ଦୁରପଡା, ପାଣ୍ଡୁନିପୋଣି, ଗୁଗୁଡ଼ି, ଡୋପାଡ଼ିଡ଼ି, ସିଧମନ ରିଜର୍ଭ ପ୍ରକଳ୍ପରେ ମାଲିକାନା କାର୍ଯ୍ୟ ଆରମ୍ଭ ନିମନ୍ତେ ନିମ୍ନ ପଦ୍ଧତି ମରେ ନୋଟ ୩୩୨-୧୦୦ ହେକ୍ଟର ଜମିକୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ପାଇଁ ଆବେଦନ କରି ଅଛନ୍ତି । ଜନତା ଓ ଅନ୍ୟାନ୍ୟ ପାରିଶାସିକ ବନବାସୀଙ୍କ (ଜଙ୍ଗଲ ଅଧିକାରୀ ସ୍ୱାଭୂତି) ନିୟମ ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ସଂପୃକ୍ତ ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରସ୍ତାବିତ ଜମିର ବିସମ ପରିବର୍ତ୍ତନ ଉପରେ ସେମାନଙ୍କ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ଓ ତାହା ସାବ୍ୟସ୍ତ ହେବା ଅପରାଧ ଅବସ୍ଥିତ ଜମିରୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର ପାଇଁ ନିଷିଦ୍ଧି ନିଆଯାଇପାରିବ । ଏହୁ ୧୫ ଦିନିଆ ପାଇଁ ନୋଟିସ ଦେଇ ତୁରନ୍ତ ଗ୍ରାମପଞ୍ଚାୟତ ଦ୍ୱାରା ଉକ୍ତ ଜମିରୁ ଅଣ-ଜଙ୍ଗଲ ଜମିରେ ପରିବର୍ତ୍ତନ ପୂର୍ବକ ଗ୍ରାମବାସୀ ତଥା ପଞ୍ଚାୟତ ମାନଙ୍କର ସ୍ୱାଭାବ ପତ୍ର ପ୍ରାପ୍ତ ଅନୁମୋଦନ କ୍ରମେ ଗ୍ରାମପଞ୍ଚାୟତ କାର୍ଯ୍ୟକ୍ରମକୁ ଦୃଷ୍ୟ ସାଧ୍ୟ (video copy) ପ୍ରସ୍ତୁତ କରିବେ ଓ ଅତ୍ତ କାର୍ଯ୍ୟକ୍ରମ, ତଥା ଗୋଟି ଉପର ଅଧିକାରୀ, ଯୋଡା ଏବଂ ଚତୁର୍ଥମତର ବଚସିଲଙ୍କ ଗୋଚରୀରେ ପଠାଇ କରିବେ ।

ଅନୁପାଳନୀୟ ନିର୍ଦ୍ଦେଶାବଳୀ

- ୧) ଉକ୍ତ କର୍ତ୍ତୃପକ୍ଷଙ୍କ ପରାମର୍ଶ ବାଣୀ ଗ୍ରାମପଞ୍ଚାୟତ ତାରିଖ ଓ ସ୍ଥାନ, ସମୟ ନିର୍ଦ୍ଦେଶାବଳୀ କରିବେ ଓ ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁକୃତ ହେବାର ସମ୍ପର୍କ ପୂର୍ବରୁ ତଦୁପସ୍ଥିତ, ଥାନା ଓ ପ୍ରକଳ୍ପ ଲୋକ କାର୍ଯ୍ୟାଳୟକୁ ପ୍ରଦାନ କରନ୍ତେ ।
- ୨) ଗ୍ରାମପଞ୍ଚାୟତ ନୋଟିସ ସମ୍ପର୍କ ପୂର୍ବରୁ ସଂପୃକ୍ତ ଗ୍ରାମ ଓ ବର୍ତ୍ତମାନଙ୍କୁ ପଠାଇ କରିବେ ।
- ୩) ସଂପୃକ୍ତ ସରପଞ୍ଚ ଗ୍ରାମପଞ୍ଚାୟତ ସ୍ଥାନ, ତାରିଖ ଓ ସମୟ ତାଙ୍କର ନିଜ ପୁରା ବସ୍ତୁ ଉପରେ ପ୍ରଭାବ କରିବେ ।
- ୪) ଗ୍ରାମ ପଞ୍ଚାୟତ ଲୋକ ଓ ଉଦ୍ଦେଶ୍ୟ ବିଶେଷ ଭାବେ ଆଲୋଚନା କରିବେ ଓ ଏହାର ଭିତ୍ତି ଉପରେ ପ୍ରସ୍ତୁତ କରିବେ ।
- ୫) ପଞ୍ଚାୟତ ନିର୍ବାହୀ ଅଧିକାରୀ ଗ୍ରାମପଞ୍ଚାୟତ ନିର୍ଦ୍ଦେଶାବଳୀକୁ ସମାଧିପି ଲିପିବଦ୍ଧ କରିବେ ଓ ତାଙ୍କର ନିଜ ପୁରା ଏହା ପଠାଇ କରିବେ । ଉପସ୍ଥିତ ଗ୍ରାମବାସୀ ଓ ବିଭାଗୀୟ ଅଧିକାରୀ ମାନଙ୍କର ସ୍ୱାଭାବ ନିର୍ଦ୍ଦେଶାବଳୀ ପ୍ରକ୍ରିୟାରେ ଗ୍ରହଣ କରାଯିବ ।

୨) ଗ୍ରା-ପ- ପରପଞ୍ଚ ଗ୍ରାମପଞ୍ଚାୟତ ସ୍ତରରେ ଶିତଳ ଛାୟା, ପାନୀୟ ଜଳ ଓ ଗ୍ରାମବାସୀ ମାନଙ୍କର ବସିବା ନିମନ୍ତେ ଆସନ ବ୍ୟବସ୍ଥା ସୁନିଶ୍ଚିତ କରିବେ । ଗ୍ରାମପଞ୍ଚାୟତ ପ୍ରାରମ୍ଭ ରେ ଜନଜାତି ଓ ଅନ୍ୟାନ୍ୟ ପାରମ୍ପାରିକ ବନବାସୀଙ୍କର (ଜଙ୍ଗଲ ଅଧିକାର ସ୍ୱୀକୃତି) ନିୟମ, ୨୦୦୬ ଓ ସଂଶୋଧନ ନିୟମ ୨୦୧୨ ପ୍ରକାରେ ବ୍ୟକ୍ତିଗତ ଓ ଗୋଟାଗତ ଅଧିକାର ସାବ୍ୟସ୍ତ ପାଇଁ ସଂପୃକ୍ତ ଗ୍ରାମରେ କେତେଗୋଟି ଦରଖାସ୍ତ ପ୍ରାପ୍ତ ହୋଇଅଛି ଓ ତଦୁପରେ କେତେଗୋଟି ଦରଖାସ୍ତ ଫାଇନାଲ୍ ପୂର୍ବକ ସ୍ୱୀକୃତି ପତ ଦିଆଯାଇଅଛି ତାହାର ଏକ ବିସ୍ତୃତ ବିବରଣୀ ଲିପିବଦ୍ଧ କରିବେ ଓ ସର୍ବଶେଷରେ ସଭା ବିବରଣୀର ପ୍ରାମାଣୀତ ନକଲ ଛାନ୍ଦାୟ ବୁକ୍ ବାର୍ଯ୍ୟାକ୍ରମ ଓ ତଦୁପରିଲ କାର୍ଯ୍ୟକ୍ରମକୁ ପରବର୍ତ୍ତୀ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ନିମନ୍ତେ ପ୍ରେରଣ କରିବେ ।

ଏତଦଭିନ୍ନ ଆପଣଙ୍କୁ ଜଣାଇଦିଆଯାଉଛି କି ସଂପୃକ୍ତ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ସଭାପତି/ ସମ୍ପାଦକ ଓ ସଦସ୍ୟ-ସଦସ୍ୟାମାନଙ୍କୁ ଜଣାଇଦେବି ଯେମାନେ ଉକ୍ତ ଗ୍ରାମପଞ୍ଚାୟତ ଅନୁଷ୍ଠିତ ହେବା ପୂର୍ବରୁ ଏକ ସ୍ୱତନ୍ତ୍ର ବୈଠକ କରିବେ ଓ ପ୍ରସ୍ତାବିତ ଜଙ୍ଗଲ ଜମିର ଅଣଫଲ୍ଲ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା ନିମନ୍ତେ M/s OMC କର୍ତ୍ତୃପକ୍ଷଙ୍କ ଦ୍ୱାରା କରାଯାଇଥିବା ଆବେଦନ ଉପରେ ସେମାନଙ୍କର ମତାମତ ଉପସ୍ଥାପନ କରିବେ । ଗ୍ରାମପଞ୍ଚାୟତ ନିର୍ଦ୍ଧାରିତ ରେଜିଷ୍ଟର ଓ ଜଙ୍ଗଲ ଅଧିକାର କମିଟିର ରେଜିଷ୍ଟର ସଭାପତିଙ୍କ ପ୍ରତିସ୍ୱାକ୍ଷର ସହ ଉପରୋକ୍ତ ମତେ ଅବିଳମ୍ବେ ଦାଖଲ କରିବେ । ପ୍ରଯୋଜିତ ଗ୍ରାମପଞ୍ଚାୟତ ସଂପୃକ୍ତ ଗ୍ରାମର ଭୂମି ସଭ୍ୟ/ସଭ୍ୟା ସଭାପତିତ୍ୱ କରିବେ ଓ ଗ୍ରାମ୍ୟ ଜଙ୍ଗଲ ଅଧିକାରୀ କମିଟିର ସଭ୍ୟ/ସଭ୍ୟା ମାନେ ଉପସ୍ଥିତ ହୋଇ ଗ୍ରାମବାସୀମାନଙ୍କ ସହିତ ସେମାନଙ୍କ ନିରପେକ୍ଷ ମତାମତ ଉପସ୍ଥାପନ କରିବେ ।

କିସମ ପରିବର୍ତ୍ତନ ହେବାକୁ ଥିବା ଜମିର ତତ୍ତ୍ୱିଲ

Sl. No.	Name of the Village	Name of the Gram Panchayat	Area in Ha
01	Laharpada	Laidapada	3.372
02	Rugudi		4.990
03	Topadihi		177.663
04	Guali	Guali	57.364
05	Pandulipasi		58.054
06	Sidhamatha R.F.	Sidhamatha R.F.	30.657
	Total Area (Ha)		332.100

ଆପଣଙ୍କ ବିଶ୍ୱସ୍ତ

(Signature)

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା
Block Development Office,
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୪... / ତା... ୦୧.୦୧.୨୦୨୧

ଏହାର ଏକାକିତା ନକଲ ପି-ଏ-ଆ-ଡି-ଡି-ଏ ତଥା ଜିଲ୍ଲା ଲୋଡାଲ ଅଧିକାରୀ, ଜିଲ୍ଲା ଜଙ୍ଗଲ ଅଧିକାରୀ କମିଟି, କେନ୍ଦୁଝରଙ୍କ ଅବଗତ ନିମନ୍ତେ କରାଗଲା ।

(Signature)

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୫... / ତା... ୦୧.୦୧.୨୦୨୧

ଏହାର ଏକାକିତା ନକଲ ତଦ୍ୱିଲଦାର ବତବିଲଙ୍କ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

Block Development Office,
Joda, Keonjhar

ପରିପତ୍ର ସଂଖ୍ୟା... ୨୭୪୬... / ତା... ୦୧.୦୧.୨୦୨୧

ଏହାର ଏକାକିତା ନକଲ Executive Director (F&E), Odisha Mining Block Development Office Ltd. କୁ ଅବଗତ ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା ।

Block Development Office,
Joda, Keonjhar

(Signature)

ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀ, ଯୋଡା
Block Development Office,
Joda, Keonjhar

**LAND SCHEDULE OVER 332,100 HA. OF FOREST AREA PROPOSED FOR
DIVERSION PERTAINING TO GUALI ML AREA (328,258 HA.) OF M/S O.M.C. LTD.**

Name of the village	Plot No.	Khata No.	Khasam (After 25.10.1980)	Khasam (Before 25.10.1980)	RoR Area (in Acres)	DGPS Area (in Ha)	Remarks
Sidhamatha R.F.					75.755	30.657Ha.	
Guan	1	175	Jungle	Jungle	26.500	7.812	Revenue Forest
	1/503	175	Jungle	Jungle	10.050	4.151	
	1/514	175	Jungle	Jungle	26.000	9.184	
	1/516	175	Jungle	Jungle	10.084	4.081	
	1/519	175	Jungle	Jungle	26.200	11.147	
	1/520	175	Jungle	Jungle	23.500	10.921	
	1/522	175	Jungle	Jungle	7.562	3.060	
				Sub-Total	50.356		
	1/525	175	Gochar	Jungle	17.327	7.008	Sabik Forest
Total					341.213Ac	57.364	
Laharapada	1	67	patla	Jungle	0.550	0.263	Sabik Forest
	118	65	Adi	Jungle	0.180	0.007	
	119	67	patla	Jungle	2.790	1.172	
	120	67	Taila-I	Jungle	0.118	0.048	
	127	65	Gochara	Jungle	0.500	0.254	
	2	67	Patla	Jungle	0.180	0.054	
	223	65	Sarba Sardharan	Jungle	1.330	0.704	
	224	65	Sarba Sardharan	Jungle	0.536	0.277	
	3/386	67	Taila-I	Jungle	0.100	0.043	
	4/387	67	Taila-I	Jungle	0.060	0.049	
	389	175	Taila-I	Jungle	0.130	0.053	
	126/396	67	Taila-I	Jungle	0.086	0.035	
	154/401	65	Gochara	Jungle	0.190	0.073	
	217/467	1	Nayanjori	Jungle	0.326	0.132	
	139/473	65	Gochara	Jungle	0.520	0.268	
				Sub-Total	7.596 Ac	3.372	
Panduripasi	104	73	Jungle	Patla	24.740	9.761	Revenue Forest
	3	71	Jungle		26.386	10.678	
	3/300	71	Jungle		48.936	19.561	
	3/301	71	Jungle		7.799	3.156	
				Sub-Total	107.261	43.158	
	105	73	Taila-I	Unsurveyed	0.248	0.100	Unsurveyed land treated as forest by DFO, Keonjhar
	108	73	Taila-I	Unsurveyed	0.640	0.249	
	104/298	71	Basli Yogyo	Unsurveyed	3.720	1.657	
	104/403	71	Unnala Jajana yogyo	Unsurveyed	3.460	0.899	
	104/404	71	Unnala Jajana yogyo	Unsurveyed	5.000	2.115	
	104/405	71	Unnala Jajana yogyo	Unsurveyed	5.000	2.045	
	104/406	71	Unnala Jajana yogyo	Unsurveyed	4.827	1.953	
	105	73	Taila-I	Unsurveyed	0.248	0.100	
				Sub-Total	22.895	9.118	
	26	25	Taila-II	Jungle	0.191	0.077	
77	25	Taila-II	Jungle	0.079	0.032		
30	62	Sarada-II	Jungle	0.316	0.007		
3/308	25	Taila-I	Jungle	1.200	0.490		
31	62	Sarada-II	Jungle	0.196	0.079		
33	62	Taila-I	Jungle	0.298	0.121		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAN
BARBIL

Name of the village	Plot No.	Khata No.	Assam (After 25.10.1960)	Kacam (Before 25.10.1960)	Area (In Acres)	DGPS Area (in Ha)	Remarks	
Pandulipast	34	62	Bali	Jungle	0.101	0.041	Sabik Forest	
	3/349	62	Taila-I	Jungle	0.271	0.110		
	3/350	23	Taila-I	Jungle	0.100	0.039		
	3/351	6	Taila-I	Jungle	0.370	0.138		
	3/352	42	Taila-I	Jungle	0.700	0.266		
	3/353	22	Taila-I	Jungle	0.520	0.222		
	3/354	25	Taila-I	Jungle	0.550	0.214		
	3/355	18	Taila-I	Jungle	0.550	0.234		
	3/356	19	Taila-I	Jungle	0.500	0.216		
	3/358	2	Taila-I	Jungle	0.500	0.194		
	3/359	38	Taila-I	Jungle	0.500	0.214		
	3/360	52	Taila-I	Jungle	0.600	0.237		
	3/361	68/34	Taila-I	Jungle	0.600	0.255		
	3/362	37	Taila-I	Jungle	0.680	0.279		
	3/363	27	Taila-I	Jungle	1.200	0.473		
	104/364	23	Taila-I	Jungle	1.360	0.964		
	104/365	36	Taila-I	Jungle	1.100	0.453		
	104/366	17	Taila-I	Jungle	0.500	0.226		
	104/367	6	Taila-I	Jungle	0.200	0.091		
	55	71	Rasta	Jungle	0.356	0.144		
Sub-Total					14.238 Ac	5.778		
Total					107.261	58.054		
Rugudi Dahi	137	74	Sarada-III	Jungle	0.118	0.048	Sabik Forest	
	138	74	Patita	Jungle	0.050	0.024		
	139	74	Taila-I	Jungle	0.618	0.250		
	140	74	Sarada-I	Jungle	0.006	0.002		
	Sub Total					0.802	0.324	
	1/452	72	Granya Jungle	Jungle	3.717	1.504	Revenue Forest	
	1/609	72	Jungle	Jungle	6.780	2.531		
	1/610	72	Granya Jungle	Jungle	1.559	0.631		
Sub Total					12.056	4.666		
Total					12.858 Ac	5.2034ha		
Tapadidi	1	126	patra	Jungle	2.740	1.136	Sabik Forest	
	10	126	Taila-II	Jungle	0.870	0.361		
Tapadidi	100	126	Taila-I	Jungle	0.490	0.197	Sabik Forest	
	101	126	Taila-I	Jungle	0.380	0.151		
	104	126	Taila-I	Jungle	0.990	0.374		
	105	126	Taila-I	Jungle	0.290	0.113		
	106	126	Taila-I	Jungle	0.060	0.023		
	107	126	Taila-I	Jungle	0.410	0.150		
	108	124	Rasta	Jungle	0.380	0.151		
	11	126	patita	Jungle	0.190	0.079		
	111	127	Nala	Jungle	3.810	1.713		
	112	43	Taila-I	Jungle	0.580	0.277		
	115	124	Gochara	Jungle	12.228	4.945		
	118	124	Rasta	Jungle	0.440	0.190		
	12	126	Taila-II	Jungle	1.700	0.705		
	122	127	Nala	Jungle	0.500	0.220		
	123	119/17	Taila-I	Jungle	0.637	0.258		

Revenue Inspector
Bhadrasahi

REVENUE INSPECTOR
BHADRASAHU

TAMHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (After 25.10.1980)	Kisam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
	124	124	Rasta	Jungle	0.380	0.161	
	125	124	Patta	Jungle	0.210	0.109	
	126	124	Rasta	Jungle	0.080	0.040	
	127	126	patla	Jungle	2.540	1.060	
	128	124	Gharbari	Jungle	0.040	0.013	
	129	124	Gharbari	Jungle	0.970	0.400	
	13	126	Taila-II	Jungle	1.180	0.487	
	130	124	Gharbari	Jungle	0.040	0.015	
	131	124	Rasta	Jungle	0.088	0.036	
	132	124	patla	Jungle	0.091	0.037	
	133	124	Rasta	Jungle	0.037	0.015	
	134	34	Taila-II	Jungle	0.231	0.094	
	135	70	Taila-I	Jungle	0.026	0.010	
	136	70	Gharbari	Jungle	0.048	0.019	
	138	70	Taila-I	Jungle	0.026	0.011	
	139	70	Gharbari	Jungle	0.075	0.030	
	15	126	Mahara	Jungle	1.002	0.406	
	16	126	patla	Jungle	1.667	0.675	
	17	119/2	karakhana	Jungle	1.360	0.519	
	18	119/2	karakhana	Jungle	0.740	0.328	
	2	126	patla	Jungle	1.410	0.563	
	24	126	patla	Jungle	0.730	0.305	
	28	126	Taila-II	Jungle	1.130	0.444	
	29	126	Taila-II	Jungle	0.770	0.305	
	3	126	patla	Jungle	1.740	0.715	
	30	119/2	karakhana	Jungle	1.840	0.729	
	8/307	126	Taila-II	Jungle	0.540	0.205	
	13/308	119/13	karakhana	Jungle	0.54	0.223	
	31	119/2	karakhana	Jungle	1.830	0.744	
	17/310	119/13	karakhana	Jungle	0.900	0.363	
	18/317	126	Taila-I	Jungle	0.690	0.279	
	31/313	126	Biali	Jungle	1.200	0.485	
	32/314	119/2	karakhana	Jungle	0.880	0.365	
	34/315	126	Biali	Jungle	1.250	0.498	
	47/316	119/13	karakhana	Jungle	1.700	0.697	
	53/317	126	Sarada-I	Jungle	0.320	0.131	
	55/318	126	patla	Jungle	0.260	0.111	
	92	126	Taila-I	Jungle	1.000	0.403	
	58/320	126	Taila-II	Jungle	0.480	0.184	
	58/321	126	Taila-II	Jungle	0.700	0.272	
	58/322	126	Taila-II	Jungle	0.300	0.129	
	58/323	126	Taila-I	Jungle	0.850	0.370	
	58/324	126	patla	Jungle	1.000	0.391	
	58/325	78	Taila-I	Jungle	1.000	0.401	
	58/326	126	Taila-II	Jungle	0.660	0.273	
	59/327	78	Taila-I	Jungle	0.960	0.375	
	73/328	300	Taila-I	Jungle	0.490	0.202	
	44/329	72	Taila-II	Jungle	0.040	0.008	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAMI

TAHASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Nizam (After 25.10.1980)	Nizam (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	33	126	Taika-II	Jungle	1.530	0.614	Sablo Forest
	44/330	34	Taika-II	Jungle	0.040	0.011	
	44/331	72	Patita	Jungle	0.040	0.012	
	44/332	56	patita	Jungle	0.040	0.012	
	44/333	20	patita	Jungle	0.040	0.010	
	44/334	106	Taika-II	Jungle	0.040	0.012	
	80/335	74	Taika-II	Jungle	0.040	0.012	
	80/336	59	Taika-II	Jungle	0.040	0.011	
	80/337	100	Taika-II	Jungle	0.040	0.011	
	80/338	39	patita	Jungle	0.040	0.011	
	80/339	126	patita	Jungle	0.056	0.018	
	34	119/2	Karakhana	Jungle	0.470	0.623	
	80/340	109	Taika-II	Jungle	0.040	0.015	
	80/341	91	Taika-II	Jungle	0.040	0.012	
	80/342	14	patita	Jungle	0.040	0.014	
	80/343	2	patita	Jungle	0.040	0.015	
	80/344	50	patita	Jungle	0.040	0.014	
	80/345	42	patita	Jungle	0.040	0.014	
	80/346	30	Taika-II	Jungle	0.040	0.014	
	78/347	85	Taika-II	Jungle	0.040	0.017	
	80/348	126	patita	Jungle	0.146	0.041	
	80/349	60	patita	Jungle	0.040	0.016	
	35	119/2	Karakhana	Jungle	1.180	0.477	
	80/350	36	patita	Jungle	0.040	0.015	
	80/351	8	Patita	Jungle	0.040	0.014	
	80/352	30	patita	Jungle	0.040	0.016	
	80/353	1	patita	Jungle	0.040	0.016	
	80/354	97	Taika-II	Jungle	0.040	0.014	
	80/355	67	Taika-II	Jungle	0.040	0.015	
	80/356	81	Taika-II	Jungle	0.040	0.015	
	78/357	118	Taika-II	Jungle	0.040	0.017	
	80/359	126	patita	Jungle	0.040	0.016	
	36	119/2	Karakhana	Jungle	2.100	0.826	
	80/360	126	patita	Jungle	0.040	0.016	
	80/361	126	patita	Jungle	0.040	0.014	
	80/362	126	patita	Jungle	0.040	0.017	
	80/363	126	patita	Jungle	0.040	0.015	
	80/364	31	patita	Jungle	0.040	0.015	
	80/365	1	patita	Jungle	0.040	0.016	
	80/366	59	patita	Jungle	0.040	0.017	
	80/367	126	patita	Jungle	0.180	0.061	
	85/368	126	patita	Jungle	0.040	0.016	
	85/369	126	patita	Jungle	0.040	0.016	
	37	126	Taika-I	Jungle	1.880	0.742	
	85/370	126	patita	Jungle	0.040	0.017	
	85/371	126	patita	Jungle	0.040	0.016	
	85/372	126	patita	Jungle	0.040	0.015	
	85/373	126	patita	Jungle	0.040	0.016	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAH

TANASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Bisam (After 25.10.1980)	Kasam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapabidi	85/374	126	patita	Jungle	0.040	0.015	Sabik Forest
	85/375	126	patita	Jungle	0.040	0.019	
	85/376	126	patita	Jungle	0.040	0.015	
	85/377	126	patita	Jungle	0.040	0.013	
	85/378	126	patita	Jungle	0.040	0.016	
	85/379	126	patita	Jungle	0.040	0.013	
	85/380	126	patita	Jungle	0.910	0.353	
	85/381	126	patita	Jungle	0.040	0.016	
	85/382	126	patita	Jungle	0.040	0.013	
	85/383	126	patita	Jungle	0.040	0.015	
	85/384	126	patita	Jungle	0.040	0.014	
	85/385	126	patita	Jungle	0.040	0.015	
	80/386	126	patita	Jungle	0.150	0.07	
	80/387	126	patita	Jungle	0.020	0.044	
	81/388	104	Fails-II	Jungle	0.040	0.011	
	81/389	7	patita	Jungle	0.040	0.016	
	81/390	126	patita	Jungle	1.720	0.716	
	81/391	92	Talia-II	Jungle	0.040	0.014	
	81/392	117	Fails-III	Jungle	0.040	0.016	
	81/393	101	Fails-III	Jungle	0.040	0.015	
	81/394	9	patita	Jungle	0.040	0.015	
	81/394	82	Talia-II	Jungle	0.040	0.015	
	80/395	109	Talia-II	Jungle	0.040	0.016	
	80/396	119	Talia-II	Jungle	0.040	0.016	
	80/397	105	Talia-II	Jungle	0.040	0.016	
	80/398	89	Talia-II	Jungle	0.040	0.014	
	80/399	53	patita	Jungle	0.040	0.014	
	80/400	126	patita	Jungle	2.840	1.158	
	80/400	126	patita	Jungle	1.400	0.547	
	81/401	57	patita	Jungle	0.040	0.016	
	81/401	54	patita	Jungle	0.040	0.014	
	81/402	23	patita	Jungle	0.040	0.015	
	81/403	15	patita	Jungle	0.040	0.014	
	81/404	116	Talia-II	Jungle	0.040	0.016	
	81/405	108	Talia-II	Jungle	0.040	0.015	
	81/406	13	patita	Jungle	0.040	0.017	
	81/407	95	Talia-II	Jungle	0.040	0.017	
	81/408	126	patita	Jungle	0.180	0.069	
	81/409	126	patita	Jungle	0.040	0.013	
	81/410	126	patita	Jungle	0.330	0.114	
	81/410	41	Gharbari	Jungle	0.040	0.016	
	81/411	126	patita	Jungle	0.040	0.017	
	81/412	126	patita	Jungle	0.040	0.015	
	81/413	126	patita	Jungle	0.040	0.018	
	81/414	125	patita	Jungle	0.040	0.015	
	81/415	126	patita	Jungle	0.040	0.017	
	85/416	126	patita	Jungle	0.040	0.017	
	85/417	126	Patita	Jungle	0.040	0.018	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAMI

TAKASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	85/418	126	patita	Jungle	0.040	0.016	Sabik Forest
	85/419	126	patita	Jungle	0.040	0.012	
	42	126	patita	Jungle	0.880	0.352	
	85/420	126	patita	Jungle	0.040	0.014	
	81/421	126	patita	Jungle	0.040	0.013	
	81/422	126	patita	Jungle	0.040	0.013	
	81/423	126	patita	Jungle	0.040	0.012	
	81/424	126	Patita	Jungle	0.040	0.014	
	81/425	126	Patita	Jungle	0.040	0.012	
	81/426	126	patita	Jungle	0.040	0.014	
	81/427	17	patita	Jungle	0.040	0.013	
	81/428	126	patita	Jungle	0.040	0.011	
	82/429	126	patita	Jungle	0.500	0.159	
	43	126	patita	Jungle	2.020	0.839	
	85/431	126	patita	Jungle	0.040	0.016	
	85/432	126	patita	Jungle	0.040	0.015	
	85/433	126	patita	Jungle	0.040	0.014	
	85/434	126	patita	Jungle	0.040	0.013	
	85/435	126	patita	Jungle	0.040	0.014	
	85/438	126	Patita	Jungle	0.040	0.016	
	44	126	Patita	Jungle	8.060	3.283	
	82/440	126	Patita	Jungle	0.080	0.037	
	82/443	126	Patita	Jungle	0.040	0.016	
	82/444	126	Patita	Jungle	0.040	0.016	
	82/445	126	Patita	Jungle	0.040	0.014	
	82/446	126	Patita	Jungle	0.400	0.121	
	82/447	126	Patita	Jungle	0.040	0.014	
	82/448	126	Patita	Jungle	0.040	0.016	
	82/449	126	Patita	Jungle	0.040	0.018	
	45	126	Taila-II	Jungle	4.010	1.647	
	82/450	126	Patita	Jungle	0.040	0.017	
	82/451	126	Patita	Jungle	0.040	0.018	
	82/452	126	Patita	Jungle	0.040	0.017	
	85/453	126	Patita	Jungle	0.040	0.017	
	85/454	126	Patita	Jungle	0.040	0.016	
	85/455	126	Patita	Jungle	0.040	0.018	
	86/456	126	Patita	Jungle	0.040	0.018	
	85/457	126	Patita	Jungle	0.040	0.014	
	85/458	126	Patita	Jungle	0.040	0.015	
	85/459	126	Patita	Jungle	0.040	0.014	
	46	126	Taila-II	Jungle	1.520	0.639	
	85/460	126	Patita	Jungle	0.040	0.014	
	82/461	126	Patita	Jungle	0.040	0.015	
	82/462	126	Patita	Jungle	0.040	0.013	
	82/463	126	Patita	Jungle	0.040	0.014	
	82/464	126	Patita	Jungle	0.040	0.015	
82/465	126	Patita	Jungle	0.040	0.013		
82/466	126	Patita	Jungle	0.040	0.012		
84/467	126	Patita	Jungle	0.040	0.015		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TAKASILDAR
BARBIL

Name of the village	Plot No.	Khata No.	Kusam (After 25.10.1980)	Kusam (Before 25.10.1980)	Area (In Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	84/466	126	Patita	Jungle	0.040	0.013	Sabit Forest
	84/469	126	Patita	Jungle	0.040	0.014	
	47	126	Talla-i	Jungle	1.100	0.448	
	84/470	126	Patita	Jungle	0.040	0.014	
	84/471	126	Patita	Jungle	0.040	0.013	
	82/472	126	Patita	Jungle	0.040	0.014	
	82/473	126	Patita	Jungle	0.040	0.015	
	82/474	126	Patita	Jungle	0.040	0.014	
	82/475	176	Patita	Jungle	0.040	0.015	
	82/476	126	Patita	Jungle	0.040	0.013	
	83/477	52	Patita	Jungle	0.040	0.013	
	83/478	12	Patita	Jungle	0.040	0.016	
	83/479	5	Talla-i	Jungle	0.040	0.016	
	48	119/13	Karakhana	Jungle	0.190	0.073	
	82/480	48	Patita	Jungle	0.040	0.015	
	82/481	36	Talla-II	Jungle	0.040	0.016	
	84/482	36	Patita	Jungle	0.040	0.015	
	84/483	39	Talla-II	Jungle	0.040	0.015	
	84/484	126	Patita	Jungle	0.040	0.018	
	84/485	126	Patita	Jungle	0.040	0.015	
	84/486	29	Talla-II	Jungle	0.040	0.017	
	83/487	6	Patita	Jungle	0.040	0.019	
	83/488	32	Patita	Jungle	0.040	0.024	
	83/489	5	Patita	Jungle	0.040	0.019	
	49	51	Biali	Jungle	1.440	0.562	
	83/490	33	Talla-k	Jungle	0.040	0.023	
	83/491	21	Patita	Jungle	0.040	0.018	
	83/492	38	Talla-II	Jungle	0.040	0.021	
	83/493	33	Talla-II	Jungle	0.040	0.019	
	84/494	36	Patita	Jungle	0.040	0.021	
	86/497	116	Patita	Jungle	0.200	0.082	
	86/498	126	Patita	Jungle	0.040	0.017	
	86/499	126	Patita	Jungle	0.040	0.017	
	5	126	Patita	Jungle	0.080	0.029	
	50	119/2	Karakhana	Jungle	0.580	0.225	
	86/500	126	Patita	Jungle	0.040	0.016	
	86/501	126	Patita	Jungle	0.040	0.016	
	86/502	126	Patita	Jungle	0.040	0.015	
	86/503	126	Patita	Jungle	0.040	0.016	
	86/504	126	Patita	Jungle	0.040	0.017	
	89/505	126	Patita	Jungle	0.040	0.015	
	89/506	126	Patita	Jungle	0.040	0.015	
	89/507	126	Patita	Jungle	0.040	0.016	
	89/508	126	Patita	Jungle	0.040	0.014	
	89/509	126	Patita	Jungle	0.040	0.016	
	51	119/2	Karakhana	Jungle	0.360	0.142	
	86/510	126	Patita	Jungle	0.040	0.015	
	86/511	126	Patita	Jungle	0.040	0.014	
	86/512	126	Patita	Jungle	0.040	0.015	

Forest Range Officer
BARBIL

REVENUE INSPECTOR
DIAURASAH

TANASILDAN
BARBIL

Name of the village	Plot No.	Khata No.	Kosam (After 25.10.1900)	Kosam (Before 25.10.1900)	Area (In Acres)	DGPS Area (In Ha)	Remarks
Tapakdi	86/513	126	Patita	Jungle	0.040	0.015	Sabik Forest
	86/514	126	Patita	Jungle	0.040	0.015	
	86/515	126	Patita	Jungle	0.040	0.015	
	86/516	126	Patita	Jungle	0.180	0.052	
	87/517	126	Patita	Jungle	0.040	0.019	
	87/518	126	Patita	Jungle	0.040	0.016	
	87/519	126	Patita	Jungle	0.040	0.015	
	52	119/2	Karakhana	Jungle	0.590	0.238	
	86/520	126	Patita	Jungle	0.040	0.015	
	86/521	126	Patita	Jungle	0.040	0.015	
	86/522	126	Patita	Jungle	0.040	0.017	
	86/523	126	Patita	Jungle	0.040	0.015	
	86/524	126	Patita	Jungle	0.040	0.015	
	53	119/2	Karakhana	Jungle	0.990	0.402	
	86/530	126	Patita	Jungle	0.040	0.014	
	87/531	126	Patita	Jungle	0.040	0.014	
	87/532	126	Patita	Jungle	0.040	0.016	
	87/533	126	Patita	Jungle	0.040	0.019	
	86/534	126	Patita	Jungle	0.180	0.048	
	54	126	Taila-II	Jungle	0.200	0.47	
	80/544	126	Patita	Jungle	0.600	0.238	
	80/545	126	Taila-II	Jungle	0.420	0.166	
	80/546	126	Taila-II	Jungle	0.470	0.186	
	82/547	126	Patita	Jungle	1.000	0.392	
	86/548	126	Patita	Jungle	0.540	0.225	
	82/549	76	Taila-I	Jungle	0.750	0.336	
	85	126	Taila-II	Jungle	0.870	0.353	
	108/550	25	Taila-II	Jungle	0.240	0.191	
	109/551	126	Taila-I	Jungle	0.380	0.154	
	112/552	25	Taila-II	Jungle	0.280	0.11	
	115/554	93	Taila-II	Jungle	0.210	0.085	
	120/558	124	Rasta	Jungle	0.138	0.056	
	56	119/12	Karakhana	Jungle	1.240	0.506	
	121/560	124	Patita	Jungle	0.219	0.089	
	121/561	126	Patita	Jungle	0.120	0.048	
	122/562	124	Nala	Jungle	0.176	0.071	
	123/565	119/17	Taila-I	Jungle	0.090	0.197	
	124/566	124	Rasta	Jungle	0.137	0.056	
	127/567	124	Patita	Jungle	0.467	0.189	
	57	119/12	Karakhana	Jungle	0.760	0.287	
	134/571	126	Patita	Jungle	2.300	0.935	
	58	119/2	Karakhana	Jungle	1.300	0.538	
	134/580	126	Patita	Jungle	8.690	2.153	
	134/582	100	Taila	Jungle	0.300	0.106	
	134/583	69	Taila	Jungle	0.120	0.058	
134/584	94	Taila	Jungle	0.200	0.086		
134/585	64	Taila-II	Jungle	0.850	0.363		
134/586	124	Patita	Jungle	0.186	0.075		
59	125	Patita	Jungle	0.850	0.358		

Forest Range Officer
BARBIL

REVENUE INSPECTOR
BHADRASAHU

TANASILDAN
BARBIL

Name of the village	Plot No.	Khata No.	Kisam (after 25.10.1980)	Kisam (Before 25.10.1980)	Area (in Acres)	DGPS Area (In Ha)	Remarks
Tapadidi	60	126	Taila-ii	Jungle	1.860	2.039	Sabik Forest
	78/618	126	Taila-i	Jungle	0.880	0.359	
	89/619	119/18	Karakhana	Jungle	0.180	0.062	
	62	124	Gharabari	Jungle	0.070	0.02	
	80/620	119/18	Karakhana	Jungle	0.550	0.226	
	90/621	119/18	Karakhana	Jungle	0.200	0.074	
	90/622	126	Taila-i	Jungle	0.300	0.11	
	87/623	119/19	Karakhana	Jungle	0.520	0.215	
	91/624	119/18	Karakhana	Jungle	0.440	0.168	
	92/625	126	Taila-i	Jungle	0.240	0.104	
	83/626	119/19	Karakhana	Jungle	0.680	0.262	
	134/629	124	Patita	Jungle	0.755	0.306	
	63	124	Gharabari	Jungle	1.080	0.465	
	64	124	Gharabari	Jungle	0.090	0.031	
	115/642	124	UJJ	Jungle	0.208	0.084	
	66	126	Patita	Jungle	2.940	1.208	
	67	124	Gharabari	Jungle	0.020	0.01	
	68	124	Gharabari	Jungle	1.920	0.767	
	69	124	Gharabari	Jungle	0.060	0.023	
	7	126	Patita	Jungle	0.150	0.051	
	70	124	Gharabari	Jungle	0.700	0.298	
	71	126	Patita	Jungle	3.140	1.345	
	72	32	Taila-i	Jungle	1.200	0.546	
	73	126	Taila-i	Jungle	1.100	0.476	
	74	126	Taila-i	Jungle	1.250	0.512	
	75	126	Taila-i	Jungle	1.720	0.503	
	76	100	Sarada-i	Jungle	2.840	1.218	
	77	126	Taila-i	Jungle	3.240	1.32	
	78	119/18	Karakhana	Jungle	1.500	0.604	
	79	126	Taila-i	Jungle	1.710	0.454	
	8	119/2	Karakhana	Jungle	1.220	0.51	
	80	71	Taila-i	Jungle	0.040	0.014	
	81	126	Patita	Jungle	1.240	0.49	
	82	126	Patita	Jungle	0.200	0.06	
	84	126	Patita	Jungle	0.220	0.043	
	86	126	Patita	Jungle	0.040	0.014	
	87	126	Taila-ii	Jungle	0.860	0.381	
	89	126	Taila-ii	Jungle	0.380	0.158	
	9	126	Patita	Jungle	8.800	2.461	
	91	119/19	Karakhana	Jungle	0.800	0.342	
	92	126	Taila-i	Jungle	0.510	0.235	
	93	126	Biabi	Jungle	0.330	0.133	
	94	126	Sarada-i	Jungle	0.680	0.266	
	95	102	Sarada-i	Jungle	0.990	0.416	
	96	126	Taila-i	Jungle	0.130	0.133	
	97	47	Taila-i	Jungle	0.480	0.196	
	98	47	Taila-i	Jungle	0.600	0.237	
	99	37	Sarada-i	Jungle	1.010	0.412	
	Sub-Total					142.255	




 Forest Range Officer REVENUE INSPECTOR TAHASILDAR
 BARBIL BIADRASAH BARBIL

Name of the village	Plot No.	Khata No.	Kissam (After 25.10.1980)	Kissam (Before 25.10.1980)	Area (in Acres)	DGPS Area (in Ha)	Remarks
Tapadidi	112/553	126	Jungle	Jungle	0.410	0.135	Revenue Forest
	114	126	Jungle	Jungle	37.450	15.141	
	17/300	126	Jungle	Jungle	3.094	1.252	
	61/303	124	Gramya Jungle	Jungle	32.791	13.270	
	61/304	126	Jungle	Jungle	53.750	21.781	
	61/305	126	Jungle	Jungle	31.930	13.054	
	61/306	126	Jungle	Jungle	32.500	12.866	
	61/311	126	Jungle	Jungle	8.909	3.606	
	123/628	124	Jungle	Jungle	0.273	0.111	
	61	126	Jungle	Jungle	39.250	15.835	
	115/641	126	Jungle	Jungle	0.044	0.018	
	115/643	126	Jungle	Jungle	0.019	0.008	
	65	126	Jungle	Jungle	0.840	0.333	
	61/650	126	Jungle	Jungle	1.500	0.622	
83	126	Jungle	Jungle	13.820	5.811		
Sub-Total					256.580	103.843	

ABSTRACT OF THE LAND SCHEDULE OVER 300.8913HA. OF FOREST LAND (AS PER HAL & SABIK RECORD)

Name of the village	FOREST LAND IN HECT.				
	R.F.	Revenue Forest	Forest land as on 25.10.1980 (Sabik)	Treated Forest	Total
Guali	Nil	50.356	7.008	-	57.364
Laharapada	Nil	-	3.372	-	3.372
Pandulipasi	Nil	43.158	5.778	9.118	58.054
Rugudi Dihl	Nil	4.666	0.324	-	4.990
Tapadidi	Nil	103.843	73.820	-	177.663
Sidhamatha R.F.	30.657	-	-	-	30.657
Total	30.657	202.023	90.302	9.118	332.100


 Revenue Inspector Forester
REVENUE INSPECTOR
BHADRASAHU


 Range Officer
 Forest Range Officer
BARBIL


 Tahasildar
TAHASILDAR
BARBIL





OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE)
& CHIEF WILDLIFE WARDEN, ODISHA

Government of Odisha, Forest, Environment & Climate Change Department
PRAKRUTI BHAWAN, PLOT NO.1459, SAHEED NAGAR, BHUBANESWAR- 751007
Phone: 0674-2602250, Website: www.wildlife.odisha.gov.in, Email: odishawildlife@gmail.com

Memo No. 2841 /CWLW-FDWC-FD-0134-2021
Dated, Bhubaneswar the 21 March, 2024

To

The Divisional Forest Officer
Keonjhar Division

Sub: Proposal for seeking prior approval of the Central Government under Section 2(ii) of Forest (Conservation) Act, 1980 in favour of M/s Odisha Mining Corporation Limited for non-forestry use of 194.683 ha forest land involved in the mining lease area over 358.258 ha (as per DGPS/ 365.026 ha as per RoR) of Guali Iron Ore Mines under Keonjhar Forest Division and District Keonjhar, Odisha – Approval of Scheme for Creation & maintenance of alternate habitat/ home for the avifauna.

Ref: Memo. No.742 dt 20.02.2024 of RCCF Rourkela Circle

I am directed to enclose herewith a copy of the scheme for Creation & maintenance of alternate habitat/ home for the avifauna at a total cost of ₹17.94 lakh in respect of the above project duly approved by the PCCF (WL) & CWLW, Odisha. Copy of the approved scheme may be provided to the user agency for their reference. Accordingly, demand should be raised upon the UA to deposit the amount in CAMPA Fund in compliance to Condition No.23 of the Stage-I approval accorded by the MoEF&CC, Gol.

Encl: As above

[Signature] 01/03/2024
Chief Conservator of Forests (WL-III)

Memo. No. 2842 dt. 01/03/2024
Copy alongwith a copy of the enclosure as above forwarded to the Regional Chief Conservator of Forests, Rourkela Circle for information and necessary action with reference to his office Memo. No.740 dt. 20.02.2024.

[Signature] 01/03/2024
Chief Conservator of Forests (WL-III)





SCHEME FOR

Creation & Maintenance of alternate habitat/home for the avifauna, whose nesting trees are to be cleared in Guali Iron Ore Mining Lease of M/s Odisha Mining Corporation Ltd. in Keonjhar district, Odisha



In compliance to condition No.23 of the in principle approval order granted by MoFF & CC, Govt. of India vide letter no F.No.8-96/1996-FC (PT.-I) dtd. 21.12.2023 for diversion of 194.638 ha of forest land pertaining to Guali Iron Ore Mines of M/s Odisha Mining Corporation Limited.



Creation & Maintenance of alternate habitat/home for the avifauna, whose nesting trees are to be cleared in Guali Iron Ore Mining Lease of M/s Odisha Mining Corporation Ltd. in Keonjhar district, Odisha.

1. Introduction:

Guali Iron Ore Mining Lease was being operated by M/s R P.San with forest clearance over 137.417 ha (Approved by MoEF & CC over 42.417 ha vide No.8-96-FC dt 14.01.2005 & 95.000 ha vide No.8 96-FC dt 06.09 2011). The lease was processed through auction after its expiry on dt 31.03.2020 and finally, the State Government vide order No.324/SM dt 11.01.2021 has transferred all the valid rights, approvals, clearances, licenses and the likes vested with the previous lessee in favour of OMC Ltd. Subsequently, the State Govt. vide order No.358/SM dt 12.01.2021 granted the mining lease for iron ore in favour of OMC in respect of Guali Iron Ore ML over an area of 358,258 ha in village Guali, Panduliposi etc. under Barbil Tahasil of Keonjhar district for a period of 10 years. Accordingly, the ML deed has been executed on dt 12.01.2021 and operation commenced since dt 12.01.2021 confined to approved forest area only. OMC, thereafter, submitted application for diversion of balance forest land over 194.683 ha and the MoEF & CC, Govt. of India vide letter No F.No-8-15/2000-FC (vol.) dt 21.12.2023 accorded in-principle approval subject to fulfilment of 42 conditions.

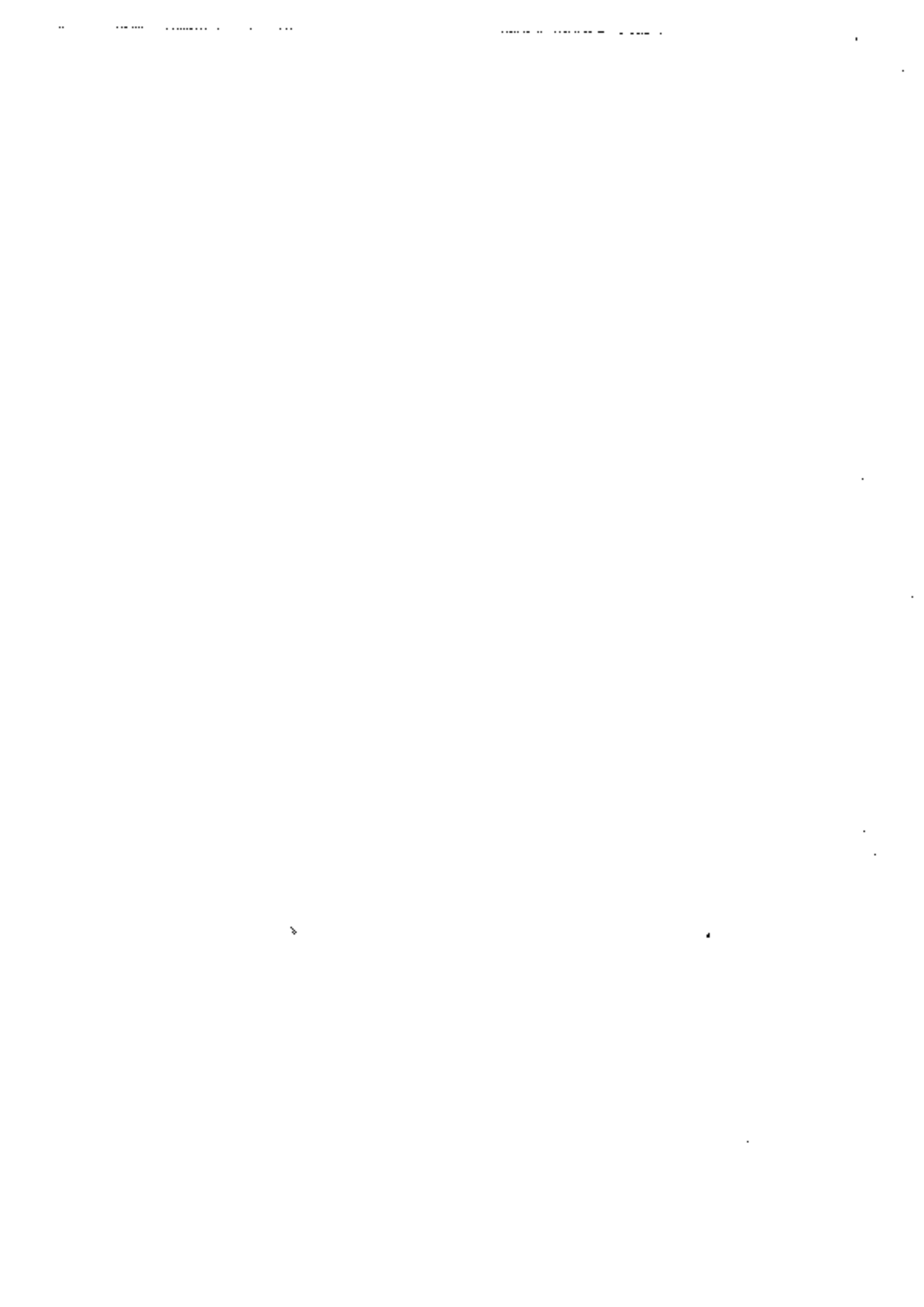
1.1 Conditions imposed in the "in-principle approval"

Out of 42 conditions stipulated in the "in-principle approval" order granted by MoEF & CC, the condition No. 23 is read as under:

"The User Agency shall undertake that user agency and the State Forest Department shall create and maintain from funds to be provided by the user agency alternate habitat/ home for the avifauna, whose nesting trees are to be cleared in this project as per the plan duly approved by the Principal Chief Conservator of Forests (Wildlife) and the Chief Wildlife Warden Odisha. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and hamlet settlements, adjoining the forest area being diverted for the project."

1.2 Pre- Project Scenario:

The project area is a part of Siddhamatha Reserved Forest, Revenue Forest, Forest as on 25.10.1980, Treated forest & Non Forest land. The area was full of forest growth and habitat for wild animals. The area has now degraded due to mining confined to approved forest area. In the process of mining 12015 nos of trees are likely to be felled in a phased manner within the period of granted mining lease.



1.3 Present Scenario:

The said ML area finds place within latitude $21^{\circ} 59' 21.991''$ to $22^{\circ} 00' 00.984''$ N and longitude $85^{\circ} 17' 02.375''$ to $85^{\circ} 18' 59.140''$ E in the Survey of India Topo Sheets bearing No. F 45 N 5 and F 45 H 8. The area exhibits an undulated topography with varying elevations from 598 m to 500 m above Mean Sea Level. This area is approachable from Barbil covering a distance of 20 km by Barbil-Rourkela National Highway No. 215. This area is also approachable from Koira Town of Sundergarh District which is on NH No. 215 at a distance of 13 km. The nearest railhead is located at Barbil on Tata-Chaibasa-Banspani track of South-Eastern Railway. The district Head Quarter Keonjhar is at a distance of 80 km. The nearest Air strip is at Tanto at a distance of 12 km from the ML area. The mining leases located around Guali Iron Ore Mines of OMC are given as below for reference:

Sl. No.	Name of the lessee	Location	Area in ha	Mineral
1	M/s K.C.Pradhan	Paradeipur	12.432	Iron ore
2	M/s OMC Ltd	Parulipada	170.170	Manganese ore
3	M/s K.J.S Ahuliwalia	Panduliposi	42.997	Iron ore
4	M/s K.J.S Ahuliwalia	Nuagaon	772.094	Iron ore
5	M/s S.N.Dasmahapatra	Katasahi	40.061	Manganese
6	M/s R B L Ltd	Katasahi & Rudukela	96.462	Manganese

Due to mining operation there is increase in population, traffic load, noise pollution, air & water pollution etc. which has affected the habitat of avifauna in the surrounding. The loss of nesting place has cast its effect and the population of avifauna has been reduced not only in core zone due to removal of trees for mining and ancillary operations but also in the nearby locality.

1.4 Avifauna in the core & Buffer Zone.

During Environment Impact assessment study and during preparation of site specific wildlife conservation plan the following avifauna are recorded in core zone.

Sl. No.	Local name / English name	Zoological name	Schedule as per Wildlife Protection Act, 1972.
1	Bana Kukuda/ Jungle fowl	<i>Gallus gallus</i>	II
2	Common Crow/ Kau (Damera Kau)	<i>Corvus corax</i>	II
3	Kapta/ Ring Dove	<i>Streptopella decaocto</i>	II
4	Kajlipati/ (King Crow/ Black Drungo)	<i>Didrurus adsimillis</i>	II
5	Koel (Assian)/ Cuckoo	<i>Eudynamys scolopaceus</i>	II

Besides, the birds observed in the buffer zone of 10 km radius from the periphery of the project Area are given below:

Sl. No.	Local name / English name	Zoological name	Schedule as per Wildlife Protection Act, 1972.
1	Bana myna/ Ghunkalka	<i>Acridotheres ginginianus</i>	II
2	Bana kukuda (Red Jungle fowl)	<i>Gallus gallus</i>	II
3	Black Headed oriole	<i>Oriolus xanthornus</i>	II
4	Black Ibis	<i>Pseudibis papillosa</i>	II
5	Blue Hill Rock pigeon	<i>Columba rupestris</i>	II
6	Cattle egret	<i>Bubulcus ibis</i>	II
7	Chestnut Headed Bee-eater	<i>Merops leschenaultia</i>	II
8	Common bustard quail	<i>Turnix suscitator</i>	II
9	Common crow	<i>Corvus corax</i>	II
10	Common myna/ Bani	<i>Acridotheres tristis</i>	II
11	Crow Pheasant	<i>Centropus sinensis</i>	II
12	Cuckoo	<i>Cuculus spp.</i>	II
13	Doves	<i>Streptopelia spp</i>	II
14	Drongo (Black)	<i>Dicurus macrocerus</i>	II
15	Grey jungle fowl	<i>Gallus sonneratii</i>	II
16	House Sparrow	<i>Passer domesticus</i>	II
17	House swift	<i>Apus affinis</i>	II
18	Indian Roller	<i>Coracias benghalensis</i>	II
19	Jungle Babbler	<i>Argya striata</i>	II
20	Jungle Bush quail	<i>Perdica asiatica</i>	II
21	Kuel (Assian)	<i>Eudynamis scolopaceus</i>	II
22	Lesser golden backed woodpecker	<i>Dinopium benghalensis</i>	II
23	Little Egret	<i>Egretta garzetta</i>	II
24	Indian Robbin	<i>Copsychus fulicatus</i>	II
25	Painted spur fowl	<i>Galliperdix lunulata</i>	II
26	Pariah kite	<i>Mihus migrans</i>	II
27	Parrot	<i>Psittacula eupatria</i>	II
28	Poacock/ Peafowl	<i>Pavo cristatus</i>	I
29	Pied mynah	<i>Gracifoca contra</i>	II
30	Indian Pond heron	<i>Ardeola grayii</i>	II
31	Purple sunbird	<i>Cinnyris asiaticus</i>	II
32	Quaker babbler	<i>Alcippe paliocephala</i>	II
33	Red vent Bulbul	<i>Pycnonotus cafer</i>	II
34	Rose Ringed Parakeet	<i>Psittacula krameri</i>	II
35	Shikra/ Baja pakshi	<i>Accipiter badius</i>	I
36	Small Indian Cormorant	<i>Micromarbo niger</i>	II
37	Spotted Babbler	<i>Pellorneum ruficeps</i>	I
38	Spotted Dove	<i>Spilopelta chinensis</i>	II
39	Spotted owl	<i>Athene brama</i>	II



40	Common Tailor Bird	<i>Orthotomus sutorius</i>	II
41	Rufous Treepie	<i>Dendrocitta vagabunda</i>	II
42	Wagtail	<i>Motacilla spp</i>	II
43	Weaver Bird	<i>Ploceus philippinus</i>	II
44	White cheeked Bulbul	<i>Pycnonotus leucotis</i>	II
45	Woolly necked stork	<i>Ciconia episcopus</i>	II
46	Yellow legged green pigeon	<i>Treron phoenicoptera</i>	II
47	Common lora	<i>Aegithina tiphia</i>	II
48	Jungle Crow	<i>Corvus marorrhynchos</i>	II
49	Partridge	<i>Francolinus pictus</i>	II
50	Pied crested Cuckoo	<i>Clamator jacobinus</i>	II
51	Red Jungle Fowl	<i>Gallus gallus</i>	II
52	Shrikes	<i>Lanius Spp.</i>	II
53	Small Green Bee-eater	<i>Merops orientalis</i>	II
54	White throated Kingfisher	<i>Halcyon smyrrensis</i>	II
55	White Breasted water hen	<i>Amaurionis phoenicurus</i>	II
56	Yellow Cheeked Tit	<i>Machlophus spilonotus</i>	II

2. Types of nests the birds built.

The legendary ornithologist Salim Ali in his popular "Book of Indian Birds" enumerated ten main types birds nest found in India. These are

- i. Simple Scrapes,
- ii. Twig Nests,
- iii. Nest in tree holes,
- iv. Nests in excavated tunnels in earth banks,
- v. Pendant nests,
- vi. Nests built entirely of Mud.
- vii. Domed or bell shaped nests,
- viii. Cup shaped nests of Grass,
- ix. Woven oblong purse nests,
- x. Nests in leave stitched together.



Figure 1: Simple Scrapes Nest

2.1 Descriptions of some of nests.

A. Simple Scrapes Nest.

The simplest nest construction is the scrape, which is merely a shallow depression in soil or vegetation. This nest type, which typically has a rim deep enough to keep the eggs from rolling away, is sometimes lined with bits of vegetation, small stones, shell fragments or feathers. These materials may help to Camouflage the eggs or may provide some level of insulation; they may also help to keep the eggs in place, and prevent them from sinking into muddy or sandy soil if the nest is accidentally flooded. Ostriches, most tinamous, many ducks,

6

7

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9

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most shorebirds, most terns, some falcons, pheasants, quail, partridges, bustards and sandgrouse are among the species that build scrape nests.

Eggs and young in scrape nests, and the adults that brood them, are more exposed to predators and the elements than those in more sheltered nests; they are on the ground and typically in the open, with little to hide them. The eggs of most ground-nesting birds (including those that use scrape nests) are cryptically coloured to help camouflage them when the adult is not covering them; the actual colour generally corresponds to the substrate on which they are laid. Brooding adults also tend to be well camouflaged, and may be difficult to flush from the nest. Most ground-nesting species have well-developed distraction displays, which are used to draw (or drive) potential predators from the area around the nest. Most species with this type of nest have precocial young, which quickly leave the nest upon hatching.

B. Twig nests: These types of nests are usually seen on dead & branchy standing trees/ house parapets. Usually built by Vulture, doves, Cattle egret, Blue Rock, Pigeon, Black Drongo, Indian Pond Heron, Little egret, Jungle Crow, Indian Tree Pie, House crow, Paria kite, Koel etc.



Figure 2 Twig Nest



Figure 2 Twig nest

C. Nests in Tree Holes: The cavity nest is a chamber, typically in living or dead wood, but sometimes in the trunks of tree ferns or large cacti, including saguaro. In tropical areas, cavities are sometimes excavated in arboreal insect nests. A relatively small number of species, including woodpeckers, trogons, some nuthatches and many barbets, can excavate their own cavities. Far more species—including parrots, tits, bluebirds, most hornbills, some kingfishers, some owls, some ducks and some flycatchers—use natural cavities, or those abandoned by species able to excavate them; they also sometimes usurp cavity nests from their excavating owners. Those species



Figure 3 : Tree Holes Nest



that excavate their own cavities are known as "primary cavity nesters", while those that use natural cavities or those excavated by other species are called "secondary cavity nesters". Both primary and secondary cavity nesters can be enticed to use nest boxes (also known as bird houses); these mimic natural cavities, and can be critical to the survival of species in areas where natural cavities are lacking.

Woodpeckers use their chisel-like bills to excavate their cavity nests, a process which takes, on average, about two weeks. Cavities are normally excavated on the downward-facing side of a branch, presumably to make it more difficult for predators to access the nest, and to reduce the chance that rain floods the nest. There is also some evidence that fungal rot may make the wood on the underside of leaning trunks and branches easier to excavate. Most woodpeckers use a cavity for only a single year. The endangered red-cockaded woodpecker is an exception; it takes far longer—up to two years—to excavate its nest cavity, and may reuse it for more than two decades. The typical woodpecker nest has a short horizontal tunnel which leads to a vertical chamber within the trunk. The size and shape of the chamber depends on species, and the entrance hole is typically only as large as is needed to allow access for the adult birds. While wood chips are removed during the excavation process, most species line the floor of the cavity with a fresh bed of them before laying their eggs. Mango, Chakunda, Sirisa, Sal trees spp. Those are very much affected by Canker disease. Due to expansion of Roads, Removal of Village Groves for housing purpose, these types of nests became rare. Bird those prefer these type of nest are Indian Myra, Large Indian Parakeet, Copper smith barbet, Rose ringed parakeet, Owl and other nocturnal birds.

D. Nests on Excavated / Mound:

These types of nests are seen on earth mounds, pebble dumps, hard earth mounds, Burying eggs as a form of incubation. Mound nests made of soil, branches, sticks, twigs and leaves, and lay their eggs within the rotting mass. The heat generated by these mounds, which are in effect giant compost heaps, warms and incubates the eggs. The nest heat results from the

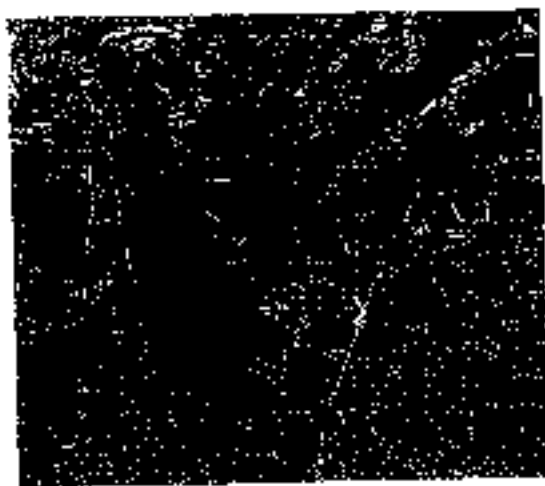
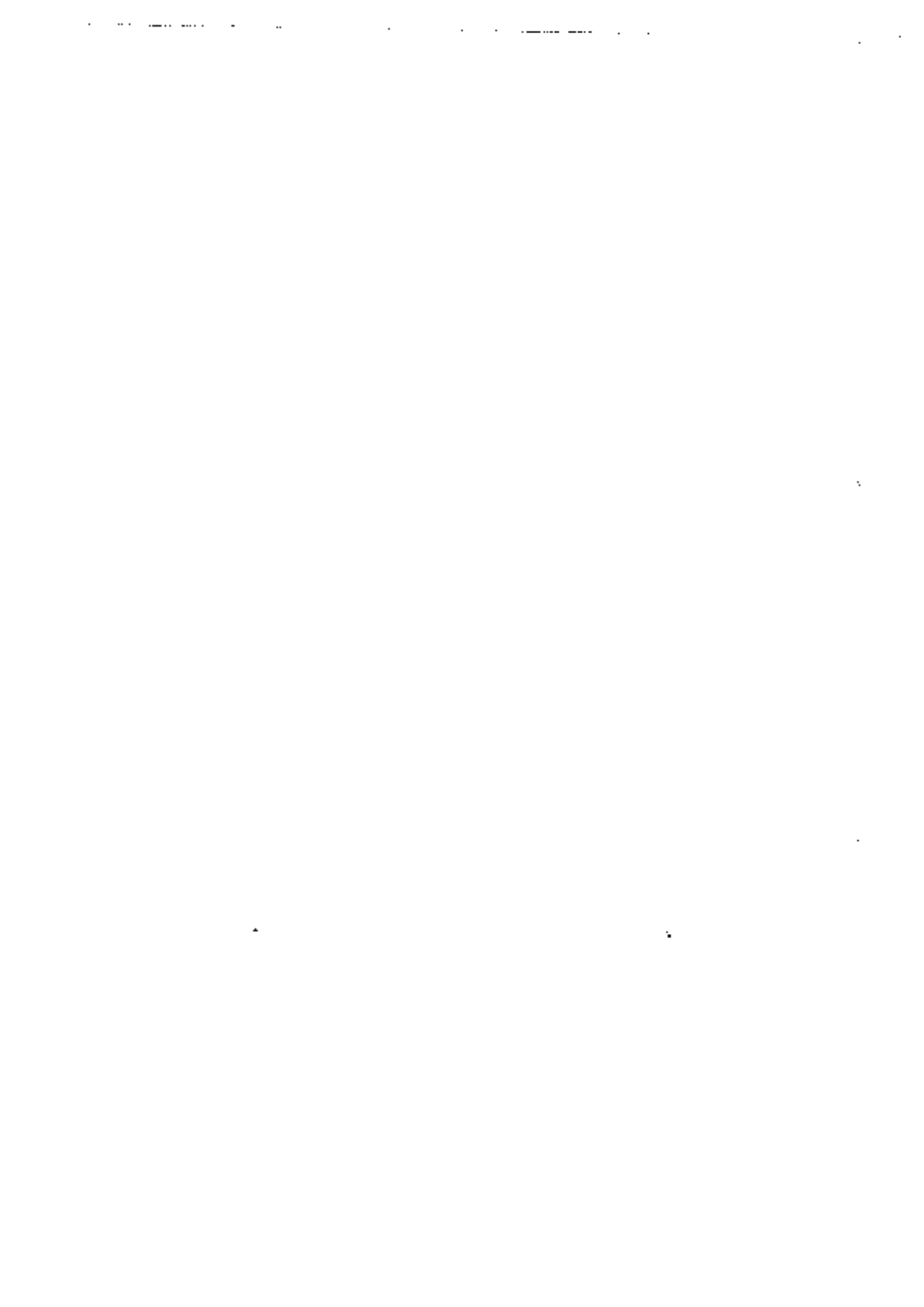


Figure 5: Nest on Excavated Tunnels

respiration of thermophilic fungi and other microorganisms. The size of some of these mounds can be truly staggering; several of the largest—which contain more than 100 cubic metres (130 cu yd) of material, and probably weigh more than 50 tons (45,000 kg) were initially thought to be Aboriginal middens.

In most mound-building species, males do most or all of the nest construction and maintenance. Using his strong legs and feet, the male scrapes together material from the area around his chosen nest site, gradually building



a conical or bell-shaped pile. This process can take five to seven hours a day for more than a month. While mounds are typically reused for multiple breeding seasons, new material must be added each year in order to generate the appropriate amount of heat. A female will begin to lay eggs in the nest only when the mound's temperature has reached an optimal level. eg. King Fisher, Sua etc.

E. Pendant Nest:



Figure 6: Pendant Nest.

The *pendant* nest is an elongated sac woven of pliable materials such as grasses and plant fibers and suspended from a branch. Gropendolas, caciques, orioles, weavers and sunbirds are among the species that weave pendant nests.

F. Mud nest. Mud nests begin as many little balls of mud stuck on a vertical surface such as an exterior wall. They will be located up near the top where the wall meets with the soffit at a 90 degree angle, and eventually the nest will be anchored to both surfaces. The birds roost on the little mud wads and sleep there at night, then awake the next morning to add to them and keep building. The nest grows to the size of a softball or grapefruit with a cup-shaped hole at the top. Working the mud with their beaks and feet, the birds close up the top until there is only a small entrance. Sometimes people try to hose the mud nests down, but the nests are built right back up in three days or so. Muddy nests damage and deface or stain whatever surface they are built upon, plus the area below becomes dirty and dangerous because of all the droppings and urine. Feces can extend down walls and cover the ground beneath nest sites. When the infestation is near a



Figure 7: Mud nest



walkway, there is concern for slip and fall liability. The local bacteria can contain histoplasmosis, salmonella, meningitis, and other diseases.

G. Domed or Bell Shaped Nests:



Figure 84 : Domed / Bell shaped nest.

The tropical stingless bees are known to use diverse nest sites, and some species. The bell-shaped nest with both wasps and bees was found.

H. Cup shaped Nest:

The cup nest is smoothly hemispherical inside, with a deep depression to house the eggs. Most are made of pliable materials—including grasses—though a small number are made of mud or saliva. Many passerines and a few non-passerines, including some hummingbirds and some swifts, build this type of nest.

Small bird species in more than 20 passerine families, and a few non-passerines—including most hummingbirds, kinglets and crests in the genus *Regulus*, some tyrant flycatchers and several New World warblers—use considerable amounts of spider silk in the construction of their nests. The lightweight material is strong and extremely flexible, allowing the nest to mold to the adult during incubation (reducing heat loss), then to stretch to accommodate the growing nestlings; as it is sticky, it also helps to bind the nest to the branch or leaf to which it is attached.

Many swifts and some hummingbirds use thick, quick-drying saliva to anchor their nests. The chimney swift starts by dabbing two globs of saliva onto the wall of a chimney or tree trunk. In flight, it breaks a small twig from a tree and presses it into the saliva, angling the twig



Figure 9: Cupshaped nest



downwards so that the central part of the nest is the lowest. It continues adding globs of saliva and twigs until it has made a crescent-shaped cup.

The saucer or plate nest, though superficially similar to a cup nest, has at most only a shallow depression to house the eggs.

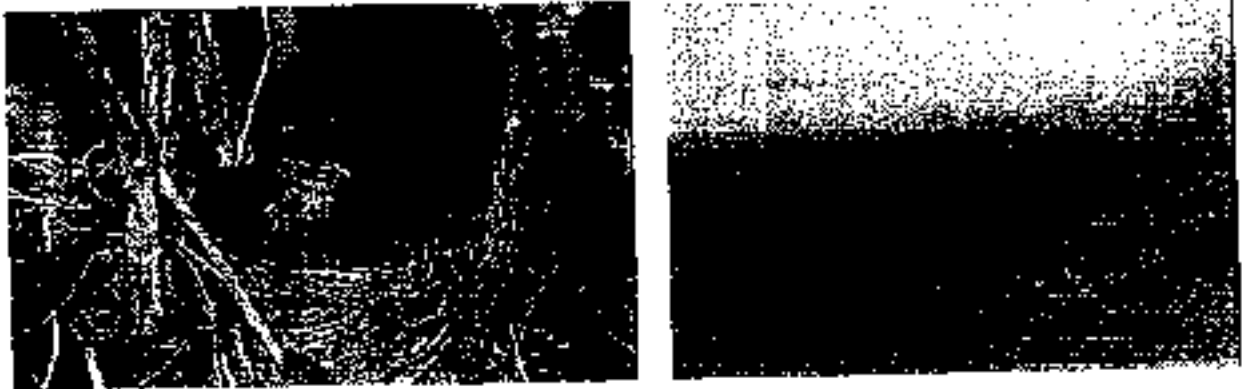


Figure 50: Saucer nest

I. Woven Oblong Purse Nest.

These type of nest are usually made by tailor birds "Bia Chadel" on high trees ilke palm trees, ohoenix etc. Now it became rear.

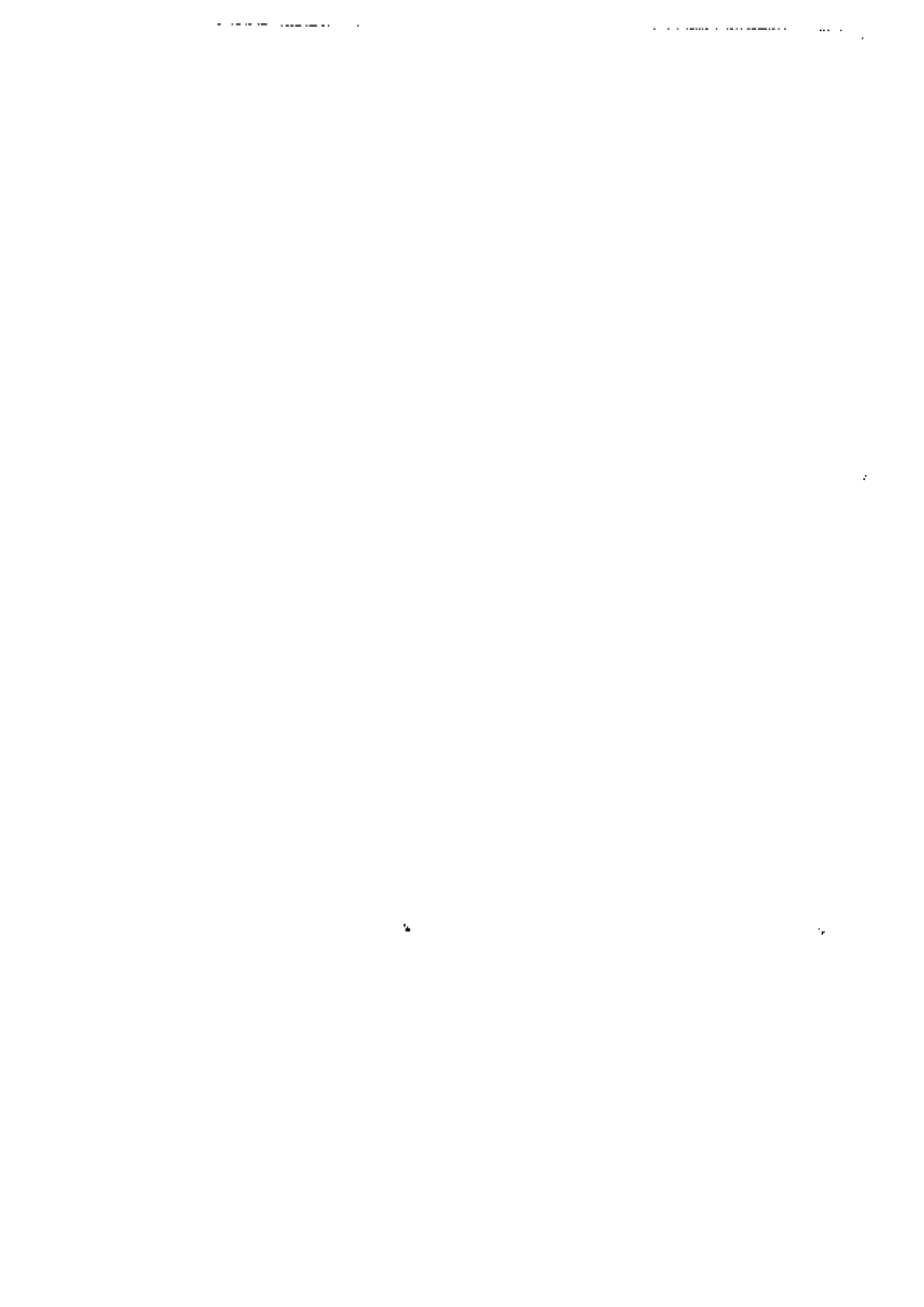


Figure 61: Woven oblong nest

J. Nest of Leaves stitched together



Figure 72: Stitched nest (of leaf)

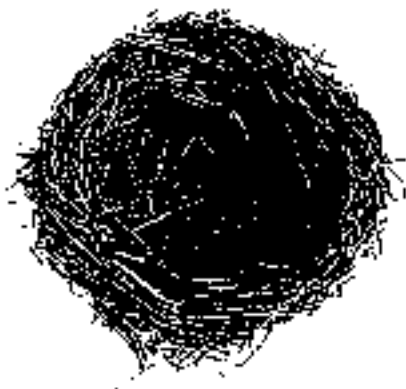


The **common tailorbird** (*Orthotomus sutorius*) is a songbird found across tropical Asia. Popular for its nest made of leaves "sewn" together and immortalized by Rudyard Kipling in his *Jungle Book*, it is a common resident in urban gardens. Although shy birds that are usually hidden within vegetation, their loud calls are familiar and give away their presence. They are distinctive in having a long upright tail, greenish upper body plumage and rust coloured forehead and crown. This passerine bird is typically found in open farmland, scrub, forest edges and gardens. Tailorbirds get their name from the way their nest is constructed. The edges of a large leaf are pierced and sewn together with plant fiber or spider silk to make a cradle in which the actual nest is built. Like most warblers, the common tailorbird is insectivorous. The song is a loud *cheep-cheep-cheep* with variations across the populations. The disyllabic calls are repeated often.

3. Creation of Alternate habitat:

3.1 Due to removal of large number trees in the lease area for mining it has been felt to have alternate artificial nest for avifauna. It is possible to prepare and install Twig nest, Nests in hole, cup shaped nests, bell shaped nests and Woven gblong nests prepared out of eco- friendly/ natural materials such as Grasses, Climbers, Bamboo, planks may be used to prepare/ construct the nest and fix at appropriate places. The shapes and material for use are described below.

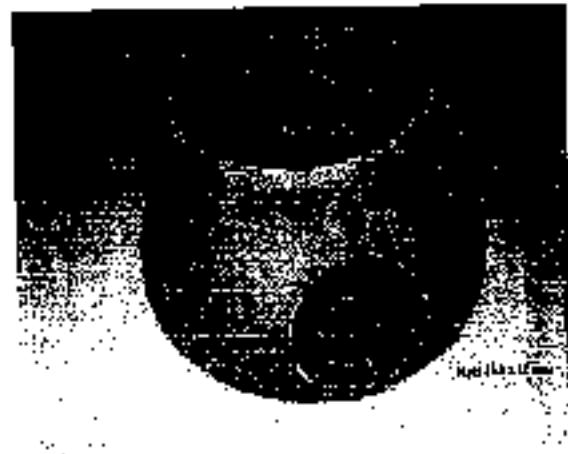
3.1. A. **Cup/Saucer shaped nest:** This type of nest will be prepared from twigs and small climbers by local artisans. If necessary some adhesives can be used to keep the twigs together. In that case some free twigs will be spread inside the nest to keep the birds free from contamination if any. The nests of 6" to 12" diameter will be ideal. The average cost for preparing this type of nest is Rs 200/- These nests will be placed on tree branches, house parapets. Fixing/placing cost Rs 20/- per nest. Hence the average cost per this type of nest is fixed to Rs 220/-. It may be replaced mostly annually.





3.1. B. Nests on Tree Holes.

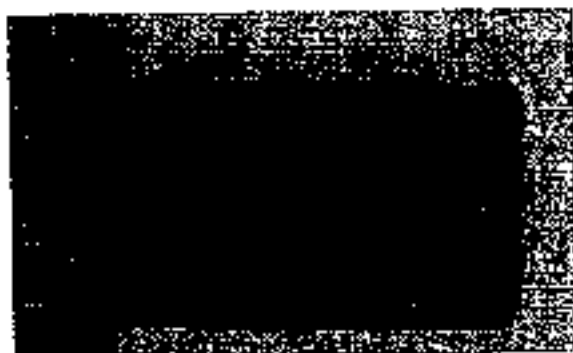
Half opened box shaped prepared from Bamboo strips covered with Palm leaves and earthen pots with opening can also be prepared & fixed on tree trunks/branches with or without camouflage may help in improving habitation of birds. The models are given below. The local bamboo artisans/ earthen pot makers can prepare these materials after short demonstration.



The Average size of lower part bamboo box is 12"x12"x10" and size of earthen pot around 12" to 15" dia & height of 12". The average cost Rs 150/- and fixing cost with fixing materials Rs 50/-. Hence, the average cost Rs 200/- per nest. This is required to be replaced in every Two years.

3.1. C. Woven nests.

There is a need to prepare and install woven nests for enhancement of weaver bird population in urbanized localities. The design given below can be prepared from Bamboo and could be hanged on tree top branches buildings/electric transmission poles. The average size is of 10" diameter and 20" long. Opening of 8"x9" will be ideal. This can be changed if required after close observation. The life of such nest is two years. The average cost including fixing and fixing materials is Rs 100/ .



3.1. D. Earthen nest to replicate mud nest. The nests can be imitated by placing earthen pitchers covered with straw / coir to keep inside cooler to suit birds living in mud nests / mound nests. The size of 10" dia with tubular earthen structure with a narrow opening of 6" dia can be

1

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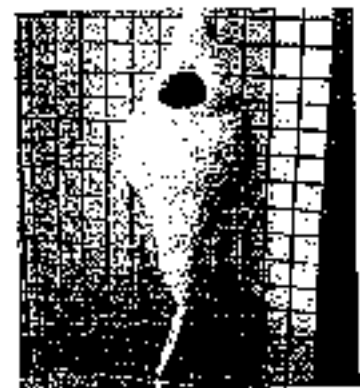
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prepared and placed at low height tree trunks. The average cost including fixing is Rs 400/-. If no external damage is caused by biotic interference the life is expected to be 3 years or more.

3.1.E. Special nest for "Ghar Chatia"



The model is prepared from earth/ earthen pot. This can be hanged on grills/ tree branches/transmission poles to house dwindling population of "Ghar Chatia" This can be provided to people having interest in nature to hang in their house premises. This will be an interesting drive if can be implemented through voluntary organization. The average cost including motivation drive is Rs 600/- per nest. The life if properly taken care of will be around 3year.



3.1. F. Nest Box.

A nest box, also spelled nest box, is a man-made enclosure provided for animals to nest in. Nest boxes are most frequently utilized for birds, in which case they are also called birdhouses or a bird box/bird box, but some mammalian species may also use them. Placing nest boxes or roosting boxes may also be used to help maintain populations of particular species in an area.

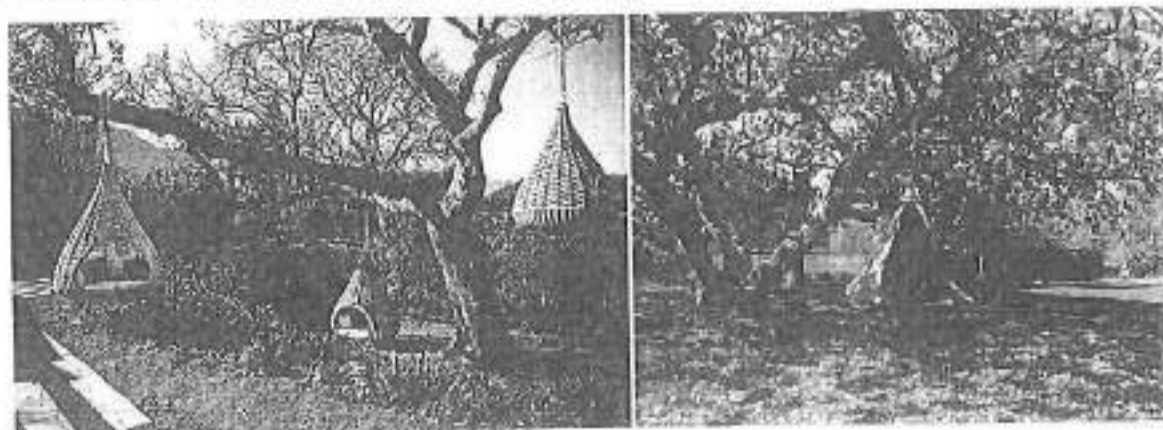


These Boxes can be made of low cost soft wood by carpenter. The ideal size will be 25cmx 25cm x40 cm. The entrance may be of round shaped with 10cm to 15cm dia at a height of 15cm from the base. The top will be either heap roofed or slight slanting roof. The slanting should be to words side not to front. The bottom plank will contain small holes to drain out water. It can be fixed on trees/ side walls abandoned structures. These may house squirrels / rodents / small reptiles. The average cost including fixing will be Rs 600/-.



3.1. G. Bell shaper nest.

These nests are of conical size with varying base diameter starting from 12' dia to 18" dia. The height will be equal or 1.2 times of diameter of base. These can be hanged as shown in the figure. This can be prepared from bamboo, pliable climbers, Grasses like Kaincha" Munja etc. The average cost will be Rs 400/- including fixing.



4. Bird bath:

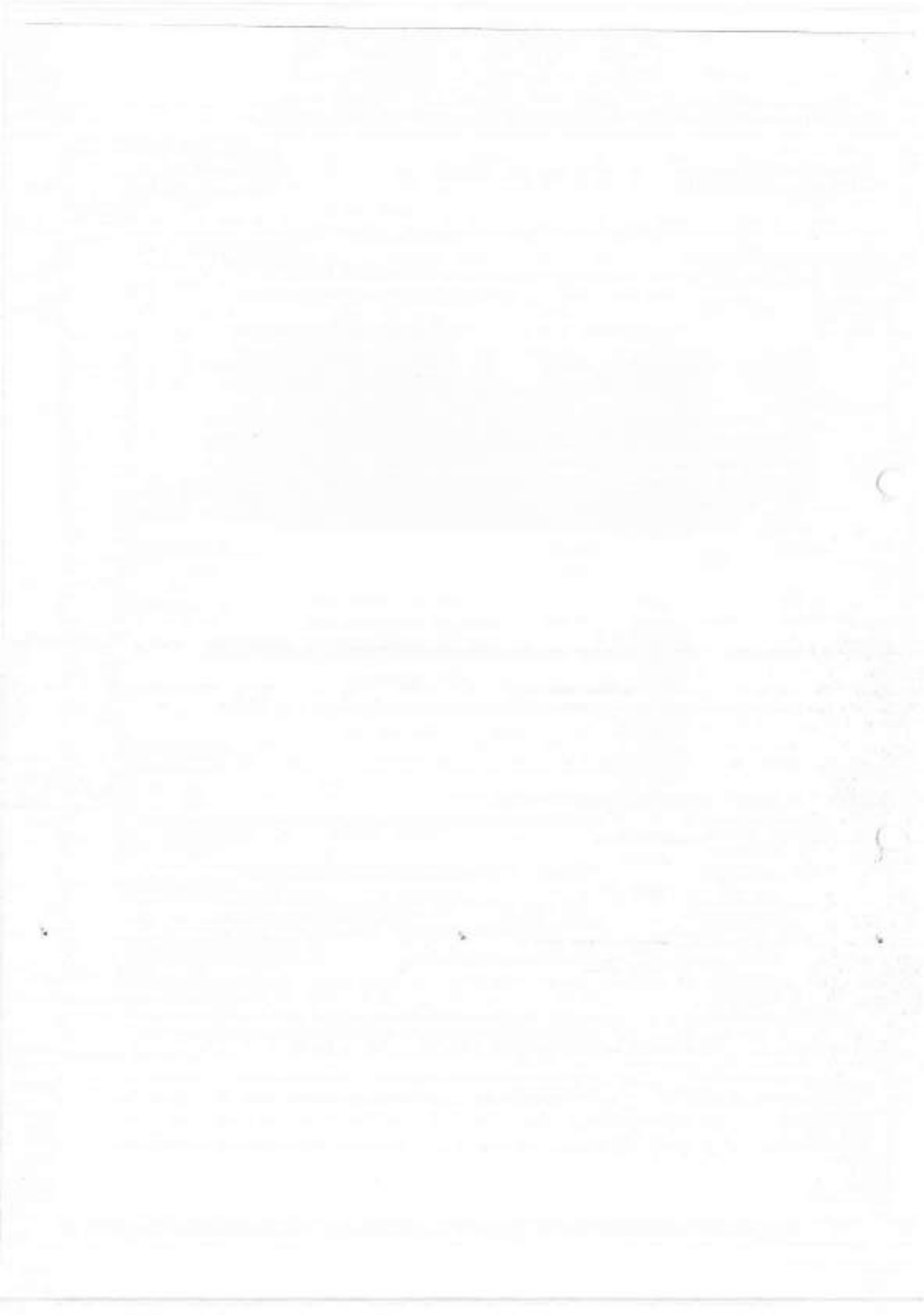
Water ditches will be created near nalla beds to provide small water ditches for birds to have water baths in dry season. The size of ditches may be of 1mx1mx0.5m at an interval of 250m along the nalla course, some ditches may be constructed near habitations having water facilities nearby. The VSS members will be suitable rewarded for filling of the ditches by water. This practice will be repeated every year. 100 ditches will be maintained every year the cost per ditch per year Rs 300/- including incentive to VSS. Hence the total cost comes to $100 \times 300 \times 10 = \text{Rs } 3,00,000/-$

5. Target & Phasing of Nest fixing.

The Forest land proposed for diversion is 194.683 ha. It is proposed to fix 20 nests of different types per hectare. Total nests to be fixed are 3900 nos. The proportion of different nest to be fixed is as given in the table below.

TABLE NO-4

Type of artificial nest	%	No. to be fixed	Year of Fixing											Total
			1023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33		
Cup/saucer shape	15	585	58	58	58	58	58	58	58	58	58	60	61	585
Nest on Tree hole	20	780	78	78	78	78	78	78	78	78	78	78	78	780
Woven nest	20	780	78	78	78	78	78	78	78	78	78	78	78	780
Earthen nest	10	390	39	39	39	39	39	39	39	39	39	39	39	390
Nest for Ghar Chatia	15	585	58	58	58	58	58	58	58	58	58	60	61	585



Nest Box	10	390	39	39	39	39	39	39	39	39	39	39	390
Bell shaped	10	390	39	39	39	39	39	39	39	39	39	39	390
Total	100	3900	389	389	389	389	389	389	389	389	393	395	3900

5.1 Financial Forecast.

A. Artificial nest.

Type of artificial nest	Percentage	No. to be fixed	Rate	Total Cost
Cup /saucer shape	15	585	220	128700
Nest on Tree hole	20	780	200	156000
Woven nest	20	780	100	78000
Earthen nest	10	390	400	156000
Nest for Ghar Chatia	15	585	600	351000
Nest Box	10	390	600	234000
Bell shaped nest	10	390	400	156000
Total	100	3900		1259700

B. Bird Bath = Rs 3, 00,000.00

Total (A+B) = Rs 1559700/- (Rs 1259700/- + Rs300000/-).

Escalation @15% = Rs 233955/-

Grand Total Financial Outlay = Rs 17, 93,655/- or say Rs 17.94 lakh (Rs 1559700/- + Rs 233955/-).

6. Execution.

The scheme will be implemented by OMC under supervision of Forest Department. Considering the nature of work involved it is advisable to execute the work through an organization involved in nature care & environment matters. The VSS members will be intensively associated in its implementation.

7. Monitoring & Evaluation.

The implementation requires skill & dedication. Regular monitoring of nest fixing places/ its effectiveness is highly essential. It needs regular monitoring by higher authority at division /circle level.

8. Plan Period.

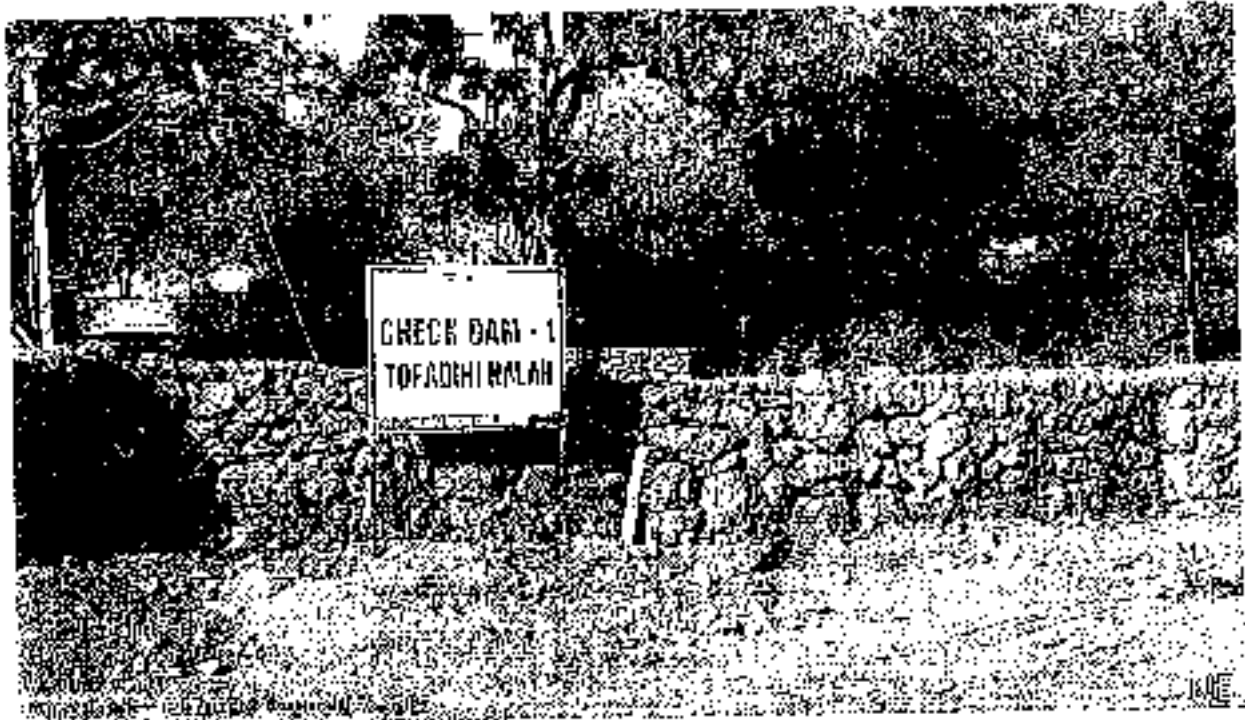
The scheme is designed for ten years from 2023-24. It may be reviewed after five years if so required.

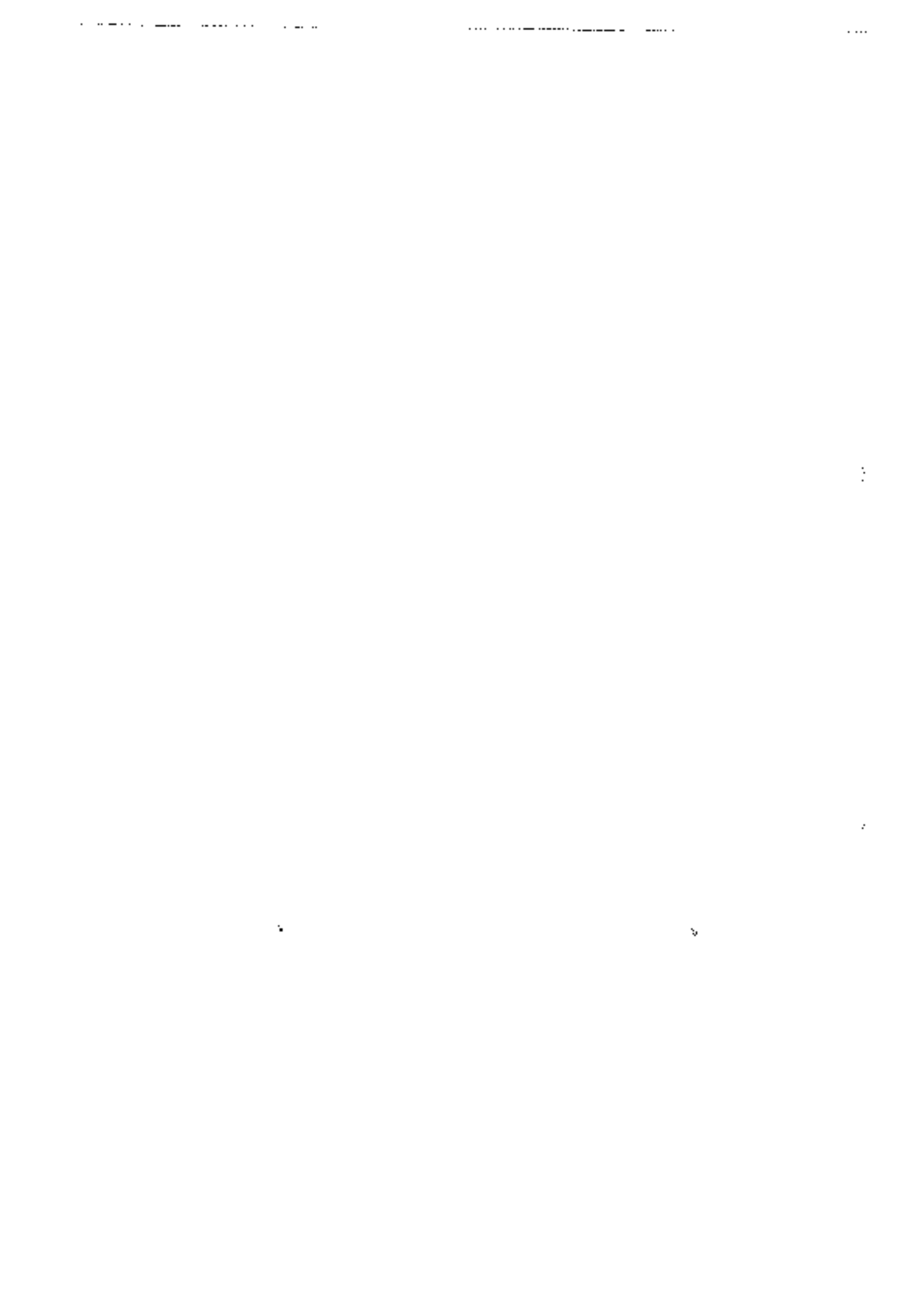
Approved

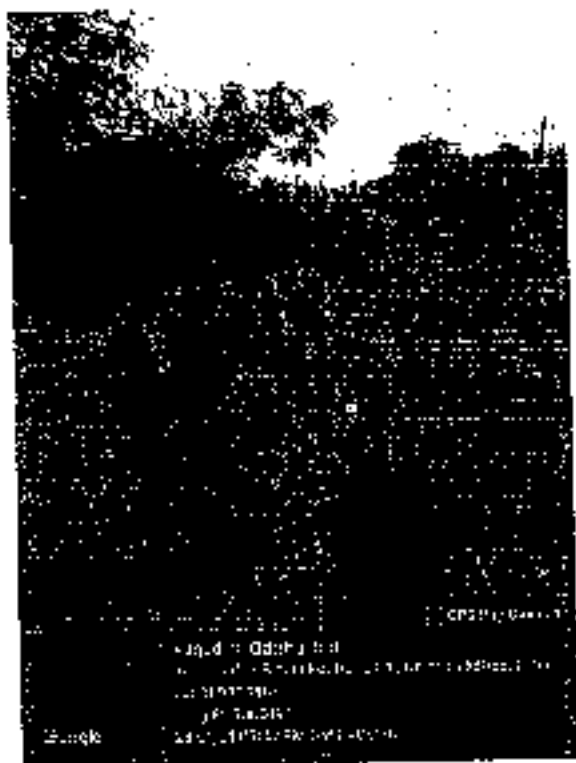
Divisional Forest Officer
Keonjhar Division

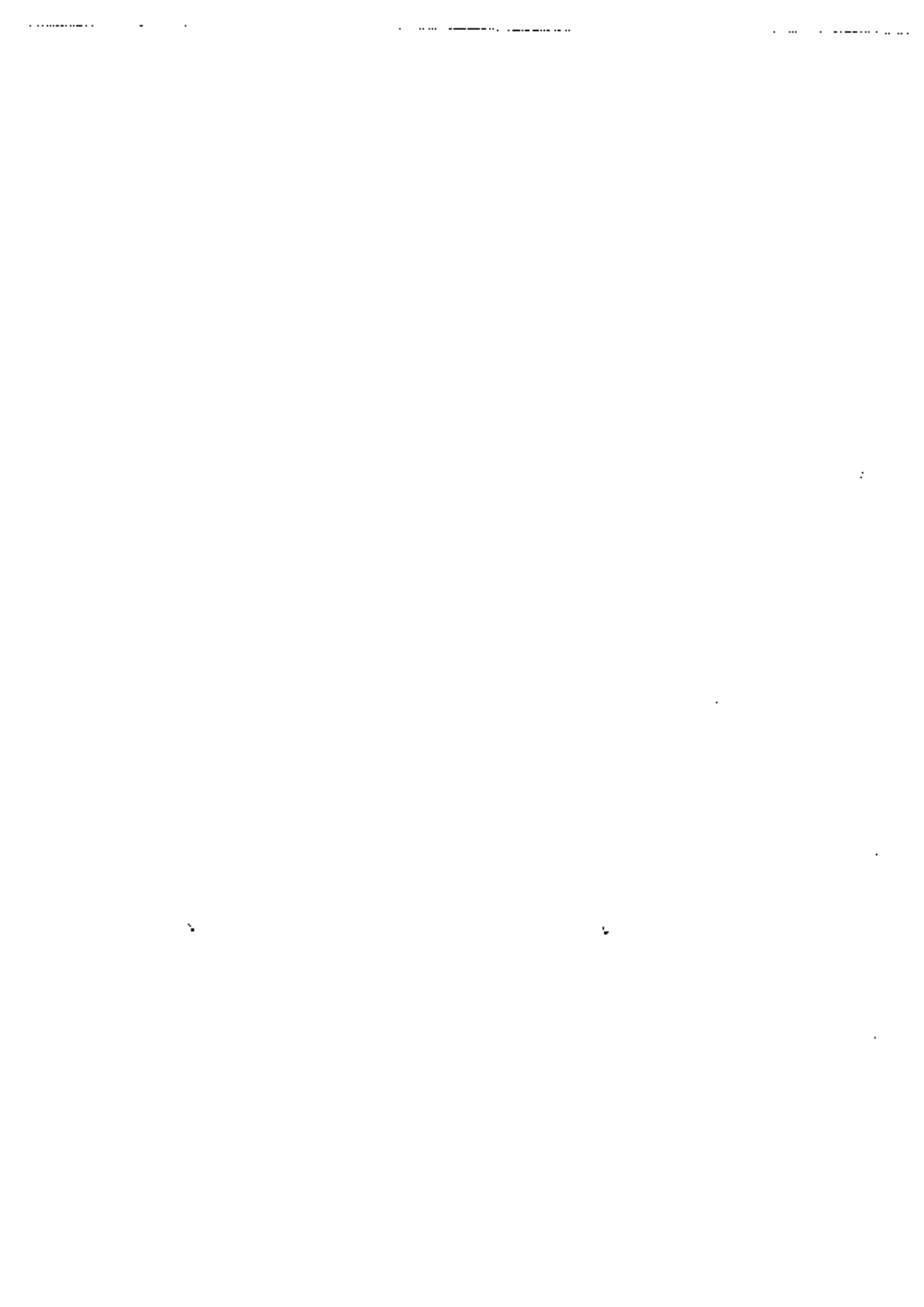
Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden
Odisha, Bhubaneswar

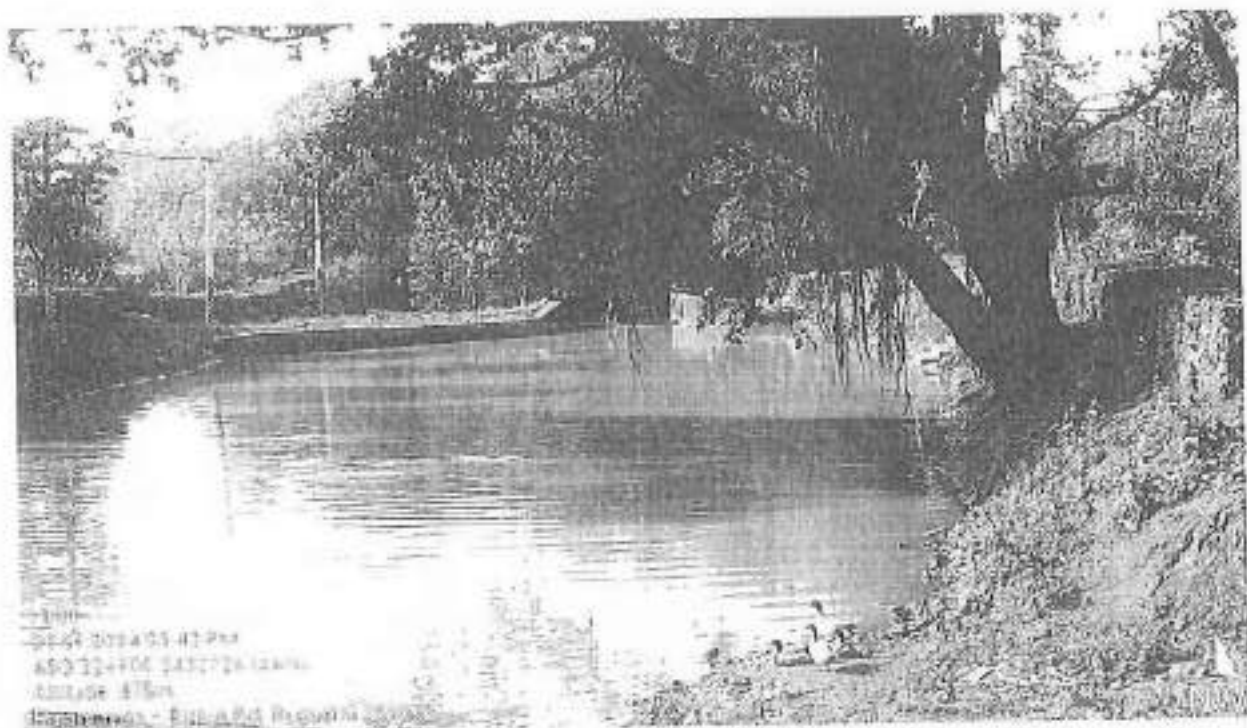
Check dams, retaining wall and garland drain within Guali Iron Ore Mines of OMC Ltd.



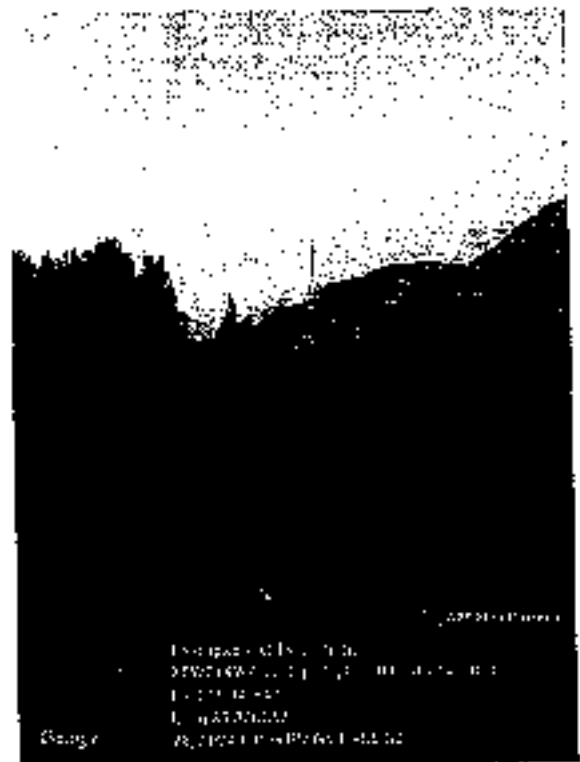












ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and, Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The GENERAL MANAGER (GEO)
ODISHA MINING CORPORATION LIMITED

Odisha Mining Corporation Limited
OMC House, Post Box No.: 34, Bhubaneswar - 751 001, Dist.: Khurda,
Odisha, Khordha, Orissa-751001

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/OR/MIN/7224/2008 dated 09 Feb 2022. The particulars of the environmental clearance granted to the project are as below

- | | |
|--|-----------------------------------|
| 1. EC Identification No. | EC23A001OR11761 |
| 2. File No. | J-11015/1155/2007-IA,II(M) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | (a) Mining of minerals |
| 6. Name of Project | Quali Iron Ore Mining Project |
| 7. Name of Company/Organization | ODISHA MINING CORPORATION LIMITED |
| 8. Location of Project | Orissa |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 17/07/2023

[e-signed]
Pankaj Verma
Scientist E
IA - (Non-Coal Mining sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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J-11015/1155/2007-IA. I(M)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

3rd Floor, Vayu Block
Indira Paryavaran Bhawan
Jor Bagh Road, Aligenj
New Delhi- 110 003

Dated: 17th July, 2023

To

M/s Odisha Mining Corporation Limited,
OMC House, Post Box No.: 34,
Bhubaneswar - 751 001, Odisha.

Sub: Guali Iron Ore Mine of M/s Odisha Mining Corporation Limited for mining of Iron Ore for expansion in production capacity of 5.0 MTPA to 30.0 MTPA with total excavation of 37.87 Million TPA [Saleable Iron ore: 27.44 Million TPA, Mineral rejects: 2.56 Million TPA, Waste: 7.48 Million TPA, Topsoil: 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant for the restricted working area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha, located at village(s) Guali, Loidapada, Panduliposhi, Topadihi, Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha - Environmental Clearance regarding.

Sr,

This has reference to the online proposal no. IA/OR/MIN/7324/2008 of M/s Odisha Mining Corporation Limited is for mining of Iron ore in Guali Iron ore mine for expansion in production capacity of 5.0 MTPA to 30.0 MTPA with total excavation of 37.87 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste 7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant for the restricted working area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha, located at village(s) Guali, Loidapada, Panduliposhi, Topadihi, Rugudih, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha.

2. The details of the project as ascertained from the document submitted by the Project Proponent and as revealed from the discussions held during the meeting, are given as under:

EC- M/s Odisha Mining Corporation Limited, Odisha

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- i. The mine lease area is located between Latitude 21°59'21.99060"N to 22°00'1.98397"N and Longitude 85°17'02.37474" to 85°18'59.14042"E. The mine lease area falls under the Survey of India Topo sheet No: F45H8 & F45N5 (73F/8 & 73G/5) and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 250 ha and appraised at the Central level.
- iii. The proposal was earlier considered in the 47th EAC Meeting (Non-Coal Mining) held during 7th to 9th March 2022. The Member Secretary informed the Committee that the Project Proponent vide email dated 07.03.2022 has sought deferment of the proposal stating that due to technical reasons, M/s Odisha Mining Corporation Ltd requested to defer the proposal scheduled in 47th EAC Meeting. Therefore, as per the request of the Project Proponent, the Committee deferred the proposal. Then, the Project Proponent vide letter dated 27.10.2022 requested the Ministry to enlist the proposal for consideration of EC. The Ministry again examined the proposal and sought additional details on 31.10.2022 and the Project Proponent submitted the information on 05.11.2022 in Parivesh portal and accordingly the proposal was reconsidered in the 7th EAC (Non-Coal Mining) meeting held during 5th - 6th December, 2022.
- iv. Details of previous Environmental Clearance (EC):
- a. The Project Proponent submitted that the previous lessee (Shri Ramesh Prasad Sao) initially obtained Environmental Clearance vide Lr No. J-11015/8/2007-IA.II(M) dated 30.11.2007 for production of 1.8 MTPA Iron ore.
- b. Then, the previous lessee obtained EC vide Lr J-11015/1155/2007-IA-II(M) dated 22nd June, 2008 for expansion of iron ore from production from 1.8 MTPA to 5.7 MTPA iron ore by opencast mechanized method involving total mine lease area of 365.026ha.

v. The details of the Terms of Reference (ToR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
09.04.2021	IA/OR/MIN/208682/2021	9 th - 15 th June, 2021 & 13 th to 16 th July 2021	Terms of Reference of M/s Odisha Mining Corporation Limited for Gual Iron Ore Mine [358.258 ha (as per DGPS)/365.026 ha (as per RoR)] with total excavation of 37.67 Million TPA [Saleable iron ore - 27.44 Million TPA, Mineral rejects-2.58 Million TPA, Waste-7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition	04.08.2021

EC- M/s Odisha Mining Corporation Limited, Odisha

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			to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant along with the recommendation made by NEERI in its carrying capacity study for Odisha.
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vi. Details of Mine lease:

- a) The Project Proponent submitted that the initially mine lease was executed in favour of M/s M. H. Rahman on 21.05.1983 for a period of 20 years with effect from 27.06.1983 to 26.06.1973.
- b) Subsequently, the aforesaid mine lease was renewed by the State Government for a further period of 20 years (27.06.1973 to 26.06.1993) and the lease was executed on 23.06.1980.
- c) During the 1st renewal period, the State Government vide Lr No.12437/MG dated 22.10.1986 have transferred and executed the lease in favour of Shri Ramesh Prasad Sao on 15.11.1986.
- d) Prior to expiry of the 1st renewal period, Shri R. P. Sao applied to the State Govt. for 2nd renewal of mine lease vide Form-D No. 479 dt 10.02.1992 for a period of 20 years (27.06.1993 to 26.06.2013). Thereafter, Shri R.P. Sao filed the 2nd renewal application vide Form-D No.933 dt 25.04.2012 for a period of 20 years from 27.06.2013 to 26.06.2033.
- e) The file was processed by the State Government as per Section 8 (A) of MM (D & R) Amendment Act, 2015 and the period of mining lease was extended up to 31.03.2020 and accordingly supplementary lease deed executed on 23.05.2015. The mining operation was under suspension from 27.06.2013 to 13.04.2018 and then resumed the mining operation as per the Hon'ble Supreme Court order dt 08.04.2018 and continued till 31.03.2020. Mine lease got expired on 31.03.2020.
- f) The mine was put under auction by the State Government and the successful bidder could not comply the terms and conditions as a result of which the State Government recommended for consideration and allocation through reservation (section 17A of MMDR Act) route or any other appropriate provision in favour of M/s Odisha Mining Corporation Ltd (A Government Company) for a specified period of time to meet the demands and where most of the auctioned mines are unable to start the mine operation. Further, in pursuance to the order No.4/1/2020-M.VI dated 05.01.2021 issued by the Central Government, Guall Iron Ore Block in Keonjhar district of Odisha has been reserved in favour of Odisha Mining Corporation Limited for a period of 10 years.

g) Details of mine lease:

EC- M/s Odisha Mining Corporation Limited, Odisha

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S no	Grant of Mining lease/ Order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Reservation of Guali Iron Ore vide No 283/SM Bhubaneswar.	11.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)
2	Letter of Intent for grant of mining lease vide 312/ N(AB) SM-01/ 2021/SM, Bhubaneswar	11.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)
3	Vesting Order No 324/V(AB) SM-01/2021/ SM and vesting order is valid for a period of 2 years from the date of execution of the lease deed or till the date of getting fresh approvals, clearances, licenses, permits and the like whichever is earlier	11.01.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)
4	Grant of mining lease vide order no 358/SM	12.31.2021	Iron Ore	10 years	Govt of Odisha	358.258 ha (as per DGPS)/ 365.026 ha (as per RoR)

h) Details of executed Mine leases:

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	12.01.2021	11.01.2031	Lease deed executed on 12.01.2021 between the Governor of Odisha and M/s Odisha Mining Corporation, vide No: IN-OD01565272001888T for a period of 10 years.
	Additional information (if any)	The Project Proponent has submitted an undertaking vide letter dated 13.03.2023 stating that in case OMC desires to enhance the annual production limit over and above 73,92,504.30 Tonnes of Iron Ore per annum from Guali Iron ore Mines (as mentioned in Clause 2.4 of the lease deed executed on 12.01.2021), then the enhancement of production shall be subject to revision of		

		scheme of mining and obtaining the requisite statutory clearances, followed by execution of an amendment to the lease deed before enhancing the annual production beyond the aforementioned limit i.e. 73,92,504.00 tonnes of Iron Ore per annum.
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vii. Land Use/Land Cover of the Mine lease area:

Revenue Forest	301.443 ha
Reserve Forest	30.657 ha
Total Forest Land	332.100 ha (Stage II FC available for 137.417 ha & Non-Diverted Forest Area: 194.683 ha)
Private land	15.932 ha
Government land	10.226 ha
Non-Forest land	26.158 ha
Total Mining lease area (MLA)	358.258 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

viii. Mining Plan:

Approval of Mining Plan with Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No.	MP/A/38-ORMBHU/2020-21
	Date	19.03.2021
	Mineral	Iron Ore
	Mine lease area	358.258 ha (as per DGPS)/365.026 ha (as per RoR)
	Validity	2020-21 to 2024-25
Mining Parameters	Quantitative Description	
Method of Mining	Fully Mechanized Opencast mine	
Reserves (As on 12.01.2021)	Geological Reserves: 198.707 Million Tonnes Mineable Reserves: 160.136 Million Tonnes	
Life of mine	~8 Years (likely to be revised with further exploration, if any)	
Bench Height	15 m	
Bench Width	30 m	
Individual bench slope	60°	
Overall pit slope	45°	
Drilling/Blasting	DTH drill of 160 mm dia, Blasting by using NONEL	
ROM output size	CLO (+10-40/-5-18mm), fines (-10mm) and oversize (+40 mm)	
Mineral Beneficiation	No beneficiation plant proposed	
Crushing/Screening	PP reported that additional crushing & screening facilities will be installed	
Transportation details	i. 30% of total iron ore: By trucks via adjacent NH-520 (old NH-215) to nearby buyer's/railway sidings. ii. 70% of total iron ore: Through standalone Satellite Grinding Unit (with pumping facility and slurry	

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	pipeline) to be established by single or multiple parties. As per SOTM, it is proposed to transport 9.0 MTPA iron ore through road and the balance 21.0 MTPA will be transported to potential users or converting it to slurry.
Dumpers capacity	Dumpers required for 30 MTPA: Capacity ~ 240 tonnes
Topsoil/Waste disposal	PP reported that about ~9.5 Mm ³ waste to be generated. ~30% (2.86 Mm ³) to be re-used for civil works for setting up new mineral processing plant & construction of internal roads. Balance will be dumped in 2 external dumps within ML. About ~22.08 Mt of mineral rejects, to be blended with high quality iron ore & sold. About ~0.514 Mt of Top soil to be generated & concurrently used in plantation.
Additional information (if any)	The Project Proponent also submitted the letter from the Indian Bureau of Mines (IBM) vide Lr. No. MCDR-MiFLO/FE/11/2022-BBS-IBM_RO_BBS dated 09.03.2023 stating that as per MCR 2016 the Mining Plan always approved for total mining lease area granted and the lessee have to restrict mining working within the area for which Forest and Environment clearances are obtained as per condition imposed in mining plan approval letter. Therefore, in present case there is no need of modification of mining plan for the reduced area as demanded by MOEF.

ix. Water requirement.

Total water requirement (Proposed)	2229 KLD Ground water: 320 m ³ /day Surface Water: 1160 m ³ /day Dewatering from mine during mine intersection: 729 m ³ /day and Recycled water: 245 m ³ /day	Haul Road Dust Suppression	1479 KLD
		Dry fog	110 KLD
		Plantation (Recycled water)	185 KLD
		Domestic and Drinking Purpose	320 KLD
		Wheel wash facility	50 KLD
		ETP	20 KLD
Source of water	Bore well water, Surface water from river Karo and recycled mine discharge water		
NOC from CGWA (Groundwater)	PP submitted that the previous lessee obtained NOC for drawl of ground water for 320 cum/day vide No. 21-4(93) SER/CGWA/2008/1964 dt 09.10.2018 which is valid up to 16.09.2023.		
Transfer of NOC	PP vide Lr no 2742/OMC/F&E/2021 dt 18.02.2021 requested CGWA for transfer of NOC for drawl of ground water over 320 m ³ /day in the name of M/s Odisha Mining Corporation Limited. CGWA has accepted the request and as per the instructions, PP deposited the fees to CGWA for transfer of NOC.		

	PP also submitted that the corrigendum in NOC issued by the Central Ground Water Board vide NOC No.CGWA/IND/Proj/2018-329-R dated 05.12.2022 for groundwater withdrawal issued vide NOC No.CGWA/IND/Proj/2018-329-R dated 09.10.2018, the firm's name mentioned in the letter 'M/s Guali Iron Ore Mines' may be read as 'M/s Odisha Mining Corporation Ltd'.
Permission of Surface water withdrawal	PP vide Lr No: 19480MC/PROJECT/2022 dated 07.02.2022 requested the Engineer in Chief, Water Resources Department to grant permission for surface water withdrawal of 1180 KLD from river Karo.
Ground water intersection	PP reported that the ground water table lies at 490m AMSL and the mine working will go upto 448 m AMSL. The water table will be likely intersected during the 5 th year of the plan period. PP vide their Lr no. 1796/OMC/F&E/2022 dated 02.02.2022 requested the Regional Director, Central Ground Water Board to process the duly submitted application for permission to dewater groundwater for mining.
Additional information (if any)	The Project Proponent vide letter dated 13.03.2023 submitted that the industrial water demand for mining operations is estimated to be 1959 m ³ /day during full fledge mining operation with 30.0 MTPA of Iron ore production capacity.

x. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Direction
Village	Balisahi Village	~ 0.24 Km, W
Town	Barbil Town	~14 km, NE
Highway	NH 520 (Old NH 215)	0.05 km, SE
Railway Station	Barbil	~22 km, NE
Interstate Boundary	Odisha-Jharkhand	~4.5 km, NW
Water Body	TopadihNala	Flowing through ML
	LakhraghatNala	Touching northern side of ML
	Karo River	~0.5 km, W
Permission diversion of TopadihNala	for of	PP their Lr No 14320MC/F&E/2022 dated 25.01.2022 requested the Engineer in Chief, Water Resources Department for diversion of TopadihNala as recommended by Indian Institute of Technology (Indian School of Mines), Dhanbad.

- xi. The Project Proponent submitted that the total mine lease area is 358.258 ha, out of which forest land is 332.100 ha and non-forest land is 26.158 ha. PP submitted that Stage I FC accorded by MoE&F vide No F.No. 8-96/96-FC dated 14th January 2005 for diversion of 42.417 ha of forest land for renewal of Guali Iron ore mine and MoE&F vide No F.No-8-96/96-FC (Pt) dated 6th September 2011 for diversion of 95.0 ha of forest land in addition to 42.417 ha of broken up revenue forest land already diverted in favour of M/s Shri R.P Sao. Thus, the total forest land for which Stage II FC available is 137.417 Ha. PP applied for diversion of forest land for balance area of 194.683 ha vide proposal no FP/OR/MIN/f40713/2021 dated 12.04.2021 in the name of M/s Odisha Mining Corporation Limited, and at present the forest diversion proposal is under scrutiny by PCCF (Nodal). Certificate over 95.00 ha under Schedule Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been issued by the Collector, Keonjhar vide letter No.2223/Rev dt 16.11.2010 prior to grant of Stage - II Forest Clearance. The process to obtain Certificate under Schedule Tribes and other Traditional Forest

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Dwellers (Recognition of Forest Rights) Act, 2006 over total forest land is under progress. PP also reported that following Reserve Forest such as Sidhamath RF (inside lease area), Lakraghat RF (Near to the Lease boundary), Karo RF - 2.2 KM (W), Ulburu RF - 1.0 KM (NW), Thokkabad RF - 4.8 KM (NW), Mendhamurani RF - 3.5 KM (SW), Bairarani RF - 7.3 KM (SE), Kathamaga RF - 7.5 KM (SW) and Torha RF - 8.0 KM (NW) exists within 10km radius of the study area. Further, PP submitted that Proposed Elephant corridor Karo-Karampaga is located at distance of 3.2 km, NW from the mine lease area. The Project Proponent also submitted the proof of payment of Rs 1,00,000/- deposited into the account of CAMPA on 27.10.2021 made towards transfer fee for transfer of forest clearance as per the demand raised by the Office of the Divisional Forest Officer, Keonjhar Division letter dated 25.08.2021.

- xii. The Project Proponent reported that the Schedule-I species such as Indian Elephant & Sloth Bear are found in the study area, PP submitted the list of flora and fauna in the core and buffer zone authenticated from the Office of the Divisional Forest Officer, Keonjhar Division vide Lr No B0408E-Mining-16/2021, Keonjhar dated 13.11.2021 in favour of M/s Odisha Mining Corporation Limited. PP also submitted the Approval of Site-Specific Wildlife Conservation Plan and authentication of location map approved by the Principal CCF (WL) & Chief Wildlife Warden, Orissa vide Lr 321/WL-C-FC-385/08 dated 17.01.2009 for Rs.277.00 lakhs for activities both inside and outside the project area in favour of M/s Shri R.P Sao. Further, the PP submitted that as per the guidelines of State Forest Department, Govt. of Odisha, the Site-Specific Wildlife Conservation Plan is under preparation by DFO, Keonjhar for onward submission to PCCF(WL) & CWLW, Odisha for its approval. The Project Proponent submitted the letter from the Office of the Regional Chief Conservator of Forests, Boudkela Circle vide Lr No. 670/3F(Misc)810/2022 dated 27.02.2023 stating that the DFO, Keonjhar Division has prepared a Site Specific Wildlife Conservation Plan based on the revised guideline issued by the Special Secretary to Government, Forest, Environment & Climate Change, Govt. of Odisha, Bhubaneswar and has been forwarded for necessary approval.
- xiii. The Project Proponent reported that the total area proposed for greenbelt/plantation will be 71.18 ha. PP also reported that at present 11.383 ha within the lease area have been covered by plantations and additionally an area of 4.35 ha will be developed through gap plantation within safety zone area during the plan period 2021-22 to 2025-26 with 10,875 no.s of saplings. PP submitted that 56.90 ha of external dumps and 19.18 ha of mineral storage area will also be afforested. PP earmarked a budget of Rs 8.95 Cr approx. towards development of green plant & plantation till the end of life of mine. PP also submitted an undertaking that the peripheral plantation as well as gap plantation will be completed within 6 months with the seedling of 6-8(L) height with at least 90% survival rate and also the bench plantation will be carried out at least up to 3 benches during mining and up to the water level of the abandoned benches proposed for creation of water bodies.

xiv. Baseline data:

Period	March to May, 2021 - Summer Season
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AAQ parameters at 8 locations	Pollutant	Min. $\mu\text{g}/\text{m}^3$	Max. $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	27	56	45	60
	PM10	67	90	67	100
	SO2	6.4	8.9	6.7	80
	NOx	17.8	25.0	24.4	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM2.5	48	4.8	52.8	60
	PM10	87	9.6	96.6	100
	SO2	8.7	0.5	0.5	80
	NOx	24.4	1.7	1.7	80
Noise level at 8 locations	Day Time: 38.4 to 68.4 Leq dB (A) Night Time: 34.7 to 52.6 Leq dB (A)				
Ground water quality at 5 locations	PP submitted that the pH found in the range of 6.58-7.31. pH in case of GW1, GW2 are slightly towards acidic side. Total Dissolved solids 137-150 mg/l; Total Hardness: 52.6-65.6 mg/l; Total Alkalinity: 36.3-39.5 mg/l and Sulphate: 30.9- 39.21 mg/l. Metals specifically Iron was found in range of 0.016-0.214 mg/l and other toxic substances are all within norms.				
Surface water quality at 7 locations	PP submitted that the trend of surface water quality shows that pH is in range of 7.19-7.48, Electrical conductivity 394-452 $\mu\text{S}/\text{cm}$. DO is in 5.8-6.2 mg/L, BOD 2 1-2.7 mg/l, SAR is in range of 0.64-1.05 whereas Boron and Free ammonia are BDL that is <0.05mg/l. The result shows that all the parameters meet the drinking water criteria in all samples except for colour though exceeding acceptable limit but is within permissible limit. The water from the above sampling locations may be used for drinking purpose only after proper treatment.				
Soil quality at 8 locations	PP submitted that the pH is in range of 5.28-5.67 and moderately acidic in nature. Colour and texture of the soil found to be reddish brown/dark brown and sandy loam/loam respectively which shows well-drained conditions. The water holding capacity and bulk density are in the range of 31.92% - 35.62% and 1.19-1.35 gr/cc respectively. Nitrogen in range of 261-582.4 kg/ha with lower ratings in waste (S1) and barren land (S5). The available phosphorous is from 22.4-51.5 with medium to higher ratings. Available potassium in general is low in all the soil samples analyzed except for S4 and S8 (134.4 kg/ha) wherein it is medium rating. The organic carbons are in range of 0.40-1.06 with higher ratings noted in agricultural field.				
Traffic study	PP submitted that the Traffic Study was carried by CSIR-Central Road Research Institute (CRRI), New Delhi in the month of September, 2021. In the JodaBarbil about 34 mines are in operational stage whereas in the study road network area about 16 mines are in operational and the operational capacity of these mines are about 89.29 MTPA for the base Year (2021) and the 155.85 MTPA for the horizon year (2031). This leads to an additional truck traffic on some of the road links and causes traffic congestion on road network. Turning movement traffic surveys were carried out on normal working days of the week for a 24-hour period from 9:00 AM to 9:00 AM at identified 18 intersections was carried out. Based on the study findings, it was recommended to expand the Guali iron ore mine from the 5.7 MTPA (Current Capacity) to 30 MTPA by considering 70% of the slurry transport and 30% by road transport. Also recommended to provide truck parking at three locations near the Rupudi Intersection.				

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Bhadrasahi Intersection and Kalmong Intersection.

xv. Public Hearing (PH) Details.

Advertisement for PH with date	(i) The Sunday Times (English daily newspaper), dtd. 21.11.2021 & (ii) The Prameya (Odiya daily newspaper), dtd. 21.11.2021
Date of PH	22.12.2021
Venue	Topadihi (GP Loidapada, PS Rugupih, Khata No. 126, Plot No. 100, 101, 104)
Chaired by	AO, Kalmong
Main issues raised during PH	Skill development training, employment, provision of medical and ambulance facility, appointment of doctor, drinking water facility, educational facilities, bus facility for school children, repair of road, provision of street light, rejuvenation of existingallah, formation of self-help groups, development of plantation, ground vibration due to blasting etc..
Budget proposed for addressing issues raised during PH	Rs. 24.45 crores.

xvi. CTE/CTO, Previous EC compliance and past production details:

Consent to Establish (CTE)	Granted by State Pollution Control Board, Odisha vide letter No 5547/IND-II-NOC-5085 dt 31.03.2009
Consent to Operate (CTO)	Granted by State Pollution Control Board, Odisha vide letter No. 18282/IND-I-CON-4427 dt 17.11.2021 for production of 5.7 MTPA with 1x175 TPH, 1x230 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant and is valid upto 31.03.2022 in favour of M/s Odisha Mining Corporation and was valid upto 31.03.2022
Certified EC compliance report for the EC dated 22.05.2009	Issued by Ministry's Integrated Regional Office, Bhubaneswar vide 101-390/21/EPE dated 08.12.2021. Site visit was carried out by IRO on 24.11.2021. During monitoring certain non-compliance/partial complied conditions were observed and the same was communicated to the PP for compliance vide letter dated 20.12.2021 and 08.12.2021.
Examination of Action Taken Report by Ministry's Integrated Regional Office	IRO Bhubaneswar vide Lr No. 101-360/21/EPE dated 28.01.2022 examined the action taken report submitted by PP vide Lr No 82/OMC/Guar/2022 dated 19.01.2022.
Certified past production	Letter issued by the Joint Director of Mines, Joda, vide Memo no 6578/Mines, dated 06.11.2021 for the period July, 1973 to 2020-21 and vide Memo No. 4790/Mines, dated 03.11.2022 for the period July, 1975 to 2021-22.

No mining activity beyond mine lease area	Letter issued from the Office of the Joint Director of Mines, Joda vide Lr No. 6743/Mines, dated 17.11.2021 stating that the present lessee M/s OMC Limited is confined the mining activity within the granted and executed lease hold area and no violation detected
Compliance to Common Cause Judgement of Hon'ble Supreme Court order dated 02.08.2017	<p>PP submitted that the previous lessee M/s R.P. Sao, had deposited a total of Rs. 11,61,20,00,00/- towards the compensation amount in the designated bank account on 29.03.2018 for production of iron ore without E.C/beyond the EC during the years 2000-01 to 2010-11 as per the letter issued from the Office of the Deputy Director of Mines, Joda Circle vide Lr No.4098/Mines, dated 02.09.2017. The deposited amount also includes additional amount paid as interest on the balance amount which could not be deposited within the due date of 31.12.2017. PP also submitted that the compensation amount of Rs. 29,39,18,019/- as demanded towards violation of Mine Plan / CTO from the Office of the Deputy Director of Mines, Joda Circle vide Lr No. 5254/Mines, dated 23.10.2017 has not yet been deposited by the previous lessee.</p> <p>Further, PP submitted that the letter from the Office of the Deputy Director Mines Joda vide Lr No. 4791/Mines, dt 03.11.2022 stating that in pursuance to the judgment dated 02.08.2017 of the Hon'ble Supreme Court of India in the matter of Common Cause vs Union of India and others, the ex-lessee Sri R.P Rao in respect of Guali Iron Ore mines has been demanded compensation w/s 21(S) of MMDR Act, 1957 for production of mineral without EC/MP/CTO and the ex-lessee has paid the demanded compensation amount towards EC violation amounting to Rs 1126,85,17,855/- The compensation amount of Rs. 29,39,18,019/- as demanded towards violation of Mine Plan / CTO from the Office of the Deputy Director of Mines, Joda Circle vide Lr No. 5254/Mines, dated 23.10.2017 has not yet been deposited by the ex-lessee. But the ex-lessee preferred to file Revision Application before the Mines Tribunal, Govt. of India, Ministry of Mines, vide Revision Application No.22/84/2017/RC-1 and the RA vide order dated 21.12.2018 have remanded back to the State Government to hear the matter afresh and pass a detailed and reasoned order. The Govt have disposed off the case vide proceedings no. 8935/SM, dt 17.09.2022 and ordered to realise the demanded amount of compensation. On the basis of the above order, a demand notice was issued</p>

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from this office vide Lr No. 4169/Mines, dt 26.09.2022 for the amount of Rs. 29,39,18,019/-, which is not yet paid by the ex-lessee.

Further, the Project Proponent submitted the letter from the Office of the Directorate of Mines and Geology, Steel and Mines Dept, Govt. of Odisha vide Lr.No. MCII-MACON-0014-2022-2362/DoMG, dated 20.02.2023 stating that Ex-lessee, Sri R.P. Sao is yet to make the payment of the said compensation amount as confirmed from DDM, Joda.

The Project Proponent also submitted the letter from the Office of the Directorate of Mines and Geology, Steel and Mines, Department, Govt. of Odisha vide Lr No. MCII-MACON-0014-2023-7899/DoMG, dated 09.06.2023 stating that the said compensation demand amount of Rs. 29,39,18,019 has not been realized yet from the ex-lessee Sri R.P. Sao till date. Hence, under the provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020, the Project Proponent may apprise the respective authority in respect for approval and clearances. The relevant provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020 is as follows: "No authority shall reject grant of any rights, approvals, clearances, licenses and the like to the new lessee on account of past violations or outstanding dues of the previous lessee, which may be agitated before appropriate forums separately without prejudice to any rightful legal claims of the parties".

- xvii. The Project Proponent submitted that the instant proposal involves land acquisition over an area of 27.66 ha in the village Topadihi, Laidapada and Guali. Rehabilitation & Resettlement (R&R) of 235 households from village Guali, Loidapada and Topadihi will be undertaken. Moreover, 3 Pvt. Companies viz. (i) Thriveni Earth Movers Pvt. Ltd., (ii) Tarini Movers and Transport Pvt. Ltd. And (iii) Sushant Mineral Pvt. Ltd.) will also be covered under R&R Scheme. There are 99 nos. Project Displaced Families (PDFs) and 136 nos. Project Affected Families (PAFs). PP allocated a tentative budget of Rs. 30.23 crores towards R&R. PP submitted the letter from the Dept. of Steel & Mines, Govt. of Odisha vide letter 6f4/SM, Bhubaneswar dated 27.01.2022 to undertake mining operation in the private lands existing in Guali mining lease on the strength of the vested surface right and in due adherence to the applicable provisions of Rule 52 & Rule 53 of Mineral Concession Rules, 2016.

xviii. Court case details:

Court Case	PP submitted that the recovery of the compensation amount of Rs. 29,39,18,019.00 against violation of
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	<p>Mining Plan/CTO raised by DDM, Joda has been stayed by the Revision Authority, Ministry of Mines, Govt. of India vide RA, No. 22/84/2017/RC-1 and RA vide order dated 21.12.2018 have remanded back to the State Govt. to hear the matter afresh and pass a detailed and reasoned order. The Govt. have disposed off the case vide proceedings no. 8935/SM, dt 17.09.2022 and ordered to realise the demanded amount of compensation.</p> <p>Further, Sri Ramesh Prasad Sao, Ex-lessee of Guali Iron Ore Mines has filed Revisional Application No. 22/26/2022 RC-1 on 18.10.2022 before the Revisional Authority, Mines Tribunal, New Delhi under Section 21(5) of the MMDR Act, 1957. Comments has been submitted from the State Govt. on 31.10.2022. The case is pending.</p>
Additional information (if any)	DFO, Keonjhar Forest Division, during the recommendation of Forest Diversion proposal over 194.663 ha, reported at Sl. No. 'E.1: Violation & Action taken thereof' regarding the utilization of 46.0 ha Sabik KISSAM forest land within Guali ML.

xix. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP submitted the Affidavit in a non-judicial stamp paper of Rs. 100 bearing M 054792 dated 09.07.2021 stating M/s Odisha Mining Corporation Limited shall comply with all statutory requirements and judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors
Undertaking of Project Proponent	Project Proponent submitted an undertaking vide Lr No: 1982.OMC/F&E/2022 dated 08.02.2022 stating that the contents (information and data) as given by our consultant (M/s MECON Limited) in the EIA-EMP report are factually correct with full knowledge of the undersigned.
Undertaking of Consultant	Consultant submitted an undertaking vide Lr dated 01.02.2022 stating that the ToR prescribed for above mentioned project has been complied while conducting the EIA-EMP study and the data submitted is factually correct. It is certified that no unethical practices, plagiarism involved in carrying out the work and external data/text has not been used without proper acknowledgement while preparing this EIA report.

xx. Details of the EMP:

Activities	Recurring cost (Lakhs Rs./yr.)	Capital cost (Lakhs Rs.)
Pollution control	30.00	1657
Pollution monitoring (laboratory)	19.00	100
Occupational safety	7.00	5.00
Green belt & plantation at safety zone	44.00	70

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Activities	Recurring cost (Lakhs Rs./yr.)	Capital cost (Lakhs Rs.)
Net Present Value (NPV) of Forest	-	1461
Compensatory Afforestation	-	1172
Wildlife Conservation	-	310
Socio-economic welfare measures in nearby villages (CSR budget)	338.83	-
Total	438.83	4775.0

xxi. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Rs. 463.28 (438.83 + 24.45)
Project Cost	Rs. 1020.6354
Employment	Employment to total 1390 persons (523 persons for expansion)

3. Observation and Recommendation of the Committee:

The EAC noted that the instant proposal is for grant of Environmental Clearance of Auction mine from Shri R. P. Sao to M/s Odisha Mining Corporation Ltd. The Project Proponent informed the EAC that the total mine lease area is 358.258 ha and the proposal is for expansion of production of Iron Ore from 5.7 MTPA to 30.0 MTPA (ROM). The EAC asked the Project Proponent why there is such a huge increase in the production capacity. The Project Proponent informed the EAC that the Subsequent to MMDR, Amendment Act, 2015, the lease period of several non-captive iron ore mines of Odisha expired on 31.03.2020 and as a result, there was a sudden drop in the supply of Iron Ore. In order to meet the increase iron ore demand, Guali Iron Ore mine lease was allotted to M/s Odisha Mining Corporation Ltd for producing 30.0 MTPA of iron ore from the mine lease area to sustain the continuous supply of iron ore. OMC is one of the major suppliers of iron ore to domestic iron & steel producers which does not have captive iron ore mines and also exports iron ore. Many domestic steel producers are planning to increase their capacity. There are many no. of pellet plants in and around the State. Now, the export duty is taken off. The proposed increase in Guali Mine's capacity will contribute to meet the increased iron ore requirements of domestic iron & steel producers, especially those in Odisha and adjoining States. The instant mine has the potential to produce 30.0 MTPA of Iron Ore.

The Project Proponent presented the KML file to indicate the site features in the study area. PP informed the EAC that the Odisha-Jharkhand Interstate boundary is located at a distance of 4.5 km, NW from the mine lease area. PP also indicated the other mines and industries in the 10 km study area. Further, PP informed that the nearest town is Barbil (~14 km, NE), railway station is Barbil (~22 km, NE) and airport is Jharsuguda (~128 km, NW). The seasonal nala Topadihi passes through the lease in south-east to north-west direction which drains into Karo river flowing towards west. The mining area is divided into two blocks, Topadihi (Block A) and Baliasahi (Block B) and in expansion phase Baliasahi (Block B) will be in operation. In the conceptual stage, the accumulated mineral rejects as well as freshly generated mineral rejects will be sold off after being blended with high grade ores.

The EAC asked about the status of the Stage-II Forest Clearance. The Project Proponent informed the EAC that the total mine lease area is 358.258 ha, out of which forest land is 332,100 ha and non-forest land is 26,158 ha. Stage-II FC is available over an area of 137,417 Ha. The EAC observed that the Stage-II FC is available in the name of M/s Siri R.P. Seo. PP also informed the EAC that the diversion of forest land for balance area of 194,583 ha has been submitted vide proposal no FP/OR/MIN/140713/2021 dated 12.04.2021 in the name of M/s Odisha Mining Corporation Limited and is under process. Further, the Project Proponent informed the EAC that the no mining activity was carried out in the non-diverted forest land. The EAC also asked about the status of transfer of forest clearance. PP informed that transfer of forest clearance is also under process. The EAC referred to the judgement of Hon'ble Supreme Court as given under: -

- a) Judgement dated 05.07.2011 in the matter of TN Godavarman Thirumulpac vs UOI & ors. WP No. 202 of 1995 (Lafarge Umiam Mining Pvt. Ltd.);
- b) Judgement passed in Common Cause vs Union of India & ors W.P (c) 114 of 2014 dated 02.08.2017

The Project Proponent informed the EAC that the additionally 1 x 2500 & 1 x 5000 TPH stationary multistage crushing & screening plant will be installed to meet the enhanced production capacity. Only dry crushing & screening units are proposed. No beneficiation plant proposed. About ~22.06 Mt of mineral rejects will be blended with high quality iron ore & sold. Topsoil of about ~0.514 Mt will be generated & concurrently used in plantation. Further, PP informed that about 30% of total iron ore will be transported by trucks via adjacent NH-520 to nearby buyer/railway sidings and 70% of total iron ore through standalone Satellite Grinding Unit (with pumping facility & slurry pipeline) to be established by single or multiple parties having beneficiation & pellet plants.

The Project Proponent informed the EAC that the proposed project envisages diversion of Topadihi Nala flowing through the ML area. The EAC was of the view that the natural waterbodies or nala should not be diverted. PP informed the EAC that the nala diversion study has been carried out by IIT (ISM), Dhanbad. The study concluded that "the proposed diverted nala will start from LP12 and end near LP 23 and it will stretch towards east along the boundary of the Guali Iron Ore Mines lease area and merge with check dam at location LP23. Beyond the end point of the proposed nala, the water flow will continue through an existing natural stream for 6.33 km and will end at the Karo river. The proposed nala has been designed for the maximum flow rate including pump flow rate. When the nala stretched towards the east, the need of excavation is less than the other possible directions of diversion and the length of the proposed nala is also shorter, hence will reduce the construction cost". The EAC opined that the Project Proponent also needs to explore the possibility of avoiding the diversion of nala by Indian Institute of Technology (Indian School of Mines), Dhanbad. The EAC observed that the PP vide Lr No 1432CMC/T-&E/2022 dated 25.01.2022 requested the Engineer in Chief, Water Resources Department for diversion of Topadihi Nala as recommended by Indian Institute of Technology (Indian School of Mines), Dhanbad and is still under consideration. The EAC also observed that the permission for withdrawal of surface water of 1180 KLD from River Karo and permission for dewatering of groundwater of 729.281 cu.m/day is under process.

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PP informed that the movement of Elephant & Sloth Bear is rarely found in the buffer zone. At the conceptual stage, excavated area of 212.27 ha will be converted into water body. Slope and Dump Stability Study has been carried out by CSIR-Central Institute of Mining and Fuel Research (CIMFR), Dhanbad. The slopes of external dumps are planned at an overall angle of less than 28° with individual lifts at less than 37°. As the dumps attain final position, the slopes will be terraced and proper vegetation will be laid which will cause binding of the soil preventing any slope failure. Retaining walls will be built all-around the external dumps which will have weep holes for passage of storm water to join garland drains. Traffic Study was carried out by CSIR-Central Road Research Institute (CRR), New Delhi, in month of September, 2021. The expansion proposal covers an area of 27.88ha in village Topodhi, Laipada & Guali under R&R and it involves 235 hols including 232 families & 3 Pvt. Companies viz. (i) Triveni Earth Movers Pvt. Ltd., (ii) Tarini Movers & Transport Pvt. Ltd. and (iii) Sushant Mineral Pvt. Ltd. Budget of Rs 3023.94 Lakhs has been earmarked under R&R. About Rs. 24.45 Cr has been earmarked to address the concerns of the public hearing and the same will be completed within 3 years from the start of mining operations.

The Project Proponent informed the EAC that the previous lessee M/s. R.P. Sao, had deposited a total of Rs. 11,61,20,00,000/- towards the compensation amount in the designated bank account on 29.03.2018, for production of iron ore without E.C/beyond the EC during the years 2000-01 to 2010-11 as per the letter issued from the Office of the Deputy Director of Mines, Joda Circle vide Lr No.4088/Mines, dated 02.09.2017. The compensation amount of Rs. 29,39,18,019/- as demanded towards violation of Mine Plan / CTO from the Office of the Deputy Director of Mines, Joda Circle vide Lr No. 5254/Mines, dated 23.10.2017 has not yet been deposited by the previous lessee. The recovery of the compensation amount of Rs. 29,39,18,019.00 against violation of Mining Plan/CTO raised by DDM, Joda has been stayed by the Revision Authority, Ministry of Mines, Govt. of India vide RA. No. 22/84/2017/RC-1 and RA vide order dated 21.12.2018 have remanded back to the State Govt. to hear the matter afresh and pass a detailed and reasoned order. The Govt. have disposed off the case vide proceedings no 8935/SM, dt 17.09.2022 and ordered to realise the demanded amount of compensation. Further, Sri Ramesh Prasad Sao, Ex-lessee of Guali Iron Ore Mines has filed Revisional Application No. 22/26/2022 RC on 18.10.2022 before the Revisional Authority, Mines Tribunal, New Delhi under Section 21(5) of the MMDR Act, 1957. Comments has been submitted from the State Govt. on 31.10.2022. The case is pending and the matter is sub-judice.

Further, the Project Proponent has submitted the letter from the Office of the Directorate of Mines and Geology, Steel and Mines, Department, Govt. of Odisha vide Lr No. MCI-(MAGON-0014-2023-7899/DoMG, dated 09.06.2023 stating that the said compensation demand amount of Rs. 29,39,18,019 has not been realized yet from the ex-lessee Sri R.P. Sao till date. Hence, under the provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020, the Project Proponent may apprise the respective authority in respect for approval and clearances. The relevant provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020 is as follows: "No authority shall reject grant of any rights, approvals, clearances, licenses and the like to the new lessee on account of past violations or outstanding dues of the previous lessee which

may be agitated before appropriate forums separately without prejudice to any rightful legal claims of the parties".

The EAC asked the Project Proponent to show the Certified Compliance Report (CCR) issued by the Integrated Regional Office (IRO). PP informed the EAC that the CCR was issued by the Integrated Regional Office, Bhubaneswar vide letter dated 08.12.2021. Site visit was carried out by IRO on 24.11.2021. During monitoring certain non-compliances/partially complied conditions were observed and the same was communicated for compliance vide letter dated 20.12.2021 and 08.12.2021. IRO, Bhubaneswar vide letter dated 28.01.2022 examined the action taken report submitted by PP vide letter dated 19.01.2022. The EAC asked about the status of the Wildlife Conservation Plan. The Project Proponent informed that the Site Specific Wildlife Conservation Plan has to be prepared by the respective DFO and will submit the Site Specific Wildlife Conservation Plan to the PCCF for approval as per the recent guidelines of the Forest Dept.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that there is about 5 times increase in production capacity i.e. from 5.7 MTPA to 30.0 MTPA and the EAC opined that the potential impact of the pollution will be higher due to expansion in production capacity in the vicinity of the mine lease area. Thus, the EAC opined to grant the Environmental Clearances (EC) in three phases i.e., 12.0 MTPA, 20.0 MTPA and 30.0 MTPA in order to ensure the environmental safeguards are in place. Therefore, the EAC recommended the proposal under the provisions of EIA Notification, 2006 for grant of Environmental Clearance (EC) for mining of Iron ore in Guali Iron ore mine of M/s Odisha Mining Corporation Limited for expansion in production capacity of 5.0 MTPA to 30.0 MTPA with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste 7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant for the restricted working area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha, located at village(s) Guali, Lokapada, Panduliposhi, Topadihi, Rugudhi, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha subject to the specific conditions in addition to the standard EC conditions applicable for non-coal mining projects.

4. The matter was examined in the EAC in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and as per Ministry's Forest Conservation Division OM dated 31.05.2023, the undersigned is directed to say that the Ministry of Environment Forest & Climate Change after accepting the recommendation of EAC during its 7th EAC (Non-Coal Mining) meeting held during 5th - 6th December, 2022 and 20th June, 2023 hereby accords Environmental Clearance (EC) to M/s Odisha Mining Corporation Limited for mining of Iron ore in Guali Iron ore mine for expansion in production capacity of 5.0 MTPA to 30.0 MTPA with total excavation of 37.67 Million TPA [Saleable Iron ore- 27.44 Million TPA, Mineral rejects-2.56 Million TPA, Waste 7.48 Million TPA, Topsoil- 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH, 1x200 TPH, 2x400 TPH

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Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant for the restricted working area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha, located at Village(s) Guati, Loidapada, Panduliposhi, Topadihi, Rugudihā, Sidhamiath R.F. in Barbil Tehsil, Keonjhar District, Odisha subject to compliance of the terms & conditions and the environmental safeguards mentioned below:-

A. SPECIFIC CONDITIONS:

- i. The Environmental Clearance (EC) will be valid for 8 years from the date of issue of this EC as the life of the mine is 8 years.
- ii. The Environmental Clearance (EC) is accorded for the reduced area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha.
- iii. This Environmental Clearance is accorded for the production capacity of 12.0 MTPA of Iron Ore only.
- iv. The Project Proponent needs to submit the copy of the receipt from the Directorate of Mines and Geology (DMG), Govt. of Odisha for compensation demand amount of Rs. 29,39,18,019/- as and when realized from the ex-lessee, as per DMG letter dated 09.06.2023.
- v. The further expansion of 20.0 MTPA will be considered only after achieving the production of 12 MTPA and based on the satisfactory compliance of Environment Clearance condition as per Ministry's OM dated 11th April, 2022. The Project Proponent needs to submit the satisfactory certified compliance report from the Integrated Regional Office (IRO) for the granted EC capacity of 12.0 MTPA.
- vi. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- vii. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- viii. The Project Proponent should install the one continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- ix. The Project Proponent needs to monitor the ground induced blasting vibrations for every blast through authorized institutes and the results are to be compared with the

limiting values prescribed by Director General of Mine Safety (DGMS). PP shall ensure that the values of "peak particle velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS from time to time. The data needs to be maintained and submitted along with the six monthly compliance report

- x. The Project Proponent needs to monitor the air quality, noise level and ground vibration during drilling and blasting at the edge of the mine, near the village, crushing/screening plant and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.
- xi. The Project Proponent shall ensure that the low grade ore shall be effectively utilized.
- xii. The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area.
- xiii. The Project Proponent needs to complete the entire peripheral plantation under green belt, safety barrier plantation and gap plantation within three years from the start of mining operations. The project Proponent should plant quality sampling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. Project Proponent needs to undertake the adequate bench plantation and on the terrace of the waste dump to prevent the soil erosion
- xiv. The Project Proponent shall make the actual count on the seedlings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office
- xv. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. The dense plantation shall be carried out in the vicinity of the crusher. The Stack emission monitoring of the Crusher shall be carried out at periodic intervals
- xvi. The Project Proponent needs to construct and commission the sewage treatment plant of 250KLD.
- xvii. The Project Proponent needs to provide the roof top rainwater harvesting structures at all office and residential buildings in and around mine premises within 6 months from the issue of this EC.
- xviii. The Project Proponent needs to install the Oil and Grease separation unit

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- xix. The Project Proponent shall convert the haul road into blacktop road and cement concrete road at the entrance of the mine.
- xx. The Project Proponent should implement the recommendations of the Slope and Dump Stability Study carried out by CSIR-Central Institute of Mining and Fuel Research (CIMFR), Dhanbad. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office (IRO) along with the six monthly compliance report.
- xxi. The Project Proponent shall explore the possibility of using electric/CNG/Solar based equipment's and machineries to reduce the diesel consumption.
- xxii. The budget of Rs. 24.45 Cr to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.
- xxiii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 438.83 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.
- xxiv. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- xxv. The Project Proponent needs to facilitate the online education system in the identified schools by providing Wi-Fi connectivity, smart classrooms and desktops/tablets.
- xxvi. The new lessee, after obtaining Letter of Intent (LoI), shall obtain approval under the FCA-1980 following due procedure, for non-forestry use of forest land falling in such mining lease for continuing mining operation beyond two years during which it has deemed to have acquired rights to undertake mining operation. In case, approval under the FCA-1980 is not obtained within the stipulated time of two years of commencement of lease by the new lessee, the mining operation shall be stopped till such approval has been obtained.
- xxvii. While obtaining approval under the provisions of FCA-1980 as per clause (b) above, the new lessee shall pay the Net Present Value (NPV) for the total forest area located within the mining lease, along with any other amount due as per guidelines issued by Government of India from time to time. However, on the date of issuance of LoI, the state government shall realize a lump sum amount at the rate of Rs 7.50 lakh per ha (for the total forest area within the mining lease) from the new LoI holder. This amount shall be deposited into the account of CAMPA, which will be

adjusted against actual compensatory levies payable on the forest land, at the time of approval as per clause (b) above.

- xxvii. NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
- xxix. The Project Proponent needs to comply with the Guidelines under Forest (Conservation) Act, 1980 for transfer of approvals granted under the Forest (Conservation) Act, 1980 to mining leases allotted to new lessee as per the provisions of the Mines & Minerals (Development and Regulation) Amendment Act, 2021 issued by the Ministry vide dated 07.07.2021.
- xxx. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF&CC before 1st July of every year.
- xxxi. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxxii. The Project Proponent shall take adequate measures to prevent the pilferage of mineral.
- xxxiii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The Implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.
- xxxv. If Elephant Corridors are notified as Protected Area under Wildlife (Protection) Act, 1972, the proposal that are connected with the corridors needs to be go through the Standing Committee of National Board for Wildlife (SCNBWL).
- xxxv. Project proponent needs to comply the court orders in WP (C) No. 14057/2023, 14708/2022 before Hon'ble High Court of Orissa and OA No: 129/2018/EZ & Executive application no.03/2022 before Hon'ble NGT and any court of law.

B. Recommendation of CSIR-NEERI Report on "Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining Activity in Keonjhar, Sundargarh and Mayurbhanj districts of Odisha State: The Committee has also deliberated the various specific recommendations of carrying capacity study report conducted by CSIR-NEERI w.r.t. mining proposal of Iron Ore and/or manganese in the

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State of Odisha. There are recommendations which needs to be implemented by the State Govt. of Odisha and Project Proponent. Based on detailed deliberations on the recommendations of the carrying capacity study report, the Committee has also recommended the following specific conditions viz.

- 1) Project Proponent and Department of Steel & Mines, Govt. of Odisha shall ensure the implementation of recommendations of carrying capacity study report conducted by CSIR-NEERI w.r.t mining proposal of Iron Ore and/or manganese in the State of Odisha.
- 2) Department of Steel & Mines, Govt. of Odisha should prepare 5 years regional plan for annual iron ore requirement from the state, which in turn shall be met from different mines/zones (e.g. Joda, Koira) in the state. Accordingly, sustainable annual production (SAP) for each zone/mine may be followed, adopting necessary environmental protection measures.
- 3) Project Proponent shall construct the cement concrete road from mine entrance and exit to the main road with proper drainage system and green belt development along the roads, and also construction of road with minimum 300 m inside the mine. This should be done within one year for existing mines and new mine should have since beginning. The Department of Steel & Mines, Govt. of Odisha should ensure the compliance and should not issue the Mining Permits, if mine lease holder has not constructed proper cement concrete road as suggested. This Environmental Clearance for the expansion project shall be operated only after the compliance of the above mentioned specific condition.
- 4) The Committee observed that as per the recommendations of NEERI report the PP needs to do regular vacuum cleaning of all mineral carrying roads aiming at "zero dust re-suspension" within 3 months. This Environmental Clearance for the expansion project shall be operated only after the compliance of the above mentioned specific condition.
- 5) Project Proponent shall monitor the environmental quality parameters as per EC and CTE/CTO conditions, and implementation of suggested measures for control of road dust and air pollution. Odisha State Pollution Control Board has to ensure the compliance of CTE/CTO. Regional office of the MoEF&CC, Bhubaneswar shall monitor the compliance of the EC conditions. Regional office of the Indian Bureau of Mines (IBM) shall monitor the compliance of mining plan and progressive mine closure plan. Any violation by mine lease holder may invite actions per the provisions of applicable Acts.
- 6) Project Proponent shall ensure the compliance of Suggested Ore Transport Mode (SOTM) with association of the State Government of Odisha. All existing mines should ensure adoption of SOTM within next 5 years. New mines or mines seeking expansion should incorporate provision of SOTM in the beginning itself, and should have system in place within next 5 years.
- 7) The State Govt. of Odisha shall ensure dust free roads in mining areas wherever the road transportation of mineral is involved. The road shoulders shall be paved with fence besides compliance with IRC guidelines. All the roads should have proper drainage system and apart from paving of entire carriage width the remaining right of way should have native plantation (dust capturing species). Further, regular maintenance should also be ensured by the Govt. of Odisha.

Progress on development of dust free roads, implementation of SOTM, increased use of existing rail network, development of additional railway network/conveyor belt/ pipelines etc. shall be submitted periodically to Regional office of the MoEF&CC.

- 8) Project Proponent shall develop the parking plazas for trucks with proper basic amenities/ facilities inside the mine. This should be done within one year for existing mines and new mines should have since beginning. This Environmental Clearance for the expansion project shall be operated only after the compliance of the above mentioned specific condition.
- 9) Department of Steel & Mines shall ensure the construction of NH 215 as minimum 4 lane road with proper drainage system and plantation and subsequent regular maintenance of the road as per IRC guidelines. Construction of other mineral carrying roads with proper width and drainage system along with road side plantation to be carried out. This shall be completed within 2 Years.
- 10) Regular vacuum cleaning of all mineral carrying roads aiming at "Zero Dust Re-suspension" shall be adopted by PWD / NEIA/ Mine Lease Holders within a time Period of 3 months for existing roads. This Environmental Clearance for the expansion project shall be operated only after the compliance of the above mentioned specific condition.
- 11) In case the total requirement of iron ore exceeds the suggested limit for that year, permission for annual production by an individual mine may be decided depending on approved EC capacity (for total actual dispatch) and actual production rate of individual mine during last year or any other criteria set by the State Govt., i.e. Dept. of Steel & Mines. Department of Steel and Mines in consultation with Indian Bureau of Mines-RO should prepare in advance mine-wise annual production scenario so that demand for iron ore can be anticipated, and actual production/dispatch does not exceed the suggested annual production.
- 12) R&D studies towards utilization of low-grade iron ore should be conducted through research/academic institutes like IIMT, Bhubaneswar, NML, Jamshedpur, and concerned metallurgical departments in IITs, NITs etc, targeting full utilization of low-grade iron ore (Fe content upto 45% by 2020 and upto 40% by 2025). In fact, life cycle assessment of whole process including environmental considerations should be done for techno-economic and environmental viability. R&D studies on utilization of mine wastewater having high concentration of Fe content for different commercial applications in industries such as cosmetics, pharmaceutical, paint industry should also be explored. Responsibility: IBM, Dept. of Steel & Mines, Individual Mine Lease Holders.
- 13) The mining activity in Joda-Koira sector is expected to continue for another 100 years, therefore, it will be desirable to develop proper rail network in the region. Rail transport shall not only be pollution free mode but also will be much economical option for iron ore transport. The rail network and/or conveyor belt system upto public railway siding roads to be created. The total length of the conveyor belt system/ rail network to be developed from mines to nearest railway sidings by 11 mines in Joda region is estimated to be about 64 km. Similarly, In Koira region, total length of rail network/ conveyor system for 8 mines (under SOTM 1 & 2) is estimated to be around 95 km. Further, it is suggested to develop a rail network connecting Banspani (Joda region) and Roxy railway sidings in Koira region.

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Responsibility: Dept. of Steel & Mines, Govt. of Odisha and Concerned Mines along with Indian Railways. Time Period: Maximum 7 years (by 2025). The Department of Steel & Mines, Govt. of Odisha should follow-up with the concerned Departments and railways so that proposed proper rail network is in place by 2025.

- 14) State Govt. of Odisha shall make all efforts to ensure exhausting all the iron & manganese ore resources in the existing working mines and from disturbed mining leases/zones in Joda and Koira region. The criteria suggested shall be applicable while suggesting appropriate lease area and sustainable mining rate. Responsibility: Dept. of Steel & Mines, Govt. of Odisha.

- 15) **Mining Operations/Process Related:** Project Proponent shall implement the following mitigation measures: (i) Appropriate mining process and machinery (viz. right capacity, fuel efficient) should be selected to carry out various mining operations that generate minimal dust/air pollution, noise, wastewater and solid waste, e.g. drills should either be operated with dust extractors or equipped with water injection system. (ii) After commencement of mining operation, a study should be conducted to assess and quantify emission load generation (in terms of air pollution, noise, waste water and solid waste) from each of the mining activity (including transportation) on annual basis. Efforts should be made to further eliminate/ minimize generation of air pollution/dust, noise, wastewater, solid waste generation in successive years through use of better technology. This shall be ensured by the respective mine lease holders. (iii) Various machineries/equipment selected (viz. dumpers, excavators, crushers, screen plants etc.) and transport means should have optimum fuel/power consumption, and their fuel/power consumption should be recorded on monthly basis. Further, inspection and maintenance of all the machineries/ equipment/ transport vehicles should be followed as per manufacturer's instructions/ recommended time schedule and record should be maintained by the respective mine lease holders. (iv) Digital processing of the entire lease area using remote sensing technique should be carried out regularly once in 3 years for monitoring land use pattern and mining activity taken place. Further, the extent of pit area excavated should also be demarcated based on remote sensing analysis. This should be done by ORSAC (Odisha Space Applications Centre, Bhubaneswar) or an agency of national repute or if done by a private agency, the report shall be vetted/ authenticated by ORSAC, Bhubaneswar. Expenses towards the same shall be borne by the respective mine lease holders. Responsibility: Individual Mine Lease Holders.

- 16) **Air Environment Related:** Project Proponent shall implement the following mitigation measures: (i) Fugitive dust emissions from all the sources should be controlled regularly on daily basis. Water spraying arrangement on haul roads, loading and unloading and at other transfer points should be provided and properly maintained. Further, it will be desirable to use water fogging system to minimize water consumption. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the CPCB in this regard. (ii) The core zone of mining activity should be monitored on daily basis. Minimum four ambient air quality monitoring stations should be established in the core zone for SPM, PM10, PM2.5, SO2, NOx and CO monitoring. Location of air quality monitoring stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board (based on Emission Load Assessment Study). The number of monitoring locations may be

more for larger capacity mines and working in larger area. Out of four stations, one should be online monitoring station in the mines having more than 3 MTPA EC Capacity. (iii) Monitoring in buffer zone should be carried out by SPCB or through NARET accredited agency. In addition, air quality parameters (SPM, PM10, PM2.5, SO2, NOx and CO) shall be regularly monitored at locations of nearest human habitation including schools and other public amenities located nearest to source of the dust generation as applicable. (iv) Emissions from vehicles as well as heavy machinery should be kept under control and regularly monitored. Measures should be taken for regular maintenance of vehicles used in mining operations and in transportation of mineral. (v) The vehicles shall be covered with a tarpaulin and should not be overloaded. Further, possibility of closed container trucks should be explored for direct to destination movement of iron ore. Air quality monitoring at one location should also be carried out along the transport route within the mine (periodically, near truck entry and exit gate). Responsibility: Individual Mine Lease Holders and SPCB.

17) **Noise and Vibration Related:** Project Proponent shall implement the following mitigation measures: (i) Blasting operation should be carried out only during daytime. Controlled blasting such as Nonel, should be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMA, etc. should be provided with ear plugs/muffs. (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone. Further, date, time and distance of measurement should also be indicated with the noise levels in the report. The data should be used to map the noise generation from different activities and efforts should be made to maintain the noise levels with the acceptable limits of CPCB (CPCB, 2000). (iv) Similarly, vibration at various sensitive locations should be monitored atleast once in month, and mapped for any significant changes due to successive mining operations. Responsibility: Individual Mine Lease Holders.

18) **Water/Wastewater Related:** Project Proponent shall implement the following mitigation measures: (i) In general, the mining operations should be restricted to above ground water table and it should not intersect groundwater table. However, if enough resources are estimated below the ground water table, the same may be explored after conducting detailed geological studies by GSI and hydro-geological studies by CGWB or NH or institute of national repute, and ensuring that no damage to the land stability/ water aquifer system shall happen. The details/ outcome of such study may be reflected/incorporated in the EIA/EEMP report of the mine appropriately. (ii) Natural watercourse and/or water resources should not be obstructed due to any mining operations. Regular monitoring of the flow rate of the springs and perennial naalas should be carried out and records should be maintained. Further, regular monitoring of water quality of naalas and river passing through the mine lease area (upstream and downstream locations) should be carried out on monthly basis. (iii) Regular monitoring of ground water level and its quality should be carried out within the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring should be carried out on monthly basis. (iv) In order to optimize water requirement, suitable conservation measures to augment ground water resources in the area should be undertaken in consultation with Central Ground Water Board (CGWB). (v) Suitable rainwater harvesting measures on long term basis should be planned and implemented in consultation with CGWB, to recharge

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the ground water source. Further, CGWB can prepare a comprehensive plan for the whole region. (vi) Appropriate mitigation measures (viz. ETP, STP, garland drains, retaining walls, collection of runoff etc.) should be taken to prevent pollution of nearby river/other water bodies. Water quality monitoring study should be conducted by State Pollution Control Board to ensure quality of surface and ground water sources on regular basis. The study can be conducted through NABL/ NABET approved water testing laboratory. However, the report should be vetted by SPCB. (vii) Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated in ETP so as to conform to the discharge standards applicable. (viii) Oil and grease trap should be installed before discharge of workshop effluents. Further, sewage treatment plant should be installed for the employees/colony, wherever applicable. (ix) Mine lease holder should ensure that no silt originating due to mining activity is transported in the surface water course or any other water body. Appropriate measures for prevention and control of soil erosion and management of silt should be undertaken. Quantity of silt/soil generated should be measured on regular basis for its better utilization. (x) Erosion from dumps site should be protected by providing geo-textile matting or other suitable material, and thick plantation of native trees and shrubs should be carried out at the dump slopes. Further, dumps should be protected by retaining walls. (xi) Trenches / garland drain should be constructed at the foot of dumps to arrest silt from being carried to water bodies. Adequate number of check dams should be constructed across seasonal/perennial nallas (if any) flowing through the mine lease areas and silt be arrested. De-silting at regular intervals should be carried out and quantity should be recorded for its better utilization, after proper soil quality analysis. (xii) The water so collected in the reservoir within the mine should be utilized for the sprinkling on hauls roads, green belt development etc. (xiii) There should be zero waste water discharge from the mine. Based on actual water withdrawal and consumption/ utilization in different activities, water balance diagram should be prepared on monthly basis, and efforts should be made to optimize consumption of water per ton of ore production in successive years. Responsibility: Individual Mine Lease Holders, SPCB and CGWB.

- 19) Land/ Soil/ Overburden Related: Project Proponent shall implement the following mitigation measures: (i) The top soil should temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long (not more than 3 years or as per provisions mentioned in the mine plan/ scheme). The topsoil should be used for land reclamation and plantation appropriately. (ii) Fodder plots should be developed in the non-mineralized area in lieu of use of grazing land, if any. (iii) Over burden/ low grade ore should be stacked at earmarked dump site (s) only and should not be kept active for long period. The dump height should be decided on case to case basis, depending on the size of mine and quantity of waste material generated. However, slope stability study should be conducted for larger heights, as per IBM approved mine plan and DGMS guidelines. The OB dump should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles should be undertaken for stabilization of the dump. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Proper records should be maintained regarding species, their growth, area coverage etc. (iv) Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine operation, soil, OB and mineral dumps. The water so collected can be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon and should be maintained properly. Appropriate documents should be

maintained. Garland drain of appropriate size, gradient and length should be constructed for mine pit, soil, OB and mineral dumps and sump capacity should be designed with appropriate safety margin based on long term rainfall data. Sump capacity should be provided for adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de-silted at regular intervals. (v) Backfilling should be done as per approved mining plan/scheme. There should be no OB dumps outside the mine lease area. The backfilled area should be afforested, aiming to restore the normal ground level. Monitoring and management of rehabilitated areas should continue till the vegetation is established and becomes self-generating. (vi) Hazardous waste such as, waste oil, lubricants, resin, and coal tar etc. should be disposed off as per provisions of Hazardous Waste Management Rules, 2016, as amended from time to time. Responsibility: Individual Mine Lease Holders.

20) **Ecology/Biodiversity (Flora-Fauna) Related:** Project Proponent shall implement the following mitigation measures: (i) All precautionary measures should be taken during mining operation for conservation and protection of endangered fauna namely elephant, sloth bear etc. spotted in the study area. Action plan for conservation of flora and fauna should be prepared and implemented in consultation with the State Forest and Wildlife Department within the mine lease area, whereas outside the mine lease area, the same should be maintained by State Forest Department. (ii) Afforestation is to be done by using local and mixed species saplings within and outside the mining lease area. The reclamation and afforestation is to be done in such a manner like exploring the growth of fruit bearing trees which will attract the fauna and thus maintaining the biodiversity of the area. As afforestation done so far is very less, forest department needs to identify adequate land and do afforestation by involving local people in a time bound manner. (iii) Green belt development carried out by mines should be monitored regularly in every season and parameters like area under vegetation/plantation, type of plantation, type of tree species /grass species/scrubs etc., distance between the plants and survival rate should be recorded. (iv) Greenbelt is an important sink of air pollutants including noise. Development of green cover in mining area will not only help reducing air and noise pollution but also will improve the ecological conditions and prevent soil erosion to a greater extent. Further, selection of tree species for green belt should constitute dust removal/dust capturing plants since plants can act as efficient biological filters removing significant amounts of particulate pollution. Thus, the identified native trees in the mine area may be encouraged for plantation. Tree species having small leaf area, dense hair on leaf surface (rough surface), deep channels on leaves should be included for plantation. (v) Vetiver plantation on inactive dumps may be encouraged as the grass species has high strength of anchoring besides medicinal value. (vi) Details of compensatory afforestation done should be recorded and documented by respective forest divisions, and State Forest Department should present mine-wise annual status, along with expenditure details. Responsibility: Individual Mine Lease Holders and State Forest & Wildlife Department

21) **Socio-Economic Related:** Project Proponent shall implement the following mitigation measures. (i) Public interaction should be done on regular basis and social welfare activities should be done to meet the requirements of the local communities. Further, basic amenities and infrastructure facilities like education, medical, roads, safe drinking water, sanitation, employment, skill development, training institute etc. should be developed to alleviate the quality of life of the

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people of the region. (ii) Land outees and land losers/affected people, if any, should be compensated and rehabilitated as per the national/state policy on Resettlement and Rehabilitation. (iii) The socio-economic development in the region should be focused and aligned with the guidelines/initiatives of Govt. of India/ NITI Aayog around prosperity, equality, justice, cleanliness, transparency, employment, respect to women, hope etc. This can be achieved by providing adequate and quality facilities for education, medical and developing skills in the people of the region. District administration in association with mine lease holders should plan for "Samagra Vikas" of these blocks well as other blocks of the district. While planning for different schemes in the region, the activities should be prioritized as per Pradhan Mantri Kshetra Kalyan Yojna (PMKKKY), notified by Ministry of Mines, Govt. of India. vide letter no. 167/2017-MVI (Part), dated September 16, 2015. Responsibility: District Administration and Individual Mine Lease Holders.

- 22) **Road Transport Related:** Project Proponent shall implement the following mitigation measures: (i) All the mine lease holders should follow the suggested ore transport mode (SOTM), based on its EC capacity within next 5 years. (ii) The mine lease holders should ensure construction of cement road of appropriate width from and to the entry and exit gate of the mine. Further, maintenance of all the roads should be carried out as per the requirement to ensure dust free road transport. (iii) Transportation of ore should be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore/dust takes place. Further, air quality in terms of dust, PM10 should be monitored near the roads towards entry & exit gate on regular basis, and be maintained within the acceptable limits. Responsibility: Individual Mine Lease Holders and Dept. of Steel & Mines.
- 23) **Occupational Health Related:** Project Proponent shall implement the following mitigation measures: (i) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects periodically. (ii) Occupational health surveillance program for all the employees/workers (including casual workers) should be undertaken periodically (on annual basis) to observe any changes due to exposure to dust, and corrective measures should be taken immediately, if needed. (iii) Occupational health and safety measures related awareness programs including identification of work related health hazard, training on malaria eradication, HIV and health effects on exposure to mineral dust etc., should be carried out for all the workers on regular basis. A full time qualified doctor should be engaged for the purpose. Periodic monitoring (on 6 monthly basis) for exposure to respirable minerals dust on the workers should be conducted, and record should be maintained including health record of all the workers. Review of impact of various health measures undertaken (at an interval of 3 years or less) should be conducted followed by follow-up of actions, wherever required. Occupational health centre should be established near mine site itself. Responsibility: Individual Mine Lease Holders and District Administration (District Medical Officer).

C. STANDARD CONDITIONS

I. Statutory compliance



- (1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NCT and any other Court of Law. Common Cause Conditions as may be applicable.
- (2) The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- (3) The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- (4) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA, II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- (5) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- (6) State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- (7) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- (8) The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred, PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

II. Air quality monitoring and preservation

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- (9) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/2009/1-C1A, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
- (10) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machines and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

III. Water quality monitoring and preservation

- (11) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- (12) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells, as well as new piezo-meter installations during the mining operation. In consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- (13) The Project Proponent shall undertake regular monitoring of natural water courses/ water resources/ springs and perennial nullahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-à-vis suitability for

usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six monthly basis.

- (14) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TSS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
- (15) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
- (16) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- (17) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

IV. Noise and vibration monitoring and prevention

- (18) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- (19) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a

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night for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villagers is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.

- (20) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

V. Mining plan

- (21) The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.), mining technology; lease area; scope of working. (method of mining, overburden & dump management, O B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
- (22) The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

VI. Land reclamation

- (23) The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
- (24) The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozers/ compactors thereby ensuring proper

filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

- (25) Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly particularly after monsoon season, and maintained properly.
- (26) Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains

VII. Transportation

- (27) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control' (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].
- (28) The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

VIII. Green Belt

- (29) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- (30) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- (31) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.

IX. Public hearing and human health issues

- (32) Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile inlets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

X. Corporate Environment Responsibility (CER)

- (33) The Project Proponent shall submit the time-bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.



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XI. Miscellaneous

- (34) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
- (35) The Project Authorities should inform to the Regional Office regarding date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (36) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- (37) A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
- (38) The concerned Regional Office of the MoEF&CC shall regularly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
- (39) In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- (40) The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection
- (41) Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

5. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.

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6. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

7. This issues with the approval of Competent Authority.

Yours faithfully,
Pankaj Verma
(Pankaj Verma)
Scientist E

Copy to:

- i. The Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- ii. The Chief Secretary, Government of Odisha, Secretariat, Bhubaneswar.
- iii. The Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
- iv. The Secretary, Department of Mines and Geology, Government of Odisha, Secretariat, Bhubaneswar.
- v. The Secretary, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
- vi. The Secretary, Department of Steel and Mines, Government of Odisha, Secretariat, Bhubaneswar.
- vii. The Member Secretary, Odisha Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- viii. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar - 751023.
- ix. The Chief Wildlife Warden, Prakurti Bhawan, 5th floor, BDA Apartment, Nilakanthanagar, Nayapalli, Bhubaneswar-751012, Odisha.
- x. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- xi. The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440001.
- xii. The Member Secretary, Central Ground Water Board, Ministry of Agriculture and Irrigation, 12/1 Jam Nagar House, Shahjahan road, New Delhi 110011.
- xiii. The District Collector, Keonjhar District, Govt. of Odisha.
- xiv. Guard File.
- xv. PARIVESH Portal.

Pankaj Verma
(Pankaj Verma)
Scientist E

Diverted Forest Boundary pillars within Guali Iron Ore Mines

