

JSW Utkal Steel Limited



No.-JSW/U/O/2022/37

Date: 14.03.2022

To,

The Divisional Forest Officer
Keonjhar Forest Division
KEONJHAR
Dist.- Keonjhar

Sub: Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

X-Sub: Submission of Compliance of total (xxv) nos. of conditions stipulated under 'Stage-I /In-Principle' approval dated 23.12.2019 imposed by Eastern Regional Office (ERO), MoEF&CC, Govt. of India.

Ref: 1. File No. 5-ORC400/2019-BHU dated 23.12.2019 of ERO, MoEFCC, GOI, BBSR.
2. Letter No.-10F (Cons) 103/19/796 F&E, dated 10.01.2020 from F&E Dept., GOO.
3. Letter No.- 309/6F-Mining -305/208 dated 20.01.2020 from DFO, Keonjhar.

Dear Sir,

With reference to the above mentioned letters on the captioned subject, we are furnishing herewith the detailed compliance report on total (xxv) Nos. of conditions imposed in the above referred letter of the Eastern Regional Office, MoEF&CC, Govt. of India, Bhubaneswar along with the required undertakings and documents as under: -

Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
i)	Legal Status of Forest land proposed for diversion shall remain unchanged.	An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
ii)	Forest Land will be handed over by only after required non-forest land for the project is handed over to the user agency.	Total land involved in the instant proposal is 80.505 ha which includes 57.834 ha of Non-forest land. Out of 57.834 ha, IDCO has already handed over total 54.097 ha of non-forest land to JSW USL for the project. Hence, there is no impairment to hand over the diverted forest land to JSW USL for the project.

[Handwritten Signature]

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Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
iii)	Compensatory afforestation shall be taken up by the Forest Department over 22.80 ha non-forest land identified in Plot No. 329(P) & 519, Khata No. 67 (AAA) of village Podadihi under Banspal Tahasil of Keonjhar District at the cost of the user agency. As far possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.	<ol style="list-style-type: none"> 1. Revised financial outlay for Compensatory Afforestation Scheme over 22.80 Ha of non-forest land identified in village-Podadihi under Banspal Tahasil of BJP Range in Keonjhar Forest Division against the instant proposal of the above mentioned project for Rs. 2,03,66,700/- [Rupees Two Crores Three Lakhs Sixty-Six Thousand and Seven Hundred Only] at current wage rate of Rs. 315/- per man-day has been approved by Conservator of Forest [Nodal] vide its letter No. 22394 dt. 27.12.2021. Copy of the approved scheme is enclosed as Annexure-II. 2. Subsequently, the Divisional Forest Officer, Keonjhar Forest Division vide its letter No. 9443, dt. 31.12.2021 has issued a demand note for deposition of Rs. 2,03,66,700/-. Copy of demand note is enclosed as Annexure-III. 3. Further, we have deposited above mentioned amount as per the approved scheme, demand note and approved challan through RTGS on dt. 09.02.2022 in favour of Beneficiary Name ORRISA CAMPA, A/C No.- 150826736705564, IFSC Code- UBIN0903710. 4. The copy of challan and payment detail are enclosed as Annexure-IV. <p>Regarding raising of Compensatory Afforestation, the State Govt. will be undertaken.</p>
iv)	The non-forest land identified for raising compensatory afforestation shall be transferred and mutated in favor of the State Forest Department before issue of Stage-II approval.	<ol style="list-style-type: none"> 1. The non-forest land measuring 22.80 Ha in Village Podadihi under Banspal Tahasil of BJP Range in Keonjhar Forest Division for raising CA has been transferred and mutated in favour of the State Forest Dept. after deposition of Rs. 45,86,076/- [Rupees Forty-Five Lakh Eighty-Six Thousand Seven Six Only] in Govt. Treasury towards the land premium. Copy of the Order, demand note and payment details are enclosed as Annexure-V.

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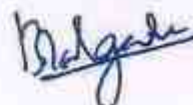



JINDAL
Group

Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
		2. Tahasildar, Banspal vide its letter No. 533 dated 08.02.2022 has submitted the ROR bearing No. 1/1 in the name of the State Forest Dept. to DFO, Keonjhar Division. Copy of letter along with ROR is enclosed as <u>Annexure-VI</u> .
v)	The cost of compensatory afforestation at the prevailing wage rests as per compensatory afforestation scheme and at the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	<p>1. Revised financial outlay for <u>Compensatory Afforestation Scheme over 22.80 Ha</u> of non-forest land identified in village- Podadihi under Banspal Tahasil of BJP Range in Keonjhar Forest Division against the instant proposal of the above mentioned project for <u>Rs. 2,03,66,700/-</u> [Rupees Two Crores Three Lakhs Sixty-Six Thousand and Seven Hundred Only] at <u>current wage rate of Rs. 315/- per man-day</u> has been approved by Conservator of Forest [Nodal] vide its letter No. 22394 dt. 27.12.2021. Copy of the approved scheme for maintenance of 10 years along with appropriate provision for anticipated cost increase for works scheduled for subsequent years is enclosed as <u>Annexure-II</u>.</p> <p>2. Subsequently, the Divisional Forest Officer, Keonjhar Forest Division vide its letter No. 9443, dt. 31.12.2021 has issued a demand note for deposition of <u>Rs. 2,03,66,700/-</u>. Copy of demand note is enclosed as <u>Annexure-III</u>.</p> <p>3. Further, we have deposited above mentioned amount as per the approved scheme, demand note and approved challan through RTGS on dt. 09.02.2022 in favour of Beneficiary Name ORRISA CAMPA, A/C No.- 150826736705564, IFSC Code- UBIN0903710.</p> <p>4. The copy of challan and payment detail are enclosed as <u>Annexure-IV</u>.</p>
vi)	The State Govt. shall change the Net Present Value (NPV) for the 22.671 ha forest area to be diverted under this proposal from the user agency as per the Order of Hon'ble Supreme Court of India dated 30.10.2002, 01.08.2003,	1. The demand note has been raised by the DFO, Keonjhar vide its letter No. 58 dt. 28.01.2020 for payment of <u>NPV of Rs. 1,65,49,830/-</u> . Copy of demand note is enclosed as <u>Annexure-VII</u> .

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G. R. Jindal Group

Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
	28.03.2008, 24.04.2008 and 09.05.2008 in IA No. 566 in Writ Petition (Civil) No. 202/1995 and as per the guidelines issued by Ministry vide letter No. 5-1/1998-FC (Pt.II) dated 18.09.2003, as well as letter No. 5-2/2006-FC dated 03.10.2006 and No.5-3/2007-FC dated 05.02.2009 in this regard.	2. Accordingly, as per the instruction of the Nodal Officer & e-challan, the payment has been made through RTGS on date <u>28.01.2022</u> in favour of Beneficiary Name- ORISSA CAMPA, A/C No.- 150886736705743, IFSC Code- UBIN0903710. 3. The copy of challan and payment details are enclosed as <u>Annexure-VIII</u> .
vii)	Additional amount of the NPV of the forest land to be diverted, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Govt. from the user agency. The user agency shall furnish an undertaking to this effect.	An undertaking in this regard has been attached as <u>Annexure-I</u>
viii)	All the funds received from the user agency under the project shall be transferred/deposited to State CAMPA fund only through (https://parivesh.nic.in/)	Action of the State Government.
ix)	As recommended by the State Govt. the Site Specific Wildlife Conservation Plan pertaining to the project duly approved by CWLW, Odisha shall be implemented at the project cost.	1. SSWLCP for the aforesaid project in compliance to this condition has been approved with financial forecast <u>Rs. 292.12 Lakh</u> [Rupees Two Crore Ninety-Two Lakh Twelve Thousand Only] by CWLW, Odisha vide its letter No. 8075 dt. 25.08.2021. Copy of approved plan along with letter is enclosed as <u>Annexure-IX</u> . 2. Subsequently, the demand note has been raised by the DFO, Keonjhar vide its letter No. 5054 dt. 26.08.2021 for payment of <u>SSWLCP of Rs. 292.12 Lakh at the current wage rate of Rs. 311/- per MD</u> . Copy of demand note is enclosed as <u>Annexure-X</u> . 3. Accordingly, as per the instruction of the Nodal Officer & e-challan, the payment has been made through RTGS on date <u>09.02.2022</u> in favour of Beneficiary Name- ORISSA CAMPA, A/C No.- 150826736705564, IFSC Code- UBIN0903710.

Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
		4. The copy of challan and payment details are enclosed as <u>Annexure-XI</u> .
x)	The state Govt. shall initiate action as per Para 1.21 of Chapter-1 of Handbook of Guideline issued under F.C. Act, 1980 vide Ministry's letter No. 5-2/2017-FC dated 28.03.2019 for violation of Forest (Conservation) Act, 1980.	<p>183.610 Ac. or 74.366 ha of land has been leased out by the IDCO in favour of M/s JSW Utkal Steel Ltd. vide registered lease deed No.11031800324 on dated 23.06.2018 as per Hal record.</p> <p>The leased out area of 183.610 Ac. or 74.366 ha comes under Non-forest category as per Hal record. But Subsequently, it was ascertained by the User Agency from the Tahasildar, Barbil (vide Letter No.4737 dated 23.10.2018 of Tahasildar Barbil) that out of 74.366 ha of leased out land, 20.269 ha is found to be Non-forest land recorded as forest as on 25.10.1980.</p> <p>As per the Hal record, published during the year 1982-83 all the lands stood recorded as non-forest land. As letter No.4822 dated 12.02.2015 of the Chief Secretary, Government of Odisha inter alia states that "if any entry in the RoR is altered in subsequent RoR, the later has to be presumed to be correct until it is proved by evidence to be incorrect, but the previous entry can be admissible as evidence of facts existing at the time such entry was made. In case required for a project, the status of land classified as 'forest' on 25.10.1980 is to be diverted for non-forest use after obtaining prior approval of Central Government as per provision of the FC Act." All lease deeds between M/s Crackers India Alloys Ltd and IDCO were executed much prior to the notification dated 12.02.2015.</p> <p>This is not a new/ fresh lease as referred under Section-2 of the FC Act, but transfer of already leased out land from one project proponent to another project proponent for the balance period.</p> <p>Further, no work on ground has been started by JSW USL.</p> <p>Hence, the alleged violation may be condoned being is not attributable to User Agency.</p>

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Barbil

Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
xi)	The cost of felling of trees shall be deposited by the user agency with the State Forest Department.	The cost of felling will be deposited to the State Forest Department. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xii)	The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector. The FRA certificate in Form-II along with Gram Sabha resolution shall be submitted before Stage-II approval.	The settlements of Rights, in terms of the Schedule Tribes and Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, has been completed and the required certificate from the Collector, Keonjhar has been obtained vide letter No. 323 dated 15.02.2020. Copy of the said certificate along with proceedings SDLC(s) and DLC have been attached as <u>Annexure-XII</u> .
xiii)	The user agency shall obtain Environment Clearance as per the provision of the Environmental (Protection) Act, 1986, if applicable.	Terms of Reference (TOR) granted vide letter No. IA-J-11011/271/2018-IA-II(I) dt. 22.02.2019 of Government of India, MoEF & CC, New Delhi. Final EIA report including proceedings of Public Hearing was submitted to MoEFCC for appraisal and presently, under consideration. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xiv)	No additional or new path will be constructed inside the forest area for any activity related to the project work.	Noted. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xv)	No labour camp shall be allowed in the forest area.	No labour camp shall be established in the forest land. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xvi)	The user agency shall provide LPG, to labourers working at the site to avoid damage/tree felling and ensure no fuel wood use.	We shall provide LPG or any alternate fuel to the labourers working at the site. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xvii)	The user agency while executing works, shall not fell any tree or damage forest growth in surrounding forest area in any manner.	An undertaking in this regard has been provided by us as <u>Annexure-I</u> .

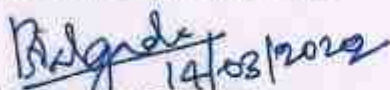
Sl. No.	Conditions Imposed by ERO, MoEF&CC, Govt. of India, Bhubaneswar	Compliance submitted by JSW Utkal Steel Ltd.
xviii)	The boundary of the forest land to be diverted, shall be suitably demarcated on ground at the project cost.	The boundary of the forest land has been suitably demarcated on ground. Hence, Complied.
xix)	The period of diversion under this approval shall be co-terminus with the period of lease granted in favour of user agency or the project life, whichever is less.	Noted.
xx)	The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest And Climate Change.	The layout plan of the proposed forest land will not be changed without prior approval. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xxi)	The forest land shall not be used for any purposed other than that specified in the proposal.	The forest land will not be used for any purposed other than that specified in the proposal. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xxii)	The forest land proposed to be diverted shall under no circumstances be transferred to any other used agency, department or person without the prior approval of Ministry of Environment, Forest And Climate Change.	An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xxiii)	Any other conditions that the Ministry of the Environment, Forest And Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied by the user agency.	We will adhere and comply the conditions so imposed by MoEFCC, if any. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xxiv)	The State Govt. and user agency shall ensure compliance to provisions of the all the court orders, provisions rules regulations and guidelines for the time being in force as applicable to the project.	We will comply the provision of all the Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the instant project. An undertaking in this regard has been provided by us as <u>Annexure-I</u> .
xxv)	The compliance Report of the Stage-I approval shall be uploaded on e-portal (https://parivesh.nic.in)	Noted and Complied.



As all the stipulated conditions & additional conditions have been compiled by us, we, therefore request your good-self to kindly take necessary action at your end for onward transmission of our compliance report for obtaining the **FINAL APPROVAL** of forest clearance (Stage-II) from the ERO, MoEF&CC, Govt. of India for diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

Thanking You,

Yours Faithfully,
FOR JSW UTKAL STEEL LTD.


(Baswaraj M Dalgade)
Authorized Signatory



Encl.: Compliance Report in 6 sets.

Copy To: 1. The Special Secretary, F&E Dept., GOO, Bhubaneswar.
2. Addl. PCCF (FC & NO, FC Act), Bhubaneswar.
3. The RCCF, Rourkela.

JSW Utkal Steel Limited

No.-JSW/U/O/2022/37

Date: 14.03.2022

UNDERTAKING

Sub: Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

X-Sub: Submission of Undertaking in respect of Compliance of the following conditions stipulated under 'Stage-I /In-Principle' approval dated 23.12.2019 imposed by Eastern Regional Office (ERO), MoEF&CC, Govt. of India.

Ref: 1. File No. 5-ORC400/2019 BHU dated 23.12.2019 of ERO, MoEFCC, GOI, BBSR.
2. Letter No.-10F (Cons) 103/19/796 F&E, dated 10.01.2020 from F&E Dept., GOO.
3. Letter No.- 309/6F-Mining -305/208 dated 20.01.2020 from DFO, Keonjhar.

It is to certify that, I, Baswaraj Mahadevppa Dalgade, Authorized Signatory of M/s JSW UTKAL STEEL LTD, have applied for diversion of 22.671 ha. of forest area for aforesaid project in the state of Odisha.

We, hereby, undertake that;

Sl. No.	Undertaking(s)
i)	Legal Status of Forest land proposed for diversion shall remain unchanged.
vii)	Additional amount of the NPV of the forest land to be diverted, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee shall be deposited.
xi)	The cost of felling of trees shall be deposited with the State Forest Department.
xiii)	Environment Clearance as per the provision of the Environmental (Protection) Act, 1986 shall be obtained.
xiv)	No additional or new path shall be constructed inside the forest area for any activity related to the project work.
xv)	No permanent labour camp shall be constructed in the forest area.
xvi)	LPG shall be provided to labourers working at the site to avoid damage/tree felling and also, ensure no fuel wood use.
xvii)	While executing works, any tree or forest growth in surrounding forest area shall not be damaged in any manner.
xx)	The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest And Climate Change.
xxi)	The forest land shall not be used for any purposed other than that specified in the proposal.
xxii)	The forest land proposed to be diverted shall not be transferred to any other used agency, department or person without the prior approval of Ministry of Environment, Forest And Climate Change.

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Dalgade

Sl. No.	Undertaking(s)
xxiii)	Any other conditions that the Ministry of the Environment, Forest And Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied.
xxiv)	We shall comply to provisions of the all the court orders, provisions rules regulations and guidelines for the time being in force as applicable to the project.

Thanking You,

Yours Faithfully,
FOR JSW UTKAL STEEL LTD.


(Baswaraj M Dalgade)
Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer,
Keonjhar Division



STATE FOREST HEADQUARTERS
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HoFF, ODISHA
ARANYA BHAWAN, CHANDRASEKHARPUR, BHUBANESWAR

E-mail: nodal.pccfho@odisha.gov.in

Memo No. 22392 /9F (Misc) - 62/2019
Dated, Bhubaneswar the 27th December, 2021

To

The DFO, Keonjhar Forest Division

Sub-: Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry pumping station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

Ref-: Memo No. 2900 dated 11.10.2021 of RCCF, Rourkela Circle.

In inviting a reference to the above cited memo on the captioned subject, the revised financial outlay for **Compensatory Afforestation Scheme over 22.80 ha** of non-forest land identified in village Podadihi under Banspal Tahasil of BJP Range in your division against proposed diversion of the above mentioned project for **Rs 2,03,66,700/-** (Rupees two crores three lakhs sixty six thousand and seven hundred) only at current wage rate of **Rs 315/-** per manday alongwith 2(Two) sets of CA Scheme is enclosed.

You are requested 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 format alongwith the updated Stage-I compliance.

This is urgent.

Encl - As above

Conservator of Forests (Nodal) 27/12/2021

Memo No. 22393 Dt. 27.12.2021

Copy forwarded to the RCCF, Rourkela Circle for information and necessary action with reference to his Memo No. 2899 dt. 11.10.2021.

Memo No. 22394 Dt. 27.12.2021

Copy forwarded to the Authorised Signatory, M/s JSW Steel Ltd., Plot No. 3, Forest Park, Sishubhawan Square, Bhubaneswar-751009, Odisha for information and necessary action.

Conservator of Forests (Nodal) 27/12/2021

Conservator of Forests (Nodal) 27/12/2021


Revised Financial Outlay for Compensatory Afforestation Scheme over an area of 2.80 ha of non-forest land identified in village Podadihi under Banspal Tahasil of B.J.P. Range of Keonjhar Forest Division against diversion of 22.671 ha of forest land for establishment of proposed grinding, de-slimming (Beneficiation) Plant and Slurry Pumping Station and water intake system of M/s JSW Utkal Steel Ltd.

(Wage Rate @ Rs.315/- per MD)

Sl. No.	Description	Amount (Rs.)
1.	Cost of Bald Hill Plantation @ 1600 plants/ ha in Patch-I over 10.0 ha without provision of fencing @ Rs.4,30,100.37 per ha with 10 years maintenance with 18 months old seedlings	43,01,000.00
2.	Cost of ANR without gap plantation in Patch-I over 1.0 ha @ Rs.33,972.75 per ha with 10 years maintenance	33,973.00
3.	Cost of ANR with gap plantation in Patch-II over 11.80 ha @ 600 plants/ ha @ Rs.95,864.73 per ha with 10 years maintenance with 18 months old seedlings	11,31,204.00
4.	Cost of Chain Link Wire Mesh fencing over 2.87 km (1.51 km for Patch-I over 10.0 ha of Bald Hill Plantation + 1.36 km for Patch-II over 11.80 ha of ANR with gap plantation @ 600 plants/ha) with 10 years maintenance @ Rs.3,84,610/- per Ha	83,84,498.00
	Total (A)	1,38,50,675.00
5.	Soil Conservation Measures:	
	(a) For Patch-I over 10.0 ha	
	(i) Cost of L.B.C.D. with 2 mtr. span size for 23 nos. @ Rs.7666.41 per structure	1,76,327.00
	(ii) Cost of staggered trenches of size (2.5 mt. x 0.5 mt. x 0.5 mt.) @ 300 nos. per ha @ 60 MD per ha @ Rs.63.00 per staggered trench @ Rs.18,900/- per ha over 10.0 ha	1,89,000.00
	(b) For Patch-I over 1.0 ha	
	(iii) Cost of continuous contour trench over 600 mt to divert runoff water from mountain /hill within CA area of dice top width 1.0 mt., bottom width 0.5 mt., depth 0.5 mt.@ 0.27 MD per RMT @ Rs.85.05 per RMT	51,030.00
	(iv) Cost of staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt @ 450 nos. per ha @ 195 MD per ha @ Rs.61,425/- per ha over 1.0 ha	61,425.00

Sl. No.	Description	Amount (Rs.)
	(c) For Patch-II over 11.80 ha	
(v)	Cost of LBCD with 2 mtr. span size for 27 nos. @ Rs.7666.41 per structure	2,06,995.00
(vi)	Cost of staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt @ 300 nos. per ha @ 60 MD per ha @ Rs.63.00 per staggered trench @ Rs.18,900/- per ha over 11.80 ha	2,23,020.00
	Total (B)	9,07,795.00
	Total (A+B)	1,47,58,470.00
6.	15% of the total plantation cost towards Entry Point Activity/ Incentive to VSS including monitoring & evaluation	22,13,771.00
	Total	1,69,72,241.00
7.	Add Escalation Cost (20%)	33,94,448.00
	Grand Total	2,03,66,689.00 Or rounded off to 2,03,66,700.00

(Rupees Two Crore three lakhs sixty six thousand & seven hundred) only


 Conservator of Forests (Nodal)
 Conservator of Forests (Nodal)
 O/o PCCF & HoFF, Odisha

**SCHEME FOR COMPENSATORY
AFFORESTATION OVER 22.671 HA OR
22.80 HA OF NON-FOREST GOVT. LAND
IDENTIFIED IN VILLAGE PODADIHI
UNDER BANSAPAL TAHASIL OF B.J.P.
RANGE OF KEONJHAR FOREST DIVISION
AGAINST ESTABLISHMENT OF
PROPOSED GRINDING, DE-SLIMING
(BENEFICIATION) PLANT AND SLURRY
PUMPING STATION AND WATER
INTAKE SYSTEM
OF
M/s JSW UTKAL STEEL LTD**

CHAPTER-I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

The project envisages establishment of 30 MTPA of Iron Ore Grinding, De-Sliming [Beneficiation] Plant & Slurry Pumping Station at Villages-Gobardhanpur, Bhagpur, Sialijoda & Lahanda and Water Intake System at Village-Kandra under Barbil Tahasil, Keonjhar District. High Level Clearance Authority (HLCAs), Government of Odisha has accorded in-principle approval for setting of Iron ore Grinding, Beneficiation Plants to produce 30 Million Metric Tonne Per Annum (MTPA) iron ore concentrate & transport through Slurry Pipeline system at Gobardhanpur Village under Barbil Tahasil, Keonjhar District to Integrated Steel Plant at Paradip in District Jagatbanspur to produce pellets to meet the raw material requirement of proposed Green Field Integrated Steel Plant. IPICOL has recommended for allotment of 80.505 Ha of land vide his letter no.GM/SLNA/JSW/38/17 dated 02.02.2018 for said project in Keonjhar District for proposed Iron Ore Grinding, De-Sliming [Beneficiation] Plant & Slurry Pumping Station at Villages-Gobardhanpur, Bhagpur, Sialijoda & Lahanda and Water Intake System at Village-Kandra under Barbil Tahasil, Keonjhar District. This project is of vital importance as it will ensure continuous supply of raw material as Iron Ore Concentrate to our upcoming Integrated Steel plant near Paradip. For setting up the proposed Project, Iron ore Grinding, De-Sliming [Beneficiation] Plant & Slurry Pumping Station and Water Intake System, IDCO has handed over the possession of already leased out land measuring 74.304 Ha of land (20.585 ha. Non forest land recorded as forest as on 25.10.1980 + 53.719 ha. non forest) situated in the villages of Gobardhanpur, Bhagpur, Sialijoda and Lahanda in favour of M/s JSW Utkal Steel Ltd vide his letter no. IDCO/LAE-4012-17/12878 dated 21.06.2018. The said land has been lease out by IDCO vide a registered lease deed no. 11031800324 on dated 23.06.2018. The said land comprises of 23.581 Ha of Govt. land and 50.723 Ha of Pvt land, which was acquired by IDCO for industrial purpose. To meet the total 80.505 Ha of land requirement, M/s JSW Utkal Steel Ltd had applied to acquire additional 3.873 Ha (1.045ha. Revenue forest+ 2.828ha.non forest land) in villages of Bhagpur and Gobardhanpur to make project area contiguous and compact for its industrial facilities. In addition, M/s JSW Utkal Steel Ltd proposes to establish Project, Water Intake System over 2.328 ha. land (1.041 ha Non forest land recorded as forest as on 25.10.1980 and 1.287 ha non-forest land) at village Kandra under Barbil Tahasil in Keonjhar District which is essential requirement for Project. So total land involves in the instant proposal over 80.505 ha which involves 22.671 Ha forest land (1.045 ha Revenue Forest + 21.626 ha. Non Forest Land recorded as Forest as on 25.10.1980) and 57.834 ha non forest land.

The present Compensatory Afforestation scheme is so prepared to compensate the forest land being diverted for non-forestry use at the Non-forest Govt. land identified in village Podadihi under BJP Range of Banspal Tahasil allotted for the said purpose vide letter No. 2105/Rev dt. 20.12.2018 of Collector, Keonjhar. The CA scheme is prepared at present prevailing wages rate i.e. @Rs. 311.00 per man days over 22.80 ha with maintenance period of 10 (ten) years.

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 Podadihi under Bansapal Tahasil in B.J.P. Range of Keonjhar Forest Division over 22.80 ha in two patches and has been jointly verified by the Tahasildar, Bansapal, Revenue Inspector, Suakati, Range Officer, B.J.P. Range and Forest Section Officer, Suakati and found suitable for compensatory afforestation.

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

The Tahasildar, Bansapal has given certificate of non-encroachment and non-encumbrance in respect of the non-forest Govt. land identified and allotted for Compensatory Afforestation over 22.80 ha in respect of grinding, de-sliming, slurry pumping station & intake well of M/s JSW Utkal Steel Limited vide his letter No. 1332 dated 28.08.2018 (Copy enclosed).

C. INFORMATION ON LAND STATUS.

The land scheduled and land status identified and allotted for Compensatory Afforestation is furnished hereunder:-

Tahasil	Village	Khata No.	Plot No.	Area(in Ha)	Kissam.	Remarks
Bansapal	Podadihi	67(AAA)	329(P)	11.000	Parbat- 1	Patch- 1
			519	11.800	Parbat- 1	Patch- 2
			Total	22.800		

D. SUITABILITY OF IDENTIFIED SITE FOR COMPENSATORY AFFORESTATION.

The identified land is free from encroachment and encumbrance. This land is neither covered under Section-4 of Orissa Forest Act, 1972 nor included in DLC report.

The non-forest Govt. land identified in village Podadihi is in two patches situated on upland with gentle slope and patch- 1 is suitable for Compensatory Afforestation in AR model @1600 seedlings/ ha over 10 ha and remaining 1.00 ha is suitable for ANR without gap model since the area is sloppy and having vegetation enough and patch- 2 is suitable for ANR model@ 600 seedling/ ha over 11.80 ha.

Patch- 1: The topography of the area is mainly hilly situated on upland. The top soil is eroded due to "Podu cultivation" in the past. The soil is prone to erosion necessitating soil-moisture conservation measures. Available depth of lateritic-loam soil is conducive for plantation, but in most of the area there is a requirement of foreign soil for better growth of plantation coupled with suitable soil-moisture conservation measures. This necessitates the undersigned to adopt Bald Hill Plantation norms @1600/ ha approved by PCCF, Odisha.(Annexure- 13 of letter No. 25281 dated 18.12.2018). 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 identified land is considered for Compensatory Afforestation AR model @1600 seedlings/ ha over 10 ha in patch- 1 and remaining 1.00 ha of the same patch which is having slope gradient more than 40° is suitable for ANR without gap model, the plantation norm approved by PCCF, Odisha.(Annexure- 8 of letter No. 25281 dated 18.12.2018).

Patch- 2: The topography of the area is mainly hilly situated on upland. The top soil is eroded due to "Podu cultivation" in the past. The soil is prone to erosion necessitating soil moisture conservation measures. Available depth of laterite loam soil is conducive for plantation, but in most of the area there is a requirement of foreign soil for better growth of plantation coupled with suitable soil moisture conservation measures. The patch over 11.80 ha having slope gradient more than 40° is suitable for ANR with gap model. This necessitates the undesignated to adopt ANR with gap model norms @600/ha approved by PCCT, Odisha (Annexure- II of letter No. 25281 dated 18.11.2018). 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.

Patch	Total area (in ha)	Bald hill plantation AR @1600/ha	ANR with gap plantation @600/ha	ANR without gap plantation
Patch- 1	11.00	10.00 ha	-	1.00 ha
Patch- 2	11.80	-	11.80	-

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 DGPS survey and 11 nos of 4' height RCC pillars have been posted around the identified area in patch- 1 and 8 nos of 4' height RCC pillars have been posted around the identified area in patch- 2. The DGPS survey data showing latitude & Longitude of each point and their chainage with bearing has been depicted in the village sheet map (Map Enclosed). Two durable sign boards have been erected at the identified site at a conspicuous location with name of the project, year of allotment, name of the scheme, details of plots etc. depicted there on.

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, Keonjhar Division will be assigned with the task for execution of Compensatory Afforestation.

C. PLANTING OPERATION

Planting of seedlings will be taken up in the month of July. The polythene covering of the balls 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 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 gms of potent mixtures like 'Gromor' 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

Special Soil Moisture Conservation Measures will be taken up through construction of LBCD structures of dimension 10' x 10' x 5' to the tune of 50 nos. along with staggered trenches over the entire plantation site.

D(5)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

It is proposed to protect the CA plantation from grazing by domestic animals using GI Chain Link Mesh Fencing. The total length of such GI Chain Link Mesh Fencing for both the patches which comes to 2.87 Km (2870 M) (1.51 KM in patch- 1 and 1.36 KM in patch- 2). 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 from grazing.

E. OTHER OPERATIONS

Other operations shall be executed as per the details given in the respective cost norms provided in Chapter- VII, VIII, IX.

PREPARATORY OPERATION (in Rs.)

1	Survey & demarcation	June	2	622.00	0
2	(i) For an average of 126 mt per ha @Rs. 76.19 per mt for bamboo twigs and bamboo thorn fencing (L:M=40:60)	June- Sept	19	5909.00	4280
	(ii) To be strengthened by planting of bamboo and other seedlings in two rows. Bamboo to be planted at 2mt spacing in staggered manner on the two rows & the rest of the species to be planted at 1/2 mt spacing along the two rows, the rows being 2 mt apart. Thus 500 plant (125 bamboo & 375 others) to be planted in two rows to cover 126M of periphery/ ha by the vegetative fence. (Bamboo seedling @Rs. 12.43 per seedling x 125= Rs. 1553.75. Agave seedling @Rs. 4.90 per seedlings x 375= Rs. 1837.50	June- Sept	11	3421.00	3391.25
3	Pitting(1600 per ha) each pit-45cm ³	Nov-Dec	128	39808.00	0
4	Soil & water conservation measures (a) Staggered trench along the contour @300/ha (2.5m x 0.5m x 0.5m), digging of percolation pits @600/ha in lieu of staggered trenches, gully plugging & drainage line treatment, half-moon trench on the up-hill side of each planting pit (100 MD for staggered trench/ percolation pits & 30 MD for gully plugging drainage land treatment & half-moon trench)	Sept-Nov	130	40430.00	0

	(b) Site clearance- 5 MD, alignment and stacking of contour lines on ground, planting pits, contour trenches/ percolation pits & check dam sites etc. -2MD	July-Aug	0	3110.00	0	2110.00
5	Raising of seedlings in poly bags (minimum 60CM high) @Rs. 12.43/ seedling (Rs. 8.67 in 1 st year + Rs. 3.76) per unit (1760 saplings to be raised for 1 ha	Oct-Mar	44	13684.00	2939	16623.00
	Total 0th year		344	106984.00	10610.25	117594.25
6	Monitoring & Supervision charge 5% of the total cost					5879.71
	Grand Total		344	106984.00	10610.25	123473.96
PLANTING OPERATION (1st YEAR)						
1	Cost of sapling (balance) from April-June/July @3.76/ seedling for 1760 seedlings	Apr-June	21.5	6686.5	593.00	7279.5
2	Freshening of pits- 64 MD, filling with fertile soil & farm yard manure (FYM)- 24 MD, application of insecticide & planting of 60 CM tall saplings including carriage of plants- 21 MD	June-July	109	33899.0	0	33899.0
3	Cost of fertile soil- 0.25 cft @Rs. 8/ cft /FYM 0.25 cft @Rs. 15/ cft per pit		0	0	9200.00	9200.00
4	Sowing of seeds on dug out earth of trench	June	6	1866.0	200	2066.0
5	Carriage- 6MD, planting including causality replacement- 6MD fertilizer application- 5MD, 1 st weeding- 7 MD, 2 nd weeding- 5MD, Soil working- 7MD	July-Aug	36	11196.0	0	11196.0
6	Cost of fertilizer & insecticide (granular insecticide @5gms per plants@Rs. 80/ KG = Rs. 640.00, NPK 100 gms/ plants in two doses @Rs. 24/ KG = Rs. 3840		0	0	4480.00	4480.00
7	Repair and maintenance of bamboo fenced including material cost	Aug-Oct	15	4665.0	2540	7205.0
8	Maintenance of soil & moisture conservation measures (20% of cost)	Oct-Dec	26	8086.0	0	8086.0

9	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	10	9330.0	0	9330.0
10	Fire tracing & control, display board construction, painting/ writing, other misc. cost	Jan-Feb	10	3110.0	360	3470.0
	Total		253.5	78838.5	17373.00	96211.5
11	Monitoring & Supervision charge 1% of the total cost					4810.57
	Grand Total		253.5	78838.5	17373.00	101022.07
MAINTENANCE OPERATION (2ND YEAR)						
1	Causality replacement - 6MD including seedling cost @Rs. 12.43 / seedling and its transportation	June-July	10	3110.0	1988.80	5098.8
2	Soil working- 7MD, 1 st weeding- 6MD, 2 nd weeding- 6MD & fertilizer application- 4MD	Aug-Oct	23	7153.0	0	7153.0
3	Cost of fertilizer @ 50 gms NPK per plant. @ Rs. 24 per KG for 1600 plants= Rs. 1920.00, Insecticide @ 3gm per plant for 160 nos. plants @Rs. 10/ KG= Rs. 64.00		0	0	1984.00	1984.00
4	Repair & maintenance of bamboo fence including material cost	Aug-Oct	15	4665.00	2540.00	7205.00
5	Maintenance of soil & moisture conservation measures (20% of cost)	Aug-Oct	26	8086.00	0	8086.00
6	Fire tracing & control & other misc. cost	Feb-Mar	10	3110.00	0	3110.00
7	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	30	9330.00	0	9330.00
	Total		114	35454.00	6512.80	41966.80
2	Monitoring & Supervision charge 5% of the total cost					2098.34
	Grand Total		114	35454.00	6512.80	44065.14
MAINTENANCE OPERATION (3RD YEAR)						
1	Repair and maintenance of fence- 15 MD / (in case of barbed wire fencing Rs. 9000 for repair) SMC measures (renovation) - 26 MD & maintenance of plantation- 14 MD as per requirement	Apr-Mar	55	17105.00	500.00	17605.00
2	Closure of grazing fire	Apr-Mar	18	5598.00	0	5598.00

	& other biotic interference by engaging watch & ward					
	Total		73	22703.00	500.00	23203.00
3	Monitoring & Supervision charge 5% of the total cost					1160.15
	Grand Total		73	22703.00	500.00	24363.15
MAINTENANCE OPERATION (4th YEAR)						
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00	15428.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0	5598.00
	Total		66	20526.00	500.00	21026.00
3	Monitoring & Supervision charge 5% of the total cost					1051.3
	Grand Total		66	20526.00	500.00	22077.30
MAINTENANCE OPERATION (5th YEAR)						
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00	15428.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0	5598.00
	Total		66	20526.00	500.00	21026.00
3	Monitoring & Supervision charge 5% of the total cost					1051.3
	Grand Total		66	20526.00	500.00	22077.30
MAINTENANCE OPERATION (6th YEAR)						
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00	15428.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0	5598.00
	Total		66	20526.00	500.00	21026.00
3	Monitoring & Supervision charge 5% of the total cost					1051.3
	Grand Total		66	20526.00	500.00	22077.30

	& other costs interference by engaging watch & ward				
	Total	66	20526.00	500.00	21026.00
3	Monitoring & Supervision charge 5% of the total cost				1051.3
	Grand Total	66	20526.00	500.00	22077.30

ABSTRACT

Sl No.	Year	No. Person Day	Labour cost (@ Rs. 311/- per day)	Material Cost	Monitoring & Supervision charge 5% of the total cost	Total Cost
1	0 th year	344	106984.00	10610.25	5879.71	123473.96
2	1 st year	253.5	78838.50	17373.00	4810.57	101022.07
3	2 nd year	114	35454.00	6512.80	2098.34	44065.14
4	3 rd year	73	22703.00	500.00	1160.15	24363.15
5	4 th year	66	20526.00	500.00	1051.30	22077.30
6	5 th year	66	20526.00	500.00	1051.30	22077.30
7	6 th year	66	20526.00	500.00	1051.30	22077.30
8	7 th year	66	20526.00	500.00	1051.30	22077.30
9	8 th year	66	20526.00	500.00	1051.30	22077.30
10	9 th year	66	20526.00	500.00	1051.30	22077.30
11	10 th year	66	20526.00	500.00	1051.30	22077.30
	Total	1246.5	387661.50	38496.05	21307.87	447465.42
	Total Cost of plantation (10.00 ha.)					447465.42

Cost Norm For Aided Natural Regeneration (ANR without Gap) @311/- Mandays as per revised wage rate communicated by Labour Commissioner, Odisha, Bhubaneswar vide their letter No. 2816/LC dated 25.05.2021.

Sl No.	Item of work	Preferable period of execution	Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0th Year						
1	Survey demarcation and pillar posting, GPS reading with mapping	Nov/Dec	2	622.00	0	622.00
2	Site Preparation	Nov/Dec	2	622.00	0	622.00
3	Cutting of high stumps		5	1555.00	0	1555.00
	Sub Total		9	2799.00	0	2799.00
4	Monitoring & Supervision charge 5% of the total cost					139.95
	Grand Total		9	2799.00	0	2938.95
1st Year						
1	Silvicultural operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/Oct	15	4665.00	0	4665.00
2	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m @ 60 nos per ha) or its equivalent	Sep/Oct	20	6220.00	0	6220.00
3	Fireline Tracing and inspection path	Feb/Mar	3	933.00	0	933.00
4	Watch & ward	Aug-Mar	5	1555.00	0	1555.00
5	Contingency and unforeseen		0	0	500.00	500.00

MAINTENANCE OPERATION (7 TH YEAR)					
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0
	Total		66	20526.00	500.00
3	Monitoring & Supervision charge 5% of the total cost				1026.3
	Grand Total		66	20526.00	500.00
MAINTENANCE OPERATION (8 TH YEAR)					
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0
	Total		66	20526.00	500.00
3	Monitoring & Supervision charge 5% of the total cost				1026.3
	Grand Total		66	20526.00	500.00
MAINTENANCE OPERATION (9 TH YEAR)					
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00
2	Closure of grazing fire & other biotic interference by engaging watch & ward	Apr-Mar	18	5598.00	0
	Total		66	20526.00	500.00
3	Monitoring & Supervision charge 5% of the total cost				1026.3
	Grand Total		66	20526.00	500.00
MAINTENANCE OPERATION (10 TH YEAR)					
1	Repair and maintenance of fence- 13 MD / no maintenance in case of barbed wire fencing. SMC measures- 21 MD & maintenance of plantation- 14 MD	Apr-Mar	48	14928.00	500.00
2	Closure of grazing fire	Apr-Mar	18	5598.00	0

	& other biotic interference by engaging watch & ward				
	Total	66	20526.00	500.00	21026.00
3	Monitoring & Supervision charge 5% of the total cost				1051.3
	Grand Total	66	20526.00	500.00	22077.30

ABSTRACT

Sl No.	Year	No. Person Day	Labour cost @ Rs. 311/- per day	Material Cost	Monitoring & Supervision charge 5% of the total cost	Total Cost
1	0 th year	144	106984.00	10610.25	5879.71	123473.96
2	1 st year	253.5	78818.50	17373.00	4810.57	101022.07
3	2 nd year	114	35454.00	6512.80	2098.34	44065.14
4	3 rd year	73	22703.00	500.00	1160.15	24363.15
5	4 th year	66	20526.00	500.00	1051.30	22077.30
6	5 th year	66	20526.00	500.00	1051.30	22077.30
7	6 th year	66	20526.00	500.00	1051.30	22077.30
8	7 th year	66	20526.00	500.00	1051.30	22077.30
9	8 th year	66	20526.00	500.00	1051.30	22077.30
10	9 th year	66	20526.00	500.00	1051.30	22077.30
11	10 th year	66	20526.00	500.00	1051.30	22077.30
	Total	1246.5	387661.50	38496.05	21307.87	447465.42
	Total Cost of plantation (10.00 ha.)					447465.42

Cost Norm For Aided Natural Regeneration (ANR without Gap) @311/- Mandays as per revised wage rate communicated by Labour Commissioner, Odisha, Bhubaneswar vide their letter No. 2816/LC dated 25.05.2021.

Sl No	Item of work	Preferable period of execution	Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0th Year						
1	Survey demarcation and pillar posting. GPS reading with mapping	Nov/Dec	2	622.00	0	622.00
2	Site Preparation	Nov/Dec	2	622.00	0	622.00
3	Cutting of high stumps		5	1555.00	0	1555.00
	Sub Total		9	2799.00	0	2799.00
4	Monitoring & Supervision charge 5% of the total cost					139.95
	Grand Total		9	2799.00	0	2938.95
1st Year						
1	Silvicultural operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/Oct	15	4665.00	0	4665.00
2	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m @ 60 nos per ha) or its equivalent	Sep/Oct	20	6220.00	0	6220.00
3	Fireline Tracing and inspection path	Feb/Mar	3	933.00	0	933.00
4	Watch & ward	Aug-Mar	5	1555.00	0	1555.00
5	Contingency and unforeseen		0	0	500.00	500.00

expenditure		43	13373.00	500.00	13873.00
Sub Total					693.65
6 Monitoring & Supervision charge 5% of the total cost		43	13373.00	500.00	14566.65
Grand Total					
2nd Year					
1 Soil conservation Measures (Renovation of staggered trenches etc.)	Sep-Oct	8	2488.00	0	2488.00
2 Fireline Tracing and inspection path	Feb-Mar	1	311.00	0	311.00
3 Watch & ward (whole year)	Apr-Mar	7	2177.00	0	2177.00
4 Contingency and unforeseen expenditure		0	0	300.00	300.00
Sub Total		16	4976.00	300.00	5276.00
5 Monitoring & Supervision charge 5% of the total cost					263.80
Grand Total		16	4976.00	300.00	5539.80
3rd Year					
1 Fireline Tracing and inspection path	Feb-Mar	1	311.00	0	311.00
2 Watch & ward (whole year)	Apr-Mar	7	2177.00	0	2177.00
3 Contingency and unforeseen expenditure		0	0	300.00	300.00
Sub Total		8	2488.00	300.00	2788.00
4 Monitoring & Supervision charge 5% of the total cost					139.40
Grand Total		8	2488.00	300.00	2927.40
4th Year					
1 Fireline Tracing and inspection path	Feb-Mar	1	311.00	0	311.00
2 Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3 Contingency and unforeseen expenditure			0	100	100.00
Sub-Total		3	933.00	100.00	1033.00
4 Monitoring & Supervision charge 5% of the total cost					51.65
Grand Total		3	933.00	100.00	1084.65
5th Year					
1 Fireline Tracing and inspection path	Feb-Mar	1	311.00	0	311.00
2 Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3 Contingency and unforeseen expenditure			0	100	100.00
Sub-Total		3	933.00	100.00	1033.00
4 Monitoring & Supervision charge 5% of the total cost					51.65
Grand Total		3	933.00	100.00	1084.65
6th Year					
1 Fireline Tracing and inspection path	Feb-Mar	1	311.00	0	311.00
2 Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3 Contingency and unforeseen expenditure			0	100	100.00

4	3rd Year	8	2488.00	300.00	139.40	2927.40
5	4th Year	3	933.00	100.00	51.65	1084.65
6	5th Year	3	933.00	100.00	51.65	1084.65
7	6th Year	3	933.00	100.00	51.65	1084.65
8	7th Year	3	933.00	100.00	51.65	1084.65
9	8th Year	3	933.00	100.00	51.65	1084.65
10	9th Year	3	933.00	100.00	51.65	1084.65
11	10th Year	3	933.00	100.00	51.65	1084.65
	Total	97	30167.00	1800.00	1598.35	33565.35
Total Cost Norm over 1.00 ha						33565.35

Cost Norm For Aided Natural Regeneration @600 plants per ha(18 Months old seedling) Wage Rate @311/- as per revised wage rate communicated by Labour Commissioner, Odisha, Bhubaneswar vide their letter No. 2816/LC dated 25.05.2021

Sl. No.	Item of Work	Preferable Period of Execution	Labour in Manday	Labour (Rs.)	Material (Rs.)	Total (Rs.)
1.	Nursery Cost (18 month Old Seedlings) @ Rs.37.97 part (Rs.4.45 to be released) for 600 seedlings (600*60)	Nov-March	16.5	5131.50	1105.50	6237.00
	Total		16.5	5131.50	1105.50	6237.00
2.	Monitoring & Supervision charge 5% of the total cost					311.83
	Grand Total		16.5	5131.50	1105.50	6548.83
0th Year Maintenance						
1.	Survey, Demarcation and Pillar Posting, GPS Reading with mapping	Nov-Dec	2	622.00	0	622.00
2.	Site Preparation	Nov-Dec	2	622.00	0	622.00
3.	Silvicultural Operation including clearance of weed, climber cutting, high stump cutting, singling of shoots etc.	Jan-Feb	5	1555.00	0	1555.00
4.	Nursery cost (18 months old seedling) part @ Rs. 37.97 seedling @ Rs. 24.10 for 660 seedlings (600+60)	Jan-Mar	42	13062.00	2844.00	15906.00
5.	Contingency and Unforeseen Expenditures			0.00	198.00	198.00
	Sub Total		51.00	15861.00	3042.00	18903.00
6.	Monitoring & Supervision charge 5% of the total cost					945.15
	Grand Total		51.00	15861.00	3042.00	19848.15
1st Year Maintenance						
1.	Nursery cost (18 months old seedling) balance @ Rs.4.42 for 660 seedlings	Apr-Jul	8.25	2565.75	351.45	2917.20
2.	Pitting 45 cm cube size	Feb-Mar	48	14928.00	0	14928.00
3.	Carriage and planting including casualty replacement	Jul-Aug	15	4665.00	0	4665.00
4.	Complete weeding, Soil Working, Manuring	Aug-Sep	18	5598.00	0	5598.00
5.	Cost of Vermu compost @ 200 gms/plant @ Rs.20/- per kg = Rs.	Aug-Sep	0	0.00	2640.00	2640.00

	Sub-Total		3	933.00	100.00	1033.00
4	Monitoring & Supervision charge 5% of the total cost					51.65
	Grand Total		3	933.00	100.00	1084.65
7th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	311.00	0	311.00
2	Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	933.00	100.00	1033.00
4	Monitoring & Supervision charge 5% of the total cost					51.65
	Grand Total		3	933.00	100.00	1084.65
8th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	311.00	0	311.00
2	Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	933.00	100.00	1033.00
4	Monitoring & Supervision charge 5% of the total cost					51.65
	Grand Total		3	933.00	100.00	1084.65
9th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	311.00	0	311.00
2	Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	933.00	100.00	1033.00
4	Monitoring & Supervision charge 5% of the total cost					51.65
	Grand Total		3	933.00	100.00	1084.65
10th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	311.00	0	311.00
2	Watch & ward and cultural operation	Apr-Mar	2	622.00	0	622.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	933.00	100.00	1033.00
4	Monitoring & Supervision charge 5% of the total cost					51.65
	Grand Total		3	933.00	100.00	1084.65

ABSTRACT

Sl. No.	Year	No. of Person days	Labour cost @311.00/- per manday (in Rs.)	Material Cost (In Rs.)	Monitoring & Supervision charge 5% of the total Cost in (Rs.)	Total Cost (in Rs.)
1	0th Year	9	2799.00	0	139.95	2938.95
2	1st Year	43	13373.00	500.00	693.65	14566.65
3	2nd Year	16	4976.00	300.00	263.80	5539.80

6.	2400.00 and Granular Insecticide 5 gms/plant @ Rs. 80/- per kg. = Rs.240.00					
	Cost of Chemical fertilizer (a) Urea 70 gms/plant in two subsequent doses @ Rs.6/- per kg. = Rs.252.00 (b) NPK 50 gms/plant @ Rs.24/- per kg. = Rs.720.00 as basal dose.		0	0.00	972.00	972.00
7.	Fire line Tracing and Inspection Path	Feb-Mar	3	933.00	0	933.00
8.	Silvicultural Operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep-Oct	15	4665.00	0	4665.00
9.	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m @ 60 nos per ha) or its equivalent	Sep-Oct	20	6220.00	0	6220.00
10.	Watch & ward	Aug-Mar	7	2177.00	0	2177.00
11.	Contingency and Unforeseen Expenditures		0	0.00	353.00	353.00
	Sub Total		134.25	41751.75	4316.45	46668.20
12.	Monitoring & Supervision charge 5% of the total cost					2303.41
	Grand Total		134.25	41751.75	4316.45	48371.41
2nd Year Maintenance						
1.	Casualty Replacement including cost of seedling, carriage and planting	Jul-Aug	3	933.00	2278.20	3211.20
2.	Complete weeding and cultural operations	Sep-Oct	6	1866.00	0	1866.00
3.	Soil working and manuring	Sep-Oct	6	1866.00	0	1866.00
4.	Cost of Fertilizer and insecticide (a) Vermicompost 200gms/plant @ Rs.20/- per kg. = Rs.2400.00 (b) Granular Insecticides 5 gms/plant for 60 plants 300 gms @ Rs.80/- per kg. = Rs. 24.00	Sep-Oct	0	0.00	2424.00	2424.00
5.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
6.	Soil Conservation Measures (Renovation of staggered trenches etc.)	Sep-Oct	8	2488.00	0	2488.00
7.	Watch & ward (whole year)	Apr-Mar	7	2177.00	0	2177.00
8.	Contingency and Unforeseen Expenditures		0	0.00	193.00	193.00
	Sub Total		31.00	9641.00	4895.20	14536.20
9.	Monitoring & Supervision charge 5% of the total cost					726.81
	Grand Total		31.00	9641.00	4895.20	15263.01
3rd Year Maintenance						
1.	Complete weeding and cultural operations	Aug-Sep	3	933.00	0	933.00
2.	Soil Working	Aug-Sep	3	933.00	0	933.00
3.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
4.	Watch & ward (whole year)	Apr-Mar	7	2177.00	0	2177.00
	Sub Total		14.00	4354.00	0	4354.00
5.	Monitoring & Supervision charge 5% of the total cost					217.70

ADDITIONAL COST PROPOSED FOR PATCH- 2 OVER 11.80 HA

1	LBCD of size 10' x 10' x 5' @Rs. 15474/- per structure for 27 nos. structures	15474.00 x 27 nos.	417798.00
2	Staggered trenches of dimension 2.5 x 0.5 x 0.5 mtr to the tune of 300 Nos. per ha @60MD or Rs. 18,660/- per ha over 11.80 ha	18660.00 x 11.80 ha	220188.00
3	Additional incentive @ 3% of cumulative expenditure up to 4 th year) for VSS/Tr/FG proposed for more than 80% survival and very good growth during 4th year of maintenance as per recommendation of DFO and RCCF @ Rs.2868/- for 11.80 ha.	2868.00 x 11.80 ha	33842.40
4	Cost of GI Chain Link Mesh Fencing around the plantation site over length of 1.36 KM @Rs. 9,91,500/- per RKM with maintenance up to 3 years	991500.00 x 1.36 Km	1348440.00
	Sub-Total		2020268.40

ANCILLARY ACTIVITIES

1	Awareness programme- 0.5 lakh/ year for 10 year	0.5 lakh x 10 year	500000.00
2	Entry Point Activity (EPA)- Community Hall- 3.5 lakh	3.50 lakh	350000.00
3	Bore Well with overhead tank with solar power	7.00 lakh	700000.00
	Sub-Total		1550000.00

TOTAL COST OF PROJECT

1.	Cost Norm for Bald Hill plantation @1600 plants per ha (Rs. 447465.42/ ha x 10.00 ha)	4474654.20
2	Cost Norm for ANR without Gap Plantation (Rs. 33565.35/ ha x 1.00 ha)	33565.35
3	Cost Norm for ANR with Gap Plantation @600 plants per ha of seedlings/ha) (Rs. 101460.07 /ha x 11.80 ha)	1197228.82
	Total plantation cost over 22.80 ha	5705448.37
4	Additional Cost	
	Additional Cost Proposed For Patch- 1 Over 10.00 Ha	2134167.00
	Additional Cost Proposed For Patch- 1 Over 1.00 Ha	88013.00
	Additional Cost Proposed For Patch- 2 Over 11.80 Ha	2020268.40
	Total Additional Cost	4242448.40
5	Ancillary Activities	1550000.00
	Sub Total (Plantation cost + Additional cost + Ancillary Activities)	11497896.77
6	Add 20% escalation	2299579.35
	Grand Total	13797476.12
		Or say
		1,37,97,500.00

(Rupees one crore thirty-seven lakh ninety-seven thousand five hundred) only.

operations					
Sub Total		3.00	933.00	0	933.00
Monitoring & Supervision charge 5% of the total cost					46.65
Grand Total		3.00	933.00	0	979.65

ABSTRACT						
Sl. No.	Item of Work	Person days	Labour Cost Rs. 311/- per day (Rs.)	Material Cost (Rs.)	Monitoring & Supervision charge 5% of the total Cost (Rs.)	Total Cost (Rs.)
1	Previous Year	18.5	5131.40	1105.50	211.05	6548.05
2	0th Year Maintenance	51	15861.00	3042.00	945.15	19848.15
3	1st Year Maintenance	134.25	41751.75	4316.45	2307.41	48375.61
4	2nd Year Maintenance	51	9641.00	4895.20	726.81	15263.01
5	3rd Year Maintenance	51	4354.00	0	217.70	4571.70
6	4th Year Maintenance	3	933.00	0	46.65	979.65
7	5th Year Maintenance	3	933.00	0	46.65	979.65
8	6th Year Maintenance	3	933.00	0	46.65	979.65
9	7th Year Maintenance	3	933.00	0	46.65	979.65
10	8th Year Maintenance	3	933.00	0	46.65	979.65
11	9th Year Maintenance	3	933.00	0	46.65	979.65
12	10th Year Maintenance	3	933.00	0	46.65	979.65
Total =		267.75	83270.25	13309.15	4830.67	101460.07
Total Cost of plantation (11.80 ha.)						

ADDITIONAL COST PROPOSED FOR PATCH- 1 OVER 10.00 HA

1	LBCD of size 10' x 10' x 5' @Rs. 15474/- per structure for 23 nos. structures.	15474 x 23 nos.	355902.00
2	Staggered trenches of dimension 2.5 x 0.5 x 0.5 mtr to the tune of 300 Nos. per ha @60MD or Rs. 18,660/- per ha over 10.00 ha	18660.00 x 10.00 ha	186600.00
3	Additional incentive @ 3% of cumulative expenditure up to 4 th year) for VSS/Tr/FG proposed for more than 80% survival and very good growth during 4th year of maintenance as per recommendation of DFO and RCCF @ Rs. 9450/- for 10.00 ha.	9450.00 x 10.00 ha	94500.00
4	Cost of GI Chain Link Mesh Fencing around the plantation site over length of 1.51 KM @Rs. 9,91,500/- per RKM with maintenance up to 3 years	991500.00 x 1.51 Km	1497165.00
Sub-Total			2134167.00


ADDITIONAL COST PROPOSED FOR PATCH- 1 OVER 1.00 HA

1	Continuous Contour trench at Patch- 600mtr to divert runoff water from mountain / hill within the CA area. Unit cost per RMT= 0.27 MD = Rs. 83.97	Rs. 83.97 x 600 mt	50382.00
2	Staggered trenches of 2.5 mt x 0.5 mt x 0.5 mt) @121 MD for 450 structures per ha in hard soil.	37631.00 x 1.00 ha	37631.00
Sub-Total			88013.00

Grand Total			14.00	4354.00	0	4571.50
4th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
5th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
6th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
7th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
8th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
9th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00
	Sub Total		3.00	933.00	0	933.00
3.	Monitoring & Supervision charge 5% of the total cost					46.65
	Grand Total		3.00	933.00	0	979.65
10th Year Maintenance						
1.	Fire line Tracing and Inspection Path	Feb-Mar	1	311.00	0	311.00
2.	Watch & ward and cultural operations	Apr-Mar	2	622.00	0	622.00

PROVISION OF FUNDS AND FUND UTILIZATION


Rs. 1,37,97,500/- (Rupees one crore thirty-seven lakh ninety-seven thousand five hundred) only shall be deposited by the User Agency i.e. M/s JSW Udaal Steel Limited 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, Keonjhar Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional Forest Officer,
Keonjhar Division

CHAPTER-VII

DETAILS OF PROPOSED MONITORING MECHANISM

Compensatory Afforestation will be taken up in the identified site by the Range Officer, BJP Forest Range of Keonjhar Division. The Range Forest Officer, BJP 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, Keonjhar Division. DGPS/GPS co-ordinates along with other required informations of Compensatory Afforestation will be uploaded in the e-Green watch Portal of NIC, MoEF, 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 BJP 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, Rourkela 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,
Keonjhar Division



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

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

No. 9443 /Mining-
Dated, Keonjhar, the 31-12-2021

To

The Director
M/s JSW Utkal Steel Ltd
Plot No-3, Forest Park
Sishubhawan Square, Bhubaneswar
Odisha.

Sub: Diversion of 22.671 ha forest land for establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd., Barbil Tahasil, Keonjhar District.

X-Sub: Demand of compensatory afforestation over 22.80 ha of non-forest Govt. land @Rs. 315.00 per MD with a maintenance of 10 years identified in village Podadihi under Banspal Tahasil of Keonjhar District.

Ref: Memo No. 22392 dt. 27.12.2021 of Conservator of Forests, (Nodal), O/o the PCCF & HoFF, Odisha, Bhubaneswar

Sir

With reference to the aforementioned memo on the captioned subject, you are requested to deposit the approved amount of **Rs. 2,03,66,700/-** (Rupees two crore three lakh sixty-six thousand seven hundred) only towards scheme for compensatory afforestation over 22.80 ha of non-forest Govt. land identified in village Podadihi under Banspal Tahasil of Keonjhar District at the current wage rate **@Rs. 315.00/-** per Mandays with a maintenance of 10 years 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.

Yours faithfully,


21/12/21
Divisional Forest Officer,
Keonjhar Division.

Memo No. 9444 Dated. 31-12-2021

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.


Divisional Forest Officer,
Keonjhar Division.


JSW Steel Limited

Regd. Office: JSW Centre
 Bandra Kurla Complex,
 Bandra (East), Mumbai - 400 051
 CIN: L27102MH1994PLC152925
 Phone : +91 22 4286 1000
 Fax : +91 22 4286 3000
 Website : www.jsw.in

Ref No. JSW/U/O/2021-22/113
Date: 14.02.2022

To
**The Divisional Forest officer,
 Keonjhar Division.
 Keonjhar**

Sub: Payment of amount of Rs. 4,95,78,700/- (Rupees Four Crore Ninety-Five Lakh Seventy-Eight Thousand seven hundred Only) towards demand of Site Specific Wildlife Conservation plan @ Rs311.00 per MD (Rs. 2,92,12,000/-) & Compensatory afforestation over 22.80 ha. Of non-forest Govt. land @ Rs315.00 per MD (RS. 2,03,66,700) with maintenance period of Ten years identified in village Podadihi under Banspal Tahsil of Keonjhar District.

Sub-Reference: Permission for laying of 32" dia. slurry pipeline system for transportation of 30 MTPA iron ore concentrate along and across the NHAI, IDCO, PWD roads within the Right of Way (RoW) of such roads involving 39.85Km of Pipeline alignment passing through 3,985Ha of Forest land out of total RoW alignment of 245.587Km spread over five revenue districts of Odisha such as Keonjhar, Jajpur, Cuttack, Kendrapara & Jagatsinghpur {coming within the jurisdiction of four forest divisions such as Keonjhar, Keonjhar (WL), Cuttack and Rajanagar Mangrove (WL)} from the proposed grinding, beneficiation and slurry pumping station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to the proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, and Diversion of 22.6371 ha. Forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water Intake System of Odisha of M/s JSW Utkal Steel Limited.

Ref: Your Office letter no 9004 Dt. 16.12.2021 & 9443 Dt. 31.12.2021

Sir,

With reference to the subject cited above, we have transferred an amount of Rs. 4,95,78,700/- (Rupees Four Crore Ninety-Five Lakh Seventy-Eight Thousand seven hundred Only) towards demand of Site Specific Wildlife Conservation plan @ Rs311.00 per MD (Rs. 2,92,12,000/-) & Compensatory afforestation over 22.80 ha. Of non-forest Govt. land @ Rs315.00 per MD (RS. 2,03,66,700) with maintenance period of Ten years identified in village Podadihi under Banspal Tahsil of Keonjhar District. The RTGS slip (UTR No. ICICR420220900534061) is enclosed herewith for your kind information.

Kindly acknowledge the receipt as above.

Further we request your good office to instruct the concerned authority to initiate the tree felling activity within the above mentioned area of RoW.

Thanking you

Yours faithfully

For JSW Utkal Steel Limited

Authorized Signatory

Encl. as above:



ICICI Bank Advice Receipt
2/9/22 5:51 PM

Transaction Details

Account Number: 006105023813

Transaction Date: 09-02-2022 00:00:00

Transaction Amount: INR 4,95,78,700.00

Debit/Credit: Debit

Cheque Number : -NIL-

Transaction Description : RTGS/ICICR420220209005
34061/UBIN0903710/ORRI
SA
CAMPA/ULBHNO1X20000
0074

Transaction ID: S77196279

Transaction Remarks : -

Note: This is an electronically generated receipt and
Transaction Balance: INR19,167215931E7
does not need any signature.

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 07-02-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705564
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address.	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneswar, Odisha Khordha
Amount(in Rs)	49578700/-

Amount in Words :Four Crore Ninety-Five Lakh Seventy-Eight Thousand Seven Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150826736705564 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

- 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 : 07-02-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705564
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address.	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneswar, Odisha Khordha
Amount(in Rs)	49578700/-

Amount in Words :Four Crore Ninety-Five Lakh Seventy-Eight Thousand Seven Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150826736705564 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

After making successful payment, User Agencies may send a line of confirmation through Email: helpdeskampa@corpbank.co.in

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 to Email: cb0371@unionbankofindia.com



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.pccfho@odisha.gov.in

Memo No. 14133 /9T (Misc) - 62/2019
Dated, Bhubaneswar the 19th July 2022

To

The DFO, Keonjhar Forest Division

Sub:- Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry pumping station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

Ref:- This office Memo No. 22392 dated 27.12.2021

In reference to the above cited memo on the captioned subject, the revised financial outlay for Compensatory Afforestation Scheme over 22.80 ha of non-forest land identified in village Podadihi under Banspal Tahasil of BJP Range in your division against proposed diversion of the above mentioned project has been approved for Rs 2,11,32,500/- (Rupees two crores eleven lakhs thirty two thousand and five hundred) only at current wage rate of Rs 326/- per manday by the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act).

A copy of the revised financial outlay is enclosed. You are requested 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 format alongwith the updated Stage-I compliance.

Encl - As above

Conservator of Forests (Nodal)

Memo No. 14134 Dt. 19.07.2022

Copy forwarded to the RCCF, Rourkela Circle for information and necessary action in continuation to this office Memo No. 22393 dt. 27.12.2021.

Conservator of Forests (Nodal)

Memo No. 14135 Dt. 19.07.2022

Copy forwarded to the Authorised Signatory, M/s JSW Steel Ltd., Plot No. 3, Forest Park, Sishubhawan Square, Bhubaneswar-751009, Odisha for information and necessary action in continuation to this office Memo No. 22394 dt. 27.12.2021.

Conservator of Forests (Nodal)

135

Revised Financial Outlay for **Compensatory Afforestation Scheme** over an area of **22.80 ha** of **non-forest land** identified in **village Podadihi** under **Banspal Tahasil** of **B.J.P. Range of Keonjhar Forest Division** against diversion of 22.671 ha of forest land for establishment of proposed grinding, de-slimming (Beneficiation) Plant and Slurry Pumping Station and water intake system of **M/s JSW Utkal Steel Ltd.**


(Wage Rate @ Rs.326/- per MD)

Sl. No.	Description	Amount (Rs.)
1.	Cost of Bald Hill Plantation @ 1600 plants/ ha in Patch-I over 10.0 ha without provision of fencing @ Rs.4,69,664.58 per ha with 10 years maintenance with 18 months old seedlings	46,96,646.00
2.	Cost of ANR without gap plantation in Patch-I over 1.0 ha @ Rs.35,093.10 per ha with 10 years maintenance	35,093.00
3.	Cost of ANR with gap plantation in Patch-II over 11.80 ha @ 600 plants/ ha @ Rs.1,07,087.27 per ha with 10 years maintenance with 18 months old seedlings	12,63,630.00
4.	Cost of Chain Link Wire Mesh fencing over 21.8 ha (excluding 1.0 ha for Patch-I) with 10 years maintenance @ Rs.3,84,610/- per Ha	83,84,498.00
	Total (A)	1,43,79,867.00
5.	Soil Conservation Measures:	
	(a) For Patch-I over 10.0 ha	
	(i) Cost of L.B.C.D. with 2 mtr. span size for 23 nos. @ Rs.7814.84 per structure	1,79,741.00
	(ii) Cost of staggered trenches of size (2.5 mt. x 0.5 mt. x 0.5 mt.) @ 300 nos. per ha @ 60 MD per ha @ Rs.65.20 per staggered trench @ Rs.19,560/- per ha over 10.0 ha	1,95,600.00
	(b) For Patch-I over 1.0 ha	
	(iii) Cost of continuous contour trench over 600 mt to divert runoff water from mountain /hill within CA area of dice top width 1.0 mt., bottom width 0.5 mt., depth 0.5 mt.@ 0.27 MD per RMT @ Rs.88.02 per RMT	52,812.00
	(iv) Cost of staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt @ 450 nos. per ha @ 195 MD per ha @ Rs.63,570/- per ha over 1.0 ha	63,570.00

Sl. No.	Description	Amount (Rs.)
	(c) For Patch-II over 11.80 ha	
	(v) Cost of LBCD with 2 mtr. span size for 27 nos. @ Rs.7814.84 per structure	2,11,000.00
	(vi) Cost of staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt @ 300 nos. per ha @ 60 MD per ha @ Rs.65.20 per staggered trench @ Rs.19,560/- per ha over 11.80 ha	2,30,808.00
	Total (B)	9,33,531.00
	Total (A+B)	1,53,13,398.00
6.	15% of the total plantation cost towards Entry Point Activity/ Incentive to VSS including monitoring & evaluation	22,97,010.00
	Total	1,76,10,408.00
7.	Add Escalation Cost (20%)	35,22,081.00
	Grand Total	2,11,32,489.00 Or rounded off to 2,11,32,500.00

(Rupees Two Crore eleven lakhs thirty two thousand & five hundred) only

Approved


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

Chief Conservator of Forests
(Forest Diversion & Nodal Officer, FC Act)
O/o PCCF & HoFF, Odisha, Bhubaneswar.



IV B-1

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

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

No. 5489 /Mining-305/2018
Dated, Keonjhar the 20-07 -2022

To

The Authorized Signatory,
M/s JSW Steel Ltd, Plot No-200,
1st Floor, C/O- R.K. Mishra,
New Forest Park Road, Near Sishubhawan Square,
Bhubaneswar- 751009

Sub: Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

X-Sub: **Demand of differential funds towards Compensatory Afforestation at the current wage rate @Rs. 326/- per Mandays.**

Ref: Memo No. 14133 dt. 19.07.2022 of Conservator of Forests, (Nodal), O/o the PCCF & HoFF, Odisha, Bhubaneswar.

Sir,

With reference to the aforementioned memos on the captioned subject, you are requested to deposit the differential approved amount of **Rs. 7,65,800/-** (Rupees seven lakh sixty-five thousand eight hundred) only towards revised Compensatory Afforestation Scheme over 22.80 ha identified in village Podadihi under Banspal Tahasil of Keonjhar District against establishment of proposed Iron Ore Grinding, De-Sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd as per current wage rate @Rs. 326/- per man-day with maintenance of 10 years technically approved by the CCF, FD&NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar 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.

Particulars	Amount to be deposited as per revised wage rate of Rs. 326/- per man-day (Rs.)	Amount deposited earlier by the User Agency (Rs.)	Balance to be deposited (Rs.)
Scheme for revised Compensatory Afforestation over 22.80 ha identified in village Podadihi under Banspal Tahasil of Keonjhar District.	2,11,32,500.00	2,03,66,700.00	7,65,800.00
Total			7,65,800.00

(Rupees seven lakh sixty-five thousand eight hundred) only

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

Memo No. 5490 /Dated. 20-07-2022

Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela/ 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.


Divisional Forest Officer,
Keonjhar Division.

JSW

65
For
10/8/22

4792
16-08-2022

Annexure - 1 (A)
IV B 2

JSW Steel Limited

Regd. Office: JSW Centre
Bandra Kurla Complex,
Bandra (East), Mumbai - 400 051
CIN :
L27102MH1994PLC152925
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000
Website : www.jsw.in

Ref No. JSW/U/O/2022/260

Date: 09.08.2022

To

The Divisional Forest officer,
Keonjhar Division.
Keonjhar

Sub: Diversion of 22.671 Ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming(Beneficiation) Plant, Slurry pumping station and water intake system of M/s JSW Utkal Steel Ltd under Barbil Tahasil in Keonjhar District, Odisha.

X-Sub: Demand of differential funds Compensatory Afforestation at the current wage rate @ Rs.326/- per Mandays.

Ref: Your Office letter no 5489/6F-Mining-305/2018 Dt. 20.07.2022.

Sir,

With reference to the subject cited above, we have transferred an amount of Rs.7,65,800/- (Seven lakhs sixty-five thousands eight hundred Rupees only) through e-portal of MoEF&CC by RTGS/NEFT towards payment of differential amount of Compensatory Afforestation over 22.80 ha in respect of establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry pumping station and water intake system of M/s JSW Utkal Steel Ltd. The RTGS slip (UTR No. ICICR42022080900521008) is enclosed herewith for kind information.

Please acknowledge the receipt as above.

Thanking you

Yours faithfully

For JSW Utkal Steel Limited



Authorized Signatory

Encl. as above:

Annexure - IV - B - 2

AGENCY COPY

यूनियन बैंक Union Bank



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 08-08-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705928
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address.	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneshwar, Odisha Khordha
Amount(In Rs)	765800/-

Amount in Words :Seven Lakh Sixty-Five Thousand Eight Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150826736705928 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11, CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

BANK COPY

यूनियन बैंक Union Bank



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 08-08-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705928
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address:	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneshwar, Odisha Khordha
Amount(In Rs)	765800/-

Amount in Words :Seven Lakh Sixty-Five Thousand Eight Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150826736705928 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11, CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

After making successful payment, User Agencies may send a line of confirmation through
Email: helpdeskampa@corpbank.co.in

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 to
Email: cb0371@unionbankofindia.com

09/22, 4:22 PM

<https://icibnext.icicibank.com/ncdr/FacadeRequest?sessionId=0000J-Lpq7Z4k0YOKMRRP-EWv41CIBNXAPF87bwayparam=F6M/PMJUC3USn%2FwVOy2%2BbmaJXBnaWUuHEXYEIJqQICMox...>



ICICI Bank Advice Receipt

Date: 09 Aug 2022, 16:22:53

Transaction Details

Account Number : 006105023813
Transaction Date : 09/08/2022
Transaction Amount : 7,65,800.00
Debit/Credit : Debit

UTR No -

Transaction Description

: RTGS/ICICR42022080900521008/UBIN0996335/

Printed on 09/08/2022 04:22:53 PM IST

Annexure - IV B3





OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE, KEONJHAR

ORDER

No. 2156 /Rev/Dt 20.11.2021

After careful consideration of the Alienation Proposal submitted by the Tahasildar, Banspal vide Alienation Case No.1/2020 and in exercise of the powers conferred vide Revenue & D.M. Department Notification No. 42899/R&DM/ dt.07.11.2009, readwith L.No. 22958/ R&DM/ dt.04.08.2014, No. 29089/ R&DM/ dt.29.09.2014 and No.31312/ R&DM/ dt.24.10.2014, sanction is hereby accorded for alienation of the following schedule of non-forest Government land in favour of State Forest & Environment Department for raising compensatory afforestation in lieu of the forestland diverted for the purpose of establishment of proposed Iron Ore Grinding, De-slimming(Beneficiation) Plant, Slurry pumping Station and Water intakes systems at Podadihi in respect of M/s. JSW Utkal Steel Limited in Banspal Tahasil on payment of premium/land cost of Rs. 45,86,076.00 (Rupees Forty- Five Lakh Eighty-Six thousand Seventy-Six) only by the User Agency i.e. M/s. JSW Utkal Steel Limited subject to the terms and conditions as indicated below.

Land Schedule
Tahasil:- Banspal

Tahasil:- Banspal					
Name of village	Khata No	Plot No	Total area as per RoR in Ha.	Area applied for alienation in Ha.	Kisam
Podadiha	57 (AAA)	329/736	11.0000	11.0000	Parbat-I
		519	11.8000	11.8000	Parbat-I
			Total	22.8000	

Premium Payable

1. Premium of the land measuring 22.8000 Ha or 56.34 Acre @ Rs. 81,400/- per acre	Rs. 45,86,076.00
---	-------------------------

(Rupees Rupees Forty- Five Lakh Eighty-Six thousand Seventy-Six) only.

Term & conditions

1. The land shall be utilized exclusively for the purpose for which it is alienated and shall not be transferred or otherwise disposed of.
2. The Forest & Environment Department shall take such precautionary measures as necessary to keep the land free from encroachment. If the land or any portion of it is not utilized within three years for the purpose for which it is alienated, the same shall revert to Government in Revenue & Disaster Management Department free from all encumbrances and without payment of compensation for the land or for any improvement that might have been made thereto.
3. Infringement of any of the conditions of the alienation shall result in immediate resumption of the land by the Government in Revenue & Disaster Management Department free from all encumbrances.

4. The Project Proponent /User Agency i.e. M/s JSW Utkal Steel Limited shall deposit the premium/land cost of **Rs.45,86,076.00 (Rupees Forty- Five Lakh Eighty-Six thousand Seventy-Six)** only with the Tahasildar, Banspal.
5. The User Agency will have to pay the amount over and above the premium already assessed, if any calculated and demanded, for any reason, in future.
6. The Tahasildar to realize the premium/land cost from the User Agency and take follow up action i.e. correction of RoRs etc. after realization of the premium/land cost.


Collector, Keonjhar

Memo No. **2157** /Rev/Dt **20.11.2021**

Copy forwarded to the Under Secretary to Government, Revenue & D.M. Department, Orissa, Bhubaneswar/ Under Secretary, Board of Revenue, Orissa, Cuttack/ Under Secretary to Government, Forest and Environment Department, Orissa, Bhubaneswar/ Secretary to RDC (ND) Orissa, Sambalpur for information and necessary action.


Addl. District Magistrate, Keonjhar

Memo No. **2058** /Rev/Dt **20.11.2021**

Copy forwarded to the Divisional Forest Officer, Keonjhar for information and necessary action with reference to his L.No. 282/06-Mining-305/2018 dt.17.01.2020. He is requested to take over possession of the land from the Tahasildar Banspal.


Addl. District Magistrate, Keonjhar

Memo No. **2059** /Rev/Dt **20.11.2021**

Copy forwarded to the Sub-Collector, Keonjhar for information and necessary action with referenced to his letter No.4570. dt.28.09.2021.


Addl. District Magistrate, Keonjhar

Memo No. **2060** /Rev/Dt **20.11.2021**

Copy forwarded to the Authorised Signatory M/s. JSW Utkal Steel Ltd., Bandrakuria Complex, Bandra(East), Mumbai-400051 for information and necessary action.


Addl. District Magistrate, Keonjhar

Memo No. **2061** /Rev/Dt **20.11.2021**

Copy forwarded to the Tahasildar, Banspal for information and necessary action. He is directed to realize the premium/land cost Rs. 45,86,076/- from the User Agency and take follow up action i.e. correction of RoRs etc. after realization of the premium/land cost. The alienation case record No.1/2020 of Banspal Tahasil is returned herewith, the receipt of which may be acknowledged.

Copy to Guard File.


Addl. District Magistrate, Keonjhar

BY E-MAIL

OFFICE OF THE TAHASILDAR, BANSPAL

No. 3412 /Rev. dated 30 /11/2021

To

**The Authorized Signatory
M/s JSW Utkal Steel Ltd.
Bandrakurla Complex, Bandra (East) Mumbai-400051**

Sub: - Sanction of alienation of land regarding depositing of premium in connection with alienation Case No.1/2020 in respect of Mouza- Padadiha - regarding.

Ref:- District Office Memo No.2160/Rev.dt.20.11.2021 of Addl. District Magistrate, Keonjhar to your address.

Sir,

In inviting a reference to the letter on the subject cited above, I am to say that Collector, Keonjhar has sanctioned alienation case bearing No.1/2020 under the following land schedule vide District Office Order No.2156/Rev.dt.20.11.2021

LAND SCHEDULE

Name of the village	Khata No.	Plot No.	Area (in Ha.)	Kissam
1	2	3	4	5
Podadihi	66	329/736	11.0000	Parbat-I
		519	11.8000	Parbat-I
TOTAL			22.8000 Or Ac.56.34	

As per terms and condition cited vide order referred above, It is therefore, requested to deposit an amount of **Rs.45,86,076.00 (Rupees Forty Five Lakh Eighty Six Thousand Seventy Six)** only on the following Bank details through RTGS/NEFT under intimation to this Office for taking further course of action at this end.

(Contd..P/2...)

// 2 //

Sl.No.	Bank details	
01	Name of the beneficiary	Tahasildar Banspal
02	Account Number	31513149223
03	Name of the Bank	State Bank of India, Keonjhar
04	Branch code	113
05	IFSC code number	SBIN0000113
06	MICR Number	758002002

Yours faithfully,


TAHASILDAR, BANSPAL

Memo No. _____/Rev.dated ____/11/2021

Copy submitted to the Sub-Collector, Keonjhar for favour of kind information and necessary action with reference to Dist. Office memo No.2159/Rev. dt.20.11.2021.


TAHASILDAR, BANSPAL

Memo No. _____/Touzi.dated ____/11/2021

Copy submitted to the Addl. District Magistrate Keonjhar for favour of kind information and necessary action with reference to Dist. Office memo No.2161/Rev. dt.20.11.2021


TAHASILDAR, BANSPAL

Memo No. _____/Touzi.dated ____/11/2021

Copy to Nazir of this Office for information and necessary action.


TAHASILDAR, BANSPAL

ICICI Bank Advice Receipt
12/30/21 5:25 PM

Transaction Details

Account Number: **006105023813**

Transaction Date: **30-12-2021 00:00:00**

Transaction Amount: **INR 45,86,076.00**

Debit/Credit: **Debit**

Transaction Description : **RTGS/ICICR420211230005
36646/SBIN0000113/**

**Note: This is an electronically generated receipt and
does not need any signature.**

OFFICE OF THE TAHASILDAR, BANSPAL

No. 533 /Rev dated 08/02/2022

To

The Divisional Forest Officer, Keonjhar Division.

Sub: Alienation of non forest Government land for compensatory afforestation-
Submission of R.O.R. thereof.Ref: Memo No.2158/Rev. Dt.20.11.2020 & Memo No.185/Rev.dl.31.01.2022 of
the Addl. District Magistrate, Keonjhar.

Sir,

In inviting a reference to the letter on the subject cited above, I am to enclose herewith the ROR of village Podadihi after corrected in Bhulekh Programme being alienated of sanctioned by the Collector, Keonjhar vide his Order No. 2158/Rev. Dated 20.11.2021 under reference of this Tehsil in the following land schedule.

As per order of the Collector, Keonjhar, the said land is meant for compensatory afforestation and will be exclusively used for the purpose for which it is alienated within 3years, and all precautionary steps may be taken to keep it free from encroachment failing which the said land will be reverted to Government Khata.

LAND SCHEDULE

Mouza	Khata No.	Plot No.	Area (In Hc.)	Kissem
Podadihi	66 (AJA)	329/P	11.0000	Parbat-I
		519	11.8000	Parbat-I
TOTAL		2PLOTS	22.8000	

Further, I am to inform you that as one R.O.R. exist in respect of Mouza-Padadihi in Bhulekh software data in the name of State Forest Department, the above noted plots were included and R.O.R. prepared accordingly vide Khata No.1/1.

The receipt of the R.O.R. bearing No.1/1 in respect of Mouza- Podadihi may kindly be acknowledged.

Yours faithfully,

Encl: As above

Sahm
TAHASILDAR, BANSPAL
(Contd..P/2..)

*Recd
To
9-2-22*

Schedule I Form No.39-A

ଖାତିୟାନ

ମୌଜା : ଘୋଡ଼ାଡ଼ି

ଚଉପିଲ : ୧୩୫୭୭

ଘାଟ : ଗରାବେର

ତରଫିଲ ନମ୍ବର : ୦୫

ଘାଟା ନମ୍ବର : ୫୫

ବିଭା : ଘୋଡ଼ାବେର

ଉପରୋକ୍ତ ଲା ଓ ଲେଖା
ବା ଖତିୟାନର କୃତ୍ରିମ ନମ୍ବର

କୃତ୍ରିମ ସରକାରୀ ପ୍ରାମାଣ ଲାଗୁ କରାଯାଉ ନାହିଁ ।

୧) ଖତିୟାନର କୃତ୍ରିମ ନମ୍ବର

1/1

୨) ପ୍ରକାର ନାମ, ପିତାଙ୍କ
ନାମ, ଗଣିତ ଓ ନାମାଙ୍କନ

ଗାଈ ନାମ ଓ ପରିବେଶ ବିଭାଗ, ଓଡ଼ିଶା ।

ନାମ	କାରକ	ଖାତା	ତରଫ	ନିଜର ଦେବ ଓ ଅନ୍ୟାନ୍ୟ ଦେବ ଯଦି କିଛି ଥାଏ	ମୋଟ	୫) କୁମାରବିଶାଳ ଓ ଶରଣାଦ ଦେବତା
୫) ଶରଣ		0.00	0.00	0.00	0.00	

୬) ବିଭେଦ ଅନୁସାରେ
କୃତ୍ରିମ ଲାଗ

Alienation Case No. 2/2019 ଡି.ଡି. ପୁର ନଂ 329/730 ଉତ୍ତରା ଶେ 15.2000, ପୁର ନଂ 361/731 ଉତ୍ତରା ଶେ 2.4000, ପୁର ନଂ 499/732 ଉତ୍ତରା ଶେ 18.0400, ପୁର ନଂ 500/733 ଉତ୍ତରା ଶେ 13.5380, ପୁର ନଂ 501 ଉତ୍ତରା ଶେ 15.2600, ପୁର ନଂ 537/734 ଉତ୍ତରା ଶେ 3.6000, ପୁର ନଂ 538 ଉତ୍ତରା ଶେ 12.7800, ପୁର ନଂ 539 ଉତ୍ତରା ଶେ 14.5190, ପୁର ନଂ 565 ଉତ୍ତରା ଶେ 16.8000, ପୁର ନଂ 566/735 ଉତ୍ତରା ଶେ 8.7010 ଖା.ଖା. 66 ରୁ ।
Alienation Case No. 1/2020 ଡି.ଡି. ପୁର ନଂ 329/736 ଉତ୍ତରା ଶେ 11.0000, ପୁର ନଂ 519 ଉତ୍ତରା ଶେ 11.8000 ଖା.ଖା. 66 ରୁ ।

BLANK SPACE FOR STAMPING

ପଞ୍ଜିକ ପ୍ରାଧିକାର ଚାରିଖ :

ଉତ୍ତରା ଖାତା ଚାରିଖ :

ଉତ୍ତରା ଖାତା ଚାରିଖ ଶେ ୨୦୧୫

ପରିଷ୍କାର ପ୍ରତିଷ୍ଠା ୧୮		କ୍ଷେତ୍ର : ପ୍ରାଥମିକ			ମୋଟ : ପ୍ରାଥମିକ	
ପ୍ରାଥମିକ ପ୍ରାଥମିକ ୧୮	କ୍ଷେତ୍ର ୧ ପ୍ରାଥମିକ ୧୮	କ୍ଷେତ୍ର ୨ ପ୍ରାଥମିକ ୧୮	ପ୍ରାଥମିକ			ମୋଟ
			୧୮	୧୮	୧୮	
329730	ପ୍ରାଥମିକ		37560	15.2000	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 329730 ୧୮ ୧୮ 15.2000 ୧୮ ୧୮ ୧୮	
361731	ପ୍ରାଥମିକ		5910	2.4000	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 361731 ୧୮ ୧୮ 2.4000 ୧୮ ୧୮ ୧୮	
499732	ପ୍ରାଥମିକ		44570	18.0400	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 499732 ୧୮ ୧୮ 18.0400 ୧୮ ୧୮ ୧୮	
500733	ପ୍ରାଥମିକ		33450	13.5380	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 500733 ୧୮ ୧୮ 13.5380 ୧୮ ୧୮ ୧୮	
537734	ପ୍ରାଥମିକ		8895	3.6000	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 537734 ୧୮ ୧୮ 3.6000 ୧୮ ୧୮ ୧୮	
566735	ପ୍ରାଥମିକ		21300	8.7010	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 566735 ୧୮ ୧୮ 8.7010 ୧୮ ୧୮ ୧୮	
501	ପ୍ରାଥମିକ		37700	15.2000	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 501 ୧୮ ୧୮ 15.2000 ୧୮ ୧୮ ୧୮	
538	ପ୍ରାଥମିକ		31580	12.7800	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 538 ୧୮ ୧୮ 12.7800 ୧୮ ୧୮ ୧୮	
539	ପ୍ରାଥମିକ		35870	14.5190	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 539 ୧୮ ୧୮ 14.5190 ୧୮ ୧୮ ୧୮	
565	ପ୍ରାଥମିକ		41510	16.8000	Rev.Misc. Case No. 4/2019 ପ୍ରାଥମିକ ପ୍ରାଥମିକ 565 ୧୮ ୧୮ 16.8000 ୧୮ ୧୮ ୧୮	
529736	ପ୍ରାଥମିକ		371816	11.0000		
519	ପ୍ରାଥମିକ		291584	11.8000		
12 ୧୮			354905	143.6380		

GOVERNMENT OF ODISHA
FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0041-2022- 13365 /FE&CC Date 28.07.22

10F (Cons) 103/2019

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- Podadihi under Bansapal Tahasil in the District of Keonjhar mutated and transferred in favour of Forest, Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 22,671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry Pumping Station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha vide in-principle approval Order No.5-ORC400/2019-BHU, dt.23.12.2019 of Government of India, MoEF & CC, ERO, Bhubaneswar under Section-2 of the Forest (Conservation) Act, 1980, the limits of which are specified below and the area of which is 22,800 ha or 56,340 Ac. shall be 'Protected Forest' with effect from the date of issue of the Notification and shall be known as "**Podadihi Protected Forest**".

Forest Block:

Name of the Protected Forest	:	Podadihi Protected Forest
		Patch-I Patch-II Total
Area in Ha	:	11,000 11,800 22,800
Area in Acres	:	27,1816 29,1584 56,340
Name of the Village	:	Podadihi
Name of the Police Station	:	Nayakote
Name of the Tahasil	:	Banspal
Name of the Sub-Division	:	Keonjhar
Name of the District	:	Keonjhar

Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description				Patch
					North	South	East	West	
Podadihi	1/1	329/736	Parbat-I	27.1816	Unchamadihi Boundary	Plot No. 330 & 340	Plot No. 329 (P)	Plot No. 323, 326 & 325	Patch -I



		519		29.1584	Plot No. 528	Plot No. 520 & 521	Plot No. 522	Plot No. 504 & Village Boundary Sheet-2	Patch - II
			Total	56.340 Ac. or 28.800 Ha					

By Order of the Governor

(SATYABRATA SAHU)

Additional Chief Secretary to Government

By e-mail: deputydirectorppr@rediffmail.com

Memo No. 13366 / FE&CC Date 28.07.22

Copy with soft copy (CD form) forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to FE&CC Department.

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

OSD-cum-Special Secretary to Government

Memo No. 13367 / FE&CC Date 28.07.22

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, Aliganj Road, New Delhi-110003/ Deputy Director General of Forests (Central), Govt. of India, MoEF & CC, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar-23 for information and necessary action.

OSD-cum-Special Secretary to Government

Memo No. 13368 / FE&CC Date 28.07.22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Surveys, Odisha, Cuttack/ R.D.C. (N.D.) Sambalpur / Collector & DM, Keonjhar/ Tahasildar, Banspal Tahasil, Dist.-Keonjhar for information and necessary action.

OSD-cum-Special Secretary to Government

Memo No. 13369 / FE&CC Date 28.07.22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha / Chief Conservator of Forests (FD&NO) FC Act, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Rourkela-Circle / Divisional Forest Officer, Keonjhar Forest Division for information and necessary action.

OSD-cum-Special Secretary to Government

P.T.O.

-03-

Memo No. 13370 / FE&CC Date 28.07.22

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 Dt. 22.11.2016 / 5 spare copies for G.F. for information and necessary action.


OSD-cum-Special Secretary to Government



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfokjr.od@gov.in

No. 587 /6F-Mining- 305/208
Dated, Keonjhar the 28-01- 2020

To

The Director,
M/s JSW Utkal Steel Ltd, Plot No. 3,
Forest Park, Sishubhawan Square,
Bhubaneswar-751009

Sub: Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry Pumping station and water intake System of M/s JSW Utkal Steel Ltd under Barbil Tahasil in Keonjhar District, Odisha.

X-Sub: **Demand of funds towards Net Present Value (NPV) over 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry Pumping station and water intake System of M/s JSW Utkal Steel Ltd under Barbil Tahasil in Keonjhar District, Odisha**

Ref: Letter No. 5-ORC400/2019-BHU dated 23.12.2019 of ERO, MoEF&CC, Govt. of India, Bhubaneswar.

Sir,

You are requested to deposit the amount of **Rs. 1,65,49,830/- (Rupees one crore sixty-five lakh forty-nine thousand Eight hundred thirty)** only towards Net Present Value (NPV) at the rate of Rs. 7,30,000 per ha as the project area falls under the type Northern Tropical Moist Deciduous Forest- 3C (Eco Class- I, Canopy density- 0.2) over 22.671 ha in respect of establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry Pumping station and water intake System of M/s JSW Utkal Steel Ltd under Barbil Tahasil in Keonjhar District, Odisha in compliance to the condition No. 2(vi) of the aforementioned Stage- I approval order of ERO, MoEF&CC, Govt. of India, Bhubaneswar. The demanded amount has to be deposited within **30 days** from the date of issue of this letter 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.

Yours faithfully,

[Signature]
28/1/20

**Divisional Forest Officer,
Keonjhar Division.**

(2)

Memo No. 588 /Dated. 28-01- 2020

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

[Signature]
28/1/20

**Divisional Forest Officer,
Keonjhar Division.**

**JSW Steel Limited**

Regd. Office: JSW Centre
Bandra Kurla Complex,
Bandra (East), Mumbai – 400 051
CIN :
L27102MH1994PLC152925
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000
Website : www.jsw.in

Ref No. JSW/U/O/2021-22/12

Date: 31.01.2022

To

**The Divisional Forest officer,
Keonjhar Division.
Keonjhar**

Sub: payment of NPV over 22.671 Ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming(Beneficiation) Plant, Slurry pumping station and water intake system of M/s JSW Utkal Steel Ltd under Barbil Tahasil in Keonjhar District, Odisha.

Ref: Your Office letter no 587/6F-Mining-305/208 Dt. 28.01.2020.

Sir;

With reference to the subject cited above, we have transferred an amount of Rs.1,65,49,830/- (One Crore sixty-five lakhs forty-nine thousands eight hundred thirty Rupees only) through e-portal of MoEF&CC by RTGS/NEFT towards payment of Net Present Value (NPV) over 22.671 ha in respect of establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) Plant, Slurry pumping station and water intake system of M/s JSW Utkal Steel Ltd. The RTGS slip (UTR No. ICICR42022012800546381) is enclosed herewith for kind information.

Please acknowledge the receipt as above.

Thanking you

Yours faithfully

For JSW Utkal Steel Limited**Authorized Signatory**

Encl. as above:





ICICI Bank Advice Receipt
1/28/22 7:08 PM

Transaction Details

Account Number: **006105023813**

Transaction Date: **28-01-2022 00:00:00**

Transaction Amount: **INR 1,65,49,830.00**

Debit/Credit: **Debit**

Transaction Description : **RTGS/ICICR420220128005
46381/UBIN0903710/**

**Note: This is an electronically generated receipt and
does not need any signature.**

AGENCY COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date : 28-01-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705743
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address.	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneswar, Odisha Khordha
Amount(in Rs)	16549830/-

Amount in Words :One Crore Sixty-Five Lakh Forty-Nine Thousand Eight Hundred and Thirty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150826736705743 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date : 28-01-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705743
MoEF/SG File No.	5-ORC400/2019-BHU
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Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

After making successful payment, User Agencies may send a line of confirmation through
Email: helpdeskcampa@corpbank.co.in

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 to
Email: cb0371@unionbankofindia.com

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS (WILDLIFE) &
CHIEF WILDLIFE WARDEN, ODISHA

Department of Forest, Environment & Climate Change, Government of Odisha

PRAKRUTI BHAWAN, PLOT NO.1459, SAHEED NAGAR, BHUBANESWAR- 751007

Phone: 0674-2602250, Website: www.wildlife.odisha.gov.in, Email: odishawildlife@gmail.com

No. 8075 /7WL-FD&WLC-43/2020

Bhubaneswar, Dated the 21st August, 2021

To

The Authorized Signatory,

JSW Utkal Steel Limited,

Plot No.3, Forest Park, Shishubhawan Square,

Bhubaneswar - 751009

Sub: Diversion of forest land for industry and its facilities by JSW Utkal Steel Ltd. in Barbil Tahsil of Keonjhar district.

Sir,

It is to intimate that you have to implement a Site Specific Wildlife Conservation Plan for the above project in compliance to condition No.2(ix) of Stage-I approval granted by Government of India, MoEF&CC, ERO, BBSR in their letter No.5-ORC400/2019-BHU dated 23.12.2019 for diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water intake System under Barbil Tahasil in Keonjhar district.

The Site Specific Wildlife Conservation Plan in respect of the above project is hereby approved with financial forecast of Rs.292.12 lakh (Rupees two crore ninety-two lakh twelve thousand) only for implementation of the activities in project as well as impact area as detailed in the approved plan.

The total cost of Rs.292.12 lakh (Rupees two crore ninety-two lakh twelve thousand) only may be deposited in State CAMPA fund through e-portal (<https://parivesh.nic.in/>) for implementation of activities in project as well as impact area in Keonjhar Division.

P.T.O.



It is further requested to take note of the following conditions for future compliance.

- The Plan may be revisited after 5 years and the user agency will give undertaking to contribute towards the revised cost of the Conservation Plan till the project period, if any.
- Should there be need for Site Specific Wildlife Conservation Plan after expiry of the present plan period, the user agency shall submit another such plan at least one year before expiry of the present Conservation Plan and deposit the outlay amount upon its approval. In case of delay, it will be dealt as per law for violations of Forest (Conservation) Act, 1980 and Environment (Protection) Act, 1986.
- The user agency shall give an undertaking to bear the differential cost in case of enhancement of wage rate during implementation of the plan.

Yours faithfully



Encl: 2 copies of approved SSWLCP

Principal CCF (WL) & CWLW, Odisha

Memo No. 8076 /date 21/08/2021

Copy forwarded for information and necessary action to the -

1. Special Secretary to Government of Odisha, FE&CC Department, Bhubaneswar with reference to that department memo No.793 dt 10.01.2020
2. Principal Chief Conservator of Forests, Odisha, Bhubaneswar
3. Regional Chief Conservator of Forests, Rourkela Circle with reference to his memo No.1483 dt 11.06.2021 and memo No.2194 dt 13.08.2021
4. Divisional Forest Officer, Keonjhar Division alongwith a copy of the approved SSWLCP with reference to his memo No.3142 dt 24.05.2021 and memo No.4628 dt 09.08.2021.



Principal CCF (WL) & CWLW, Odisha

**Site Specific Wild Life Management Plan
For**

JSW Utkal Steel Ltd

Bhubaneswar, Odisha



By

Sarangi & Ray Eco Consultants

Bhubaneswar, Odisha

March, 2021

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1	Topo Map showing the Joda unit projects	Plate No.-1
2	Topo Map showing location of adjoining projects	Plate No.-2
3	Topo Map showing the Impact/Study Area	Plate No.-3
4	Map showing the Location of the project area with reference to WL Sanctuaries and National Parks	Plate No.-4
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1	Stage-I approval for non-forest use of 22.671 ha of forest land (within the total area of 80.505 ha has been issued in No. 5-ORC 400/2019-BHU dt.23.12.2019 by MoEF, Government of India.	Annexure-I
2	Copy of ToR issued by the Govt. of India, Ministry of Environment, Forest and Climate Change in their letter F. No J-11011/271/2018-IA-II (I), Dated: 5 th April, 2019.	Annexure-II
3	Copy of Site Inspection Report of DFO.	Annexure-III
4	Copy of the list of Flora & Fauna Authenticated by DFO, Keonjhar, in his letter No.8146/F-MINING-305/2018, dated, 28.06.2019.	Annexure-IV

EXECUTIVE SUMMARY

1. JSW intend to establish certain projects/industry under Joda Unit under the jurisdiction of Keonjhar Forest Division in Barbil Tahasil of Keonjhar District wherein the project proponent is required to get approval of the Government as per different conditions imposed by the Government. This Site Specific Wildlife Management/Conservation Plan is prepared to fulfill the required condition.
2. The total area involved in this project is 80.505 ha., out of which, the forest land area required for the project is 22.671 ha in Keonjhar Forest Division. The forest land involved in the proposed project is mostly open forest with Sal dominance with its associates.
3. The proposed area can be located on Topo Sheet No. F45H8 (Old 73F/8) with
Latitude between - 22° 03' 27" N and 22° 04' 42" N
Longitude between - 85° 27' 26" E and 85° 28' 24" E.
4. For the Keonjhar Forest Division as a whole, commonly occurring fauna include Spotted Deer, Barking Deer, Wild Pig, Hyena, Jackal, Indian Hare, Palm Squirrel, Hanuman Langur and small Indian Mongoose. Birds seen in this area are Parakeets, Spotted Dove, Grey Jungle Fowl, Crow, House Sparrow, Crow Pheasant, Blue Jay, Black Drongo, Spotted Owlet, Spotted Munia, Sunbirds, Tailor Bird etc. Reptiles that are commonly reported are Cobra (*NajaNaja*), Rat Snake, Sand Boa, House Geko, Keel Back, etc.
6. The rainfall and temperature are moderate.
7. Human-animal conflict has been noticed at moderate rate according to information collected from the village and from the office of Keonjhar Division. However, the threat to wildlife is from forest fire, water scarcity, poaching, habitat destruction, and movement of train within the forest area. Besides the stake holder's dependence on forests for legitimate use of fuel wood and other small timber and grazing of cattle also create some disturbance for the wild animals.

8. The present project is located within a cluster of mines and industries, hence the effective impact on wildlife is negligible.

9. However, in order to compensate whatever damage occurs due to the project implementation in the forest area, the proponent has been asked to prepare a Site Specific Wildlife Conservation Plan which includes mitigation measures as well as suggestions to improve the existing habitats. This will help to maintain the tranquility of wildlife habitat in other locations in lieu of the forest area diverted.

10. The important measures envisaged to mitigate the negative impacts arising due to project implementation are as follows: -

Project Area Steps by the Project Proponent: and funds to be
deposited in State wildlife fund -
Construction Phase

During construction phase general measures will be taken to reduce pollution. However, this phase is a temporary phase and after completion of construction activities this phase will be over.

Operation Phase

During operation phase steps will be taken to:

The following steps are proposed in the Environment Management Plan; hence no cost is suggested.

- a. Control of Water Pollution.
- b. Control of Air Pollution.
- c. Control of Noise Pollution.
- d. Control of Traffic Density.
- e. Measures to maintain Ecology.

The following steps are proposed in the Site Specific Wildlife Conservation Plan:

- f. One multi-purpose vehicle "BOLERO CAMPER" to be used for Wildlife/Forest Protection and Animal Rescue Van will be provided at a cost of Rs 20.00 Lakhs.

Project Impact Area: Steps to be taken by Forest Department with the funds
provided by the project proponent:

- g. Habitat/Wildlife Protection will be done through forest fire prevention

by deployment of 10 nos. of Fire Watchers with a cost of Rs.60.00 lakhs for 10 years.

h. One hired vehicle with fuel will be deployed for fire protection. The cost for 10 years will be Rs.24.60 lakhs.

i. Wildlife Protection and Man Animal Conflict will be reduced by:

- Deployment of 5 nos. of Gajabandhus with expenditure of Rs.60.00 lakhs.

- Monitoring of Elephant Movement: Camera Traps and Drones will be deployed, particularly in the areas of elephant movement. Proposed cost Rs.10.00 lakhs.

- Construction of one Anti-poaching cum anti-depredation Barrack. Cost Rs.20.00 lakhs.

j. Others:

- Establishment of GIS Cell at RCCF's office – Rs.10.00 lakhs.

- Provision of Solar Street Lights in 10 villages – Rs.19.00 lakhs.

- Display of Fluorescent Signage and creation of Awareness – Rs.15.00 lakhs.

k. Monitoring and Evaluation: The implementation of this plan will have to be closely monitored and evaluated during 4th year and 8th year through independent person/agency. An amount of Rs.4.00 lakh is provided for the purpose.

11. This plan is being prepared for 10 years and may be revised thereafter considering the changes which may take place in the forest in question after implementation of this plan.

12. The total allocation of funds during the plan period is Rs.292.12 lakhs, which shall be deposited with the Forest department/D.F.O. Keonjhar.

CHAPTER- I

INTRODUCTION TO THE PROJECT AREA

(Location of the project and its impact area around)

The District of Keonjhar is very rich in Forest as well as wild life. This district is a part of Eastern Ghats and is a continuation of famous Saranda Forest. Various Wild Life species including Elephants are present in this District.

At the same time, it is the mineralized district of the state of Odisha. The important minerals are mostly Iron Ore and Manganese.

Keonjhar District is also an Industrial Belt. A number of Industries have come up in District. Presence of Wild-Life along with Industries and Mining activities create a conflicting situation.

JSW intend to establish iron ore grinding unit, De-sliming Plant (Beneficiation Plant), Slurry pumping station, Water in-take System Project/ Industry under Joda unit under the jurisdiction of Keonjhar Forest Division in Barbil Tahasil of Keonjhar District wherein the project proponent is required to get approval of the Government of India as well as the Government of Odisha as per statutory provisions of different Acts and Rules.

This is a composite project involving the following components for which Stage-I clearance of Forest Diversion Proposal have been issued.

This area falls within Keonjhar Forest Division of Keonjhar District. The total area involved in the project is 80.505 ha. and Forest land involved is 22.671 ha.

A. Location:

(The Project Area

District and State - Keonjhar, Odisha

Sub-Division -Champur

Villages in the vicinity - Gobardhanpur, Bhagapur, Lahanda, Kandara, Sialjodi, Badahundula & Jugudidar.

Forest Division - Keonjhar Forest Division,

Forest Range - Barbil Forest Range.

Bileipada Forest Section and Balita Beat.

Project area - 80.505 ha. (includes Forest area of 22.671 ha)

This area can be located on Topo Sheet No. F45H8 (Old 73F/8) with

Latitude between - 22° 03' 27" N and 22° 04' 42" N

Longitude between - 85° 27' 26" E and 85° 28' 24" E.

This area can be approached from Keonjhar – Joda Road near Bileipada. The distance of the lease area is around 60-65 kms from the district Headquarters, Keonjhar.

The nearest Township is Joda at a distance of around 10 kms, where all the market facilities, transport and excellent health care are available.

The Bhubaneswar – Keonjhar - Banspani Railway link is situated at a distance of 500 mts on the Eastern side.

The river Baitarani flows from west to east at a distance of about 5-7 kms towards south of the project area.

ii. Proposed Land Use Pattern

The land use pattern is as indicated above.

B. Statutory Clearance:

i. Status of Forest Diversion Proposal

Stage-I approval for Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water Intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar district, Odisha has been issued in No. 5-ORC 400/2019-BHU dt. 23rd December, 2019 by MoEF, Government of India. In the said approval order condition No. - ix prescribes "As recommended by the State Govt. the Site Specific Wildlife Conservation Plan pertaining to the project duly approved by the CWI.W. Odisha shall be implemented at the project cost."

ii. Status of Environmental Clearance

The Govt. of India in their Ministry of Environment, Forest and Climate Change prescribed the ToR in their letter F. No. J-11011/271/2018-IA-II (I), Dated: 5th April, 2019. The following conditions have been imposed by the Government of India.

In the Recommendations of the Committee, point No.vi. it is prescribed that, "The list of flora and fauna with its schedule exists in the study area shall duly be

authenticated by the Divisional Forest Officer and submitted along with the EIA report."

In the Generic ToR the following conditions relating to Wildlife (if applicable) are prescribed.

Condition No. 5.iv: - "The projects to be located within 10 km of National Parks, Sanctuaries, Biosphere Reserve, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon". (However This condition is not applicable)

Condition No. 5. v: - Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for Conservation of Schedule I fauna, if any exists in the study area. (This Plan is prepared to comply this condition)

Condition No. 5. vi: - Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife. (This condition is not applicable).

C.Villages and Habitation

i. Project Area: The project area covers parts of five villages as stated above. There is no population within the project area.

ii. Impact Area of 10 kms Radius: The impact area of 10 km radius three Townships such as Barbil, Bhadrashi and Joda. Around twenty-two villages are within this area. Parts of three CD Blocks such as Joda, Champua & Jhumpura are also within this area.

The demographic pattern of these three Blocks can be described as follows.

Total House Hold	-	79754	
Total Population	-	354198	
Total Male	-	178651	(50.44%)
Total Female	-	175547	(49.56%)
Total Scheduled Cast	-	30064	(8.49%)
Scheduled Cast Male	-	15054	
Scheduled Cast Female	-	15010	
Total Scheduled Tribe	-	185205	(52.29%)
Scheduled Tribe Male	-	92249	

Wildlife Conservation PlanJSW Utkal Steel Limited

Scheduled Tribe Female	-	92956	
Total Literate	-	191229	(53.99%)
Male Literate	-	113244	
Female Literate	-	77985	
Total Workers	-	156319	(44.13%)

Employment:

The major employment of this part of Keonjhar District is mining and mining related activities. Some of the local people also practice Agriculture mostly for their own consumption.

Cropping Pattern:

Agriculture in the area mostly depend on rains. The major crop is paddy. Other crops like Ragi, Maize etc. are grown to some extent. Some people also grow vegetables which finds a ready market.

Biotic Pressure:

Mining activities is a predominant factor particularly in the northern part of the district. Due to various mining and allied activities the Forest area is gradually getting reduced. Therefore, the forests in the impact area are under heavy biotic pressure. The local people depend on these forests for fuel wood, small timber, construction timbers and several NTFP items. Similarly, the cattle population of the area depend solely on grazing. Stall feeding is not practiced in the area. Besides these pressures, Forest fire occurs repeatedly every year which destroys the humus content of the soil and also damages the regeneration.

Impact on Wildlife:

Due to the heavy biotic pressure as narrated above the wild animals are gradually getting rarer. The only visible wild animal is Elephant. But due to degradation of Forest and wildlife habitat, elephant depredation as well as man-animal conflicts are increasing.

D. Topography, Natural Drainage Lines, Water Source:

The project area is moderately undulating with patches of plane land. The general slope of the area is towards South. The drainage takes to river Baltarani through Kundra Nala.

Climate

The lease area falls within the Tropical region which is marked by very hot and prominent summer. There are three distinct seasons, a prominent summer season from March to June. Well defined rainy season from July to October and moderate winter from November to February.

The average annual rainfall of past 5 years is 1583 mm. Maximum rainfall is received due to South-West Monsoon. About 80% of the rainfall is received during the month of July & August. The number of rainy days varies from 65 to 80 days during the year.

The temperature during summer rises very high. The maximum temperature rises to 44°C in hot summer whereas the minimum temperature at times comes down to 7°C during winter months.

The relative humidity varies from 95% during rainy season to 18% during summer.

Drainage

Drainage takes place towards South to Kundra Nala and ultimate drainage leads to river Baitarani. The River Baitarani flows at a distance of about 7 kms in South.

E. Details of Linear Infrastructures:

Roads: The major road of the area is NH-520 lies at a distance of 2 km south from the plant area.

SH-10 lies at a distance of 7 kms in the west of the project area.

Rail Line: The Railway line from Keonjhar to Badbil lies at a distance of about 0.5 kms in east, running North-South direction. Railway Station Deojhar is at a distance of 1 km from the project area.

Water Ways: Kundra Nala flows along the southern boundary of the project area. Baitarani river flows at a distance of almost 7 km in the south.

The water in-take well is located at River Baitarani in the south-east.

Mine Pits: Some mining projects are situated towards North of the project where mine pits are there.

Other Projects within the Impact Area: The Project area is surrounded on all sides by several other projects and mining leases. There are 43 mining projects within a radius of 10 kms as detailed below.

List of Mines within 10 kms of Project Area

Sl. No.	Owner	Area in Ha.
1	D.R.Pattnaik – Murgabeda Iron Ore Mines	15.378
2	OMC – Bansapani Iron Ore Mines	378.225
3	OMC – Serenda Iron & Mn. Ore Mines	1734.757
4	Sarada Mines – Thakurani Iron Ore Mines	947.046
5	TISCO – Joda East Iron Ore Mines	671.093
6	TISCO – Joda West Iron Ore Mines	1437.719
7	TISCO – Manmora Mn. Mines	16.689
8	Tarini Minerals – Deojhar Iron Ore Mines	34.365
9	TISCO – Katamati Iron Ore Mines	403.323
10	Bhanja Minerals- Inganijharan Iron Ore Mines	216.885
11	B.C.Deb - Inganijharan Iron & Mn. Ore Mines	114.930
12	Mala Rai – Jalahari Iron & Mn. Ore Mines	182.109
13	ESSEL- Kasia Iron & Dolomite Ore Mines	194.196
14	TISCO – Boneikela Mn. Mines	227.527
15	B.D.Pattnaik – Kalaparbat Iron Ore Mines	25.632
16	SAIL – Bolani Iron Ore Mines	416.843
17	MESCO- Roida Iron Ore Mines	40.319
18	Adhunik Metaliks – Kulum Iron Ore Mines	33.879
19	Mineral Trading Syndicate- Bhulbeda Iron Ore Mines	62.322
20	K.N.Ram – Roida- II Iron Ore Mines	74.867
21	Sarojini Pradhan – Baitarani Iron Ore Mines	65.397
22	Sarojini Pradhan – Balita Iron Ore Mines	34.75
23	Sarojini Pradhan – Inganijharan Iron Ore Mines	18.700
24	K.C.Pradhan – Chamakpur Iron Ore Mines	31.693
25	S.C.Padhi - Bansapani Iron & Mn. Ore Mines	37.868
26	S.C.Padhi – Gurubeda Iron Ore Mines	29.633
27	S.N.Mohanty – Khuntapani Iron Ore Mines	15.378
28	Kushaleswar Minerals, Raikia – Kalaparbat Iron Ore Mines	9.814
29	K P Enterprisers – Thakurani Iron Ore Mines	228.04
30	OMDC – Belkundi Iron Ore Mines	1276.790
31	OMDC – Kolharoida Iron Ore Mines	254.952

32	OMC – Roida 78 Iron Ore Mines	76.743
33	IDC – Roida Iron & Mn. Ore Mines	85.958
34	OMC – Daiki Iron Ore Mines	266.770
35	T B Lal – Kasia Iron Ore Mines	77.500
36	ESSEL – Jalang Jururi Iron & Mn. Ore Mines	112.137
37	S D Sharma – Raika Iron Ore Mines	26.243
38	M R Das – Deojar Iron Ore Mines	11.533
39	Narayani Sons – Suruguturia-99 Iron Ore Mines	95.969
40	Narayani Sons – Suruguturia-41 Iron Ore Mines	41.517
41	OMDC – Thakurani Iron Ore Mines	1702.460
42	OMDC – Daiki Iron Ore Mines	265.290
43	OMDC – Bhadrasahi Iron Ore Mines	998.700
	TOTAL	12991.939

There are also some other ancillary units in the area.

F. Description of Flora & Fauna

Project Area

The project area doesn't come within any National Park, Wild Life Sanctuary, Elephant Reserve, Biosphere Reserve or any critical wildlife habitat. There is also no such protected area within the impact area. There is also no Elephant corridor near the project area.

Flora of the Project Area:

The detail list of Flora and Fauna of the area is enclosed as Annexure-V. Some of the plant species of Forestry importance found in the project area are:


Flora of the Project Area

Local Name	Botanical Name	Family Name
TREES		
Achu	<i>Morinda tinctoria</i>	Rubiaceae
Amba (Mango)	<i>Mangifera indica</i>	Anacardiaceae
Amla	<i>Emblica officinalis</i>	Euphorbiaceae
Asan	<i>Terminalia tomentosa</i>	Combretaceae
Bahada	<i>Terminalia belerica</i>	Combretaceae
Char	<i>Buchanania lanzan</i>	Anacardiaceae

Local Name	Botanical Name	Family Name
Dhamen	<i>Grewia tillaefolia</i>	Combretaceae
Dhaura	<i>Anogeissus latifolia</i>	Combretaceae
Dhala siris	<i>Albizzia procera</i>	Mimosaceae
Haidu	<i>Adina cordifolia</i>	Rubiaceae
Harida	<i>Terminalia chebula</i>	Combretaceae
Jamun	<i>Syzygium cumini</i>	Myrtaceae
Kaluchia	<i>Diospyros sylvatica</i>	Ebenaceae
Kamalagundi	<i>Mallotus philippinensis</i>	Euphorbiaceae
Kendu	<i>Diospyros melanoxylon</i>	Ebenaceae
Kumbhi	<i>Careya arborea</i>	Myrtaceae
Kusum	<i>Schleichera oleosa</i>	Sapindaceae
Mahul	<i>Madruca indica</i>	Sapotaceae
Moi	<i>Lannea grandis</i>	Anacardiaceae
Mundi	<i>Mitragyna parviflora</i>	Rubiaceae
Palas	<i>Butea monosperma</i>	Papilionaceae
Rai	<i>Dillenia pentagyna</i>	Dilleniaceae
Rohini/ Som	<i>Soyimdia lehrifuga</i>	Meliaceae
Sai	<i>Shorea robusta</i>	Dipterocarpaceae
Semul	<i>Bombax ceiba</i>	Bombacaceae
Sidha	<i>Lagerstroemia parviflora</i>	Lythraceae
Siris/ Tendra	<i>Albizzia lebbek</i>	Mimosaceae
Teak	<i>Tectona grandis</i>	Verbenaceae
HERBS/SHRUBS		
Anantamula	<i>Hemidesmus indicus</i>	Asclepiadaceae
Arakha	<i>Calotropis procera</i>	Asclepiadaceae
Baibidanga	<i>Embelia robusta</i>	Myrsinaceae
Basanga	<i>Adhatoda vasica</i>	Acanthaceae
Dhatki	<i>Woodfordia fruticosa</i>	Lythraceae
Kurei	<i>Holarrhena antidysenterica</i>	Apocynaceae
CLIMBERS		
Atundi	<i>Combretum decandrum</i>	Combretaceae
Baldanka	<i>Mucuna monosperma</i>	Papilionaceae
Bichhuati	<i>Urera dioica</i>	Euphorbiaceae
Muturi	<i>Smylax macrophylla</i>	Liliaceae
Siali	<i>Bauhinia vahlii</i>	Papilionaceae
Satabari	<i>Asparagus racemosus</i>	Liliaceae

Fauna of the Project Area:Fauna of the Project Area

Local Name	English Name	Zoological Name	Schedule
MAMMALS			
Bilua	Jackal	<i>Canis aureus</i>	II
Heta	Hyaena	<i>Hyaena hyaena hyaena</i>	III
Kutura	Barking deer	<i>Muntiacus muntjak</i>	III
Mankad	Monkey	<i>Presbytes entellus</i>	II
Neula	Mongoose	<i>Herpestes edwardsii</i>	II
Saliapatni	Small Indian Civet	<i>Viverricula indica</i>	II
Thekus	Indian Hare	<i>Lepus nigricollis</i>	IV
BIRDS			
Bana Kuluda	Jungle fowl	<i>Gallus gallus</i>	IV
Gunduri	Grey Partridge	<i>Francolinus pondicerianus</i>	IV
Kajalpati	Black Drongo	<i>Didirius adsimilis</i>	IV
Kapta	Ring Dove	<i>Streptopelia decaocto</i>	IV
Kathahana	Goldenbacked Woodpecker	<i>Dinopium benghalense</i>	IV
Koel	Cuckoo	<i>Eudynamis scolopaceus</i>	IV
Pecha	Owl	<i>Athene trama trama</i>	IV
Kumbhatua	Crow pheasant	<i>Centropus sinensis</i>	IV
REPTILES			
Dhamana	Rat snake	<i>Ptyas mucosus</i>	II
Boda	Common Boa	<i>Boa constricta</i>	IV
Chiti	Common Indian Krait	<i>Bangarus canuleus</i>	IV
Naga	Cobra	<i>Naja naja</i>	II
Godhi	Monitor Lizard	<i>Varanus bengalensis</i>	II
Endua	Garden Lizard	<i>Calotes versicolor</i>	


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Impact Area:

The impact area extends over several Forest Blocks. The important Forest Blocks are:

Forest Blocks

1.	Baitarani RF (A)	2.40 km South
2.	Baitarani RF (B)	9.90 km SW
3.	Thakurani RF	2.80 km North
4.	Noamundi PF	6.90 km North
5.	Uliburu RF	9.90 km NW
6.	Jampani PF	5.60 km East

Due to the presence of these Forest Blocks, the Flora and Fauna are quite diverse.

Flora of the Impact Area:

The following are the important Flora of the Impact area:

Flora of the Impact Area

Local Name	Botanical Name	Family Name
TREES		
Achu	<i>Morinda tinctoria</i>	Rubiaceae
Amba (Mango)	<i>Mangifera indica</i>	Anacardiaceae
Amla	<i>Embilica officinalis</i>	Euphorbiaceae
Asen	<i>Terminalia tomentosa</i>	Combretaceae
Bahada	<i>Terminalia bellerica</i>	Combretaceae
Bara bakulia	<i>Dalbergia paniculata</i>	Paliaceae
Baruna	<i>Crateva religiosa</i>	Capparidaceae
Bel	<i>Aegle marmelos</i>	Rutaceae
Bhalia	<i>Semicarpus anacardium</i>	Anacardiaceae
Bheru	<i>Chloroxylon swietenia</i>	Meliaceae
Bija/Piasal	<i>Pterocarpus marsupium</i>	Papilionaceae
Chadeigudi	<i>Vitex peduncularis</i>	Verbinaceae
Char	<i>Buchnanan lanzan</i>	Anacardiaceae
Chhatan	<i>Alstonia scholaris</i>	Apocynaceae
Chikini/ Kalchua	<i>Glochidion lanceolarium</i>	Euphorbiaceae
Dhaman	<i>Grewia tiliifolia</i>	Combretaceae

Local Name	Botanical Name	Family Name
Dhaura	<i>Anogeissus latifolia</i>	Combretaceae
Dhata siris	<i>Albizia procera</i>	Mimosaceae
Gangasiuli	<i>Nyctanthes arborescens</i>	Oleaceae
Genduli	<i>Sterculia urens</i>	Sterculiaceae
Ghar-Khair	<i>Acacia lenticularis</i>	Mimosaceae
Gharfol	<i>Zizyphus glaberrima</i>	Rhamnaceae
Giranga	<i>Pterospermum heyneanum</i>	Sterculiaceae
Haldu	<i>Adina cordifolia</i>	Rubiaceae
Harida	<i>Terminalia chebula</i>	Combretaceae
Jamun	<i>Syzygium cumini</i>	Myrtaceae
Kaluchia	<i>Diospyros sylvatica</i>	Ebenaceae
Kamalgundi	<i>Mallotus philippinensis</i>	Euphorbiaceae
Kansa	<i>Hymenodictyon excelsum</i>	Rubiaceae
Kantapalas	<i>Cochlospermum gossypium</i>	Bixaceae
Kendu	<i>Diospyros melanoxylon</i>	Ebenaceae
Khakra	<i>Casuarina elliptica</i>	Samydaceae
Kodal	<i>Firmiana colorata</i>	Sterculiaceae
Kumbharchikni	<i>Canthium didymum</i>	Rubiaceae
Kumbhi	<i>Careya arborea</i>	Myrtaceae
Kusum	<i>Schleichera oleosa</i>	Sapindaceae
Mahul	<i>Madhuca indica</i>	Sapotaceae
Markada Kendu	<i>Diospyros embryopteris</i>	Ebenaceae
Moi	<i>Lannea grandis</i>	Anacardiaceae
Mundi	<i>Mitragyna parviflora</i>	Rubiaceae
Paldhua	<i>Entina indica</i>	Papilionaceae
Paas	<i>Butea monosperma</i>	Papilionaceae
Rai	<i>Dillenia pentagyna</i>	Dilleniaceae
Ritha	<i>Sapindus emarginatus</i>	Sapindaceae
Rohini/ Som	<i>Soyimida febrifuga</i>	Meliaceae
Sal	<i>Shorea robusta</i>	Dipterocarpaceae
Salai	<i>Boswellia serrata</i>	Burseraceae
Semul	<i>Bombax ceiba</i>	Bombacaceae
Sidha	<i>Lagerstroemia parviflora</i>	Lythraceae
Siris/ Tendra	<i>Albizia lebbek</i>	Mimosaceae
Teak	<i>Tectona grandis</i>	Verbenaceae
Telkuran	<i>Ixora arborea</i>	Rubiaceae

Local Name	Botanical Name	Family Name
Tinia	<i>Albizzia odoratissima</i>	Mimosaceae
HERBS/SHRUBS		
Anantamula	<i>Hemidesmus indicus</i>	Asclepiadaceae
Arakha	<i>Calotropis procera</i>	Asclepiadaceae
Baibidanga	<i>Embelia robusta</i>	Myrsinaceae
Basanga	<i>Adhatoda vasica</i>	Acanthaceae
Dhatki	<i>Woodfordia fruticosa</i>	Lythraceae
Kurei	<i>Holarrhena antidysenterica</i>	Apocynaceae
CLIMBERS		
Atundi	<i>Combretum decandrum</i>	Combretaceae
Baidanka	<i>Mucuna monosperma</i>	Papilionaceae
Bichhuati	<i>Urlica dioica</i>	Euphorbiaceae
Muluri	<i>Smylax macrophylla</i>	Liliaceae
Siali	<i>Bauhinia vahii</i>	Papilionaceae
Satabari	<i>Asparagus racemosus</i>	Liliaceae

Fauna of the Impact Area:

There are several mining and other projects operating within the impact area. Due to regular disturbance by various mining activities, the wild animals are rarely seen in this area. The common wildlife species which are occasionally seen in this area are:

Fauna of the Impact Area

Local Name	English Name	Zoological Name	Schedule
MAMMALS			
Belera Musa	Giant squirrel	<i>Ratufa bicolor</i>	II
Bhalu	Sloth bear	<i>Melursus ursinus ursinus</i>	II
Barha	Wild Boar	<i>Sus scrofa cristatus</i>	III
Bilua	Jackal	<i>Canis aureus</i>	II
Jhinka	Porcupine	<i>Hystrix indica</i>	IV
Kutura	Barking deer	<i>Muntiacus muntjak</i>	III
Harina	Spotted deer	<i>Axis axis</i>	III
Mankad	Monkey	<i>Presbytis entellus</i>	II
Neula	Mongoose	<i>Herpestes edwardsii</i>	II
Saliapatni	Small Indian Civet	<i>Viverricula indica</i>	II

Local Name	English Name	Zoological Name	Schedule
Thekua	Indian Hare	<i>Lepus nigricollis</i>	IV
Heta Bagha	Striped Hyena	<i>Hyaena hyaena hyaena</i>	III
Hati	Elephant	<i>Elephas maximus</i>	I
BIRDS			
Bana Kukuda	Jungle fowl	<i>Gallus gallus</i>	IV
Gunduri	Grey Partridge	<i>Francolinus pondicerianus</i>	IV
Kajalpati	Black Drongo	<i>Didirius adsimillilis</i>	IV
Kapta	Ring Dove	<i>Streptopelia decaocto</i>	IV
Koel	Cuckoo	<i>Eudynamis scolopaceus</i>	IV
Kumbhatua	Crow pheasant	<i>Centropus sinensis</i>	IV
Kathahana	Wood pecker	<i>Picoides nanus</i>	IV
Kathahana	Goldenbacked Woodpecker	<i>Dinopium benghalense benghalense</i>	IV
Sari	Hill Myna	<i>Gracula religiosa</i>	IV
Sua	Large Indian Parakeet	<i>Psittacula nipaiensis</i>	IV
REPTILES			
Dhamana	Rat snake	<i>Ptyas mucosus</i>	II
Boda	Common Boa	<i>Boa constricta</i>	IV
Chiti	Common Indian Krait	<i>Bangarus caruleus</i>	IV
Naga	Cobra	<i>Naja naja</i>	II
Godhi	Monitor Lizard	<i>Varanus bengalensis</i>	II
Endua	Garden Lizard	<i>Calotes versicolor</i>	

G. Description of Forest and Habitat Condition

i. Forest and Forest type:

As per the Odisha Forest Status Report, the total Forest area in the District of Keonjhar are as follows:

Reserved Forest	..	1834.09 Sq.km.
Demarcated Protected Forests	..	273.64 Sq.km.
Un-demarcated Protected Forest	..	220.79 Sq.km.
Other Forests under the control of Revenue Department	..	768.40 Sq.km.
Other areas with forest growth	..	284.01 Sq.km.
Total	..	3360.93 Sq.km.

Out of the total forest land only 1669 Sq.km. are Dense Forest and the balance area is either open forest or degraded.

As per the India State of Forest Report 2013 to 2019, Keonjhar District has the following types of Forests.

Type of Forests in Keonjhar District

Type of Forest	Area in Sq. Kms			
	2013	2015	2017	2019
Geographical Area	8303	8303	8303	8303
Very dense Forest	303	290	289	288.78
Moderately dense Forest	1385	1401	1404	1420.07
Open Forest	1523	1517	1519	1513.31
Total	3211	3200	3212	3222.16
% of Geographical Area	38.67	38.64	38.68	38.80
Scrub	54	56	55	53.24

It can be seen that, during the period, there has been some degradation of forest area. During the period 15 sq. kms of dense forest has been degraded to open forest.

But when compared to recorded forest area, the Forests over $(3360.93 - 3222 =)$ 138.93 sq. km. has no Forest growth.

It will be of great help if this area can be identified and restoration measures taken up.

As per the classification of Forest types of India, the leasehold area can be classified as-

Group 3C: Northern Tropical Moist Deciduous Forest.

Sub-group-3C/C. (iii) Moist peninsular valley Sal.

The geological formation and the soil conditions are very suitable for the growth of sal and its associates.

The forest areas of this region in general are under heavy Biotic pressure.

ii. Wildlife Habitat

There has been general decline in forest cover and wildlife habitat, but, the Division (Keonjhar Forest Division) continues to have rich wildlife resource. It has been found out that, the Reserved Forests in general sustain a substantial number of floral and faunal species, and their level of biodiversity is at par or even better than many Protected Areas. In many of the Forest patches Silvicultural operations are to be taken up in order to improve the habitat condition.

Heavy and continuous biotic pressure has caused considerable degradation of forests over the years and adversely affected the biodiversity of Flora and Fauna.

Habitat condition: The project area is situated in the mining belt of Keonjhar district/Forest Division. Several mining projects and industries are in operation or proposed to be operated around the project area. Hence some of the impact zone of this project will be the active project area of some other project. This belt once contained excellent forest growth.

The impact area has very important Reserved Forests like Baitarani RF A & B, Thakurani RF and Uliburu RF.

As per the Working plan, Baitarani (A) & (B) RFs and Thakurani RF has been placed under Rehabilitation Working Circle, while Uliburu RF has been placed under Improvement Working Circle.

These Forest areas are not good habitats for large animals. Elephants at times visit this area particularly during the crop season.

As per the information collected from the Forest Department personnel, small animals such as Barking Deer, Rabbits, Jungle Fowl and medium animals like Bear, Wild Pig, Hyena and different kinds of birds are found in this area. In this area adequate cover for the animals is not available and there is acute shortage of food.

H. Movement of Mega Wildlife in the Impact Area:

This area is subjected to heavy biotic pressure and regular interference. The vegetation of the area is completely disturbed. The district originally was having excellent contiguous forest and therefore contained very rich fauna. Due to various reasons the forest areas are now scattered and available in pockets interspersed with human habitations and mining activities. The condition has been further deteriorated due to issue of ownership right in the Forest areas. The wild animals are now rarely seen except elephants which is also a seasonal visitor.

This area is not a permanent habitat of elephants. But the elephants from Tholkebad area of Jharkhand enter Keonjhar district via Purusottampur area and move around in Naya Krushnapur-Kudapi-Putugaon – cross Baitarani River – Champua Range- Kalikaprasad RF- Chamakpur RF – Baitarani-RF-Putugaon – Thakurani RF – Sidhamath RF areas almost throughout the year.

Elephants have also been found to be roaming in Balda, Nekdapa, Kasia, Patuakudar, Kuliapal, Gadatoa areas particularly during paddy crop season between October to December.

Man- Animal Conflict DataInformation of Death of Elephants

Elephant	Range	Location	Cause of Death	
2016-17				
		NIL		
2017-18				
Female-40years	Teikoi	Udayagigi (Munda Sahi)	Due to septicemia	N- 21-18.47 E-85-22-27.44
Female-7years	Keonjhar	Near Village Dumuria Rashi field		N-21-27-27.4 E-85-34-09.0
2018-19				
Male-12 to 14 Years	Champua	Chamakpur KF. 150 meters away from river Baitarani	Due to shock arising from septicemia	N-21-59-45.93 E- 85-28-21.93
Female-30 Years	Keonjhar	Basantpur & Naranpur between Railway Station	Due to Train accident	N- 21-34-39.9 E- 85-38-49.6
Male Calf- 1 Month old	Champua	Mahaprabat DPF, Near village Hatimara Chhak	Due to Fighting among male & Female elephants	N-21-51-14.6 E-85-25-16.6
2019-20				
Female- 15 to 20 years	Ghatagaon	Near Gayalmunda Village	Inside Barabanka RF	N- 21-27-43.7 E- 85-46-15.3
2 Female & 1 Calf	Ghatagaon	Atei RF	Truck & Bus Accident on 21.08.2019	

Human Death due to Wild Animal Attack

Name of the Range	No. of cases	Compassionate Amount
2015-16 (Human death by Elephants)		

Champua	3 nos	900000
Patna	1 no	300000
Telikoi	1 no	300000
Keonjhar	3 nos	900000
BJP	2 nos	600000
Total	10 nos	3000000
2016-17 (Human death by Elephants)		
Barbil	1 no	300000
BJP	1 no	300000
Ghatagaon	1 no	300000
Keonjhar	1 no	300000
Champua	3 nos	900000
Total	7 nos	2100000
2016-17 (Human death by Wild Bear)		
Patna	1 no	300000
Telikoi	1 no	300000
Total	2 nos	600000
2017-18 (Human death by Elephants)		
Champua	3 nos	900000
BJP	1 no	300000
Ghatagaon	2 nos	NIL
Telikoi	1 no	300000
Keonjhar	1 no	300000
	8 nos	1800000
2017-18 (Human death by Wild Bear)		
BJP	2 nos	600000
2018-19 (Human death by Elephants)		
BJP	1 no	NIL
Champua	3 nos	NIL
Keonjhar	3 nos	400000
Barbil	1 no	400000
	8 nos	800000
2018-19 (Human death by Wild Bear)		
Keonjhar	5 nos	1800000
Ghatagaon	1 no	NIL
Total	6 nos	1600000
2019-20 (Human death by Elephants)		
BJP	1 no	NIL
Telikoi	1 no	NIL
Total	2 nos	NIL

Human Injury Due to Wild Animal Attack

Human Injury by wild animal	Range	Number of cases	Amount Payment
2015-16			
Elephant	BJP	3 nos	10000

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Elephant	Champua	1 no	5000
Bear	BJP	6 nos	15000
Bear	Ghatagaon	3 nos	110000
Bear	Patna	8 nos	110000
Bear	Keonjhar	10 nos	133330
Bear	Champua	1 no	100000
2016-17			
Elephant	Champua	1 no	NIL
Elephant	Telkoi	2 nos	10000
Elephant	Keonjhar	1 no	100000
Bear	Patna	5 nos	100000
Bear	BJP	7 nos	10000
Bear	Keonjhar	11 nos	125000
Bear	Ghatagaon	3 nos	180000
Bear	Telkoi	2 nos	10000
2017-18			
Elephant	BJP	1 no	NIL
Elephant	Telkoi	1 no	5000
Elephant	Keonjhar	1 no	NIL
Elephant	Champua	1 no	100000
Bear	Keonjhar	2 nos	NIL
Bear	BJP	5 nos	NIL
Bear	Patna	6 nos	10000
Bear	Keonjhar	1 no	NIL
Bear	Telkoi	2 nos	5000
Bear	Ghatagaon	5 nos	115000
2018-19			
Elephant	Telkoi	3 nos	5000
Elephant	Champua	1 no	NIL
Elephant	BJP	2 nos	NIL
Bear	Keonjhar	6 nos	205000
Bear	Ghatagaon	3 nos	NIL
Bear	Patna	5 nos	15000
Bear	Champua	5 nos	25000
Bear	Barbil	1 no	NIL
Bear	Telkoi	4 nos	NIL
Bear	BJP	1 no	NIL
2019-20			
Elephnat	Ghatagaon	1 no	NIL
Bear	Patna	2 nos	NIL
Bear	Ghatagaon	1 no	NIL

House Damage by Elephants

Range	No. of cases damaged			Amount Sanctioned
	Partly	Fully	Total	
2016-17				

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Champua	55	8	61	170000
Barbil	9	0	9	18000
Patna	2	0	2	4000
BJP	15	6	21	90000
Ghatgaon	1	5	6	52000
Keonjhar	3	0	3	6000
Total	85	17	102	340000
2017-18				
Barbil	40	2	42	100000
Champua	87	30	117	474000
Patna	27	11	38	164000
BJP	13	2	15	46000
Total	170	46	216	800000
2018-19				
Champua	41	45	86	532000
Keonjhar	10	1	11	30000
Patna	1	0	1	2000
Telkoi	6	0	6	12000
Total	58	46	104	576000
2019-20				
Champua	10	9	19	110000
Keonjhar	0	1	1	10000

Crop Damage by Elephants

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
2016-17								
Keonjhar	10	82	27.38			82	27.38	273800
Patna	21	63	28.57	6	1.14	69	29.71	299380
Barbil	8	74	26.57	18	6.10	92	32.67	338900
Barbil	5	68	27.17	11	2.09	79	29.26	296780
Barbil	6	68	24.33			68	24.33	243300
Champua	17	103	40.16			103	40.16	401600
Champua	27	90	35.03			90	35.03	350300
Keonjhar	8	20	5.27	5	1.22	25	6.49	67340
Telkoi	11	27	8.34			27	8.34	83400
Patna	5	27	4.11			27	4.11	41100
Patna	12	78	25.80	3	0.46	81	26.26	263520

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
Ghatgaon	5	21	5.64	5	1.48	26	7.12	74160
BJP	9	51	9.12			51	9.12	91200
Champua	9	73	14.01			73	14.01	140100
Champua	15	92	20.72			92	20.72	207200
Telkoi	18	53	13.91	5	4.32	58	13.91	147740
Keonjhar	8	86	20.91			86	20.91	209100
Champua	13	75	30.67			75	30.67	306700
Telkoi	18	96	16.58			96	16.58	165800
Champua	2	90	15.43			90	15.43	154300
Champua	2	86	13.05			86	13.05	130500
Champua	1	78	15.59			78	15.59	155900
Keonjhar	8	85	23.15			85	23.15	231500
Keonjhar	15	93	20.59			93	20.59	205900
Telkoi	22	74	14.47			74	14.47	144700
BJP	15	62	13.69			62	13.69	136900
Ghatgaon	17	85	18.73			85	18.73	187300
Telkoi	32	95	16.49			95	16.49	164900
Telkoi	11	84	9.56			84	9.56	95600
Ghatgaon	17	79	17.55			79	17.55	175500
Patna	1	6	1.24			6	1.24	12400
Keonjhar	14	81	18.24			81	18.24	182400
Telkoi	14	62	9.50			62	9.50	95000
Keonjhar	16	82	18.11			82	18.11	181100
Champua	17	104	24.43			104	24.43	244300
Champua	4	105	24.15			105	24.15	241500
Keonjhar	19	96	22.32			96	22.32	223200
Ghatgaon	8	70	13.8			70	13.8	138000
Keonjhar	8	92	27.15			92	27.15	271500
Keonjhar	22	75	18.09	7	1.36	82	19.44	197160
Ghatgaon	22	81	15.81			81	15.81	158100
Keonjhar	11	61	13.51	3	1.35	64	14.86	137800
Champua	18	79	12.22			79	12.22	122200
Ghatgaon	11	53	10.79			53	10.79	107900
Champua	15	74	26.15			74	26.15	261500
Keonjhar	5	32	11.09	11	2.17	43	13.26	115240
Telkoi	14	49	10.10			49	10.10	101000
BJP		101	29.48			101	29.48	294800
Champua		91	22.76			91	22.76	227600
Champua		50	14.80			50	14.80	148000
Champua		86	28.01			86	28.01	280100
	587	3688	934.34	74	21.69	3762	951.7	9525220
2017-18								
Telkoi	11	55	10.43			55	10.43	104300
Patna	5	55	14.23			55	14.23	142300
Patna	4	49	17.26			49	17.26	172600

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
Patna	10	60	10.28	2	1.52	62	11.80	121040
Barbil	12	33	19.25	10	2.40	43	21.65	221300
Barbil	15	62	32.22	8	3.77	70	35.99	367440
Champua	15	73	18.42			73	18.42	184200
Champua	2	16	3.47			16	3.47	34700
Telkoi	15	26	3.95	10	3.54	36	7.49	81980
Telkoi	22	63	11.85			63	11.85	118500
Telkoi	13	34	4.47	16	5.61	50	10.35	114720
Telkoi	9	37	7.13			37	7.13	71300
patna	5	40	10.57			40	10.57	105700
keonjhar	15	49	12.20	1	0.24	50	12.44	124880
ghatgaon	11	36	11.56	1	0.12	37	11.68	117040
patna	3	49	9.29			49	9.29	92900
Telkoi	25	68	13.52			68	13.52	135200
Telkoi	28	73	15.03			73	15.03	150300
Champua	6	33	8.80			33	8.80	88000
Champua	9	66	15.94	1	0.20	69	16.14	161800
Champua	9	45	14.49			45	14.49	144900
Champua	12	59	16.60			59	16.60	166000
patna	9	65	20.56	10	2.60	75	23.16	236800
keonjhar	11	40	5.56			40	5.56	56500
keonjhar	4	50	13.72			50	13.72	137200
BJP	14	55	13.03	5	1.10	60	14.13	143500
Champua	10	39	13.50			39	13.50	135000
keonjhar	18	58	8.52	2	0.50	60	9.02	91200
BJP	27	66	14.08			66	14.08	149600
BJP	15	60	12.35			60	12.35	123500
Champua	8	15	1.96			15	1.96	19600
Champua	8	33	10.47			33	10.47	104700
Champua	12	62	9.63			62	9.63	96300
Champua	4	57	8.52			57	8.52	85200
Champua	10	54	7.58			54	7.58	75800
Champua	3	35	4.96			35	4.96	49600
Champua	2	3	0.43			3	0.43	4300
Champua	11	100	14.98			100	14.98	149800
Ghatgaon	21	112	35.20	3	1.01	115	36.21	364120
Ghatgaon	38	145	43.55			145	43.55	435500
Champua	12	50	16.00			50	16.00	160000
Champua	17	79	18.79			79	18.79	187900
Champua	24	191	57.58			191	57.58	575800
Telkoi	22	71	13.62			71	13.62	136200
Keonjhar	22	95	31.21	5	0.95	100	32.16	323500
K/P/B/G						129	37.21	375480
Champua						4	0.74	8880
Keonjhar						10	2.61	31100
Keonjhar						29	7.65	76860
Keonjhar						158	52.82	539600
Keonjhar						165	34.09	342700

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
	579	2618	656.76	74	23.66	3187	615.71	8237340
2018-19								
Telkoi	11	15	3.70	6	1.68	21	5.38	57160.00
Telkoi	6	2	0.32	10	1.83	12	2.15	24800.00
Champurua	5	5	0.93	20	4.87	25	5.80	67740.00
Telkoi	2	6	1.57			6	1.57	18600.00
Keonjhar	2	1	0.07	2	0.21	3	0.28	3220.00
Telkoi	4			12	2.02	12	2.02	24240.00
Telkoi	3	1	0.15	7	1.17	8	1.32	15540.00
Ghatgaon	8	3	0.82	11	3.42	14	4.24	49240.00
Patna	2	25	3.95			25	3.95	39500.00
Telkoi	11	25	2.76	20	3.33	46	6.12	67660.00
Keonjhar	20	31	3.84	13	2.16	44	6.00	64320.00
Telkoi	9	21	3.52	1	0.18	22	3.70	37300.00
Patna	3	13	2.11			13	2.11	21100.00
Keonjhar	19	29	6.28	4	1.18	33	7.46	76960.00
Keonjhar	8	38	5.58			38	5.58	55800.00
Keonjhar	4	27	4.65			27	4.65	46500.00
Telkoi	2	11	1.82			11	1.82	18200.00
Champurua	8	29	9.40	1	0.60	30	10.00	100000.00
Champurua		35	4.80			35	4.80	48000.00
Telkoi	1	8	1.05			8	1.05	10500.00
Ghatgaon	6	30	9.63			30	9.63	96300.00
Keonjhar	16	44	9.93			44	9.93	99300.00
Keonjhar	22	56	14.32	1	0.19	57	14.51	145480.00
Keonjhar	12	41	7.18			41	7.18	71800.00
Telkoi	12	28	5.52			28	5.52	55200.00
Patna	6	28	7.75	8	0.98	36	8.73	89260.00
Keonjhar	20	64	15.64			64	15.64	156400.00
Champurua	1	27	5.23			27	5.23	52300.00
Telkoi	7	16	4.7			16	4.70	47000.00
Champurua	4	37	8.69			37	8.69	86900.00
Keonjhar	17	23	6.02			23	6.02	60200.00
Telkoi	6	23	5.83			23	5.83	58300.00
Champurua	8	65	15.52			65	15.52	155200.00
Keonjhar	16	31	9.58			31	9.58	95800.00
Champurua	12	48	10.13	3	0.76	51	10.89	108900.00
Keonjhar	14	31	12.16			31	12.16	121600.00
keonjhar	15	56	18.00			56	18	180000.00
keonjhar	20	49	15.04	4	0.4	53	15.44	155200.00
Patna	4	6	0.70			6	0.70	7000.00
Ghatagaon	3	18	4.9			18	4.90	49000.00
Ghatagaon	11	45	13.39			45	13.39	133900.00
keonjhar	18	40	14.38			40	14.38	143800.00

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
Telkoi	18	42	9.98			42	9.98	99800.00
Telkoi	11	31	5.72			31	5.72	57200.00
Champurua	4	59	13.74			59	13.74	137400.00
Telkoi	20	104	26.83			104	26.83	268300.00
Telkoi	15	39	7.96			39	7.96	79600.00
Champurua	7					55	13.26	135700.00
Champurua	17	85	18.75			85	18.75	187500.00
Telkoi	11	31	5.94			31	5.94	59400.00
Telkoi	22	48	8.82	1	0.16	49	8.98	90100.00
keonjhar	28	43	15.79	2	0.59	45	13.38	164900.00
patna	7	22	4.80			22	4.80	48000.00
patna	7	70	21.43			70	21.43	214300.00
Champurua	9	28	6.66			28	6.66	66600.00
Telkoi	24	43	9.30	1	0.57	44	9.87	99840.00
Champurua	4	57	13.79			57	13.79	137900.00
Champurua	14	45	10.64			45	10.64	106400.00
Ghatagaon	6	11	2.95			11	2.95	29500.00
Champurua	2	27	6.28			27	6.28	62800.00
Champurua	14	67	14.03			67	14.03	140300.00
Champurua	2	31	6.83			31	6.83	68300.00
Champurua	9	63	13.43			63	13.43	134300.00
Champurua	34	78	19.21			78	19.21	192100.00
BJP	19	95	27.52			95	27.52	279640.00
Telkoi	16	39	6.93	2	0.06	41	6.99	70100.00
Champurua	14	73	16.11			73	16.11	161100.00
Champurua	14	49	11.14			49	11.14	111400.00
patna	6	14	1.43			14	1.43	14340.00
BJP	21	95	26.13			95	26.13	261300.00
BJP	30	94	22.418			94	22.418	225444.00
Keonjhar	22	37	10.98	6	1.4	43	12.38	126600.00
Keonjhar	9	9				47	13.05	135160.00
Ghatagaon	16	98	27.00			98	27.00	270000.00
Ghatagaon	11	32	9.64			32	9.64	96400.00
BJP	19	77	22.542	8	1.38	85	23.926	241978.00
BJP	15	36	9.970	1	0.30	37	10.270	103300.00
BJP	6	35	8.802			35	8.802	88020.00
BJP	24	77	19.71			88	22.67	236220.00
Keonjhar	38	83				83	26.9	289740.00
B.J.P	24	64				64	16.96	170200.00
Telkoi	5	8				8	2.33	27500.00
B.J.P	1	44				44	11.78	117800.00
Telkoi	3	3	0.74	2	0.42	5	1.16	12400.00
Champurua	8	27	2.8	7	1.24	34	4.04	42880.00
Patna	2			6	1.34	6	1.34	18060.00
Telkoi	4			6	1.24	6	1.24	14880.00

Range	No. of Villages	Type of Crop						Amount Rupees
		Paddy & cereals		Cash crop		Total		
		No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	No. of cases	Area (Ac.)	
	992	3245	738.33	165	33.68	3514	856.26	8707922
2019-20								
Telkoi	4			33	4.60	33	4.60	53900
Telkoi	3			4	1.20	4	1.20	14300
Champurua	2	1	0.12	2	0.26	3	0.38	4300
Champurua	2			3	0.58	3	0.58	6960
Telkoi	5			8	1.90	8	1.90	22500
Barbil	2	2	0.60			2	0.60	6000
Patna	1	2	0.19			2	0.19	1900
	19	5	0.91	50	8.54	55	9.45	108860

Most of the man-elephant conflict takes place during crop harvesting season.

I. Survey of Working Plan, Management prescriptions (as per Working Plan)

The following forest blocks are coming within the impact area:

Forest Block in Impact Area

Sl. No.	Name of the RF Block	Area in Ha	Working Circle
1	Baitarani RF (A)	2378.82	RWC
2	Baitarani RF (B)	1138.85	RWC
3	Thakurani RF	4455.2	RWC
4	Uliburu RF	980.20	IWC

All these Forest Blocks coming within the impact zone have been placed under Rehabilitation Working Circle or Improvement Working Circle. These forests within the impact zone are heavily depleted.

a. Rehabilitation Working Circle:

The forests under this Working Circle are mostly open mixed sal forests. The regeneration is poor because of biotic interference. Still sufficient rootstocks are available at places like Thakurani, Baitarani etc. Normally these forests are found in close proximity to the human habitation and mines rich areas. Hence involvement of the local people JFM would give a better result to restore the forest.

The special objectives of Management of Rehabilitation Working Circle areas follows:

1. To regenerate the degraded forest blocks including the areas once affected by shifting cultivation, by appropriate silvicultural inputs and protection measures with people's participation.
2. To improve the micro-climate and micro-edaphic conditions through soil and moisture conservation measures.
3. To increase the biodiversity in forest crop by encouraging natural regeneration.
4. To meet the bona fide needs of the local inhabitants for fuel wood, small timber, fodder and N.T.F.P. to the extent possible depending upon the productivity of the forests to ensure their participation.

b. Improvement Working Circle:

The vegetation consists of mainly sal. These areas are affected by heavy grazing and illicit felling. Because of these biotic interferences the forests are tending towards open forest.

The Special objectives of Management of Improvement Working Circle areas follows:

1. To regenerate the degraded forest blocks by providing silvicultural inputs and protection measures with massive participation of people through JFM programmer.
2. To ensure soil and moisture conservation measures to enrich the micro-edaphic conditions for making the forest productive.
3. To meet the bona fide needs of the local inhabitants for fuel wood out of the thinning and other cultural operations as prescribed.
4. To tend the existing crop to get maximum growth.
5. To improve the density condition and composition of the crop.

c. Wild Life (Overlapping) Working Circle:

The relentless anthropogenic pressure has adversely affected the biodiversity of flora and fauna due to considerable degradation of forests over the years.

This division has rich biodiversity of flora and fauna and has an important place in the wildlife wealth of Orissa. The major wild animals present in the division are given in the fore going para. This Division forms an important buffer area to Hadgarh Wildlife Sanctuary / form part of the migratory corridor for wild elephants.

Proposals to declare the area as Baitarani Elephant Reserve is in the penultimate stage.

Special Objective of Managements

The special objectives of Management set for this Working Circle are within the ambit of the general objectives of management of the Working Plan. These include

- i To conserve, protect and improve wild life habitat with special emphasis on the proposed elephant reserve/corridor.
- ii To promote wild life in general and endangered species of fauna in particular.
- iii To create awareness among the local people regarding the necessity to conserve and protect the wild life and their habitat.
- iv To conserve and develop important wild life habitat for the purpose of eco-tourism.
- v To increase in biodiversity and wildlife population in the divisions.
- vi For prevention of wildlife related crimes.

The Strategies:

1. In a totally undisturbed natural process, the habitat needs no improvement, as the natural processes are self-sustaining and self-supporting ones that can very well take care of themselves. But biotic interferences have ravaged the natural system of both the Divisions, therefore bringing the need of controlling the factors required by species to follow in the course of evolution.
2. In order to achieve the objectives, the following strategies need to be adopted:

Strategies for Wild Life Management.

1	Biological & Ecological Measures	Habitat improvement, increasing prey-base, weed eradication, corridor linking.
2	Physical Measures	Site specific structures viz Water Harvesting Structures, Check Dams, Water holes, Soil and Water conservation measures.
3	Eco Development	For fringe villages and villages located as

	Measures	islands inside forest blocks. Eco-development measures in the Multiple Use Zones.
4	Administrative Measures	Staff structure & amenities.
5	Landscape Approach	Overall.

Analysis and Valuation:

Wildlife census has been carried out at intervals for different species of wildlife but no formal analysis and valuation of all such data have been done at the Divisional level except for statistical purposes. Due to degradation of the forest cover and the habitat, the number and type of wild animals in the forest is declining.

Wildlife and their habitat continue to be degraded which results in these wild animals coming out of the forests leading to man-animal conflicts. The major causes for habitat destruction are:

- i. Increased incidences of encroachment and clearance of forest areas for non-forest uses.
- ii. Increased demand for fuel wood, timber, fodder and other NTFP's
- iii. Lack of awareness amongst the people about wildlife conservation
- iv. Less focus on improvement of habitat for wildlife.
- v. Poaching for sport and meat, group hunting associated with festivals
- vi. Inadequacy of the forest staff to combat poaching incidence.
- vii. Heavy mining activities in both the divisions.
- viii. Habitat destruction and fragmentation, which affects wild life population.

In spite of negligible inputs for wildlife and habitat improvement in the past, Keonjhar Forest Division still contains rich variety of wild animals.

Area and Allotment:

All the forest blocks, included in the Working Plan have been allotted to this Overlapping Working Circle. The circle covers the entire geographical area of Kendujhar Forest Division as far as protection of the wildlife is concerned.

Wildlife Habitat:

Bulk of the area of this Division are terrestrial habitats. However, river Baitarani in BJP, Champua, Patna Ranges and other smaller rivers in the remaining areas of this Division, provide congenial aquatic wildlife habitat. They form ideal habitat for the aquatic wildlife including the transitory home for migratory birds. Numbers of

other seasonal and perennial streams crisscross the entire Divisions providing water sources for the wildlife. Sub-terrestrial habitat consists of burrows and natural crevices interspersed extensively all over the forest areas. Many burrows are evendug by the locals in the process of removal of roots & tubers. The accumulated rock pieces at the foothills and cracks in the rocky patches on the steep slopes also serve as a shelter for many reptiles like snakes, lizards etc. The vast stretch of forest cover in different Ranges besides interspersed scrubs all through the Division, which are crisscrossed by many nallahs & streams, provide ideal arboreal habitat for varieties of rich avifauna as well.

The formation types in the terrestrial habitat are mostly covered with fairly dense woodlands of mixed deciduous species though some pure Sal patches are also encountered in areas, particularly in forest blocks like Kalapat, Rebena, Bandhanjari, Krishnapur, Kodbil, Karo RF etc.

Special habitats for wildlife, which are biological in origin and provide habitat functions not served by successional stages, are also available in the forests. They include snags, snag recruits, den trees, down wood, isolated large old trees, trees with fluting boles, buttresses, lianas, some significant species of fruit bearing trees and shrubs. These special habitats need to be maintained and care should be taken to retain them during the course of silvicultural operations in the forests.

Unique wildlife habitats provide special functions not provided by successional stages and special habitats. They are geomorphic in origin and they include caves, overhangs, dens, cliffs, ledges etc, which are used by specific groups of rare wildlife. These unique habitats need to be identified and maintained during this plan period.

Species Structure:

Autotrophs: Most of the forest blocks of this Division support almost dry deciduous types of forest. The top canopy includes species like *Shorea robusta*, *Terminalia alata*, *Lagerstroemia parviflora*, *Anogeissus latifolia*, *Terminalia belerica*, *Syzygium cumini*, *Mangifera indica*, *Schleichera oleosa*, *Adina cordifolia*, *Pterocarpus marsupium*, *Bombax ceiba*, *Bridelia retusa*, *Madhuca indica*. The middle storey consists of *Syzygium cumini*, *Ougeinia ojeinensis*, *Careya arborea*, *Trema orientalis*, *Embilica officinalis*, *Cassia fistula* etc. The shrubs and undergrowth are characterized by *Indigofera pulchella*, *Ardisia solenacea*, *Flemingia chhapar*, *Helicteres ixora* and *Clerodendron viscosum* etc. Generally, sal is more aggressive

than any of its associates and constitutes around 70 to 75% of the top canopy. The middle storey is rare. The quality of Sal varies from all India Quality II to IV. Quality II sal is mainly confined to the valleys while Q III occurs on the hill slopes of moderate gradient. Q IV sal mainly confined in the ridges. Q I sal is completely absent. Interspersed amongst the wooded land is grasslands which may be in small or medium patches which are very important for the herbivores in the forests. And, in case of degraded forests, areas are mostly open and having scrubby growth of some of the above referred species.

Heterotrophs: The species structure of major communities is as follows: -

- Primary heterotrophs are Sambar (*Cervus unicolor*), Cheetal (*Axis axis*), Barking deer (*Muntiacus muntjak*), Elephant (*Maximus indicus*) etc.
- Secondary heterotrophs are Leopard (*Panthera pardus*), Jungle cat (*Felis chaus*), Civet cat (*Viverricula indica*), Wild boar (*Sus scrofa*) etc.
- Scavengers and other animals are Hyaena (*Hyaena hyaena*), Jackal (*Canis aureus*), Wild dog (*Cuon alpinus*), Sloth bear (*Melursus ursinus*), Mongoose (*Herpestes edwardsii*), large Indian squirrel (*Ratufa indica*) and Otters (*Lutrogale perspicillata*) etc.
- The primates are represented by the common Langur (*Presbytis entellus*) and the common Pati (*Macaca mullata*).
- Amongst the snakes, Ahiraj (*Naja Hannah*), Dhamana (*Zamanis nucusus*), Cobra (*Naja tripudians*), Viper (*Vipera russelli*), the Krait (*Bungarus candidus*) and common green whip snake (*Dryophisnasutrus*) with Python (*Python molurus*) and branded krait (*Bungarus spp*) are found all over the divisions.
- The avifauna includes peafowl, red jungle fowl, common quail, green pigeon, the imperial pigeon, doves, the hill mynas, the red-vented bulbuls, the golden back and the pied wood-peckers, the koels, the crow pheasants, large Indian parakeets, the common king fisher, the common horn-bills, the common Indian night jar, the screech owl, the great horned owl, the swifts, pariah kite, the eagles, bush quail (*Pardiculaasiatica*), the grey partridge, the cattle egret, storks, the jungle crow etc. they are found all over the divisions.

J. Indicative Plan showing location of other projects utilizing forest land within the zone of impact (10 km. radius) of the present project.

There are 43 other projects around the proposed project area, the list of which is given earlier. The total area covered by other projects is 11675.84 ha.

K. List of Experts and Methodology: -

Experts involved

Shri P. K. Sarangi I.F.S (Retd.) and Shri S.K. Ray OFS(I) Retd. took up the study along with the staff of JSW Utkal Steels Ltd.

The team led by Shri P. K. Sarangi visited the field from 22.08.2019 to 27.08.2019 and collected the required information.

Methodology:

Vegetation Study:

Project Area:

The project area contains 3 patches of land, but no Reserved Forest is involved.

A large chunk of the lease area has been broken up. Detail study was conducted in four patches where the original vegetation is available. Sample plots of 100mx100m were laid and the list of flora available in the area was recorded.

Impact Area:

Since impact zone extends over some RF it was felt prudent to take up the study in the Reserve Forest area. The nearest Reserve Forest being Thakurani RF was taken for the study. The methodology adopted for the study was as follows:

The methodology adopted for the study was as follows:

1. A base line of 500mts was selected in N-S direction including the project area.
2. Two transect lines of 500mts each perpendicular to the baseline one at a distance of 125 mts from the starting point and the other at a distance of 375 mts from the starting point was drawn. On the first transect line a sample plot of size 30m x 30m was marked at a distance of 150mts (transect line points 135mts to 165mts and 15 mts on either side of the transect line). On the second transect line the sample plot of size 30m x 30m was marked at a distance of 350mts (335 mts to 365 mts) as per the above procedure.

3. The list of the tree species available within the sample plot was prepared. Specimen of unidentified plants were preserved for further identification.
4. Secondary sample plots of size 5mx5m was laid at the center of each sample plot and in this secondary sample plot the list of herbs and shrubs were prepared.
5. Tertiary sample plots of size 1mx1m was laid within the secondary sample plot to list out the grasses and ground cover.

Study of Fauna

This plan is prepared for conservation and management of wildlife depending on site specific problems. It is therefore necessary know the wildlife species present within the lease area as well as the impact area so as to design an appropriate plan.

Methodology:

- Direct sighting of wild animals is a rare chance. The study had to rely on indirect evidences, and information collected from the surrounding areas from various stakeholders such as available records (wild life offence cases, animal depredation etc.), discussion with Beneficiation Plant employees, Forest Department staff and with the villagers within the project area as well as the impact zone. This method yielded the desired result. Besides where ever animal signs available at the time of field study the same was taken in to consideration. The wildlife habitat has also been studied and analyzed for possible presence of the animals.

Animal signs were also observed and recorded at the time of vegetation study.

The information was collected to deduce the presence of important wild animal species present in the area, particularly the scheduled animals in the category of Mammals, Birds, Reptiles, Amphibians and Insects and thereafter the final list has been prepared.

CHAPTER - II

IMPACT OF THE PROJECT

This Project is an Industry having two distinct phases, such as Construction Phase and Operation Phase. Hence the impact of the project is different in both the phases.

A. Impact on Environment

Construction Stage: Construction works which are likely to cause impact on Environment will involve the following activities:

- Site clearance and excavation;
- Transportation, storage and handling of construction materials;
- Movement of workers, vehicles and machineries;
- Civil construction;
- Maintenance of vehicles and equipments
- Deployment of Power generating equipments
- Waste water generation,
- Solid Waste (debris) generation.

During the construction stage, land will be developed by leveling and grading over the entire 80.505 ha of land.

Heavy machineries will be deployed for the land development and erection of the plant and construction of buildings. These activities may cause the following changes:

- There will be disturbance of the top soil,
- There will be generation of used fuel/oil and grease containers
- There will be generation of unused welding rods, metal scraps etc.

The impacts during the construction stage are temporary in nature. The perceived impact will cease as soon as the construction works are over.

Operation Stage:

The activities of Operation stage will be permanent in nature and will continue till the plant exist and operate. The impacts which are perceived during this phase will be due to the following activities:

- Transportation of raw material to the plant site;
- Storage, handling and crushing of raw material;

- Operation of the Grinding Unit cum-Beneficiation Plant;
- Water treatment;
- Cooling & heat recovery;
- Storage, handling and transportation of finished product;
- Operation of DG sets in case of power failure;
- Vehicular movement.

The combined effect of all these activities will create certain imbalance in environment.

The most important factor in the operation of this Plant may generate toxic emissions like SO₂, CO, and Oxides of Nitrogen. Emission of SO₂ if exceeds a particular limit may cause Acid rain which will damage the environment. CO is a poisonous gas and can threaten the life of all animals including man. Similarly, certain oxides of Nitrogen will have effect on the Nervous System.

Other specific effects on different environmental component can be described as follows:

B. Impact on Soil

The effect on soil is only for a temporary period of construction stage. At the time of levelling of the land, the land breaking to the desired extent will be done. As the ground will be made almost plane and drainage arrangements will be made, there will be no soil erosion. Beside the land will also be developed by land scraping, planting grasses and trees, and these activities will be beneficial for the soil.

As far as the Impact area is concerned, there will be no impact on soil.

C. Impact on Vegetation

Within the project area appropriate landscaping will be done by:

- Creation of green belt by planting of Trees.
- Grass lawns will be developed at blank spaces.
- Avenue plantation will be taken up along the sides of roads.
- Plantation will be taken up around residential colony, stock yard and Plant.

These activities will improve the vegetation of the project site and also result in positive impact.

Similarly, as there is no forest area involved in the project, there will also be no effect on vegetation of the Impact area.

D. Impact on Water Regime

During the construction phase of proposed project, huge amount of water will be

required depending upon the type of construction activities.

This requirement of water will be drawn from river Baitarani which is covered under permissible drawl quantity. (The Government of Odisha in its Water Resources Department Letter No.2620, dated 31.01.2018, have permitted to draw 4000 m³ of water from river Baitarani)

Water will be used for construction of civil structures, dust suppression and drinking purposes.

Debris, mud etc. will be generated during construction. During the monsoon season there is chance of wash out of mud and debris in the run-offs. This may result in suspended solids and turbidity in run offs water during the monsoon period causing water pollution.

The waste water generated during construction phase shall be mainly from domestic activities. Since most of the workers will be from local area, wastewater generated from domestic purposes will be minimal. Domestic effluent generated during construction phase will be discharged to soak pit via septic tank.

The overall impact on water regime within the project area will be negligible and within the Project Impact area will be nil.

E. Impact on Air:

Construction Phase: The activities such as site clearance and excavation, Transportation, storage and handling of construction materials; Movement of workers, vehicles and machineries; Civil construction etc. will generate some air pollutants like dust and emissions from the machineries. However, this type of pollution will be for a short period only.

Operation Phase: Air pollution is envisaged from two sources. The first one is from the submerged electric arc furnaces and the second one is from the raw material handling sections.

- Large amount of dust is likely to be generated during handling of raw material such as loading/ unloading, crushing, screening, conveyance and transfer points. The pollutants are primarily dust and fine particles of minerals. These materials will spread by wind throughout the Impact area and settle on plants. Such dust settling on the fodder plants will make the plant unpalatable and create health problems for the Wild animals.

- Air pollution from operations, shall also include NO_x, SO₂, CO and unburnt hydrocarbons. All the three pollutants i.e. SO₂ and CO are released along with Flue gas emission from the furnace.

F. Quantum of pollutants expected to be produced:

- The generation of dust will depend on the season. Spreading of dust will be more during summer and winter months and either nil or negligible during rainy season.
- The traces of NO_x, SO₂, CO will be within permissible limit.
- Besides the above pollutants traces of poisonous substances like Arsenic, Lead, Cobalt, Mercury and Cyanide are likely to be generated.

These substances are only traces and within permissible limit. Therefore, the effect of these pollutants will be negligible.

G. Degradation anticipated on account of project implementation:

Degradation can be anticipated on two accounts.

The 1st is Land breaking, transportation & handling of construction materials, plying of vehicles, operation machineries and equipments during Construction Stage, will spread large amount of dust. Such dust may settle on the trees and plants damage the same.

The 2nd: During Operation stage, a number of heavy vehicles will be deployed for transportation of raw materials, finished product, man power etc. These activities will also spread some amount of dust and toxic materials.

Therefore, the project implementation will have little effect on degradation process of the forest or that of wildlife habitat.

H. Study technique adopted and observations of the experts:

The project area contains 22.671 ha of revenue Forest land. Besides the impact area has some Reserved/ Protected Forests as indicated earlier.

The study technique has already been discussed under Chapter-I.

I. Nature of threat to the Flora and Fauna on account of project implementation:

The implementation of the project is a localised and captive process except that of transportation of the materials. Due spreading of large amount of dust the fodder plants within the Impact area may become unpalatable and the habitat may become unsuitable for the wildlife. There will be no other effect on flora and fauna.

J. Probable increase in the vehicular traffic:

Some of the transportation will be through Railways and some product will be transported through slurry pipeline. The road traffic to and from the proposed plant during operation phase would not be so intensive. Vehicular traffic density is likely to be increased marginally during the operation phase.

K. Noise pollution, Water, Air and Underground pollutions:

During the normal operation of various plants, the noise levels are expected to increase significantly. Normally the equipments are designed as per the specified standards. Hence the Noise level of the equipments will be within the permissible limit.

Besides the noise level will also be reduced due to thick green belt around the plant.

Further due to movement of a number of vehicles to the project site some noise will also be generated.

CHAPTER – III

OBJECTIVES OF MANAGEMENT & STRATEGIES

A. Objectives of Management:

The Forest growth standing on the forest land which is required for the project at the initial stage will be completely destroyed. The forest area involved being 22.671ha, the impact of the project can be treated as substantial. The biotic pressure which was absorbed by the forest land (proposed to be diverted) will now be shifted to the adjoining Reserved Forests. Therefore, there will be additional biotic pressure on the forests of impact area. Hence the objectives of management will depend on this consideration.

Basis on the information as per the foregoing chapters, the Management objectives can be described as:

Project Area:

The total Forest area involved will be 22.671 ha. Most of the forest area will be damaged for the purpose or otherwise.

It has been provided in the Environment Impact Assessment and Environmental Management Plan that, 33% of the total area will be maintained as green belt.

The objectives of management for the project area will therefore be:

To create awareness in the villages near the project area for protection of Forest and Wildlife.

Impact Area:

The objective of management in the impact area is to provide maximum possible cover and protection for the animals which are either available within the project area or temporarily migrating to the area.

B. Strategies to Mitigate and Minimise Adverse Impacts:

The strategies for preparation of Wildlife Conservation Plan will therefore be as follows:

Strategies for the Project Area

1. Green Belt to be developed at designated locations as quickly as possible starting with the construction Stage.

2. Soil & Moisture Conservation: The strategy in this case will be to control soil erosion as far as practicable.
3. Control of Air Pollution including Dust hazards, Noise Pollution and Water Pollution:

The air pollution is an important component of Environmental Management Plan. Appropriate steps and mitigation measures as required by MoEF and CC guidelines as well as Pollution Control Board guidelines will be taken. Therefore, such steps will minimize or substantially suppress this pollutions problem as per Environment Management Plan.

Strategies for the Impact Area

1. Improvement of habitat: The wildlife habitat in the impact area should be improved so as to accommodate the additional biotic pressure.
2. Wildlife/Forest Protection: The present staffing pattern needs to be augmented for proper and adequate protection of Wildlife as well as Forest.

CHAPTER –IV

MANAGEMENT STRATEGIES WITHIN THE PROJECT SITE

There will be various pollutions during the construction phase as well as operation phase of the project. The type of pollution and the impact which are envisaged within the project area have been explained in the foregoing chapter.

The Environmental Management Plan deals in detail, all such pollutions and impact and prescribes certain control measures. This aspect is kept in view while preparing the current Wildlife Management Plan.

Basing on the perceived impacts as per the foregoing chapter, the Management Plan is prepared to address almost all such impacts. The project area as well as the Impact Zone will be appropriately treated for amelioration of the impacts.

A. Interventions to be implemented by the project authorities inside the project area:

As it has been explained earlier, there are two phases of the project implementation. Construction Phase and Operation Phase. The interventions to be taken up by the project proponent in both the phases are as follows:

Construction Phase

General Measures

- Litter, fuel/oil drums, used grease, Cartridge would be collected and removed and disposed off properly.
- Dust bins shall be placed at requisite locations.
- Lubricating waste oil shall be collected separately in drums and shall be sent to used oil re-processor unit.
- Excavated soil from foundation work will be back filled.
- Removed Top Soil will be stored separately for future greenbelt development.
- Residual debris need to be cleared and utilized to fill up low lying areas immediately after completion of construction activities.
- Land utilization and clearing for construction site will be kept at the minimum;

- Construction site would be designed to minimize the removal of soil and vegetation.

Control of Air Pollution

During construction phase, certain quantity of dust shall be generated due to the transportation of men, machinery and materials, operation of construction machineries / equipment, construction of foundations, erection of furnace and other requisite infrastructure etc. closed to the construction site. The impacts shall be temporary in nature and shall marginally deteriorate the ambient air quality. However, the following measures shall reduce the dust generation:

- During dry weather conditions, water sprinkling is done at the excavation, transportation and stock piling activities to minimize spreading of dust.
- Construction materials shall be fully covered during transportation to the site by road.
- Topsoil will be preserved for plantation & greenbelt development.
- Vehicles to be used in construction will satisfy emission rules as per CPCB guidelines.
- Earth moving equipment's, typically a bulldozer with a graderblade and ripper shall be used for excavation work.
- Regular maintenance of the vehicles shall be carried out to keep the emission levels within the stipulated norms.

Control of Noise Pollution

Noise pollution during construction phase is due to operation of heavy earth moving equipment's and installation of various machineries. Depending on the soil condition, minor blasting activity may be required for foundation purposes. These activities may create instantaneous noise pollution at the work sites.

The following measures shall be taken to reduce the noise levels:

- Noise generating activities will be carried out during day time in order to have minimum noise impact during night time.
- Provision of rubber padding / noise isolators.

- Provision of silencer to modulate the noise generated by machines.
- Periodical lubrication of the heavy vehicles will help to keep the noise & vibration level at minimum.

Overall, the impact of generated noise on the environment is likely to be insignificant, reversible and localized in nature and mainly confined to the day hours.

Control of Water Pollution

- Water table at project site varies from 4.0 to 10.0 m during pre-monsoon season and 2 to 5 m during post monsoon season. There will be no impact on the water table.
- The waste water from the sewerage will be disposed through soak pit.

Solid Waste Management

During construction phase, solid waste such as excavated soil, debris, end-cuttings of metal, cotton waste will be generated from machineries / vehicles etc. Besides, certain Hazardous Wastes such as used oil, used lubricants and used containers will be generated during constructional activities. The following measures will be taken to manage the solid waste:

- Scraps and metal end cuttings will be disposed off to scrap dealer
- The management, handling & disposal of the hazardous waste will be carried out in accordance with Hazardous waste (Management and Handling) Rules 2008 and amendments thereof.
- Waste oil shall be collected through the drain ports and stored in leak proof steel drums which will be disposed off to authorized reprocessing unit.
- The other wastes will be collected and segregated and will be disposed off as per the construction guidelines without causing any public nuisance and environmental contamination.

Control of Traffic

The disturbance to the community resources and safety shall be mainly due to transportation of machinery and materials through public roads due to increase in the local traffic.

There is a requirement for warning signs to minimize Traffic problems. In addition, risks to public need to be managed by making mandatory for placing warning sign on vehicles and keeping vigilance during transportation by proper training and adequate manpower on board. The following control measures will be taken:

- Proper planning and communication with traffic police;
- Advance notice to local administration about the activities;
- Proper cordon off the site with sign boards;
- Diversion of traffic, if required;
- Placing the warning sign board on the vehicles during transportation of machinery and materials; and
- Proper training to the drivers about public safety.

Operation PhaseLand Management (Land Use Pattern)

After the construction phase there will be no further change in the land use pattern or the landscape of the project.

Control measures for other possible pollutions are as follows:

Control of Water Pollution

The requirement of water will be 4000 m³/hour. The water will be drawn from Baitarani River to meet the requirement of the Plant. Necessary permission to draw water from river Baitarani has been accorded by Government of Odisha, Water Resources Department in Letter No.2620, Dt.31.01.2018.

Water will be required for the following purposes:

- Circulating soft water for cooling of equipment and hot gas ducts.
- Non circulating industrial water for spray cooling of cast metal and slag, floor cleaning & washing and for dust suppression in raw materials storage yard.
- Water for Jigging plant.

- Firefighting water
- Drinking water
- Water for effluent and sewage treatment.

The plant would be designed on the concept of 'zero discharge' of plant effluent.

The control measures are:

- There will be an effluent treatment plant with adequate capacity to take care of the effluents from ancillary sources. The treated effluent will be recycled or reused for miscellaneous non production use. The plant would be designed on the concept of 'zero discharge' of plant effluent.
- The water used for furnace & gas cleaning plant operation are completely recycled with proper water treatment.
- 1/3rd of the total area within the Plant Site will be planted with indigenous species @1500 plants/ha., which include (a) Avenue Plantation, (b) Plantation around Slime Storage / disposal site, (c) Water reservoirs and (d) Along the boundary Wall. (Total no. of trees to be planted approx. 81,000)
- The domestic effluents will be treated through STP of adequate size and the treated water shall be used for gardening.
- Canteen waste water will be diverted to soak pit through settling tank.
- The plant concrete drainage network system will be constructed for most of the areas & it is connected to water recharging pits to take care of storm water.
- Further it is proposed to develop a settling pond to collect storm water around the premises to prevent it from any contamination. The accumulated water will be re-circulated by pumping system for plantation & sprinkling for dust suppression.
- The project proponent has also a proposal for designing and implementation of Roof-Top rainwater harvesting.

Control of Air Pollution

The following measures are proposed to be adopted:

- Selection and maintenance of APC equipment's.
- Chemical wetting to be carried out for stock piles and conveyor transfer points to be equipped with dry fog system to arrest fugitive emission.
- Interlocking of the APC equipment's to shut down plant units in case of APC failure.
- Pneumatic or covered conveying of raw materials.
- Maintenance of Plant roads and use of industrial vacuum cleaner and water sprinkling at regular intervals.
- Operation and maintenance of tyre washing system at the strategic location of the Plant.
- All vehicles and their exhausts would be well maintained and regularly tested for emission concentration;
- Regular preventive maintenance of pollution control equipment; and.
- Regular dust suppression with water sprinkler on the haul roads;
- The parking areas shall be made of concrete/ bitumen/brickwork;
- Green belt to be developed in open areas within the plant premises and along the boundaries of the plant premises.

Control of Noise Pollution

Mitigation Measures

- Plantation around the plant boundary will create a noise barrier for attenuating noise level.
- Machinery and equipment's in the proposed project are designed to limit the noise level within permissible limits. (as prescribed by Occupational Safety and Health Administration).
- Provision of acoustic enclosures to modulate the noise generated by machines.
- Regular lubrication and maintenance of the heavy vehicles so as to keep the noise & vibration level at the minimum.

Control of Traffic Density

As some of the materials are proposed to be transported by Rail, the traffic density shall be increased marginally as result of proposed plant.

The following steps will be taken to reduce pollution level:

- Regular maintenance of vehicles shall limit the pollution within limits.
- The present road conditions are reasonably good for proposed movement of traffic. However, the road connecting the proposed plant shall be made better than the existing level. The user agency shall take necessary steps to upgrade and maintain the road condition and traffic movements during the normal course of operation in consultation with district authorities.

Measures to Maintain Ecology

- ❑ Out of the total area of 80.505 ha, 1/3rd of the area will be covered under Plantation @1500 plants per ha. for green belt creation.
- ❑ The species proposed to be planted shall be selected based on the criteria prescribed by CPCB as 'Guidelines for Developing Greenbelts';
- ❑ Local species shall be preferred;

As this aspect has been provided in the Environment Management Plan, no separate provision for plantation is made.

Rescue-cum- Multipurpose Van (Bolero Camper)

The user agency will procure and provide one vehicle, "BOLERO CAMPER" for multipurpose use in the Division such as : Fire Fighting, Rescue of animals, Forest & Wildlife Protection, Animal depredation etc. The proposed cost with required fixtures is Rs 15.00 Lakhs.

Maintenance of GIS Cell in the Office of DFO, Keonjhar

An amount of Rs.10.00 lakhs is proposed for maintaining the GIS Cell at the DFO's office.

- a) Location (preferably with GPS coordinates) of the proposed interventions and maps overlaid in the proposed land use plan.

The proposed interventions as far as practicable has been indicated on the proposed land use map.

- b) Relevant provisions of the Environment Management Plan for the project

and the interventions overlapping in nature are to be specified.

The mitigation measure indicated above have been provided under Environment Impact Assessment and Environment Management Plan.

- c) This plan is proposed for a period of 10 years. However, if necessary interim revision of this plan can be taken up depending on the actual requirement.

Financial Forecast

The cost estimate for the proposed activities for the project area is given below:

Sl. No.	Particulars	Estimated cost (In lakhs)
1	Cost of one BOLERO CAMPER for rescue purpose	15.00
2	Maintenance of GIS Cell in the Office of DFO, Keonjhar	10.00
TOTAL		25.00


The activities will be taken up by the project proponent in addition to the CSR activities of the locality. The expenditure on other activities such as Dust control, Noise control, Water treatment, lighting, Waste Management, general watch and ward etc. have been provided in the Environmental Impact Assessment & Environmental Management Plan, hence those expenditures are not included in this estimate.

Proposed Plan Period

This plan is proposed for a period of 10 years. However, if necessary, interim revision of this plan can be taken up depending on the actual requirement. The proposed mitigation measures are therefore:


COUNTERSIGNED


Divisional Forest Officer
Keonjhar Division


Sarangi & Ray Eco Consultants
Plot No-2134, Baramunda
Bhubaneswar-751003



Countersigned


Regional Chief Conservator of Forests
Rourkela Circle, Rourkela

@Rs.31,000/- per month and Fuel Rs.10,000/- per month. Total cost will be Rs.41,000.00 x 6 months x 10 years = Rs.24.60 lakhs.

Total provision for Fire protection is Rs.84.60 lakhs.

B. Reducing Man Animal Conflict**(i) Deployment of Gajabandhu in the surrounding villages:**

The Gajabandhus are to be deployed from the local villages. These persons will augment the present anti-poaching mechanism and help the Forest Department personnel in protection of Wildlife and Forest. Besides they will regularly keep in touch with the Forest Department staff and communicate about the movement of elephants in the area, so that timely steps can be taken to reduce Man-Animal conflict. It is proposed to engage 5 (five) numbers of Gajabandhu from the nearby villages. The wages will be @10,000/- and the total cost is Rs.60.00 lakhs

(ii) Camera Traps, Software and Logistics :

Camera Traps will be provided at some strategic locations to monitor the movement of animals so as to take timely action to reduce animal depredation. It is propose to Rs.10.00 lakhs for this purpose.

(iii) Anti-depredation Barrack :

One Barrack will be constructed for Housing the Forest Protection cum Anti-depredation Squad. An amount of Rs.20.00 lakhs is proposed for the same.

C. Others:

- i. **GIS Cell:** One GIS Cell will be established in the Office of the RCCF, Rourkela. An amount of Rs.10.00 lakhs is proposed for this.
- ii. **Solar Street Lights:** Solar Street lights will be installed in the villages frequented by elephants. It is proposed to take up 10 villages under the proposal @1.90 lakhs per village. Total cost is Rs.19.00 lakhs.
- iii. **Fluorescent signage & Awareness:** Fluorescent signage will be displayed at strategic locations at a cost of Rs.5.00 lakhs. Public Awareness will be created at a cost of Rs.10.00 lakhs. Total amount proposed Rs.15.00 lakhs.

iv. Monitoring and Evaluation

The implementation of this plan will have to be closely monitored and evaluated during 4th year and 8th year through independent person/agency. An amount of Rs.4.00 lakh is provided for the purpose.

D. Discretion of Forest Department

Although the above proposals are submitted for the mitigation of various threats to


Wildlife and its habitat, the Forest Department is free to make alteration of the proposal or to divert the proposed activities to any other suitable locations.


E. Undertaking:

The project proponent undertakes to bear the cost of price escalation and/or differential wages in case of price rise or wage hike.

FINANCIAL FORECAST


Sl. No.	Particulars	Cost (in lakhs)
1.	Engagement of 10 persons as Fire Watchers -cum- Fire Fighting Squad for a period of 8 months in a year	60.00
2.	One Hired Vehicle @31,000/- per month and Fuel cost @10,000/- per month for 6 month/year.	24.60
3.	Wages of 5 nos. of Gajabandhus @10,000/- per month	60.00
4.	Camera Traps, Drones, Software and Logistics	10.00
5.	Construction of Barracks for Protection/ anti-depredation staff.	20.00
6.	Establishment and maintenance of GIS Cell at RCCF's Office.	10.00
7.	Solar Street lights in 10 villages frequented by elephants @rs.1.90 lakhs per village.	19.00
8.	Fluorescent signage & creation of Awareness	15.00
6.	Monitoring & evaluation	4.00
	TOTAL :-	222.60
	20 % extra for escalation	44.52
	G. TOTAL :-	267.12


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Divisional Forest Officer
Keonjhar Division



Countersigned


Regional Chief Conservator of Forest
Rourkela Circle, Rourkela

The total estimate of this plan is therefore (Rs.25.00lakhs + 267.12 lakhs) = Rs.292.12 lakhs.

a) **Locations (preferable with GPS coordinates) and Maps** of areas of the proposed interventions. Such maps also show location of above man made infrastructures and the ameliorative measures such as under/over passes ramps etc.

b) **Monitoring & evaluation arrangement for the activities under taken**

Provision has been kept in this plan for taking of monitoring & evaluation activities in the fourth year & eighth year during the plan period.

c) **Plan Period**

This plan is proposed for a period of 10years. However, if necessary, interim revision of this plan can be taken up depending on the actual requirement.

This complete cost of the plan of Rs. 292.12 lakhs will be deposited in state controlled fund as per the guidelines issued by Wildlife CC with amount letter no. I. 1. 10-11/47/2021-FC dated 11.2.2021.

The Principal C.C.F (Wildlife) is
CWLW, Odisha, Bhubaneswar

CHAPTER – VI

MAPS ENCLOSED

- a) Topo Map showing the Joda unit projects - Plate No.-1
- b) Topo Map showing location of adjoining projects - Plate No.-2
- c) Topo Map showing the Impact/Study Area and extended Impact area on Topo-sheet - Plate No.-3
- d) Map showing the Location of the project area with reference to WL Sanctuaries and National Parks - Plate No.-4

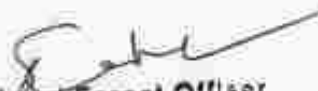
APPENDICES

- Annexure-I : Copy of Stage-I approval for non-forest use of 22.671 ha of forest land (within the total area of 80.505 ha has been issued in No. 5-ORC 400/2019-BHU dt.23.12.2019 by MoEF, Government of India
- Annexure-II: Copy of ToR issued by the Govt. of India, Ministry of Environment, Forest and Climate Change in their letter F. No. J-11011/271/2018-IA-II (I), Dated: 5th April, 2019.
- Annexure-III: Copy of Site Inspection Report of DFO.
- Annexure-IV: Copy of the list of Flora & Fauna Authenticated by DFO, Keonjhar, in his letter No.8146/6F-MINING-305/2018, dated, 28.06.2019.

COST SCHEDULE**ANNUAL FLOW OF FUNDS**


Basing on the proposals described in the fore going chapters, the total funds required for the activities proposed to be implemented by the project proponent will be Rs.25.00 lakhs. Similarly, the amount proposed to be utilised for the impact zone is Rs.267.12 lakhs. Year wise funds requirement will be as follows:

Year	Funds Requirement (Rs. In lakhs)				
	By Forest department			Project Proponent	Total
	Amount	Escalation	Total		
1 st Year	79.46	15.892	95.352	25.00	120.352
2 nd Year	15.46	3.092	18.552	0	18.552
3 rd Year	15.46	3.092	18.552	0	18.552
4 th Year	15.46	3.092	18.552	0	18.552
5 th Year	17.46	3.492	20.952	0	20.952
6 th Year	15.46	3.092	18.552	0	18.552
7 th Year	15.46	3.092	18.552	0	18.552
8 th Year	15.46	3.092	18.552	0	18.552
9 th Year	17.46	3.492	20.952	0	20.952
10 th Year	15.46	3.092	18.552	0	18.552
Total	178.60	44.52	267.12	25.00	292.12


Divisional Forest Officer
Keonjhar Division


Countersigned


Regional Chief Conservator of Forests
Rourkela Circle, Rourkela


Sarangi & Ray Eco Consultants
Plot No-2134, Baramunda
Bhubaneswar-751003

**YEARWISE FUNDS REQUIREMENT
FOR ACTIVITIES TO BE IMPLEMENTED BY PROJECT PROPONENT**

Year	Amount required (Rs. in lakhs)		
	Bolero Camper	GIS Cell	Total
1 st yr	15.00	10.00	25.00
2 nd yr	0	0	0
3 rd yr	0	0	0
4 th yr	0	0	0
5 th yr	0	0	0
6 th yr	0	0	0
7 th yr	0	0	0
8 th yr	0	0	0
9 th yr	0	0	0
10 th yr	0	0	0
Total	15.00	10.00	25.00


Sarangi & Ray Eco Consultants
Plot No-2134, Baramunda
Bhubaneswar-751003


Divisional Forest Officer
Keonjhar Division

Countersigned

Regional Chief Conservator of Forests
Rourkela Circle, Rourkela

YEARWISE FUNDS REQUIREMENT
FOR ACTIVITIES IN THE PROJECT IMPACT AREA

Year	Amount required in lakhs									Total
	Fire watchers	Hired vehicle	Wages of Gajibandhu	Camera Trap	Protection Staff Barrack	GIS Cell at RCCF Office	Solar Street Lights	Fluorescent signage & Awareness	M & E	
1	2	3	4	5	6	7	8	9	10	11
1 st yr	6.00	2.46	6.00	10.00	20.00	10.00	19.00	6.00	0	79.46
2 nd yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
3 rd yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
4 th yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
5 th yr	6.00	2.46	6.00	0	0	0	0	1.00	2.00	17.46
6 th yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
7 th yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
8 th yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
9 th yr	6.00	2.46	6.00	0	0	0	0	1.00	2.00	17.46
10 th yr	6.00	2.46	6.00	0	0	0	0	1.00	0	15.46
Total	60.00	24.60	60.00	10.00	20.00	10.00	19.00	15.00	4.00	222.60
20%	12.00	4.92	12.00	2.00	4.00	2.00	3.80	3.00	0.80	44.52
G Total	72.00	29.52	72.00	12.00	24.00	12.00	22.80	18.00	4.80	267.12


 Sarangi & Ray Eco Consultants
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Telephone: 0674-2301213, 2301245, 2302452, 2302453. Fax: 0674-2302452. E-mail: roepa.bor-mefc.nic.in

No. S-ORC400/2019-BHU

23rd December, 2019

To

The Principal Secretary,
Forest & Environment Deptt.,
Govt. of Odisha,
Bhubaneswar.

Sub:-

Diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha.

Sir,

I am directed to refer to State Govt. letter No10F(Cons)103/19-21854/F&E dated 13.11.2019 on the above mentioned subject seeking prior approval of the Ministry of Environment, Forest & Climate Change under section 2 of Forest (Conservation) Act, 1980.

2. After due consideration of the proposal of the State Government and on the basis of decision of Regional Empowered Committee meeting held on 16.12.2019, the Ministry of Environment, Forest & Climate Change hereby conveys 'Stage-I-in-principle' approval for diversion of 22.671 ha of forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water intake System of M/s JSW Utkal Steel Ltd. under Barbil Tahasil in Keonjhar District, Odisha, subject to the fulfillment of the following conditions.

- i) Legal status of forest land proposed for diversion shall remain unchanged.
- ii) Forest land will be handed over only after required non-forest land for the project is handed over to the user agency.
- iii) Compensatory afforestation shall be taken up by the Forest Department over 22.80 ha non-forest land identified in Plot No.329(P) & 519, Khata No.67 (AAA) of village Podadihi under Banspal Tahasil of Keonjhar District at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.
- iv) The non-forest land identified for raising compensatory afforestation shall be transferred and mutated in favour of the State Forest Department before issue of Stage-II approval.
- v) The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and at the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.


Contd...2

- vi) The State Govt. shall charge the Net Present Value (NPV) for the 22,671 ha forest area to be diverted under this proposal from the user agency as per the Orders of Hon'ble Supreme Court of India dated 30.10.2002, 01.08.2003, 28.03.2008, 24.04.2008 and 09.05.2008 in IA No.566 in Writ Petition (Civil) No.202/1993 and as per the guidelines issued by Ministry vide letter No.5-1/1998-FC (Pt.II) dated 18.09.2003, as well as letter No.5-2/2006-FC dated 03.10.2006 and No.5-3/2007-FC dated 05.02.2009 in this regard.
- vii) Additional amount of the NPV of the forest land to be diverted, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Govt. from the user agency. The user agency shall furnish an undertaking to this effect.
- viii) All the funds received from the user agency under the project shall be transferred/deposited to State CAMPA fund only through (<http://parivesh.nic.in/>).
- ix) As recommended by the State Govt. the Site Specific Wildlife Conservation Plan pertaining to the project duly approved by CWLW, Odisha shall be implemented at the project cost.
- x) The State Govt. shall initiate action as per Para 1.21 of Chapter-1 of Handbook of Guidelines issued under F.C. Act, 1980 vide Ministry's letter No.5-2/2017-FC dated 28.03.2019 for violation of Forest (Conservation) Act, 1980.
- xi) The cost of felling of trees shall be deposited by the user agency with the State Forest Department.
- xii) The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector. The FRA certificate in Form-II along with Gram Sabha resolution shall be submitted before Stage-II approval.
- xiii) The user agency shall obtain Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable.
- xiv) No additional or new path will be constructed inside the forest area for any activity related to the project work.
- xv) No labour camp shall be allowed in the forest area.
- xvi) The user agency shall provide LPG, to labourers working at the site to avoid damage/tree felling and ensure no fuel wood use.
- xvii) The user agency while executing works, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.
- xviii) The boundary of the forest land to be diverted shall be suitably demarcated on ground at the project cost.
- xix) The period of diversion under this approval shall be co-terminus with the period of lease granted in favour of user agency or the project life, whichever is less.

- xx) The layout plan of the proposed forest land shall not be changed without the prior approval of Ministry of Environment, Forest & Climate Change.
- xxi) The forest land shall not be used for any purpose other than that specified in the proposal.
- xxii) The forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department or person without the prior approval of Ministry of Environment, Forest & Climate Change.
- xxiii) Any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied by the user agency.
- xxiv) The State Govt. and user agency shall ensure compliance to provisions of the all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project.
- xxv) The compliance report of the Stage-I approval shall be uploaded on e-portal (<https://parivesh.nic.in>).

3. After receipt of the report on compliance to the conditions stipulated above, from the State Government of Odisha, final/Stage-II approval for diversion of the said forest land under Section 2 of Forest (Conservation) Act, 1980 will be issued by this Ministry. Transfer of forest land to user agency should not be effected by the State Government of Odisha till final/Stage-II approval for its diversion is issued by the Ministry of Environment, Forest & Climate Change.

Yours faithfully,


(A.K. Jena)

Technical Officer (Forestry)

Copy to:-

1. The Principal Chief Conservator of Forests & Nodal Officer, Forest Department, Govt. of Odisha, Aranya Bhawan, Chandrasekharpur, Bhubaneswar-751023.
2. The Divisional Forest Officer, Keonjhar Forest Division, Keonjhar, Odisha.
3. The Director, M/s JSW Udaal Steel Limited, Plot No.3, Forest Park, Sisubhawan Sqaure, Bhubaneswar-751009, Odisha.
4. Guard file.


Technical Officer (Forestry)

F. No. J-11011/271/2018-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003

E-mail: dirind-moefcc@gov.in
Tel: 011-24695368

Dated: 5th April, 2019

To

Shri. Shankar Pratap,
Director,
M/s. JSW Utkal Steel Limited,
Plot No. 3, Forest Park,
Bhubaneswar, Odisha.
E-mail: chs.sengupta@jsw.in; Tel: 0674-2596117

Subject: Installation of Iron Ore Grinding and Desliming Plant of capacity 30 Million Metric Tons Per annum (MTPA) and slurry pipeline of 312 km distance near Joda in Keonjhar District, Odisha by M/s. JSW Utkal Steel Limited - Prescribing of Terms of Reference (ToRs) - reg.

Sir,

This refers to the online application of M/s. JSW Utkal Steel Limited made vide proposal no. IA/OR/IND/74415/2018 dated 13th August, 2018 along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed ToRs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at Sl. No. 2(b) Mineral Beneficiation under Category "A" EIA Notification, 2006 and the proposal is appraised at Central level.

2. The aforesaid proposal was considered in the 35th meeting of Expert Appraisal Committee [EAC] (Industry-I) held on 18-19th September, 2018 wherein it was decided that sub-committee comprising of EAC members and Officer concerned with the subject matter will undertake a site visit and thereafter the proposals would be considered by the EAC for grant of ToR. Accordingly, sub-committee undertaken a site visit during 29-31st January, 2019 and submitted its report to the EAC.

3. The proposal cited above inter-alia including the site visit report was considered during the 4th meeting of Expert Appraisal Committee [EAC] (Industry-I) held on 20-22nd February, 2019. The EAC proceedings of the proposal cited above is given as below.

Details submitted by the Project Proponent

4.0 Iron ore Grinding & De-sliming Project near Joda in Keonjhar District, Odisha.

Site settings and land break up

The proposal involves setting up of Iron Ore Grinding and De-Sliming Plant (Beneficiation Plant) of capacity 30 Million Metric Tons Per annum (MMTPA) near Joda in Keonjhar District, Odisha in an area of 387.656 acres. This land is located in the villages namely Gobardhanpur, Bhugalpur, Sialjoda, Lahanda, Kandara, Badahunda, Bileipada of Barbil Tehsil, Keonjhar District, Odisha. The latitude and longitude of the project site is 22°03' N to 22°04' N & 85°27' E to 85°28' E respectively. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. are reported to be located in the core and buffer zone of the project. The area also does not report to form corridor for Schedule-I fauna. Total project cost is approx. INR 4243 Crores. Proposed employment generation from proposed project will be 200 direct employments and 300 indirect employments. The breakup of land requirement for the various facilities of the project is given as below:

S. No	Plant Units	Industrial IDCO In Ac	Pvt land in Ac	Govt Land Non forest in Ac	Forest Land in Ac	Total Area in Ac	Remarks
01	Grinding & de-sliming Unit (Beneficiation)						Out of 198.897 Ac land, 183.61 Ac of land transferred & registered by IDCO in favour of JSW Udaal Steel Ltd. Balance 15.291 Acre is under acquisition/lease. However, there is some sublet land in IDCO land which is being regularized along with forest land for which diversion proposal already submitted.
A	Grinding unit	145.020	-	6.967	2.570	154.557	
B	RMHS Area	38.590	-	-	-	38.590	
C	Intake well		3.190	-	2.370	5.750	
	Total area	183.610	3.190	6.967	5.140	198.897	

S. No	Plant Units	Pvt Land in Ac	Govt Land Non forest in Ac	Forest Land in Ac	Total Area in Ac	Remarks
02	Associated facilities for Grinding & de-sliming Unit (Beneficiation)					
A	Railway siding	26.937	14.106	4.216	45.259	188.731 Ac is under process of acquisition/lease. Forest clearance applications also being submitted.
B	30 Meters wide Underpass Road	2.740	0.370	9.450	12.560	
C	50 Meters wide Connecting Road	1.880	0.800	4.510	7.19	
D	15 Meters Wide	1.745	0.664	1.543	3.952	

S. No	Plant Units	Pvt Land in Ac	Govt Land Non forest in Ac	Forest Land in Ac	Total Area in Ac	Remarks
	road					
03	Slime storage area					
A	Slime storage area	37.740	-	82.030	119.77	
	Total	71.042	15.94	101.749	188.731	
	Grand Total (Item 1+2+3)	74.222	22.907	106.889	387.628	

Raw material requirement and its source

The iron ore of required quality (62 - 64% Fe content) will be sourced locally from various private and Government owned operating mines. The tentative list of major merchant iron ore mines with their capacity and distance from proposed grinding unit project site as provided by the proponent is summarized as below.

No.	Name of the Lessees	Location of the Lease	Area (Hect.)	Production Capacity (MMTPA)	Availability of road/Rail	Distance from Grinding unit site in Km
1	M/s Rungta Mines Ltd.	Jajang	605.150	16.500	Rail & Road	20
2	M/s Sirrajuddin & Co.	Balda	335.800	15.150	Rail & Road	25
3	M/s Gandhamardan Sponge Iron (P) Ltd.	Putulipani	100.163	1.425	Rail & Road	70
4	M/s Essel Mining & Industries Ltd.	Jiling-Langalota	450.100	6.280	Rail & Road	20
5	M/s Kalinga Mining Corpn.	Jurudi	73.228	1.200	Rail & Road	25
6	M/s Indrani Patnaik Mines	Unchabali	106.113	4.000	Rail & Road	22
7	M/s OMC	Gandhamardan A	618.57	0.600	Rail & Road	70
8	M/s OMC	Gandhamardan B	1590.86	9.12	Rail & Road	70
9	M/s K.J.S. Ahluwalia	Nungaon	767.284	6.520	Road	30
10	M/s K.N. Ram & Co.	Tanto, Roida - II	74.367	4.000	Road	17
11	M/s Kaypee Enterprises	Thakurani	228.040	5.500	Road	20

No.	Name of the Lessees	Location of the Lease	Area (Hect.)	Production Capacity (MMTPA)	Availability of road/Rail	Distance from Grinding unit site in Km
12	M/s Mid East Int. Steel Ltd.	Roida-1 (Sidhamath)	104.680	3.000	Road	17
13	M/s B.I.Co. Ltd.	Nadidihi	73.855	5.300	Road	32
14	M/s Ecograde & Co.	Nadidihi, Rengalibeda & Nadikavita	121.403	7.451	Road	32
15	M/s B.I.Co. Ltd.	Tehrai	116.572	2.496	Road	35
16	M/s A.M.T.C. (P) Ltd	Narayanpasi	349.254	6.000	Road	48
17	M/s R.P. Siro	Guali	365.026	5.700	Road	30
18	M/s Rungta	Nadidihi	94.889	9.000	Road	25
19	M/s Rungta	Oraghat	25.84	8.360	Road	25
20	M/s OMC	Kurmitar		2.4	Road	100
Total				116.003		

Further, efforts will also be made by the project proponent to install pipe conveyor from few major iron ore mines which are closer to the project site like Kaypee mines, Essel Mining, Rungta Mines, MESCO etc., in order to reduce the road transportation. The iron ore slurry produced would be transported through a 312 km Slurry Pipeline to the ISP near Paradeep.

Proposed facility details

The proposed capacity for various facilities of the proposed project are as below:

No	Name of Unit	No of Units	Unit	Capacity of each Unit	Production Capacity
1	Crushing Unit				
	Jaw Crusher	1	TPH	200	200
	Double Deck Vibrating Screen	6	TPH	900	5400
	Cone Crusher	4	TPH	150	600
2	Primary grinding Section				
	Storage bins	12	Tonnes	650	7800
	Belt feeders	12	TPH	650	7800
	Primary Screw Scrubbers	36	TPH	650	23400
	Vibrating Screens	6	TPH	975	5850

No	Name of Unit	No of Units	Unit	Capacity of each Unit	Production Capacity
	Primary ball mills	6	TPH solids of Circulating Load	672	4032
	Secondary screw scrubbers	36	TPH	672	24192
3	De-sliming Section (Module 1 & Module 2)				
	De-sliming Hydro cyclones	60	TPH solids	130	7800
	Intermediate thickener (High rate)	3	TPH	97	291
	Attrition scrubber	18	TPH	97	1746
	Linear screen	6	TPH	97	582
	MIMS	24	TPH	97	2328
	WHIMS	3	TPH	97	291
4	Regrinding Section				
	Regrinding ball Mills	6	TPH solids	501	3006
	Close circuit Hydro cyclones	60	TPH	694.5	41670
	Derrick stack sizer screens	24	TPH solids	1011	24264
5	Dewatering and slimes disposal Section				
	Concentrate thickeners (high rate)	4	TPH solids	1249	4996
	Slime thickener (high rate) For Module 1 & 2 only	3	TPH solids	50	150
	Slime thickener (Paste) For Module 1 & 2 only				

Details of Raw Material Handling System (RMHS) is as below:

S.No	Description	UOM	Capacity
1	Material to be Handled	Iron Ore	
2	Size of the Ore to be handled(95%(-10mm), 5%(+10mm))	mm	-10
3	Bulk Density of Iron Ore (IMMT)	T/Cu.M	2.1
4	No of Days of Operation	Days	330
5	Total Raw Material Handling per Annum	MTPA	33.48
6	Material Handled by Rail (50%)	MTPA	16.32
7	Material Handled by Road (35%)	MTPA	10.74
8	Material Handled by Pipe Conveyor (15%)	MTPA	6.42
9	Pipe Conveying Capacity	TPH	811
10	Stock @ Yard	Days	14
11	Req. Stock Material / 14 Days	T	1315152
12	Req. Stock Yard Capacity	T	1315152
13	Height of Stock Pile	mts	10
14	Width of the stock Pile	mts	50
15	Stock Yard Pile Size & Capacity (As per DWG) (4 Bays x 50 mts Wide x 700mts Length x 10 mts Height)	T	1470000
16	No of Rakes required / day	Nos	13
17	Rake Capacity	T	3800
18	Rake Turnaround time	Hrs	3.5
19	Material handled by Rake per Day	T	49400
20	Material handled by Truck per day	T	32545
21	Avg. Truck /Dumper capacity	T	20
22	No of Trucks to be handled per Day	Nos	1627
23	No of Twin Boom Stackers (TWS) required RMHS stock Yard	Nos	1
24	No of Single Boom Stackers (SBS) required RMHS stock Yard	Nos	2
25	Capacity of each stacker	TPH	4000
26	No of Wheel On Boom Reclaimers(WBR) required RMHS stock Yard	Nos	3
27	No Of Weigh Bridge 60T	Nos	10
28	No Of Unloading Station BOXN Wagon / BOBSN (Side Discharge)	Nos	3
29	In Motion Weigh Bridge-Rail	Nos.	1

Water and power requirement

The electricity load of 106 MW will be procured from JSW Energy and Grid power. Company has also proposed to install DG Sets for exigencies. Net makeup water requirement for the proposed project will be 2940 m³/hr with peak requirement of 4000 m³/hr.

Environmental issues:

Air pollution control measures:

- Fugitive dust emission from iron ore handling, crushing & stockpiling
 - Water sprinkling
 - Dry fogging (DF)
 - Dust Extraction system in crusher
- Fugitive emission from conveying of iron ore
 - Dry fogging
 - Industrial vacuum cleaning
 - Dust Extraction (DE) systems with bag filters at junction houses/transfer points
 - Covered Conveyors
- Fugitive emission from vehicular movement
 - Water sprinkling
 - Tyre washing

Water Pollution Control measures

- Recovered water from Paste Thickener
 - Clarification
 - Re-use in process
- Run-off from Stockpile and floor washing
 - Clarification
 - Re-use in process
- Sewage
 - Modular sewage treatment plant
 - Re-use in greenbelt maintenance

Slime generation

The iron ore grinding and de-slimes unit will consist of three modules. Out of three modules, module 1 and 2 will have grinding cum de-slimes (beneficiation) but the Module 3 will be only grinding of iron ore fines of -10mm to 150 micron as pellet feed. Details of raw materials feed with Fe content and pellet feed product with Fe content is presented in below:

Module	Circuit	Iron ore input in MT	Fe%	Pellet feed Product	Fe content	Slime generation In MT
1	1	5.2	62 - 63	5	63.74	0.2
	2	5.2	62 - 63	5	63.74	0.2
2	1	5.2	62 - 63	5	63.74	0.2
	2	5.2	62 - 63	5	63.74	0.2
3	1	5.0	63 - 64	5	63 - 64	-
	2	5.0	63 - 64	5	63 - 64	-
TOTAL		30.8		30.0		0.8

Note: All quantities are on net & dry basis and Module 3 is only grinding.

It may be seen from the above table that the quantity of slime generation will be 0.8 MTPA. However, slime generation will vary depending upon feed quality. Therefore, slime generation range may vary from 0.8 to 1.25 MTPA. This would be sent to the slime storage pond located at a distance of 4.5 km from the beneficiation plant site through pipelines.

The development of slime storage will be planned after the contour survey is done. It was submitted that the slime storage area will have an impervious liner with bund wall to protect the contamination of ground water and to contain slime within the earmarked area. Also project proponent will also explore the possibility of various utilization options of slime to reduce slime pond area and the action plan for utilization will be mentioned in the EIA report. By ensuring regular utilization of slime in various possible potential uses like bricks, cement, bed material for road construction, mine backfilling etc., actual area for slime storage will be reduced and life of storage area will also be enhanced significantly.

5.0 Iron ore Slurry Pipe line

Slurry pipeline ROW alignment

Total alignment of iron ore slurry pipeline from Grinding unit, Joda to ISP, Paradeep is 312 km (298 km linear corridor) and out of that 98% is falling under Right of Way (ROW). Necessary permissions from road owning authorities (NHAI, IDCO, PWD and WRD) for use of ROWs to lay slurry pipeline have been already obtained by the proponent. Details are as below:

No	Alignment under		Total length in Km	Status
01	ROW Obtained		245.587	General Approval-1 Obtained on 11.10.18.
02	ROW Obtained		48.246	
03	NON-ROW		4.970	Land acquisition in progress and Application Submitted for clearance, Stage-I approval expected by April, 2019.
03.1	Land under acquisition	1.2 Km		
03.2	ROW of Railway	2.2 Km		
03.3	Toll Plaza	0.6 Km		
03.4	Cross country	0.970 Km		
			298.803	

Pumping station details

30 MMTPA Iron ore slurry concentrate will be transported to ISP, Paradeep, by about 312 km (298.803 km linear corridor) long pipeline having 32 inches dia with nominal flow rate of 3067 m³/Hr. Pumps used for slurry transportation generally fall into two categories:

- Centrifugal Pump
- Positive Displacement (PD) pump

Centrifugal pumps are ideally suited for low discharge pressure conditions (up to 50-60 bars) and are typically used as charge pumps to the mainline PD pumps. The majority of long distance slurry pipelines utilize positive displacement pumps due to their higher discharge pressure capacity (up to 250 bars). Design operating range is 3248 tph - 4077 tph; 2637 m³/h - 3067 m³/h & nominal throughput is 3788 tph. Annual Throughput is 30 Mt/y. The details of charge pumps are as follows.

Sr.no	Parameter	Joda pump station
1	Pump Type	Horizontal Centrifugal
2	Pump Quantity	1 operating + 1 standby
3	Pump Configuration	Single pump
4	Total Flow Rate, m ³ /h	3067
5	Pump Discharge Pressure, MPa (psi)	0.6 (84)
6	Total Discharge Head, TDH (m slurry)	30
7	Pump Efficiency	80%
8	Total Pump Operating Power, kW (HP)	688 (922)

The details of Positive displacement pumps are as follows.

Sr.no	Parameter	Joda pump station
1	Mainline Pump Type	Positive Displacement Piston-Diaphragm
2	Mainline Pump Quantity	6 operating + 1 standby
3	Mainline Pump Configuration	Parallel
4	Total Flow Rate, m ³ /h	3251
5	Pump Station Discharge Pressure, MPa (psi)	11.3 (1716)
6	Total Discharge Head, TDH (m slurry)	586
7	Pump Efficiency	85%
8	Total Pump Operating Power, kW (HP)	12,551 (16,832)

Pressure Inclusion Monitoring system

Pressures will be monitored along the pipeline to provide input data to the Pipeline Advisor (a software) such that the pipeline operator can identify any potential leaks or slack conditions. Pressure monitoring stations will be located along the pipeline, as necessary, to support the leak detection system design for the pipeline. The readings from the pressure monitoring stations will be displayed in the control room and will be interlocked with an alarm system. Pressure monitoring station are to be provided at every 30 to 50 km distance.

Leak Detection System

The pipelines will be monitored by Pipeline Advisor (a software) expert and leak detection systems. Leak detection uses pressure wave detection and location with mass balance backup. An alarm will be provided to operators when a leak is detected in the pipeline.

Details of Valves and Pressure Monitoring Systems (PMS)

Details of valves and PMS are presented in following Table:

PMS No	Village	Distance from pumping station at Joda in Km	Remarks
PMS-1	ARSALA	32	Pressures will be monitored along the pipeline to provide input data to the
PMS-2	RANKI	62	

FMS No	Village	Distance from pumping station at Joda in Km	Remarks
PMS-3	SANABARA BEDA	94	Pipeline Advisor (a software) such that the pipeline operator can identify any potential leaks or slack conditions. Pressure monitoring stations will be located along the pipeline, as necessary, to support the leak detection system design for the pipeline. The readings from the pressure monitoring stations will be displayed in the control room and will be interlocked with an alarm system. The pressure monitoring station be provided every 30 to 50 km.
CHOKE & VALVE STATION,PMS	KANTO	126	Valve stations is recommended for pipelines with large variations in elevation to control static head. Static head is based on the highest point of elevation, and by isolating lower elevation sections of the pipeline from higher elevation sections, excessive static head in the lower sections can be avoided.
PMS-4	ITAPUR	168	Pressures will be monitored along the pipeline to provide input data to the Pipeline Advisor (a software) such that the pipeline operator can identify any potential leaks or slack conditions. Pressure monitoring stations will be located along the pipeline, as necessary, to support the leak detection system design for the pipeline. The readings from the pressure monitoring stations will be displayed in the control room and will be interlocked with an alarm system. The pressure monitoring station be provided every 30 to 50 km.
PMS-5	ARUHA	208	
PMS-6	BALABHAD RAPUR	239	
PMS-7	NALADIASA SAN	277	

6. The proponent has mentioned that there is no court case or violation under ELA Notification to the project or related activity.

7. Name of the ELA Consultant: M/s. M. N. Dastur & Co. (P) Ltd. [S.No. 99, List of QCI Accredited Consultant Organizations (Alphabetically) Rev. 73, February 08, 2019].

Observations of the Committee

8. The Committee accepted the site visit report of sub-committee. The Committee noted as per the MoEF&CC notification no. S.O. 6067 (E) dated 1/12/2009, the slurry pipelines passing through national parks/sanctuaries/coral reefs and ecologically sensitive areas only requires the prior environmental clearance under the provisions of the EIA Notification, 2006. However, in the present proposal under consideration, slurry pipeline is an inter-linked project of the 30 MMTPA beneficiation plant. Hence, the Committee was of the view that requisite statutory permissions as applicable shall be taken in accordance with the extant provisions of the Rules.

Recommendations of the Committee:-

9. After detailed deliberations, the Committee recommended the project proposal for prescribing following specific ToRs for undertaking detailed EIA and EMP study in addition to the generic ToR enclosed at Annexure I read with additional ToRs at Annexure-2:

- i. There are two very old trees within the iron ore grinding and de-sliming site. All efforts should be made to protect these trees while planning the plant layout.
- ii. Traffic study shall be carried out inter-alia including existing road details with traffic load, proposed quantum of material to be transported by road with anticipated vehicle details, line source modelling and road strengthening details etc., These details shall be included in the EIA report.
- iii. Scheme for rain water harvesting shall be prepared inter-alia including recharge of ground water and construction of check dams to ensure harvesting of water to the extent abstracted from river Baitarni (depending upon annual rain fall) and the details shall be included in the EIA report.
- iv. Letter from Water Resources Department of State Government of Odisha shall be obtained regarding the availability of water in river Baitarni and permission for drawl of 4000 m³/hr shall be submitted.
- v. Socio-economic survey in the project influence area that is 10 Kms radial coverage from the project site shall be carried out and included as a part of EIA report.
- vi. The list of flora and fauna with its schedule exists in the study area shall duly be authenticated by the Divisional Forest Officer and submitted along with the EIA report.
- vii. Contour survey of the plant site and slime storage area with drainage pattern shall be undertaken and included in the EIA report.
- viii. Dwellings within the slime storage area shall be rehabilitated. Resettlement and Rehabilitation of the PAFs shall be carried out in accordance with the extant provisions of Rules in place and the details shall be furnished in the EIA report as a separate chapter.
- ix. Mass balance of Iron Ore Grinding and De-Sliming Plant (Beneficiation Plant) shall be submitted in the EIA report.
- x. A separate chapter on slime management inter-alia including slime pond location, pipeline route, pumping arrangement envisaged, lining arrangement at the bottom of the slime pond, leachate collection system and its monitoring etc., shall be prepared and included in the EIA report.
- xi. Risk assessment, safety and surveillance system to be adopted in the pipeline route shall be included in the EIA report.
- xii. Public Hearing for the project shall be conducted by the concerned State Pollution Control Board in accordance with the extant provisions of the Rules.

- xiii. The issues raised during public hearing and commitment of the project proponent on the same along with time bound action plan to implement the commitment and financial allocation thereto should be clearly provided.
- xiv. The project proponent should carry out social impact assessment of the project and submit the Corporate Environment Responsibility as per the Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 1/05/2018.

10. The undersigned is directed to inform that the Ministry of Environment, Forest and Climate Change (MoEF&CC) after accepting the recommendation of the EAC (Industry-I), hereby decided to accord above-said specific ToRs, in addition to the standard ToRs and Sector Specific ToRs as enclosed at Annexure I read with additional ToRs at Annexure-2 for carrying out detailed EIA/EMP for the above project.

11. It is requested that the draft EIA Report may be prepared in accordance with the above mentioned specific ToRs and enclosed generic ToRs and additional ToRs and thereafter further necessary action including conduct of public consultation may be taken for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006 as amended.

12. The ToRs are valid for a period of three years from today i.e. 5.04.2019 and will expire on 04.04.2022. However, this period could be further extended by a maximum period of one year provided an application is made by the project proponent at least three months before the expiry of the validity period, together with updated Form-I, based on proper justification.

This issues with the approval of the Competent Authority.

Yours faithfully,

(A.K. Agrawal)
Director

Copy to:-

1. The Secretary, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar-751023.
4. The Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/113 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. The District Collector, Keonjhar District, State of Odisha.
7. Guard File/Record File/Monitoring File.
8. MoEF&CC Website

(A.K. Agrawal)
Director

GENERIC TERMS OF REFERENCE (ToR) IN RESPECT OF INDUSTRY SECTOR

1. Executive Summary
2. Introduction
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
3. Project Description
 - i. Cost of project and time of completion.
 - ii. Products with capacities for the proposed project.
 - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
 - iv. List of raw materials required and their source along with mode of transportation.
 - v. Other chemicals and materials required with quantities and storage capacities
 - vi. Details of Emission, effluents, hazardous waste generation and their management.
 - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
 - viii. The project proponent shall furnish the requisite documents from the competent authority in support of drawl of ground water and surface water and supply of electricity.
 - ix. Process description along with major equipment and machineries, process flow sheet (Quantitative) from raw material to products to be provided.
 - x. Hazard identification and details of proposed safety systems.
 - xi. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment, Forest and Climate Change as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB/PCC shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
4. Site Details
 - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.

- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Co-ordinates (lat-long) of all four corners of the site.
- iv. Google map-Earth downloaded of the project site.
- v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy

5. Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM_{10} , $PM_{2.5}$, SO_2 , NO_x , CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7. Impact Assessment and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - In case, if the effluent is proposed to be discharged in to the local drain, then Water Quality Modelling study should be conducted for the drain water taking into consideration the upstream and downstream quality of water of the drain.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent

- treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
 - vi. Measures for fugitive emission control
 - vii. Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
 - x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
 - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - xii. Action plan for post-project environmental monitoring shall be submitted.
 - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health

- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analysed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
- iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
- iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have 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? This reporting mechanism shall be detailed in the EIA report.

10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11. Corporate Environment Responsibility (CER)

- i. To address the Public Hearing issues, an amount as specified under Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 1st May 2018 amounting to Rs.crores, shall be earmarked by the project proponent, towards Corporate Environment Responsibility (CER). Distinct CER projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct item and schedule for time bound action plan shall be prepared. These CER projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above CER budget.

12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

13. A tabular chart with index for point wise compliance of above ToRs.

14. The ToRs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. Authenticated English translation of all material in Regional languages shall be provided.
- iv. The letter/application for environmental clearance shall quote the MOEF&CC file No. and also attach a copy of the letter.
- v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
- vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF&CC vide O.M. No. J-11013/41/2006-1A II (I) dated 4th August, 2009, which are available on the website of this Ministry shall also be followed.
- viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI)/National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organizations/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.
- ix. ToRs prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarised in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

ADDITIONAL ToRS FOR BENEFICIATION PLANT

1. Iron ore/coal linkage documents along with the status of environmental clearance of iron ore and coal mines.
2. Quantum of production of coal and iron ore from coal & iron ore mines and the projects they cater to. Mode of transportation to the plant and its impact.
3. Recent land-use map based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
4. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
5. Details regarding pollution control measures to be adopted in the mineral handling area, loading and unloading areas including all transfer points shall be submitted.
6. The Project proponent shall submit action plan for conditioning of the ore with water to mitigate fugitive dust emission, without affecting flow of ore in the ore processing and handling areas.
7. Treatment details regarding effluent generated from the ore beneficiation plant and the mode of transportation of tailing slurry shall be submitted.
8. Separate chapter on design of the tailing/slime pond as per the methodology approved by Central Water Commission (CWC) by considering the rainfall in the area, proximity of the tailing/slime pond to the nearby water bodies and safety etc., shall be submitted.
9. Action plan for regular monitoring of ground water level and quality in and around the project area of beneficiation plant and tailing/slime pond shall be submitted by establishing a network of existing wells and constructing new piezometers.
10. Details regarding lining of the tailing/slime pond to be provided shall be submitted in order to ensure that there is no leaching from the tailing/slime pond.
11. Details regarding establishment of garland drain around the tailing/slime pond and the quantity of decanted water to be re-circulated from the tailing/slime pond shall be submitted along with complete water balance.
12. Technology to be adopted for maximum recovery of ore in order to reduce slurry discharge and to increase the life of the tailing/slime pond shall be submitted.

Executive Summary

Executive summary of the report in about 8-10 pages incorporating the following:

- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
- ii. Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes. Materials balance shall be presented.
- v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
- vi. Capital cost of the project, estimated time of completion.
- vii. Site selected for the project – Nature of land – Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest, eco-sensitive zones, accessibility, (note – in case of industrial estate this information may not be necessary)
- viii. Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
- ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- x. Likely impact of the project on air, water, land, flora-fauna and nearby population
- xi. Emergency preparedness plan in case of natural or in plant emergencies
- xii. Issues raised during public hearing (if applicable) and response given
- xiii. CSR plan with proposed expenditure.
- xiv. Occupational Health Measures
- xv. Post project monitoring plan

SITE INSPECTION REPORT

1.	Name of the Project.	Forest diversion proposal of 22.671 ha of forest land applied for establishment of proposed Grinding, De-sliming (Beneficiation) plant and slurry pumping station along with associate facilities at village Gobardhanpur to produce 30 MTPA Iron Ore Concentrate and Water Intake System at village Kandra under Barbil Tahasil in District Keonjhar in respect of M/s JSW Utkal Steel Ltd.									
2.	Name of District/ Division.	Keonjhar/ Keonjhar Forest Division.									
3.	Date of Inspection.	12.3.2019 & 24.06.2019									
4.	Name and designation of Inspecting Officer.	Sri Santosh Joshi, I.F.S. Divisional Forest Officer, Keonjhar Division.									
5.	Name and designation of the Officers who attended the Inspection including representative of user agency.	Sri P. N. Rout Range Officer, Barbil Range. Representative of the User Agency. Sri Prasanta Kumar Prusty, AGM Sri Baswaraj Dalgade, AGM M/s JSW Utkal Steel Ltd.									
6.	Legal Status of the Forest land with area Proposed for diversion	The proposed forest diversion proposal involves- <table border="1"> <tr> <td>1</td><td>Revenue Forest</td><td>1.045 ha</td></tr> <tr> <td>2</td><td>Non forest land recorded as Forest as on 25.10.1980</td><td>21.626 ha</td></tr> <tr> <td></td><td>Total Forest land</td><td>22.671 ha</td></tr> </table>	1	Revenue Forest	1.045 ha	2	Non forest land recorded as Forest as on 25.10.1980	21.626 ha		Total Forest land	22.671 ha
1	Revenue Forest	1.045 ha									
2	Non forest land recorded as Forest as on 25.10.1980	21.626 ha									
	Total Forest land	22.671 ha									
7.	If area required for diversion has been demarcated on the ground.	Yes									


8. Item wise break up of forest land proposed for diversion.

Sl. No.	Purpose of Utilization	Revenue Forest in ha	Salik Forest (in ha)	Total Forest Land in ha	Total Non-forest land in ha	Grand Total in ha
1	Admin. Building, Store with yard, Ambulance Room, First Aid Center Canteen, Security Barack, Check Post Gate Room/ Time Office.	0.000	0.225	0.225	0.861	1.086
2	Grinding with Desliming Unit, Grinding Unit, Concentrate Thickeners, Over Flow Tanks, Slurry Holding Tanks, Pump house for Slurry Transportation, Chemicals Dosing Unit.	0.000	1.580	1.580	10.600	12.180
3	Ore Stock pile area, Stacker Reclaimers, Conveyors, Crushing & Screening area, RMHS with associated facilities	0.305	1.153	1.458	18.917	20.375
4	Emergency Dump pond	0.000	0.000	0.000	0.640	0.640
5	MRSS, LBDS, DG, Electricals Installations, Car parking, Plant office, Chemical & quality control Centre	0.000	0.500	0.500	2.320	2.820
6	Intake Wall, Intake Chamber, Flash	0.000	0.022	0.022	0.133	0.155

	Mixture, Clariflocutor					
7	Sub Station & DG, Control Room with Office	0.000	0.059	0.059	0.560	0.619
8	Operator Room, Security room & Maintenance Room	0.000	0.280	0.280	0.000	0.280
9	Pump house & Delivery Pipe System	0.000	0.076	0.076	0.068	0.144
10	Truck Unloading Area, Weigh Bridges, Ground Hoppers Area, Intermediate Slime Storage, Conveyors, RMHS with associated facilities, Electrical Installations	0.000	10.245	10.245	0.000	10.245
11	Water Reservoir	0.000	0.095	0.095	4.240	4.335
12	Work shop & Assembly points, L.BDS	0.000	0.000	0.000	0.780	0.780
13	Security office & Security barrack	0.000	0.020	0.020	0.126	0.146
14	Roads & Drains	0.000	0.069	0.069	0.064	0.133
15	Green belt area (33%)	0.740	7.302	8.042	18.525	26.367
	Total	1.045	21.626	22.671	57.834	80.505

9.	Condition of Vegetation and type of forest in the applied area.	<p>The proposed diversion of Forest land is required for establishment of Grinding, De-sliming (Beneficiation) plant and slurry pumping station along with associate facilities to produce 30 MTPA Iron Ore Concentrate at village Gobardhanpur and Water Intake System at village Kancha under Barbil Tahasil in Keonjhar District in respect of M/s JSW Utkal Steel Ltd. The prevailing vegetation in the forest land proposed for diversion includes <i>Tectona grandis</i>, <i>Shorea robusta</i>, <i>Mangifera indica</i>, <i>Syzygium cumini</i>, <i>Diospyros melanoxylon</i>, <i>Terminalia tomentosa</i> & <i>Misc. Species</i>.</p> <p>Since majority of forest land proposed for diversion in the instant case situated near the Thakurani RF, the Eco value class is considered at par with that of Thakurani RF which is Eco value Class-I (Northern Tropical Moist Deciduous Forest-3C). The canopy density of the forest land proposed for diversion is taken as 0.2.</p>
10	Position of Wildlife	<p>The area falls under Elephant habitat zone-2 as per ORSI study report titled as "Remote sensing application for characterisation of elephant habitats and corridors in Orissa and part of Bihar" published in September, 1999. The wildlife present in and around the forest land proposed to be utilized for Grinding, De-sliming (Beneficiation) plant and slurry pumping station along with associate facilities to produce 30 MTPA Iron Ore Concentrate at village Gobardhanpur and Water Intake System at village Kancha under Barbil Tahasil are Barking deer, Jackal, Hyena, Mongoonse, Cuckoo, Owl, Golden-backed Woodpecker, Cobra, Monitor etc. Movement of wild Elephants is often noticed in the proposed area.</p>
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.
12	No. of trees to be felled and its impact on the eco-system.	There are 396 nos. sound and 9 nos. of un-sound trees are standing in the proposed Grinding, De-sliming (Beneficiation) plant and slurry pumping station along with associate facilities to produce 30 MTPA Iron Ore

		Concentrate at village Gobardhanpur and Water Intake System at village Kandra under Barbil Tahasil in respect of M/s JSW Udaal Steel Ltd over 22.671 ha forest land. There are 353 nos. aynd and 10 nos. of un-sound trees are standing over 57.834 ha in non-forest land. The species wise and diameter class wise abstract of trees enumerated is enclosed as Annexure- 16.
13	Details of broken up land and reclamation done if any.	Not applicable
14	Position of displacement of people and adequacy of rehabilitation, if any.	Not applicable
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 diversion area, but elephant movement is often noticed in the forest blocks. There is no archaeologically 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.	Non-forest Govt. land selected for Compensatory Afforestation in lieu of the forest land proposed to be diverted is not included in DLC report / section- 4(i) of OFA, 1972.
17	Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation.	The identified non-forest land is suitable for Compensatory Afforestation.
18	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	No work in violation of FC Act, 1980 is carried out in the forest land proposed for diversion by the project proponent.


 17/11/19
 Divisional Forest Officer,
 Keonjhar Division

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph. No.06766-254315; email: dfokjr.od@gsw.in

No. SJ/06/6F-Mining-305/2018

Dated: Keonjhar the 28.06.2019

The Vice President, (Environment & Forest)
M/s JSW Utkal Steel Limited,
Plot No- 3, Forest Park,
Sisubhawan Square,
Bhubaneswar- 751009

Sub: Certificate for authentication of list of flora & fauna existing in the study area proposed for establishment of proposed Grinding, De-sliming (Beneficiation) plant for production of 70 MTPA Iron Ore concentrate and slurry pumping station and water intake system of M/s JSW Utkal Steel Ltd under Barbil Tahasil in district Keonjhar, Odisha.


Ref: Your letter No. JSW/U/O/2019/118 dated, 18.06.2019.

Sir,

With reference to your above cited letter, the lists of Flora & Fauna available in Core zone & Buffer zone along with the map showing the distance of proposed elephant corridor, wildlife sanctuaries etc. from the above project are authenticated. The said list of Flora & Fauna and map are enclosed herewith for necessary action at your end.

Enclosure:- As above.

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

LIST OF SEMI-AQUATIC AND AQUATIC FAUNA IN STUDY AREA OF JEW (TRAIL) SCHEME LOCATED ALONG THE GUARDING AND DRAINING PLANT FOR PRODUCTION OF 30 BITTS IRON ORE CONCENTRATE NEAR KUDA IX KHANDUJHAR DISTRICT OF ODISHA.

Sl. No.	Common name	Scientific name
FISH SPECIES		
1	Bala	<i>Wallago attu</i>
2	Bhukur	<i>Catla catla</i>
3	Chital	<i>Notopterus chitala</i>
4	Jolab	<i>Chela labucco</i>
5	Mirikali	<i>Cirrhinus mrigala</i>
6	Mohuruli	<i>Rasbora daniconius</i>
7	Phall	<i>Notopterus notopterus</i>
8	Rohu	<i>Labeo rohita</i>
9	Seula	<i>Channa striatus</i>
BENTHOS		
1	Mud snail	<i>Bithynia tentaculata</i>
2	Pond snail	<i>Bellamya crassa</i>
SEMI-AQUATIC BIRDS		
1	Indian Pond Heron	<i>Ardeola grayii</i>
2	Indian River Tern	<i>Sterna aurantia</i>
3	Little Cormorant	<i>Phalacrocorax carbo</i>
4	Little Egret	<i>Egretta garzetta</i>
5	Moorhen	<i>Gallinula chloropus</i>
6	Red-Wattled Lapwing	<i>Vanellus indicus</i>
7	Teal	<i>Anas crecca</i>
AMPHIBIANS		
1	Paddy field frog	<i>Rana limncharis</i>
2	Skipping frog	<i>Rhinophrynus</i>
3	Toad	<i>Bufo melanostictus</i>

Source: Observed during field survey, interaction with local people, forest officials and records in the Revised Working Plans for the Reserved Forests and Proposed Reserved Forests of Keonjhar (T) Division & Keonjhar (WL) Division (2007-08 to 2016-17), Govt. of Orissa.

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3
JINDAL

OP

LIST OF FLORA IN THE STUDY AREA OF JSW UTKAL STEEL LIMITED IRON ORES GRINDING AND DESLIMING PLANT FOR PRODUCTION OF 30 SITPA IRON ORE CONCENTRATE NEAR JODA IN KENDUJHAR DISTRICT OF ODISHA

Vegetation in the Forest Area and Afforested Area				
Sl. No.	Family	Sl. No.	Local Name	Scientific Name
Trees:				
1	Anacardiaceae	1	Char, Chironji	<i>Buchanania lanzan</i>
2	Arecaceae	2	Jangli Khajur	<i>Phoenix acaulis</i>
3	Apocynaceae	3	Kurchi	<i>Holarrhena antidysenterica</i>
4	Bigoniaceae	4	Padri	<i>Stereospermum chelonoides</i>
5	Bombacaceae	5	Bamal	<i>Bombax ceiba</i>
6	Burseraceae	6	Salai	<i>Boswellia serrate</i>
7	Celastraceae	7	Palash	<i>Butea monosperma</i>
8	Combretaceae	8	Arjun	<i>Terminalia arjuna</i>
		9	Aran	<i>Terminalia tomentosa</i>
		10	Bohera	<i>Terminalia bellirica</i>
		11	Dhaura	<i>Anogeissus latifolia</i>
		12	Harida	<i>Terminalia chebula</i>
9	Dipterocarpaceae	13	Sal	<i>Shorea robusta</i>
10	Menisperm	14	Kendu	<i>Diospyros melanoxylon</i>
11	Euphorbiaceae	15	Anjan	<i>Emblina officinalis</i>
12	Fabaceae	16	Akashmoni	<i>Acacia auriculiformis</i>
		17	Babul	<i>Acacia nilotica</i>
		18	Bandhan	<i>Chugenia obovata</i>

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Forest Section, JSW Steel
BULIPADA SECTION

09

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Vegetation in the Forest Area and Afforested Area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
		19	Bija, Piplani	<i>Pterocarpus marsupium</i>
		20	Khair	<i>Azadirachta indica</i>
		21	Karanja	<i>Pongamia glabra</i>
		22	Safed siris	<i>Albizia procera</i>
		23	Siddha	<i>Lagerstroemia parviflora</i>
		24	Kasi	<i>Brideia retusa</i>
		25	Kamori	<i>Cassia siamea</i>
		26	Kuruma	<i>Adina cordifolia</i>
		27	Sisoo	<i>Dalbergia sissoo</i>
		28	Jambu	<i>Xylia xylocarpa</i>
13	Lamiaceae	29	Damhor	<i>Gmelina arborea</i>
		30	Teak	<i>Tectona grandis</i>
14	Leguminosae	31	Kumbhi	<i>Careya arborea</i>
15	Malvaceae	32	Kulu	<i>Sterculia urens</i>
16	Meliaceae	33	Neem	<i>Azadirachta indica</i>
17	Moraceae	34	Dumur	<i>Ficus hispida</i>
18	Myrtaceae	35	Jam, Jamun	<i>Syzygium cumini</i>
19	Rhamnaceae	36	Ber	<i>Zizyphus spp.</i>
20	Rutaceae	37	Bael	<i>Aegle marmelos</i>
21	Sapindaceae	38	Kusum	<i>Schleichera oleosa</i>
22	Sapotaceae	39	Mahua	<i>Madhuca indica</i>
Bamboo:				

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3
JINDAL

OP

Vegetation in the Forest Area and Afforested Area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
1	Flacourtiaceae	1	Bam	<i>Dendrocalamus strictus</i>
		2	Bansa bam	<i>Sambusa arundinacea</i>
Shrubs:				
1	Anacardiaceae	1	Devil wood	<i>Chromolaena odorata</i>
2	Fabaceae	2	Chhota chakunda	<i>Cassia tora</i>
3	Lamiaceae	3	Banarui	<i>Ocimum basilicum</i>
4	Lythraceae	4	FireFlame Bush	<i>Woodfordia fruticosa</i>
5	Mimosaceae	5	Lufabai	<i>Mimosa pudica</i>
6	Phyllanthaceae	6	Garari	<i>Cleistanthus collinus</i>
7	Rhamnaceae	7	Ber	<i>Zizyphus jujuba</i>
8	Verbenaceae	8	Chakra	<i>Lantana camara</i>
Climbers:				
1	Combretaceae	1	Bushwillow	<i>Combretum decandrum</i>
2	Dioscoreaceae	2	Gachalo	<i>Dioscorea bulbifera</i>
3	Fabaceae	3	Maloe Creeper	<i>Bauhinia variegata</i>
Herbs:				
1	Acanthaceae	1	Kalmegh	<i>Andrographis paniculata</i>
2	Apocynaceae	2	Ananthamul	<i>Hemidesmus indicus</i>
3	Euphorbiaceae	3	Ban. Tuasi	<i>Croton spuriiflorus</i>
4	Poaceae	4	Kush	<i>Vetiveria zizanioides</i>
5	Umbelliferae	5	Thankuni	<i>Centella asiatica</i>

JSW (Hill Garden) Project
Bhilai Project

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Forest Section Officer
BIL EIPADA SECTION

UP

3
2024

Vegetation in Roadside, Homestead Land and Urban Plantation area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
Trees:				
1	Anacardiaceae	1	Mango	<i>Mangifera indica</i>
		2	Cashew	<i>Anacardium occidentale</i>
2	Annonaceae	3	Debdaru	<i>Polypodium longifolia</i>
		4	Shaphol	<i>Annona squamosa</i>
3	Apocynaceae	5	Chatim	<i>Azadirachta indica</i>
4	Burseraceae	6	Salai	<i>Boswellia serrata</i>
5	Caricaceae	7	Papita	<i>Carica papaya</i>
6	Combretaceae	8	Arjun	<i>Terminalia arjuna</i>
		9	Kath borlam	<i>Terminalia catappa</i>
7	Fabaceae	10	Akashmoni	<i>Acacia auriculiformis</i>
		11	Kassod	<i>Cassia siamea</i>
		12	Batui	<i>Acacia nilotica</i>
		13	Ganga imli	<i>Pithecellobium dulce</i>
		14	Imli	<i>Tamarindus indica</i>
		15	Kachnar	<i>Bauhinia purpurea</i>
		16	Karanja	<i>Pongamia glabra</i>
		17	Oulmoohar	<i>Delonix regia</i>
		18	Rodhachurna	<i>Peltophorum pterocarpum</i>
		19	Sisoo	<i>Dalbergia sissoo</i>
		20	Safad Siris	<i>Albizia procera</i>
		21	Subabul	<i>Leucaena leucocephala</i>

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OP

JINDAL

Vegetation in Roadside, Homestead Land and Urban Plantation area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
8	Mulaceae	22	Santal	<i>Santalum album</i>
9	Meliaceae	23	Shah-nimb	<i>Melia azadirachta</i>
		24	Mahogany	<i>Swietenia mahagoni</i>
		25	Neem	<i>Androschta indica</i>
10	Moraceae	26	Banyan	<i>Ficus benghalensis</i>
		27	Kathal	<i>Artocarpus heterophyllus</i>
		28	Pipal	<i>Ficus religiosa</i>
11	Moringaceae	29	Sajna	<i>Moringa oleifera</i>
12	Myrtaceae	30	Guava	<i>Psidium guajava</i>
		31	Nilgiri	<i>Eucalyptus citradora</i>
		32	Jamun	<i>Syzygium cumini</i>
13	Phyllanthaceae	33	Amla	<i>Phyllanthus emblica</i>
14	Ehamnaceae	34	Ber	<i>Ziziphus maurandia</i>
15	Rubiaceae	35	Kodam	<i>Anthocephalus cadamba</i>
16	Rutaceae	36	Bael	<i>Aegle marmelos</i>
17	Sapotaceae	37	Bakul	<i>Mimusops elengi</i>
		38	Mahua	<i>Madhuca indica</i>
18	Simarubaceae	39	Mahanimb	<i>Ailanthus excelsa</i>
Palm:				
1	Arecaceae	1	Khajur	<i>Phoenix dactylifera</i>
		2	Nariyal	<i>Cocos nucifera</i>
		3	Tai	<i>Borassus flabellifer</i>

For Manager, Forest
Bhilai Range

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Forest Section Officer
BHILIPADA SECTION

OP

3
KNOX

Vegetation in Roadsides, Homestead Land and Urban Plantation area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
Bamboo:				
1	Poaceae	1	Bam	<i>Dendrocalamus strictus</i>
		2	Kanta Bam	<i>Bambusa arundinacea</i>
Shrubs:				
1	Acanthaceae	1	Vasaku	<i>Adhatoda verticillata</i>
2	Apocynaceae	2	Ananthamul	<i>Hemidesmus indicus</i>
		3	Korabi	<i>Nerium oleander</i>
3	Annonaceae	4	Sitaphal	<i>Annona squamosa</i>
4	Asclepiadaceae	5	Alenda	<i>Calotropis gigantea</i>
5	Asparagaceae	6	Century plant	<i>Agave sp.</i>
6	Convolvulaceae	7	Ipomea	<i>Ipomoea pes-caprae</i>
7	Euphorbiaceae	8	Arandi	<i>Ricinus communis</i>
		9	Lal Bheranda	<i>Jatropha gossypifolia</i>
8	Fabaceae	10	Aaram	<i>Cassia auriculata</i>
		11	Arnar	<i>Cajanus cajan</i>
9	Lamiaceae	12	Bhani	<i>Chenodendrum litorale</i>
10	Malvaceae	13	Berela	<i>Sida cordifolia</i>
11	Nyctaginaceae	14	Bougainvillea	<i>Bougainvillea spectabilis</i>
12	Rhamnaceae	15	Chan ber	<i>Ziziphus nummularia</i>
13	Solanaceae	16	Datura	<i>Datura stramonium</i>
14	Verbenaceae	17	Lantana	<i>Lantana camara</i>
Herbs:				

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OF

JINDAL

Vegetation in Roadside, Homestead Land and Urban Plantation area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
1	Asteraceae	1	Balmugh	<i>Andropogon imbricatus</i>
2	Amaranthaceae	2	Apark	<i>Achyranthes aspera</i>
3	Asparagaceae	3	Labdu	<i>Agave americana</i>
4	Aphoradiaceae	4	Indian Aloe	<i>Aloe vera</i>
5	Apocynaceae	5	Nayanara	<i>Catharanthus roseus</i>
6	Asteraceae	6	Conchittone	<i>Tridax procumbens</i>
		7	Congress grass	<i>Purpurella hyatropharia</i>
7	Cactaceae	8	Prickly Pear	<i>Cylindropuntia dillenii</i>
8	Convolvulaceae	9	Morning Glory	<i>Ipomoea frutescens</i>
9	Cucurbitaceae	10	Bottle gourd	<i>Lagenaria vulgaris</i>
10	Cyperaceae	11	Narsedga	<i>Cyperus sp.</i>
11	Euphorbiaceae	12	Ban Tulsi	<i>Croton tigliarius</i>
12	Fabaceae	13	Anshumati	<i>Desmodium gangeticum</i>
		14	Babchi (seed)	<i>Psoralea corylifolia</i>
13	Lamiaceae	15	Priyangu	<i>Callicarpa macrophylla</i>
		16	Tulasi	<i>Ocimum tenuiflorum</i>
14	Malvaceae	17	Country Mallow	<i>Sida cordifolia</i>
		18	Sida	<i>Sida acuta</i>
15	Mimosaceae	19	Leajanti	<i>Mimosa pudica</i>
16	Musaceae	20	Banana	<i>Musa paradisiaca</i>
17	Papaveraceae	21	Prickly Poppy	<i>Argemone mexicana</i>
18	Poaceae	22	Kashatandi	<i>Sorghum spontaneum</i>

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Shubanshwar 751007, Odisha
T +91 874 2596117
Jindal Group

JSW
BANDRA

OP

Vegetation in Roadside, Homestead Land and Urban Plantation area

Sl. No.	Family	Sl. No.	Local Name	Scientific Name
		20	Kush	<i>Vetiveria zizanioides</i>
19	Umbelliferae	34	Thankuni	<i>Centella asiatica</i>
Grasses:				
1	Cyperaceae	1	Mutha	<i>Cyperus esculentus</i>
2	Poaceae	2	Buffalo grass	<i>Paspalum conjugatum</i>
		3	Canry grass	<i>Eragrostis ciliaris</i>
		4	Dhuni	<i>Cynodon dactylon</i>
		5	Jungle rice	<i>Echinochloa colonum</i>
		6	Kush	<i>Sporobolus pallidus</i>
		7	Lepda grass	<i>Aplida mutica</i>
		8	Sacaton grass	<i>Sporobolus marginatus</i>
Climbers:				
1	Caesalpinaceae	1	Maloo Creeper	<i>Bauhinia vahlii</i>
2	Convolvulaceae	2	Ipomoea	<i>Ipomoea staphyllina</i>
3	Cucurbitaceae	3	Wild gourd	<i>Citrullus colocynthis</i>
4	Dioscoreaceae	4	Pitalu	<i>Dioscorea bulbifera</i>
5	Fabaceae	5	Grab's eye	<i>Abrus precatorius</i>
Most Dominant Agricultural Crops:				
1	Poaceae	1	Rice	<i>Oryza sativa</i>
Minor Agricultural Crops:				
1	Fabaceae	1	Groundnut	<i>Arachis hypogaea</i>
		2	Gram	<i>Ocrotia ariztinum</i>

Asst Range Officer
Barbil Range

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Indal Group

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Asst. Section Officer
BILEIPADA SECTION

OF

3
JINDAL

Vegetation in Roadsides, Homestead Land and Urban Plantation area				
Sl. No.	Family	Sl. No.	Local Name	Scientific Name
1	Poaceae	3	Melan	<i>Zea mays</i>
2	Podaliaceae	4	Sesam	<i>Sesamum indicum</i>
4	Poaceae	5	Sugarcane	<i>Saccharum officinarum</i>
		6	Wheat	<i>Triticum aestivum</i>

Source: Observed during field survey, interaction with local people, forest officials and records in the Revised Working Plans for the Reserved Forests and Proposed Reserved Forests of Keonjhar (I) Division & Keonjhar (WL) Division (2007-08 to 2016-17), Govt. of Orissa

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ATDOL

LIST OF TERRESTRIAL FAUNA IN STUDY AREA OF JSW UTKAL STEEL LIMITED IRON ORE GRINDING AND DESLIMING PLANT FOR PRODUCTION OF 30 MTPA IRON ORE CONCENTRATE NEAR JODA IN KENDUJHAR DISTRICT OF ODISHA

Sl. No.	Common Name	Scientific Name	Schedule of Protection
MAMMALS			
1	Asiatic Jackal	<i>Canis aureus</i>	II
2	Barking deer	<i>Muntiacus muntjak</i>	III
3	Hanuman langur	<i>Presbytis entellus</i>	II
4	House shrew	<i>Suncus murinus murinus</i>	V
5	Indian bush rat	<i>Golunda ellioti ellioti</i>	V
6	Indian grey mongoose	<i>Herpestes edwardsii</i>	II
7	Indian hare (Rabbit)	<i>Lepus nigricollis</i>	IV
8	Indian Palm Squirrel	<i>Panambillus palmarum</i>	IV
9	Lesser bandicoot rat	<i>Bandicota bengalensis</i>	V
10	Sambar	<i>Cervus uicolor</i>	III
11	Spotted deer	<i>Axis axis</i>	III
12	Striped hyena	<i>Hyaena hyaena</i>	III
13	Wild boar	<i>Sus scrofa cristatus</i>	III
14	Wild dogs	<i>Cyon alpinus</i>	II
REPTILES			
1	Asian chameleon	<i>Chameleon zeylanicus</i>	II
2	Asian water monitor	<i>Varanus salvator</i>	II
3	Brahminy blind snake	<i>Tuphlops brahinus</i>	IV
4	Common Krait	<i>Bungarus caeruleus</i>	IV
5	Garden Lizard	<i>Calotes versicolor</i>	-
6	Indian Cobra	<i>Naja naja</i>	II
7	Russell's Viper	<i>Vipera russelli</i>	II
BIRDS			
1	Asian pied sturling	<i>Gracupica contra</i>	IV
2	Black drongo	<i>Dicurus macrocorus</i>	IV
3	Curamon bustard-quail	<i>Turnix suscitator</i>	IV
4	Common cuckoo	<i>Cuculus canorus canorus</i>	IV
5	Common crow	<i>Corvus splendens</i>	V

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Forest Station Officer
BILIPADA SECTION

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T +91 674 2598117
Hindal Group

QP



6	Common hill myna	<i>Columba livia</i>	IV
7	Golden backed woodpecker	<i>Dendrocincla bagyoides</i>	IV
8	House sparrow	<i>Passer domesticus</i>	IV
Sl. No.	Common Name	Scientific Name	Schedule of Protection
9	Indian eagle owl	<i>Bubo bengalensis</i>	IV
10	Indian roller	<i>Coracias benghalensis</i>	IV
11	Indian small blue kingfisher	<i>Alcedo althia bengalensis</i>	IV
12	Indian tailor bird	<i>Orthotomus sutorius</i>	IV
13	Indian white breasted kingfisher	<i>Halcyon smyrnensis fusa</i>	IV
14	Jungle babbler	<i>Turdoides striata</i>	IV
15	Koel	<i>Eudynamis scolopacea</i>	IV
16	Large Indian parakeet	<i>Ptilinopus eupatria eupatria</i>	IV
17	Myna	<i>Acridotheres tristis</i>	IV
18	Red jungle fowl	<i>Gallus gallus</i>	II
19	Red vent bulbul	<i>Pycnonotus cafer</i>	IV
20	Rose ringed parakeet	<i>Ptilinopus krameri</i>	IV
21	Small green bee-eater	<i>Merops orientalis</i>	IV
22	Spotted dove	<i>Streptopelia chinensis</i>	IV
23	Spotted owl	<i>Athene brama</i>	IV
24	Woodpecker	<i>Picus squamatus</i>	IV
BUTTERFLIES			
1	Common grass yellow	<i>Eurymachus</i>	-
2	Common sailer	<i>Neptis hylax</i>	-
3	Crimson rose	<i>Pachliopta hector</i>	-
4	Great egg fly	<i>Hypolimnax bolina</i>	-
5	Lime butterfly	<i>Papilio demoleus</i>	-

Source: Observed during field survey, interaction with local people, forest officials and records in the Revised Working Plans for the Reserved Forests and Proposed Reserved Forests of Keonjhar (T) Division & Keonjhar (WL) Division (2007-08 to 2016-17), Govt

Forest Range Officer
Shubhashwar

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Jindal Group

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Website: jsww.co

Forest Section Officer
SHUBHASHWAR SECTION

SHUBHASHWAR

OP

**OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION**

Phone No- 06766-254315, email ID- dfokjr.od@gov.in

No. 5054 /Mining-
Dated, Keonjhar, the 26-8 2021

To

The Authorized Signatory,
JSW Utkal Steel Limited,
Plot No. 3, Forest Park,
Bhubaneswar, Odisha

Sub: Diversion of forest land for industry and facilities by M/s JSW Utkal Steel Ltd in Barbil Tahasil in Keonjhar district.

X-Sub: **Demand of Site Specific Wildlife Conservation Plan at the current wage rate @Rs. 311.00/- per Mandays.**

Ref: Letter No. 8075 dated 21.08.2021 of Principal Chief Conservator of Forests, (Wildlife) & CWLW, Odisha, Bhubaneswar

Sir

With reference to the aforementioned letter on the captioned subject, the Principal Chief Conservator of Forests, (Wildlife) & CWLW, Odisha, Bhubaneswar has approved the financial outlay for Site Specific Wildlife Conservation Plan Rs. 292.12 lakh (Rupee two crore ninety-two lakh twelve thousand) only @Rs311.00 per Man-days for activities in project as well as in impact area. Hence you are requested to deposit the approved amount of **Rs. 292.12 lakh** (Rupee two crore ninety-two lakh twelve thousand) only towards Site Specific Wildlife Conservation Plan. The demanded amount should be deposited 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 requested to take note on the following condition for future compliance.

- The plan may be revisited after 5 years and the User Agency will give undertaking to contribute towards the revised cost of the conservation plan till the project period, if any.
- Should there be need for Site Specific Wildlife Conservation Plan after expiry of the present plan period, the User Agency shall submit another such plan at least one year before the expiry of the present conservation plan and deposit the outlay amount upon its approval. In case of delay, it will be dealt as per law for violations of Forest (Conservation) Act, 1980 and Environmental (Protection) Act, 1986.
- The User Agency has to give an undertaking to bear the differential cost in case of enhancement of wage rate at the time of implementation of this plan.

Yours faithfully,

**Divisional Forest Officer,
Keonjhar Division.**

Memo No. 5055 / **Dated.** 26-8-21

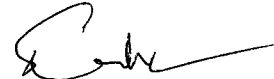
Copy forwarded to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela for favour of kind information and necessary action.



Divisional Forest Officer,
Keonjhar Division.

(2)
Memo No. 5056 / **Dated.** 26-08-21

Copy forwarded to the Principal Chief Conservator of Forests, (Wildlife) & CWLW, Odisha, Bhubaneswar/ Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, 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.


JSW Steel Limited

Regd. Office: JSW Centre
 Bandra Kurla Complex,
 Bandra (East), Mumbai - 400 051
 CIN: L27102MH1994PLC152925
 Phone : +91 22 4286 1000
 Fax : +91 22 4286 3000
 Website : www.jsw.in

Date: 14.02.2022
Ref No. JSW/U/O/2021-22/113

To
**The Divisional Forest officer,
 Keonjhar Division.
 Keonjhar**

Sub: Payment of amount of Rs. 4,95,78,700/- (Rupees Four Crore Ninety-Five Lakh Seventy-Eight Thousand seven hundred Only) towards demand of Site Specific Wildlife Conservation plan @ Rs311.00 per MD (Rs. 2,92,12,000/-) & Compensatory afforestation over 22.80 ha. Of non-forest Govt. land @ Rs315.00 per MD (RS. 2,03,66,700) with maintenance period of Ten years identified in village Podadihi under Banspal Tahsil of Keonjhar District.

Sub-Reference: Permission for laying of 32" dia. slurry pipeline system for transportation of 30 MTPA iron ore concentrate along and across the NHAI, IDCO, PWD roads within the Right of Way (RoW) of such roads involving 39.85Km of Pipeline alignment passing through 3,985Ha of Forest land out of total RoW alignment of 245.587Km spread over five revenue districts of Odisha such as Keonjhar, Jajpur, Cuttack, Kendrapara & Jagatsinghpur {coming within the jurisdiction of four forest divisions such as Keonjhar, Keonjhar (WL), Cuttack and Rajanagar Mangrove (WL)} from the proposed grinding, beneficiation and slurry pumping station at Gobardhanpur, Joda under Barbil Tahsil in Keonjhar district to the proposed Integrated Steel Plant at Paradip in Jagatsinghpur district, and Diversion of 22.6371 ha. Forest land for establishment of proposed Iron Ore Grinding, De-sliming (Beneficiation) plant, Slurry pumping station and Water Intake System of Odisha of M/s JSW Utkal Steel Limited.

Ref: Your Office letter no 9004 Dt. 16.12.2021 & 9443 Dt. 31.12.2021

Sir,

With reference to the subject cited above, we have transferred an amount of Rs. 4,95,78,700/- (Rupees Four Crore Ninety-Five Lakh Seventy-Eight Thousand seven hundred Only) towards demand of Site Specific Wildlife Conservation plan @ Rs311.00 per MD (Rs. 2,92,12,000/-) & Compensatory afforestation over 22.80 ha. Of non-forest Govt. land @ Rs315.00 per MD (RS. 2,03,66,700) with maintenance period of Ten years identified in village Podadihi under Banspal Tahsil of Keonjhar District. The RTGS slip (UTR No. ICICR420220900534061) is enclosed herewith for your kind information.

Kindly acknowledge the receipt as above.

Further we request your good office to instruct the concerned authority to initiate the tree felling activity within the above mentioned area of RoW.

Thanking you

Yours faithfully

For JSW Utkal Steel Limited

Authorized Signatory

Encl. as above:



ICICI Bank Advice Receipt
2/9/22 5:51 PM

Transaction Details

Account Number: 006105023813

Transaction Date: 09-02-2022 00:00:00

Transaction Amount: INR 4,95,78,700.00

Debit/Credit: Debit

Cheque Number : -NIL-

Transaction Description : RTGS/ICICR420220209005
34061/UBIN0903710/ORRI
SA
CAMPA/ULBHNO1X20000
0074

Transaction ID: S77196279

Transaction Remarks : -

Note: This is an electronically generated receipt and
Transaction Balance : INR 9,16,72,15,931E7
does not need any signature.

AGENCY COPY

यूनियन बैंक ऑफ इंडिया  Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 07-02-2022

Agency Name.	JSW UTKAL STEEL LIMITED
Application No.	6736705564
MoEF/SG File No.	5-ORC400/2019-BHU
Location.	ORRISA
Address.	JSW Utkal Steel Limited Plot No. 3, Forest Park, Bhubaneshwar, Odisha Khordha
Amount(in Rs)	49578700/-

Amount in Words :Four Crore Ninety-Five Lakh Seventy-Eight Thousand Seven Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150826736705564 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

• 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

Date : 07-02-2022

Agency Name.	JSW UTKAL STEEL LIMITED
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Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

After making successful payment, User Agencies may send a line of confirmation through
Email: helpdeskampa@corpbank.co.in

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 to
Email: cb0371@unionbankofindia.com

ANNEX-XII

1351

18-2-2020

FORM NO. II
(for projects other than linear projects)
Government of Odisha
Office of the District Collector, Keonjhar

No. 323

Dt. 15-02-2020

TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No. 11-9/98-FC(PH) dt. 1st August, 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers' Recognition of Forest Rights Act, 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 22,671 hectares of forest land proposed to be diverted in favour of **M/s JSW Utkal Steel Ltd.** for establishment of Iron Ore Grinding & Beneficiation Unit at Gohardhanpur under Barbil Tahasil and establishment of intake well and water pumping station for the said unit in Keonjhar District falls within jurisdiction of Lahanda, Gohardhanpur, Kandara and Bhagalpur villages in Barbil Tahasil.

It is further certified that

- the complete process of identification and settlement of rights under the FRA has been carried out for the entire 22,671 hectares of forest land proposed for diversion. A copy of records of all consultations and meetings of Grama Sabha, Sub-Division Level Committee(s) and the District level Committee are enclosed as annexure- 1 to annexure- 52
- the proposal for such diversion (with full details of the project and its implications, in vernacular/local language) have been placed before each concerned Grama Sabha of forest dwellers who are eligible under the FRA.
- the each of 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 the compensation and ameliorative measures, if any, having understood the purpose and the details of proposed diversion. Copies of Grama Sabha Resolution is enclosed as annexure- 7, 21, 33 & 44
- the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Grama Sabha present.
- No such facilities managed by Government requiring diversion of forest land as 3(2) of the Forest Rights Act, 2006 exist over the forest land proposed for diversion.
- the rights of Primitive Tribal Groups and Pre-Agricultural Communities, where applicable have been specifically safeguarded as per section 3(1)(e) of the FRA.

[Signature]
District Collector,
Keonjhar

Memo No. 324

Rev/Dt 15-02-2020

Copy of Certificate alongwith its enclosures (Annexure-1 to 52) forwarded to the Divisional Forest Officer, Keonjhar for information and necessary action.

[Signature]
15-02-2020
Addl. District Magistrate,
Keonjhar

PROCEEDING OF THE
DISTRICT LEVEL COMMITTEE MEETING

ON FOREST RIGHTS ACT

HELD ON 31.12.2019 AT 10.30 AM IN THE
MINI CONFERENCE HALL, COLLECTORATE
KEONJHAR

**PROCEEDING OF THE DISTRICT LEVEL COMMITTEE MEETING ON FOREST RIGHT MEETING
HELD ON 31.12.19 AT 10.30 AM IN THE MINI CONFERENCE HALL OF THE
COLLECTORATE, KEONJHAR**

District Level Committee meeting on FRA was held on 31.12.19 at 10.30 PM in the Mini Conference Hall of Collectorate, Keonjhar under the Chairmanship of Additional District Magistrate, Keonjhar. As the Collector-cum-Chirman, DLC is otherwise busy the ADM, Keonjhar has chaired the meeting. The list of members/participants present in the meeting is given below:


- | | |
|---|---|
| 1) Dr. Bhakta Ch. Pradhan, OAS(SAG) | - ADM, Keonjhar |
| 2) Sri Santosh Joshi, IFS | DFO, Keonjhar |
| 3) ACF, Anandapur represent to DFO, Anandapur | |
| 4) Sri Pradumna Kumar Dash, OWS | DWO, Keonjhar |
| 5) Smt. Sanju Das, OWS | SO, ITDA, Keonjhar |
| 6) Sri Ajaya Kumar Naik | - ZP Member |
| 7) Sri Suresh Chandra Naik | - ZP Member |
| 8) Smt. Kamalini Dandapat | - ZP Member |
| 9) Sri Narayan Murmu, OAS(S) | - PA, ITDA, Keonjhar -cum-Dist. Nodal Officer, FRA, |

At the outset, the Chairman extended a warm welcome to all the members present and briefed the issues those were to be discussed in the DLC meeting. He also thanked the members for their heartiest cooperation in implementing the FRA in this District. Then he directed the District Nodal Officer, FRA to initiate agenda wise discussions.

The Agenda wise discussions made in the DLC is as follows:-

1) Confirmation of Proceeding of the last D.L.C. meeting held on 24.7.19

Initiating the discussion the District Nodal Officer, FRA stated to the house that the proceedings of the last DLC meeting held on 24.7.19 had been circulated among all the members vide Memo No.3926 /ITDA (K) FRC. Dtd. 5.8.19. Since no objection has been received from any quarters and that none of the members present had anything to say against the contents, therefore the Committee confirmed by the said proceedings.



2) Approval of IFR Claims

The PA, ITDA, Keonjhar apprised the house that 112 Individual Forest Rights claims pertaining to different Blocks duly approved by the SDLC have been received from the Sub-Collectors, Champua & Anandpur. The details Block wise claims as depicted below was put forth before the house for approval.

Sl.No.	Name of the Block	Claim received by DLC for approval on 31.12.19	Total area (in Ac)
01	Champua	25	1.00
02	Hatadihi	87	3.45
	Total	112	4.45 Ac.

All 112 cases under Revenue Forest.

Secondly, as per decision taken in the DLC meeting held on 15.2.18, the Sub-Collector, Anandapur has re-submitted 254 IFR cases (area Ac.24.12) after GPS reading.

After detailed discussion and examination the committee unanimously approved all 366 cases for preparation and issue of Titles to the beneficiaries.

Thus after a thread bare discussion and detailed scrutiny, the Committee has approved the following claims under individual rights.

Name of the Sub-Divn.	No. of cases	Area in Acre	Kissam	Remarks
Anadapur	341	27.57	Revenue Forest & Reserve Forest	Details are Annx.(A)
Champua	25	1.00	Revenue Forest	Details are Annx(C)
GRAND TOTAL	366	28.57		

After approval, the cumulative progress under IFR of Keonjhar District as on 31.12.19 is given below.

Claims approved By 24.7.19	Area in acre	Claims approved today i.e 31.12.19	Area in acres	Total claims approved	Total Area in acre	Total PVTG claims approved	Total PVTG area
59419	46606.655	366	28.57	59785	46635.225	4991	6138.00

4) DIVERSION OF FOREST LAND TOWARDS NON-FOREST ACTIVITIES- ISSUANCE OF CERTIFICATE THEREOF.

The PA,ITDA,Keonjhar placed before the Committee the following diversion proposals received from different User Agencies for diversion of Forest land towards Non-forest activities..

Sl. No	Name of the User's Agency	Purpose	Name of the Tahasil	Area
A	M/s Jagannath Steel & Power Ltd.	Construction of road from Barbil Jamda road to plant premises of Sri Jagannath Steels & Power Ltd.	Barbil	4.244 Ha.
B	Orissa Mining Corporation Limited,	Mining activities of Banspani Iron Ore Mines	Barbil/ Joda Municipality	26.302 Hc.
C	M/s JSW Utkal Steel Limited	Establishment of Iron Ore Gridding & Benefication Unit intake well and water pumping station	Barbil	22.671 Hc.
D	M/s Rungta Mines Limited	Construction of 132 KV Transmission Line from Kamanda Steel Plant	Barbil	31.806 Ha.

A) M/s JAGANNATH STEELS & POWER LIMITED

On scrutiny of case record, it was found that the User's Agency have applied for compliance of ST & OTFD Act,2006 for diversion of forest land to a tune of **4.244 Ha.** for Construction of road from Barbil Jamda road to the plant premises of Sri Jagannath Steels & Power Ltd. . The District Office instructed to the PA, ITDA, Keonjhar-cum-Dist. Nodal Officer, FRA vide letter No.836/Rev. dt.8.7.19 to enquire into the details of the matter pertaining to settlement of rights under FRA in the forest area involved in the project.. The PA,ITDA, Keonjhar had forwarded the proposal to the Tahasildar, Barbil vide letter No.3805/ITDA/Dt.18.7.19 with a request to enquiry the matter and submit findings in form No.I meant for Linear projects.

Necessary inquiry reports in form No.(1) has been submitted by the Tahasildar,Barbil vide No.3350/dt.19.8.19. The Sub-Collector,Champua-cum-Chairman,SDLC has forwarded same after approval of SDLC held on 12.9.19.

The DLC examined the reports vis-à-vis the case proposal and approved the same for issuance of FRA certificate in favour of the User Agency **M/s Jagannath Steels & Power Limited.**

B) ORISSA MINING CORPORATION LIMITED

On scrutiny of case record, it was found that the User's Agency have applied for compliance of ST & OTFD Act,2006 for diversion of forest land to a tune of **32.969 Ha.** 26.302 Ha. in Joda Municipality area) for Banspani Iron Ore Mines of OMC Limited for

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Mining activity. The District Office instructed to the PA, ITDA, Keonjhar-cum-Dist. Nodal Officer, FRA vide letter No.03/Rev. dt.2.1.2017 to enquire into the details of the matter pertaining to settlement of rights under FRA in the forest area involved in the project. The PA, ITDA, Keonjhar had forwarded the proposal to the BDO, Joda vide letter No.146/ITDA/Dt.18.1.17 with a request to enquire the matter on settlement rights under FRA and obtain consent of Gram Sabha in the light of observation of Secy, MoTA, Govt. of India and submit report to the SDLC, Champua with subsequent memo to Tahasildar, Barbil.

Again the OMC has requested vide dt.18.7.19 has requested to issue of certificate for forest area of 26.302 Ha. in village Banspani (4.063 Ha. and Khuntapani (22.239 Ha) under Jopda Municipality arera. Accordingly the the PA, ITDA had forwarded the proposal to the EO, Joda Municipality vide letter No.3829/ITDA Dt.20.7.19 with a request to enquire the matter on settlement of rights under FRA and obtain consent of Ward Sabha as per the guidelines on applicability of the ST & OTFD (RFR) Act, 2006 in Municipal/ Urban areas in Office memorandum dt.5.3.15 of Govt. of India, MoTA.

The SDLC, Champua in their meeting held on 7.11.19 furnished certificate ensuring attendance of more that 50% of voters of the concerned villages and verifying the signatures /LTl of the participants duly attested with reference to Electoral Roll of the village. The SDLC further certified that the ST & OTFD(RFR) Act, 2006 and amendment rule, 2012 has been ensured in respect of villages Banspani & Khuntapani and there is no claim either individual and community on the forest land proposed for diversions in the respective villages. For better appreciation of the DLC, the details of village, extent of land & other relevant information concerning diversion of forest land measuring an area of 26.302 Ha. of User's Agency OMC Ltd...

Name of the village/ Mouza	Extent of land apply (in Ha.)	Kisam of the land	Date of Gram Sabha when the diversion proposal approved	No. of Voters as per Electoral roll	No. of Voters signed in the Gram Sabha	Whether genuineness of voters verified with reference of Sl.No. of Electoral roll by authorized Govt. official in Gram Sabha	Whether joint verification certificate is countersigned by the Chairman SDLC
Banspani &	4.063 Ha.	Jungle	9.8.19	1450	947	Yes.	Yes.

Khuntapani	22.239 Ha						
Total	26.302 Hc.						

The diversion proposals submitted after approval in SDLC held on dated 7.11.19. The detail land schedule duly signed by Tahasildar, Barbil. Considering the (i) approval of the Ward Sabha of respective village, (ii) recommendation of SDLC, Champua dtd. 7.11.19 (iii) Joint verification certificates ensuring participation of more than 50% of the voters of the villages and "No claim" either Individual or Community on the proposed Forest land under ST & OTFD (RFR) Act, 2006 & Rules there under, (iv) land particulars for proposed diversion land jointly signed by Tahasildar, Barbil (v) Enquiry report signed by Sub-Collector, Champua Tahasildar, Barbil, EO, Joda Municipality and Forest Range Officer, Champua, President of FRC Committee of the concerned village (vi) proceedings of SDLC, Champua held on 7.11.19, (vii) and the certification about no claim over the proposed land by ST, PTG & OTFD under FR Act for individual and CFR purposed. The DLC (FR), Keonjhar convinced that:-

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **26.302 Hectares** forest land proposed for diversion in village Khuntapani & Banspani as revealed from the proceedings of the Ward Sabha.
- The proposal for such diversion in vernacular/local language have been placed before each concerned Ward Sabha of forest dwellers, who are eligible under the FRA as revealed from the proceeding of the Ward Sabha.
- The concerned Ward Sabhas have 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 purpose and details of proposed diversion.
- It reveals from the enquiry report furnished by Revenue & Forest personnel the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Ward Sabh present.
- It reveals from the enquiry report furnished by Revenue & 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.
- 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 & Forest personnel.
- It reveals from the proceeding of the Ward Sabha of village that no ST or OTFD were in possession of the forest land proposed for diversion before 13.12.2005.
- Further it reveals from the Ward Sabha proceedings of the above villages that no tribal or OTFD are presently residing nor any title of rights has been granted under

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the ST & OTFD(RFR)Act,2006 to any tribal or OTFD on the Forest land proposed for diversion.

The DLC has examined the case and approved for issuance of FRA certificate in favour of Banspani Iron Ore Mines of OMC Limited

C) M/S JSW UTKAL STEEL LIMITED

On scrutiny of case record, it was found that the User's Agency have applied for compliance of ST & OTFD Act,2006 for diversion of forest land for establishment of Iron Ore Grinding & Beneficiation Unit at Gobardhanpur under Barbil Tahasil and establishment of intake well and water pumping station for the said unit to a tune of 56.06 Ac. The District Office instructed to the PA, ITDA, Keonjhar-cum-Dist. Nodal Officer, FRA vide letter No.2101/Rev. dt.20.12.18 to enquire into the details of the matter pertaining to settlement of rights under FRA in the forest area involved in the project.. The PA,ITDA, Keonjhar had forwarded the proposal to the Tahasildar Barbil vide letter No.3449/ITDA/Dt.29.12.18 with a request to enquiry the matter on settlement rights under FRA and obtain consent of Gram Sabha in the light of observation of Secy.,MoTA,Govt.of India and submit report to the SDLC,Champua

The SDLC,Champua in their meeting held on 7.11.19 furnished certificate ensuring attendance of more that 50% of voters of the concerned villages and verifying the signatures /ITI of the participants duly attested with reference to Electoral Roll of the village. The SDLC further certified that the ST & OTFD(RFR) Act,2006 and amendment rule,2012 has been ensured in respect of villages Banspani & Khuntapani and there is no claim either individual and community on the forest land proposed for diversions in the respective villages. For better appreciation of the DLC,the details of village,extent of land & other relevant information concerning diversion of forest land measuring an area of 55.97 Ac or

22.671 Ha. of User's Agency JSW Utkal Steel Ltd...

Name of the village/ Mouza	Extent of land apply (in Ac)	Kisam of the land	Date of Gram Sabha when the diversion proposal approved	No.of Voters as per Electoral roll	No.of Voters signed in the Gram Sabha	Whether genuineness of voters verified with reference of Sl.No.of Electoral roll by authorized Govt. official in Gram Sabha	Whether joint verification certificate is countersigned by the Chairman SDLC
Lahanda	38.59	Jungle	13.9.19	824	455	yes	Yes

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Gobardhanpur	5.35	Jungle	7.9.19	555	351	yes	Yes
Kandara	2.570	Jungle	6.9.19	1028	522	yes	Yes
Bhagalpur	9.46	Jungle	5.9.19	433	220	yes	yes
	55.97 Ac. Or 22.671 Hc.						

The diversion proposals submitted after approval in SDLC held on dated 7.11.19. The detail land schedule duly signed by Tahasildar, Barbil and Forest Range Officer, Barbil. Considering the (i) approval of the Gram Sabha of respective village, (ii) recommendation of SDLC, Champua dtd. 7.11.19 (iii) Joint verification certificates ensuring participation of more than 50% of the voters of the villages and "No claim" either Individual or Community on the proposed Forest land under ST & OTFD (RFR) Act, 2006 & Rules there under, (iv) land particulars for proposed diversion land jointly signed by Tahasildar, Barbil (v) Enquiry report signed by Sub-Collector, Champua Tahasildar, Barbil, Forest Range Officer, Barbil, President of FRC Committee of the concerned village (vi) proceedings of SDLC, Champua held on 7.11.19, (vii) and the certification about no claim over the proposed land by ST, PTG & OTFD under FR Act for individual and CFR purposed. The D.L.C (FR), Keonjhar convinced that:-

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **55.97 Ac or 26.671 Hc. Hectares** forest land proposed for diversion in village Bhagalpur, Lahanda, Kandara & Gobardhanpur as revealed from the proceedings of the Gram Sabha.
- The proposal for such diversion in vernacular/local language have been placed before each concerned Gram Sabha of forest dwellers, who are eligible under the FRA, as revealed from the proceeding of the Gram Sabha.
- The concerned Gram Sabhas have 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 purpose and details of proposed diversion.
- It reveals from the enquiry report furnished by Revenue & Forest personnel the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabh present.

- m) It reveals from the enquiry report furnished by Revenue & 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.
- n) 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 & Forest personnel.
- o) It reveals from the proceeding of the Gram Sabha of village that no ST or OTFD were in possession of the forest land proposed for diversion before 13.12.2005.
- p) Further it reveals from the Gram Sabha proceedings of the above villages that no tribal or OTFD are presently residing nor any title of rights has been granted under the ST & OTFD(RFR) Act, 2006 to any tribal or OTFD on the Forest land proposed for diversion.

The DLC has examined the case and approved for issuance of FRA certificate in favour of M/s JSW Utkal Steel Ltd.

D) M/s RUNGTA MINES LIMITED

On scrutiny of case record, it was found that the User's Agency have applied for compliance of ST & OTFD Act, 2006 for diversion of forest land to a tune of 31.806 Ha. for Construction of 132 KV Transmission line from Kamanda Steel Plant of M/s Rungta Mines Limited. The District Office instructed to the PA, ITDA, Keonjhar-cum-Dist. Nodal Officer, FRA vide letter No.1312/Rev. dt.9.10.19 to enquire into the details of the matter pertaining to settlement of rights under FRA in the forest area involved in the project. The PA, ITDA, Keonjhar had forwarded the proposal to the Tahasildar, Barbil vide letter No.4472/ITDA/Dt.25.10.19 with a request to enquire the matter and submit findings in form No.1 meant for Linear projects.

Necessary inquiry reports in form No.(1) has been submitted by the Tahasildar, Barbil vide No.4607/dt.16.11.19. The Sub-Collector, Champua-cum-Chairman, SDLC has forwarded same after approval of SDLC held on 16.12.19.

The DLC examined the reports vis-à-vis the case proposal and approved the same for issuance of FRA certificate in favour of the User Agency M/s Rungta Mines Limited



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As per decision of the DLC and the approvals given, the PA,ITDA, Keonjhar-cum- District Nodal Officer, FRA was directed to submit the original documents of M/s Jagannath Steel & Power Ltd/ Orissa Mining Corporation Limited/ M/s JSW Utkal Steel Ltd and M/s Rungta Mines Limited to the Collector & District Magistrate, Keonjhar for issuance of Certificate regarding compliance of STs & OTFDs (RFR) Act,2006 & Rules there under.

The meeting ended with a vote of thanks to the Chair as well as to the participants.


21/2020
PA, ITDA, KEONJHAR
KEONJHAR


03.01.2020
ADDL DISTRICT MAGISTRATE
KEONJHAR


COLLECTOR, KEONJHAR

Sl. No.	Case Record No	NAME OF THE BENEFICIARY	Caste	Block	G.P	Khata No	Plot No	Kissam	VILLAGE	AREA IN ACRES	
										Gharabari	Total
1	9353/17	NARAN HEMBRAM RAMA HEMBRAM	SANTAL	HATADIHI	BALIBAREI	588 105/8	G.J.		BALIBAREI	0.04	0.04
2	9352/17	BISWANATH MURMU S/O- LT BIRRAM MURMU	SANTAL	HATADIHI	BALIBAREI	588 52/4	G.J.		BALIBAREI	0.04	0.04
3	9311/17	SIDA KISKU S/O- LT DUGU KISKU SHYAMSUNDAR HANSDA S/O- TUKULU HANSDA	SANTAL	HATADIHI	BALIBAREI	588 42/5	G.J.		BALIBAREI	0.03	0.03
4	9275/17	JAYRAM MAJHI S/O- LT DHARAJAMA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 46/4	G.J.		BALIBAREI	0.03	0.03
5	9349/17	NARAN HD S/O- LT TUNIA HO SAMA HEMBRAM S/O- LT NARAN HEMBRAM	SANTAL	HATADIHI	BALIBAREI	588 2/13	G.J.		BALIBAREI	0.04	0.04
6	9296/17	CHOTRAI SOREN S/O- LT RAMDAS SOREN	KOLHA	HATADIHI	BALIBAREI	588 105/1	G.J.		BALIBAREI	0.04	0.04
7	9277/17	REKHA KISKU S/O- LT SAKALA FAGU MURMU S/O- BUKRAM MURMU	SANTAL	HATADIHI	BALIBAREI	588 105/5	G.J.		BALIBAREI	0.04	0.04
8	9304/17	SINGRAI SUREN S/O- LT GOBINDA SOREN	SANTAL	HATADIHI	BALIBAREI	588 288/15	G.J.		BALIBAREI	0.04	0.04
9	9282/17	LAKHMAN MAJHI S/O- LT JUHARI MAJHI	KOLHA	HATADIHI	BALIBAREI	588 42/2	G.J.		BALIBAREI	0.03	0.03
10	9355/17	MATI HEMBRAM W/O- LT NARAN HEMBRAM	SANTAL	HATADIHI	BALIBAREI	588 52/3	G.J.		BALIBAREI	0.03	0.03
11	9340/17	RAMESH HO S/O- NARAN HO DUKHIA MAJHI S/O- LT SAUNA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 588/14	G.J.		BALIBAREI	0.04	0.04
12	9302/17	CHAITAN MURMU S/O- LT KISLIN MURMU	SANTAL	HATADIHI	BALIBAREI	588 52/5	G.J.		BALIBAREI	0.04	0.04
13	9274/17	RAMACHANDRA HO S/O- LT NARAYAN HO	KOLHA	HATADIHI	BALIBAREI	588 105/6	G.J.		BALIBAREI	0.04	0.04
14	9292/17	JADU MURMU S/O- LT KISUN MURMU	SANTAL	HATADIHI	BALIBAREI	588 105/3	G.J.		BALIBAREI	0.04	0.04
15	9300/17	JABA BESHRA W/O- DAKHINA BESHRA	SANTAL	HATADIHI	BALIBAREI	588 52/9	G.J.		BALIBAREI	0.04	0.04
16	9305/17	JHULA KISKU S/O- SAKAL KISKU	SANTAL	HATADIHI	BALIBAREI	588 288/13	G.J.		BALIBAREI	0.04	0.04
17	9288/17		KOLHA	HATADIHI	BALIBAREI	588 105/4	G.J.		BALIBAREI	0.04	0.04
18	9334/17		SANTAL	HATADIHI	BALIBAREI	588 52/2	G.J.		BALIBAREI	0.04	0.04
19	9329/17		SANTAL	HATADIHI	BALIBAREI	588 288/12	G.J.		BALIBAREI	0.04	0.04
20	9286/17		SANTAL	HATADIHI	BALIBAREI	588 42/3	G.J.		BALIBAREI	0.03	0.03

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1	9317/17	MAHENDRA MURMU S/O- LT KISUN KISU	SANTAL	HATADEHI	BALIBAREI	588 52/7	G.J.	BALIBAREI		0.04	0.04
2	9319/17	SUNARAM HANSDA S/O- GANJEI HANSDA	SANTAL	HATADEHI	BALIBAREI	588 288/12	G.J.	BALIBAREI		0.04	0.04
3	9343/17	UDAY MAJHI S/O- LT RAMA MAJHI BHATA MURMU S/O- LT KISUN MURMU	SANTAL	HATADEHI	BALIBAREI	588 52/1	G.J.	BALIBAREI		0.04	0.04
4	9337/17	JANAKI HO W/O- DHARAMA HO	KOLHA	HATADEHI	BALIBAREI	588 52/8	G.J.	BALIBAREI		0.04	0.04
5	9346/17	GOBINDA KISU S/O- SIDA KISU BARS MURMU S/O- IJHAR MURMU	SANTAL	HATADEHI	BALIBAREI	588 105/7	G.J.	BALIBAREI		0.04	0.04
6	9314/17	RAMA MARANDI S/O- SANKAR MARANDI	SANTAL	HATADEHI	BALIBAREI	588 42/4	G.J.	BALIBAREI		0.03	0.03
7	9335/17	FAGU MAJHI S/O- LT KHELA MAJHI JAYRAM HANSDA S/O- TUKULU HANSDA	SANTAL	HATADEHI	BALIBAREI	588 273/4	G.J.	BALIBAREI		0.04	0.04
8	9279/17	KANHU TUDU S/O- LT RAMA TUDU GHANA HO S/O- NARAN HO	SANTAL	HATADEHI	BALIBAREI	588 289/1	G.J.	BALIBAREI		0.04	0.04
9	9323/17	MAYA MAJHI S/O- HENANT MAJHI SOHAGI HANSDA W/O- JAYRAM HANSDA	SANTAL	HATADEHI	BALIBAREI	588 350/8	G.J.	BALIBAREI		0.05	0.05
10	9278/17	RAMA MURMU S/O- LT BHUNDA MURMU	SANTAL	HATADEHI	BALIBAREI	588 46/5	G.J.	BALIBAREI		0.03	0.03
11	9276/17	BHULANGA BESHRA S/O- JABA BESHRA	SANTAL	HATADEHI	BALIBAREI	588 390/3	G.J.	BALIBAREI		0.04	0.04
12	9284/17	BAPUNU MAJHI S/O- LT RATAN MAJHI	SANTAL	HATADEHI	BALIBAREI	588 105/2	G.J.	BALIBAREI		0.04	0.04
13	9344/17	BIKRAM MAJHI S/O- FUDAN MAJHI	SANTAL	HATADEHI	BALIBAREI	588 2/1	G.J.	BALIBAREI		0.04	0.04
14	9331/17	DUGU SOREN S/O- SINGRAI SOREN LALMOHAN MAJHI S/O- THAKUR MAJHI	SANTAL	HATADEHI	BALIBAREI	588 52/2	G.J.	BALIBAREI		0.04	0.04
15	9350/17	BIKRAM MAJHI S/O- BHIMA MAJHI GANJEI MAJHI S/O- LT SUNARAM MAJHI	SANTAL	HATADEHI	BALIBAREI	588 390/1	G.J.	BALIBAREI		0.04	0.04
16	9326/17		SANTAL	HATADEHI	BALIBAREI	588 288/7	G.J.	BALIBAREI		0.04	0.04
17	9341/17		SANTAL	HATADEHI	BALIBAREI	588 2/3	G.J.	BALIBAREI		0.08	0.08
18	9339/17		SANTAL	HATADEHI	BALIBAREI	588 288/6	G.J.	BALIBAREI		0.04	0.04
19	9316/17		SANTAL	HATADEHI	BALIBAREI	588 390/2	G.J.	BALIBAREI		0.04	0.04
20	9303/17		SANTAL	HATADEHI	BALIBAREI	588 288/9	G.J.	BALIBAREI		0.04	0.04
21	9330/17		SANTAL	HATADEHI	BALIBAREI	588 288/10	G.J.	BALIBAREI		0.04	0.04
22	9272/17		SANTAL	HATADEHI	BALIBAREI	588 42/1	G.J.	BALIBAREI		0.03	0.03

43	9351/17	RUPI TUDU W/O- LT RUPEI TUDU	SANTAL	HATADIHI	BALIBAREI	588 12	G.J.	BALIBAREI	0.04	0.04
44	9298/17	BADAL MAJHI S/O- KUNAR MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/9	G.J.	BALIBAREI	0.04	0.04
45	9355/17	BIKRAM MAJHI S/O- LT KHILA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 46/1	G.J.	BALIBAREI	0.04	0.04
46	9281/17	FULA MAJHI W/O- LT JUJHAR MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/2	G.J.	BALIBAREI	0.04	0.04
47	9318/17	CHAITANYA MURMU S/O- JUJHAR MURMU	SANTAL	HATADIHI	BALIBAREI	588 273/3	G.J.	BALIBAREI	0.04	0.04
48	9306/17	LUSKI MAJHI W/O- LT DURGA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/12	G.J.	GOHIRABANI	0.04	0.04
49	9336/17	SHYAM TUDU S/O- DAKSHINA TUDU	SANTAL	HATADIHI	BALIBAREI	276/3510/ 588 13	G.J.	BALIBAREI	0.04	0.04
50	9295/17	HISI MAJHI W/O- BARIAL MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/3	G.J.	BALIBAREI	0.04	0.04
51	9327/17	SAMEI MURMU S/O- SUREI MURMU	SANTAL	HATADIHI	BALIBAREI	588 273/2	G.J.	BALIBAREI	0.04	0.04
52	9357/17	KHSETRABASI MAJHI S/O- SAGRIMA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/7	G.J.	GOHIRABANI	0.04	0.04
53	9358/17	RUPI TUDU W/O- SHYAM TUDU	SANTAL	HATADIHI	BALIBAREI	276/3510/ 588 17	G.J.	BALIBAREI	0.04	0.04
54	9287/17	SALGE MAJHI W/O- THAKUR MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/4	G.J.	BALIBAREI	0.04	0.04
55	9315/17	JUJHAR MURMU S/O- LEMBUA MURMU	SANTAL	HATADIHI	BALIBAREI	588 373/1	G.J.	BALIBAREI	0.04	0.04
56	9322/17	GHASIRAM MAJHI S/O- SAGRIM MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/6	G.J.	GOHIRABANI	0.04	0.04
57	9324/17	SANGRAM TUDU S/O- SHYAM TUDU	SANTAL	HATADIHI	BALIBAREI	276/3510/ 588 16	G.J.	BALIBAREI	0.04	0.04
58	9289/17	HARI MAJHI S/O- KUNAR MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/5	G.J.	BALIBAREI	0.04	0.04
59	9294/17	SAUNA MAJHI S/O- DUKHIA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/11	G.J.	GOHIRABANI	0.04	0.04
60	9308/17	DHANI MAJHI W/O- SUNARAM MAJHI	SANTAL	HATADIHI	BALIBAREI	588 46/3	G.J.	BALIBAREI	0.04	0.04
61	9328/17	SALURAM TUDU S/O- LT SHYAM TUDU	SANTAL	HATADIHI	BALIBAREI	276/3510/ 588 15	G.J.	BALIBAREI	0.04	0.04
62	9291/17	DASAR MAJHI S/O- KUNAR MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/6	G.J.	BALIBAREI	0.04	0.04
63	9290/17	SAMEI MAJHI S/O- DUKHIA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 2/10	G.J.	GOHIRABANI	0.04	0.04

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64	9320/17	JAYRAM MAJHI S/O- KHELA MAJHI	SANTAL	HATADEHI	BALIBAREI	588 46/2	G.J.	SALIBAREI		0.04	0.04
65	9333/17	SHYAM TUDU S/O-KARAN TUDU	SANTAL	HATADEHI	BALIBAREI	588 14	G.J.	BALIBAREI		0.04	0.04
66	9293/17	MOCHIRAM MAJHI S/O-KUANR MAJHI	SANTAL	HATADEHI	BALIBAREI	588 289/7	G.J.	BALIBAREI		0.04	0.04
67	9345/17	SITA BESHRA W/O-LAXMAN BESHRA	SANTAL	HATADEHI	BALIBAREI	588 390/1	G.J.	BALIBAREI		0.04	0.04
68	9347/17	SANAI MAJHI S/O- LT. RATAN MAJHI	SANTAL	HATADEHI	BALIBAREI	588 2/2	G.J.	GOHIRABANI		0.04	0.04
69	9338/17	RAGHUNATH HEMBRAM S/O- LT. SAMAI HEMBRAM	SANTAL	HATADEHI	BALIBAREI	588 4	G.J.	BALIBAREI		0.04	0.04
70	9297/17	FAGUA MAJHI S/O- LUTHU MAJHI	SANTAL	HATADEHI	BALIBAREI	588 289/8	G.J.	BALIBAREI		0.04	0.04
71	9342/17	PARBATI MAJHI W/O- LT. BISU MAJHI	SANTAL	HATADEHI	BALIBAREI	588 390/5	G.J.	BALIBAREI		0.04	0.04
72	9307/17	SURYA MAJHI S/O- KUANR MAJHI	SANTAL	HATADEHI	BALIBAREI	588 2/5	G.J.	BALIBAREI		0.04	0.04
73	9321/17	KARAN TUDU S/O- SITARAM TUDU	SANTAL	HATADEHI	BALIBAREI	588 11	G.J.	BALIBAREI		0.04	0.04
74	9285/17	NIMAR MAJHI S/O- LT. BIKRAM MAJHI	SANTAL	HATADEHI	BALIBAREI	588 289/9	G.J.	BALIBAREI		0.04	0.04
75	9312/17	JUJAR MURMU S/O- LT. LUGU MURMU	SANTAL	HATADEHI	BALIBAREI	588 273/7	G.J.	BALIBAREI		0.04	0.04
76	9280/17	KUNA MAJHI S/O- KUANR MAJHI	SANTAL	HATADEHI	BALIBAREI	588 2/4	G.J.	BALIBAREI		0.04	0.04
77	9354/17	KARAN TUDU S/O- JHILA TUDU	SANTAL	HATADEHI	BALIBAREI	588 8	G.J.	BALIBAREI		0.04	0.04
78	9283/17	RENJA MAJHI S/O- LT. CHOTRA MAJHI	SANTAL	HATADEHI	BALIBAREI	588 289/10	G.J.	BALIBAREI		0.04	0.04
79	9332/17	CHHOTRAI MURMU S/O- SULAI MURMU	SANTAL	HATADEHI	BALIBAREI	588 273/6	G.J.	BALIBAREI		0.04	0.04
80	9225/17	SURENDRA MAJHI S/O- SANINGRAM MAJHI	SANTAL	HATADEHI	BALIBAREI	588 2/8	G.J.	BALIBAREI		0.04	0.04
81	9248/17	FULA TUDU W/O- LT. SHYAM TUDU	SANTAL	HATADEHI	BALIBAREI	588 7	G.J.	BALIBAREI		0.04	0.04
82	9299/17	PRADHAN MAJHI S/O- BHIMA MAJHI	SANTAL	HATADEHI	BALIBAREI	588 285/16	G.J.	BALIBAREI		0.04	0.04
83	9309/17	SUREI MURMU S/O- LT. SIRAFANI MURMU	SANTAL	HATADEHI	BALIBAREI	588 273/5	G.J.	BALIBAREI		0.04	0.04
84	9310/17	SITARAM TUDU S/O- LT. RUPEI TUDU	SANTAL	HATADEHI	BALIBAREI	588 10	G.J.	BALIBAREI		0.04	0.04

85	9301/17	THAKUR MAJHI S/O- LALMCHAN MAJHI	SANTAL	HATADIHI	BALIBAREI	588 289/17	G.J.	BALIBAREI	0.04	0.04
86	9273/17	CHUDAMANI MAJHI S/O- LT FUDAM MAJHI	SANTAL	HATADIHI	BALIBAREI	588 390/6	G.J.	BALIBAREI	0.04	0.04
87	9313/17	MINA MAJHI W/O- LT FAGUA MAJHI	SANTAL	HATADIHI	BALIBAREI	588 390/7	G.J.	BALIBAREI	0.04	0.04
		TOTAL							0.04	3.45

SUB-COLLECTOR
ANANDAPUR

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1	9229/17	✓	PANERHU SOREN S/O- LATE ASHA SOREN	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/14	G.J.	TANTIAMARA		0.07	0.07
2	9228/17	✓	RAMAI HANSDA S/O- BHILU HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 133/1	G.J.	PANCHUGOCHHIA		0.05	0.06
3	9242/17	✓	DASARATHI HEMBRAM S/O- RAGHU HEMBRAM	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/10	G.J.	SAMUKANENDI		0.07	0.07
4	9222/17	✓	KARUNAKAR HANSDA S/O- RAMAI HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 133/5	G.J.	PANCHUGOCHHIA		0.08	0.08
5	9219/17	✓	PAYA HANSDA S/O- DURGA HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 40/1	G.J.	PANCHUGOCHHIA		0.04	0.04
6	9225/17	✓	JABA HEMBRAM W/O- KULAM HEMBRAM	SANTAL	GHASIPURA	KHALIAMENTA	180 113/2	G.J.	PANCHUGOCHHIA		0.10	0.10
7	9223/17	✓	BISWANATH HEMBRAM S/O- LATE KUANR HEMBRAM	SANTAL	GHASIPURA	KHALIAMENTA	180 113/4	G.J.	PANCHUGOCHHIA		0.09	0.09
8	9220/17	✓	SUDAN MURMU S/O- TIBU MURMU	SANTAL	GHASIPURA	KHALIAMENTA	182 1200/3	G.J.	PANCHUGOCHHIA		0.03	0.03
9	9229/17	✓	KANDRI TUDU S/O- DAMA TUDU	SANTAL	GHASIPURA	KHALIAMENTA	182 1200/1	G.J.	PANCHUGOCHHIA		0.03	0.03
10	9217/17	✓	PARAMESWAR HANSDA S/O- KARUNAKAR HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 133/4	G.J.	CHAMARPOSI		0.06	0.06
11	9224/17	✓	SUMITRA HANSDA W/O- PARAMESWAR HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 133/3	G.J.	PANCHUGOCHHIA		0.07	0.07
12	9218/17	✓	DURGA HANSDA S/O- SHYAM HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 40/2	G.J.	PANCHUGOCHHIA		0.04	0.04
13	9226/17	✓	RAIMANI HEMBRAM S/O- LATE BIJAY KU HEMBRAM	SANTAL	GHASIPURA	KHALIAMENTA	180 113/1	G.J.	PANCHUGOCHHIA		0.15	0.15
14	9227/17	✓	KARUNAKAR SOREN S/O- PHAGU SOREN	SANTAL	GHASIPURA	KHALIAMENTA	182 1200/2	G.J.	PANCHUGOCHHIA		0.03	0.03
15	9220/17	✓	SUNARAM HANSDA S/O- BHILU HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	180 133/2	G.J.	PANCHUGOCHHIA		0.08	0.08
16	9221/17	✓	TULASI HEMBRAM W/O- KUANJI HEMBRAM	SANTAL	GHASIPURA	KHALIAMENTA	180 113/3	G.J.	PANCHUGOCHHIA		0.08	0.08
17	9235/17	✓	LAXMAN MURMU S/O- RUPEI MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/9	G.J.	TANTIAMARA		0.05	0.05
18	9237/17	✓	BRAJABANDHU MURMU S/O- DHANA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/13	G.J.	TANTIAMARA		0.08	0.08
19	9256/17	✓	MALADE MURMU S/O- BIJU MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/33	G.J.	SAMUKANENDI		0.08	0.08
20	9262/17	✓	BIPIN MURMU S/O- MASANGA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	0/22		SARABAHAI		0.19	0.19
21	9255/17	✓	JUDHISTIRA HANSDA S/O- BASANTI HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	1		SARABAHAI		0.11	0.11
22	9250/17	✓	KIRTAN SOREN S/O- DHIREN SOREN	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/36	G.J.	SARABAHAI		0.05	0.05

23	9261/17	JASMIN DEI W/O- MARISA HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/37	G.J.	SAMUKANENDI	0.08	0.08
24	9258/17	NAIKA KISKU S/O- KARA KISKU	SANTAL	GHASIPURA	BHANDARIDIHA	0/12		BARABAI-ALI	0.11	0.11
25	9259/17	SHAMPA HANSDA W/O- MIANSINGH HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA			SAMUKANENDI	0.05	0.05
26	9257/17	SALAHAN MURMU S/O- BASTA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/19	G.J.	SAMUKANENDI	0.05	0.05
27	9233/17	SALUK SOREN S/O- CHHUNU SOREN	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/35	G.J.	SAMUKANENDI	0.05	0.06
28	9249/17	SAMUNATH HANSDA S/O- SUGUDA HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	293 495/3	G.J.	SAMUKANENDI	0.04	0.04
29	9248/17	SURENDRA KISKU S/O- SURIYAMANI KISKU	SANTAL	GHASIPURA	BHANDARIDIHA	0/75	RF	SAMUKANENDI	0.32	0.32
30	9240/17	RANJAN KU HANSDA S/O- LAXMAN HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	0/44	RF	SAMUKANENDI	0.33	0.33
31	9241/17	MANGAL MURMU S/O- RAMESH MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 8/5	G.J.	SAMUKANENDI	0.09	0.09
32	9243/17	CHHOTRAI MARANDI S/O- BHAGABAT MARANDI	SANTAL	GHASIPURA	BHANDARIDIHA	293 30/3	G.J.	SAMUKANENDI	0.06	0.05
33	9234/17	UDAYANATH MURMU S/O- THAKURA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 30/11	G.J.	SAMUKANENDI	0.06	0.06
34	9244/17	LAXMAN SOREN S/O- THAKURA SOREN	SANTAL	GHASIPURA	BHANDARIDIHA	293 30/11	G.J.	BATHAJALA	0.07	0.07
35	9236/17	BARSA HEMBRAM S/O- ANAND HEMBRAM	SANTAL	GHASIPURA	BHANDARIDIHA	293 8/4	G.J.	BATHAJALA	0.06	0.06
36	9232/17	FUDAN MURMU S/O- DAMAN MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 9/3	G.J.	BATHAJALA	0.08	0.08
37	9231/17	PADMANAV MURMU S/O- NAYAN MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 30/31	G.J.	BATHAJALA	0.05	0.05
38	9254/17	DUKHINI MURMU W/O- SALEHAN MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293 30/1	G.J.	SAMUKANENDI	0.05	0.06
39	9235/17	SALHU HEMBRAM S/O- ANAND HEMBRAM	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/24	G.J.	SAMUKANENDI	0.06	0.06
40	9267/17	HIRA SOREN W/O- SHYAM SUNDAR SOREN	SANTAL	GHASIPURA	BHANDARIDIHA	293 8/2	G.J.	SAMUKANENDI	0.07	0.07
41	9269/17	JADU TUDU S/O- BAIDYANATH TUDU	SANTAL	GHASIPURA	BHANDARIDIHA	45	RF	SAMUKANENDI	0.30	0.30
42	9263/17	RAMA MURMU S/O- MINA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	55	RF	SAMUKANENDI	0.20	0.20
43	9250/17	SANKAR MARANDI S/O- BUDHU MARANDI	SANTAL	GHASIPURA	BHANDARIDIHA	293 282/38	G.J.	SAMUKANENDI	0.06	0.06
44	9270/17	SALBA HANSDA S/O- AJUN HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	69	RF	SAMUKANENDI	0.24	0.24
			SANTAL	GHASIPURA	BHANDARIDIHA	66	RF	SAMUKANENDI	0.20	0.20

45	9271/17	SHYAM SOREN S/O-SALKHAN SOREN	SANTAL	GHASIPURA	BHANDARIDIHA			RF		SAMUKANENDI		0.20	0.20
46	9251/17	PALLU SOREN S/O- CHAMPEI SOREN	SANTAL	GHASIPURA	BHANDARIDIHA		54	RF		SAMUKANENDI		0.30	0.30
47	9252/17	DURGA HANSDA S/O- BANSINGH HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA			49	RF	SAMUKANENDI		0.24	0.24
48	9258/17	BHAGABAT MURMU S/O- DATT MURMU	SANTAL	GHASIPURA	BHANDARIDIHA			63	RF	SAMUKANENDI		0.20	0.20
49	9256/17	JABA HANSDA S/O- CHANDRAMCHAN HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA			47	RF	SAMUKANENDI		0.10	0.10
50	9254/17	GOURI HANSDA W/O- DURGA HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA			43	RF	SAMUKANENDI		0.20	0.20
51	9253/17	KALANDI MARANDI S/O- BUDHU MARANDI	SANTAL	GHASIPURA	BHANDARIDIHA			57	RF	JAMLIBAHALI		0.13	0.13
52	9265/17	DHANESWAR MARANDI S/O- MOHAN MARANDI	SANTAL	GHASIPURA	BHANDARIDIHA	293	282/1	G.J.		SAMUKANENDI		0.05	0.05
53	9245/17	BABULA MURMU S/O- LATE MANGALA MURMU	SANTAL	GHASIPURA	BHANDARIDIHA	293	9/4	G.J.		SAMUKANENDI		0.07	0.07
54	9246/17	SHYAM TUDU S/O- SANGRAM TUDU	SANTAL	GHASIPURA	BHANDARIDIHA	293	5/8	G.J.		SAMUKANENDI		0.05	0.05
55	9247/17	DHARM CHANDRA HANSDA S/O- LATE LAXMAN HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	293	9/5	G.J.		BATHAJALA		0.06	0.06
56	9198/17	RAMACHANDRA TUDU S/O- BARIAL TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348	623/1	G.J.		CHAMARPOSI		0.11	0.11
57	9210/17	SUMI KARUA W/O- SANATAN KARUA	SANTAL	GHASIPURA	KHALIAMENTA	348	623/17	G.J.		CHAMARPOSI		0.11	0.11
58	9209/17	KAMAL DOLA MARANDI S/O- SUNDUBA MARANDI	SANTAL	GHASIPURA	KHALIAMENTA	348	173/2	G.J.		CHAMARPOSI		0.10	0.10
59	9216/17	SUKANT MURMU S/O- MAIRA MURMU	SANTAL	GHASIPURA	KHALIAMENTA	345	623/18	G.J.		CHAMARPOSI		0.08	0.08
60	9201/17	SUNDURA TUDU S/O- DURGA CHARAN TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348	640/1	G.J.		CHAMARPOSI		0.04	0.04
61	9213/17	SURENDRA MURMU S/O- BHAGABAN MURMU	SANTAL	GHASIPURA	KHALIAMENTA	345	623/8	G.J.		CHAMARPOSI		0.04	0.04
62	9194/17	DASARATH SOREN S/O- RAMA SOREN	SANTAL	GHASIPURA	KHALIAMENTA	348	623/7	G.J.		CHAMARPOSI		0.07	0.07
63	9200/17	BAHADUR TUDU S/O- DURGA TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348	640/4	G.J.		CHAMARPOSI		0.04	0.04
64	9195/17	UGRAM SOREN S/O- KARA SOREN	SANTAL	GHASIPURA	KHALIAMENTA	348	623/15	G.J.		CHAMARPOSI		0.09	0.09
65	9196/17	DHRUBA CHARAN TUDU S/O- BARIAL TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348	623/2	G.J.		CHAMARPOSI		0.11	0.11

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66	9212/17	SAKALA TUDU S/O- DASIKAT TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/5	G.J.	CHAMARPOSI	0.08	0.08
67	9215/17	KALIAN TUDU S/O- MUTHA TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/9	G.J.	CHAMARPOSI	0.09	0.09
68	9197/17	JABA MURMU W/O- KARA MURMU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/45	G.J.	CHAMARPOSI	0.05	0.06
69	9211/17	DHARMAPAD MARANDI S/O- SUNDURA MARANDI	SANTAL	GHASIPURA	KHALIAMENTA	348 173/1	G.J.	CHAMARPOSI	0.10	0.10
70	9190/17	KALANDI HANSDA S/O- CHANDU HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	348 623/12	G.J.	CHAMARPOSI	0.08	0.08
71	9204/17	SALKHU TUDU S/O- BARIAL TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/14	G.J.	CHAMARPOSI	0.10	0.10
72	9203/17	BABULA TUDU S/O- SHYAM TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/47	G.J.	CHAMARPOSI	0.02	0.02
73	9205/17	BARIAL TUDU S/O- DURGHA CHARAN TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 640/5	G.J.	CHAMARPOSI	0.04	0.04
74	9214/17	NARAN HANSDA S/O- BIRIA HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	348 623/13	G.J.	CHAMARPOSI	0.07	0.07
75	9193/17	RATH HANSDA S/O- CHANDU HANSDA	SANTAL	GHASIPURA	KHALIAMENTA	348 623/16	G.J.	CHAMARPOSI	0.09	0.09
76	9207/17	SASTRI SUNDI S/O- TITU SUNDI	SANTAL	GHASIPURA	KHALIAMENTA	348 623/3	G.J.	CHAMARPOSI	0.08	0.08
77	9202/17	BHIMA TUDU S/O- DURGHA CHANRAN TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 640/2	G.J.	CHAMARPOSI	0.04	0.04
78	9206/17	SINGRAY MURMU S/O- ANANTA MURMU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/43	G.J.	CHAMARPOSI	0.04	0.04
79	9191/17	BHAGABAN MURMU S/O- SURENDRA MURMU	SANTAL	GHASIPURA	KHALIAMENTA	348 623/10	G.J.	PANCHUGOCHHA	0.10	0.10
80	9208/17	PAGA SUNDI S/O- TITU SUNDI	SANTAL	GHASIPURA	KHALIAMENTA	348 623/4	G.J.	CHAMARPOSI	0.08	0.08
81	9192/17	SUNARAM SOREN S/O- SAVA SOREN	SANTAL	GHASIPURA	KHALIAMENTA	348 623/6	G.J.	CHAMARPOSI	0.04	0.04
82	9199/17	PITAMBAR TUDU S/O- DURGHA CHARAN TUDU	SANTAL	GHASIPURA	KHALIAMENTA	348 640/3	G.J.	CHAMARPOSI	0.03	0.03
83	9253/17	GHASIRAM HANSDA S/O- ARLUN HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	34 RF		SAMUKANENDI	0.10	0.10
84	9254/17	SINGHUNATH HANSDA S/O- SUGUDA HANSDA	SANTAL	GHASIPURA	BHANDARIDIHA	71 RF		SAMUKANENDI	0.25	0.25
85	8693/16	BISWA PURTI S/O- FAKIR PURTI	SANTAL	GHASIPURA	BHANDARIDIHA	519 140/3	G.J.	KUNPADA	0.11	0.11
86	8720/16	RAMA PALIA S/O- NATH PALIA	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/18	G.J.	KUNPADA	0.09	0.09
87	8701/16	BANAMALI BALMUCH S/O- BAYA BALMUCH	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/85	G.J.	KUNPADA	0.05	0.05
88	8747/16	BISWA PURTI S/O- LAXMAN PURTI	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/21	G.J.	KUNPADA	0.12	0.12

83	8726/16	BALARAM BIRUA S/O- GOBIND BIRUA	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/15	G.J.	KUNPADA	0.08	0.08
84	8712/16	SRIKANT PURTI S/O- LOCHAN PURTI	SANTAL	GHASIPURA	BHANDARIDIHA	622 31/7	G.J.	KUNPADA	0.08	0.08
85	8711/16	FAKIR PURTI S/O- LUMBA PURTI	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/40	G.J.	KUNPADA	0.10	0.10
86	8726/16	BUDHURAM BIRUA S/O- JAGU BIRUA	SANTAL	GHASIPURA	BHANDARIDIHA	619 140/6	G.J.	KUNPADA	0.06	0.06
87	8733/16	GHANA BIRUA S/O- BUDHURAM BIRUA	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/70	G.J.	KUNPADA	0.10	0.10
88	8625/16	JAGANNATH PURTI S/O- LATE DALE PURTI	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/84	G.J.	KUNPADA	0.08	0.08
89	8730/16	SURESH PALIA S/O- DHANESWAR PALIA	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/22	G.J.	KUNPADA	0.15	0.15
90	8729/16	PANDU PALIA S/O- NATH PALIA	SANTAL	GHASIPURA	BHANDARIDIHA	622 25/46	G.J.	KUNPADA	0.05	0.05
91	8727/16	KEDAR HEMBRAM S/O- LAMBARA HEMBRAM	HO	GHASIPURA	BHANDARIDIHA	622 25/42	G.J.	KUNPADA	0.08	0.08
92	8699/16	MANGULU SIDU S/O- DAMODAR SIDU	HO	GHASIPURA	BHANDARIDIHA	619 140/8	G.J.	KUNPADA	0.13	0.13
93	8749/16	DAMU BIRUA S/O- GOBINDA BIRUA	HO	GHASIPURA	BHANDARIDIHA	622 25/47	G.J.	KUNPADA	0.04	0.04
94	8715/16	RAMACHANDRA CHAMPIA S/O- GAHAMIA CHAMPIA	HO	GHASIPURA	BHANDARIDIHA	622 25/2	G.J.	KUNPADA	0.09	0.09
95	8832/16	KABITA SAI W/O- FAKIR SAI	HO	GHASIPURA	BHANDARIDIHA	622 31/7	G.J.	KUNPADA	0.09	0.09
96	8833/16	PRADHAN PURTI S/O- LUMBA PURTI	HO	GHASIPURA	BHANDARIDIHA	622 25/41	G.J.	KUNPADA	0.09	0.09
97	8835/16	GANESH SAI S/O- FAKIR SAI	HO	GHASIPURA	BHANDARIDIHA	622 25	G.J.	KUNPADA	0.05	0.05
98	8836/16	THAKUR SINGH SUNDI S/O- BISWANATH SUNDI	HO	GHASIPURA	BHANDARIDIHA	622 25	G.J.	KUNPADA	0.04	0.04
99	8840/16	MANIK SAI S/O- KIJANR SAI	HO	GHASIPURA	BHANDARIDIHA	619 67/1	G.J.	KUNPADA	0.04	0.04
100	8696/16	LACHHMAN SAI S/O- PRADHAN SAI	HO	GHASIPURA	BHANDARIDIHA	619 67/2	G.J.	KUNPADA	0.04	0.04
101	8689/16	BISWA BIRUA S/O- BUDHURAM BIRUA	HO	GHASIPURA	BHANDARIDIHA	622 25/25	G.J.	KUNPADA	0.08	0.08
102	8690/16	RABI PALIA S/O- SRIRAM PALIA	HO	GHASIPURA	BHANDARIDIHA	622 25/6	G.J.	KUNPADA	0.10	0.10
103	8691/16	SURESH PALIA S/O- SAMIA PALIA	HO	GHASIPURA	BHANDARIDIHA	622 25/37	G.J.	KUNPADA	0.10	0.10
104	8692/16	SUMEI CHAMPIA W/O- JAGANNATH CHAMPIA	HO	GHASIPURA	BHANDARIDIHA	622 25/44	G.J.	KUNPADA	0.05	0.05
105	8672/16	GANESH PURTI S/O- LAXMAN PURTI	HO	GHASIPURA	BHANDARIDIHA	622 25/24	G.J.	KUNPADA	0.16	0.16
106	8696/16	SRIRAM PALIA S/O- RAMA PALIA	HO	GHASIPURA	BHANDARIDIHA	619 77/2	G.J.	KUNPADA	0.04	0.04
107	8695/16	DHANESWAR PALIA S/O- SRIRAM PALIA	HO	GHASIPURA	BHANDARIDIHA	619 67/7	G.J.	KUNPADA	0.04	0.04

114	8788/16	SUJAN GUPTA W/O- NARAN GUPTA BUJHURAM HEMBRAM S/O- SUJAN HEMRAM	KOLHA	GHASIPURA	BHANDARIDIHA	0/33	RF	ASANBAHALI	0.05	0.05
115	8787/16		SANTAL	GHASIPURA	BHANDARIDIHA	0/32	RF	ASANBAHALI	0.15	0.15
116	8789/16	LAXMIDHAR PLITI S/O-DANTURI BHAHTAHARI BESHRA S/O-	HO	GHASIPURA	BHANDARIDIHA	0/80	RF	ASANBAHALI	0.07	0.07
117	8751/16	KANDARI	SANTAL	GHASIPURA	BHANDARIDIHA	0/2	RF	BASANTPURA	0.15	0.15
118	8752/16	SASHI PINGUA S/O- DAMA	HO	GHASIPURA	BHANDARIDIHA	0/7	RF	ASANBAHALI	0.06	0.06
119	8753/16	SUNIL TIRIA S/O- SURGI	HO	GHASIPURA	BHANDARIDIHA	0/73	RF	ASANBAHALI	0.08	0.08
120	8754/16	JUDHISTIRA HEMBRAM S/O- RAMA	HO	GHASIPURA	BHANDARIDIHA	0/1	RF	BASANTPURA	0.14	0.14
121	8755/16	KARDE HEMBRAM S/O- LUNIA	HO	GHASIPURA	BHANDARIDIHA	0/14	RF	ASANBAHALI	0.16	0.16
122	8756/16	KADAM DABAI S/O- TAIPAN	HO	GHASIPURA	BHANDARIDIHA	0/79	RF	ASANBAHALI	0.06	0.06
123	8757/16	DURYODHAN HEMBRAM S/O- MAROU	HO	GHASIPURA	BHANDARIDIHA	0/5	RF	BASANTPURA	0.10	0.10
124	8758/16	MADHU JAMUDA S/O-PRADHAN	HO	GHASIPURA	BHANDARIDIHA	0/56	RF	ASANBAHALI	0.05	0.05
125	8759/16	SOMIBARI HEMBRAM S/O- KRUSHNACHANDRA	HO	GHASIPURA	BHANDARIDIHA	0/68	RF	ASANBAHALI	0.08	0.08
126	8760/16	DURGA PINGUA S/O- DAMA	HO	GHASIPURA	BHANDARIDIHA	0/37	RF	ASANBAHALI	0.10	0.10
127	8761/16	ABINASH PINGUA S/O- DURGA	HO	GHASIPURA	BHANDARIDIHA	0/72	RF	ASANBAHALI	0.07	0.07
128	8766/16	RANJAN PINGUA S/O- GAYADHAR	HO	GHASIPURA	BHANDARIDIHA	0/85	RF	ASANBAHALI	0.10	0.10
129	8765/16	PATANA HEMBRAM S/O- RANA	HO	GHASIPURA	BHANDARIDIHA	0/63	RF	ASANBAHALI	0.05	0.05
130	8719/16	SUNA TIRIA S/O- GUNGA	HO	GHASIPURA	BHANDARIDIHA	0/34	RF	ASANBAHALI	0.15	0.15
131	8816/16	PUJNACHANDRA GUPTA S/O-KLINA	HO	GHASIPURA	BHANDARIDIHA	0/21	RF	ASANBAHALI	0.06	0.06
132	8817/16	PADHAN TALSEN S/O- Sajan	HO	GHASIPURA	BHANDARIDIHA	0/46	RF	ASANBAHALI	0.09	0.09
133	8762/16	SUBASH HEMBRAM S/O- CHANDRAJ	HO	GHASIPURA	BHANDARIDIHA	0/3	RF	BASANTPURA	0.15	0.15
134	8763/16	DURGA KALA S/O- CHENGA	HO	GHASIPURA	BHANDARIDIHA	0/31	RF	ASANBAHALI	0.04	0.04
135	8773/16	GIRISH CHATAR S/O- BARIJ	HO	GHASIPURA	BHANDARIDIHA	0/27	RF	ASANBAHALI	0.06	0.06
136	8772/16	RUTIA PINGUA S/O- GUNGA	HO	GHASIPURA	BHANDARIDIHA	0/25	RF	ASANBAHALI	0.07	0.07
137	8771/16	LACHMAN TAISAN S/O-GHANA	HO	GHASIPURA	BHANDARIDIHA	0/28	RF	ASANBAHALI	0.11	0.11
138	8785/16	MURALI TAISAN S/O- MADHU	HO	GHASIPURA	BHANDARIDIHA	0/9	RF	ASANBAHALI	0.10	0.10
139	8783/16	SARASWATI PINGUA S/O- LOCHAN	HO	GHASIPURA	BHANDARIDIHA	0/76	RF	ASANBAHALI	0.04	0.04
140	8780/16	RAJU TAISAN S/O- BINA	HO	GHASIPURA	BHANDARIDIHA	0/41	RF	ASANBAHALI	0.12	0.12
141	8781/16	GANESH CHATAR S/O- BUDHURAM	HO	GHASIPURA	BHANDARIDIHA	0/35	RF	ASANBAHALI	0.18	0.18
142	8782/16	DASA TAISAN S/O- GHANA	HO	GHASIPURA	BHANDARIDIHA	0/49	RF	ASANBAHALI	0.12	0.12
143	8786/16	SODAR CHATAR S/O- RAJENDRA	HO	GHASIPURA	BHANDARIDIHA	0/2	RF	ASANBAHALI	0.04	0.04

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144	8778/16	KAIRA HEMBRAM S/O- KENDE	HO	GHASIPURA	BHANDARIDIHA		0/71	RF	ASANBAHALI	0.09	0.05
145	8779/16	DAMBARU TIRIA S/O- GUNGA	HO	GHASIPURA	BHANDARIDIHA		0/40	RF	ASANBAHALI	0.14	0.14
146	8704/16	RAJENDRA HEMBRAM S/O- SUJAN	HO	GHASIPURA	BHANDARIDIHA		0/10	RF	ASANBAHALI	0.07	0.07
147	8824/16	GOSA HEMBRAM S/O- BABU	HO	GHASIPURA	BHANDARIDIHA		0/24	RF	ASANBAHALI	0.09	0.09
148	8823/16	BARJU CHATAR S/O- KUNA	HO	GHASIPURA	BHANDARIDIHA		0/43	RF	ASANBAHALI	0.16	0.16
149	8707/16	BUDHANSINGH SAE S/O- SURENDRA	HO	GHASIPURA	BHANDARIDIHA		0/64	RF	ASANBAHALI	0.21	0.21
150	8740/16	GANGA KALA W/O- SOMABARI	HO	GHASIPURA	BHANDARIDIHA		0/61	RF	ASANBAHALI	0.05	0.05
151	8776/16	NARAN GUVA S/O- KARIA	HO	GHASIPURA	BHANDARIDIHA		0/44	RF	ASANBAHALI	0.07	0.07
152	8767/16	DASA GUVA S/O- RUTIA	HO	GHASIPURA	BHANDARIDIHA		0/50	RF	ASANBAHALI	0.05	0.05
153	8768/16	KANHURAM CHATAR S/O- RAJENDRA	HO	GHASIPURA	BHANDARIDIHA		0/58	RF	ASANBAHALI	0.05	0.05
154	8769/16	GHANA TAIKAN S/O- LADA	HO	GHASIPURA	BHANDARIDIHA		0/42	RF	ASANBAHALI	0.16	0.16
155	8774/16	BABAJU HEMBRAM S/O- GUSA	HO	GHASIPURA	BHANDARIDIHA		0/23	RF	ASANBAHALI	0.14	0.14
156	8775/16	RAMA CHATAR S/O- BABAJU	HO	GHASIPURA	BHANDARIDIHA		0/16	RF	ASANBAHALI	0.07	0.07
157	8770/16	JATIA HEMBRAM S/O- NUNIA	HO	GHASIPURA	BHANDARIDIHA		0/29	RF	ASANBAHALI	0.14	0.14
158	8806/16	DUDANGA PURTI S/O- JANTURI	HO	GHASIPURA	BHANDARIDIHA		0/81	RF	ASANBAHALI	0.08	0.08
159	8790/16	JAIRAM JAMUDA S/O- PRADHAN	HO	GHASIPURA	BHANDARIDIHA		0/77	RF	ASANBAHALI	0.10	0.10
160	8792/16	GUNGA PINGUA S/O- SHYAM	HO	GHASIPURA	BHANDARIDIHA		0/1	RF	ASANBAHALI	0.05	0.05
161	8793/16	RABINDRA HEMBRAM S/O- PRADHAN	HO	GHASIPURA	BHANDARIDIHA		0/51	RF	ASANBAHALI	0.10	0.10
162	8785/16	BARJU CHATAR S/O- BUDHURAM	HO	GHASIPURA	BHANDARIDIHA		0/15	RF	ASANBAHALI	0.19	0.19
163	8766/16	BATA PINGUA S/O- GUNGA	HO	GHASIPURA	BHANDARIDIHA		0/52	RF	ASANBAHALI	0.18	0.18
164	8764/16	KANDE GUVA S/O- MARGE	HO	GHASIPURA	BH		0/53	RF	ASANBAHALI	0.08	0.08
165	8795/16	SUJANGHATAR S/O- GANGADHAR	HO	GHASIPURA	BHANDARIDIHA		0/54	RF	ASANBAHALI	0.05	0.05
166	8796/16	LADAR JAMUDA S/O- PRADHAN	HO	GHASIPURA	BHANDARIDIHA		0/75	RF	ASANBAHALI	0.10	0.10
167	8797/16	GOURANGA PURTI S/O- LAXMIDHAR	HO	GHASIPURA	BHANDARIDIHA		0/63	RF	BARAGOTHA	0.05	0.05
168	8794/16	REDU PURTI S/O- KAMBA	HO	GHASIPURA	BHANDARIDIHA		0/78	RF	ASANBAHALI	0.11	0.11
169	8807/16	DAMBARU GUVA S/O- SUJAN	HO	GHASIPURA	BHANDARIDIHA		0/20	RF	BIRDAHI	0.08	0.08
170	8808/16	BHAGIA GUVA S/O- MATHA	HO	GHASIPURA	BHANDARIDIHA		0/62	RF	BIRDAHI	0.08	0.08
171	8777/16	KUNA GUVA S/O- BATE	HO	GHASIPURA	BHANDARIDIHA		0/35	RF	ASANBAHALI	0.08	0.08
172	8805/16	BALARAM PINGUA S/O- CHULLA	HO	GHASIPURA	BHANDARIDIHA		0/3	RF	ASANBAHALI	0.07	0.07
173	8809/16	SALGE PURTI S/O- GOBINDA	HO	GHASIPURA	BHANDARIDIHA		0/74	RF	AMBADAH	0.06	0.06
174	8810/16	GUNGA TIRIA S/O- CHULLA	HO	GHASIPURA	BHANDARIDIHA		0/57	RF	ASANBAHALI	0.08	0.08
175	8811/16	MANGAL CHATRA S/O- BUDHURAM	HO	GHASIPURA	BHANDARIDIHA		0/39	RF	ASANBAHALI	0.16	0.16
176	8820/16	DINA PINGUA S/O- PATANA	HO	GHASIPURA	BHANDARIDIHA		0/68	RF	BARAGOTHA	0.05	0.05
177	8821/16	RANDAI TAIKAN S/O- BUNA	HO	GHASIPURA	BHANDARIDIHA		0/18	RF	ASANBAHALI	0.20	0.20

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178	8822/16	HAJHUNATH HEMBRAM S/O- SUJAN	HO	GHASIPURA	BHANDARIDHHA		0/13	RF	ASANBAHALI	0.06	0.06
179	8803/16	SUDARSAN TIWA S/O- PHANBAR	HO	GHASIPURA	BHANDARIDHHA		0/11	RF	ASANBAHALI	0.08	0.08
180	8804/16	GHANASHYAM PURTI S/O- BUDHANGA	HO	GHASIPURA	BHANDARIDHHA		0/59	RF	ASANBAHALI	0.15	0.15
181	8802/16	MADHU CHATAR S/O- BARIJ	HO	GHASIPURA	BHANDARIDHHA		0/17	RF	ASANBAHALI	0.14	0.14
182	8819/16	DIMBU PINGUA S/O- DAGA	HO	GHASIPURA	BHANDARIDHHA		0/6	RF	BIRIDAH	0.05	0.05
183	8818/16	SUKRUMUNI PINGUA S/O- LOKANATH	HO	GHASIPURA	BHANDARIDHHA		0/22	RF	BASANTPURA	0.15	0.15
184	8674/16	TIPI PURTI S/O- DAMBARU	HO	GHASIPURA	BHANDARIDHHA		0/39	RF	ASANBAHALI	0.08	0.08
185	8799/16	BUDHACIE PURTI S/O- GARDHI	HO	GHASIPURA	BHANDARIDHHA		0/22	RF	PAIGHATI	0.10	0.10
186	8800/16	CHANDRACHUDA HEMBRAM S/O- PUTURAM HEMBRAM	HO	GHASIPURA	BHANDARIDHHA		0/3	RF	PAIGHATI	0.14	0.14
187	8801/16	KATE KHUNTIA S/O- SURATH	HO	GHASIPURA	BHANDARIDHHA		0/45	RF	PAIGHATI	0.08	0.08
188	8796/16	SANTU HEMBRAM S/O- SUJAN	HO	GHASIPURA	BHANDARIDHHA		0/4	RF	ASANBAHALI	0.07	0.07
189	8746/16	BUDHURAM PURTI S/O- LOCHAN	HO	GHASIPURA	BHANDARIDHHA		622 33/8	G.J.	ASANBAHALI	0.08	0.08
190	8803/16	DAMODAR PALLA S/O- SAMA	HO	GHASIPURA	BHANDARIDHHA		619 67/5	G.J.	ASANBAHALI	0.04	0.04
191	8713/16	BUDUHI HEMBRAM W/O- DAMA	HO	GHASIPURA	BHANDARIDHHA		622 25/19	G.J.	ASANBAHALI	0.11	0.11
192	8744/16	RAMA PALLA S/O- GANESH	HO	GHASIPURA	BHANDARIDHHA		622 25/31	G.J.	ASANBAHALI	0.07	0.07
193	8748/16	LAMBA PURTI S/O- FAKH	HO	GHASIPURA	BHANDARIDHHA		622 25/38	G.J.	ASANBAHALI	0.14	0.14
194	8734/16	GANESH PURTI S/O- BISWA	HO	GHASIPURA	BHANDARIDHHA		622 25/8	G.J.	ASANBAHALI	0.08	0.08
195	8812/16	RAMASING CHATAR S/O- BUDHURAY	HO	GHASIPURA	BHANDARIDHHA		0/60	RF	ASANBAHALI	0.14	0.14
196	8813/16	MAGHA HEMBRAM S/O- SANATAN	HO	GHASIPURA	BHANDARIDHHA		0/60	RF	ASANBAHALI	0.04	0.04
197	8678/16	BISWA PURTI S/O- KAILASH	HO	GHASIPURA	BHANDARIDHHA		622 25/11	G.J.	ASANBAHALI	0.09	0.09
198	8681/16	NATH PALLA S/O- RAMA	HO	GHASIPURA	BHANDARIDHHA		619 67/4	G.J.	ASANBAHALI	0.04	0.04
199	8652/16	PRADHAN PALLA S/O- SRIRAM	HO	GHASIPURA	BHANDARIDHHA		622 25/34	G.J.	ASANBAHALI	0.12	0.12
200	8684/16	MANGALSINGH PURTI S/O- JAGA	HO	GHASIPURA	BHANDARIDHHA		619 67/16	G.J.	ASANBAHALI	0.20	0.20
201	8685/16	JATA PURTI S/O- BISWA	HO	GHASIPURA	BHANDARIDHHA		619 77/1	G.J.	ASANBAHALI	0.04	0.04
202	8784/16	GANESH PURTI S/O- SAMA	HO	GHASIPURA	BHANDARIDHHA		622 25/7	G.J.	ASANBAHALI	0.08	0.08
203	8697/16	MANGAL SITU S/O- NUNI	HO	GHASIPURA	BHANDARIDHHA		619 140/10	G.J.	ASANBAHALI	0.08	0.08
204	8706/16	GORINDA BIRUA S/O- BIRASINGH	HO	GHASIPURA	BHANDARIDHHA		622 25/4	G.J.	ASANBAHALI	0.11	0.11
205	8714/16	NANU HEMBRAM S/O- RAMA	HO	GHASIPURA	BHANDARIDHHA		622 25/16	G.J.	ASANBAHALI	0.09	0.09
206	8688/16	BAU CHATAR W/O- BISWANATH	HO	GHASIPURA	BHANDARIDHHA		619 12/72	G.J.	ASANBAHALI	0.14	0.14
207	8815/16	CHAKRADHAR SITU S/O- DAMODAR	HO	GHASIPURA	BHANDARIDHHA		619 140/12	G.J.	ASANBAHALI	0.10	0.10
208	8700/16	SAMA PALLA S/O- RAMA	HO	GHASIPURA	BHANDARIDHHA		622 25/32	G.J.	ASANBAHALI	0.11	0.11

209	8717/16	KAILASH PURTI S/O-BISWA	HO	GHASIPURA	BHANDARIDIHA	622 25/12	G.J.	ASANBAHALI	0.10	0.10
210	8834/16	TIPU PURTI S/O-DAMBARUDHAR	HO	GHASIPURA	BHANDARIDIHA	619 67/9	G.J.	ASANBAHALI	0.20	0.20
211	8759/16	GOBINDA BIRUA S/O- BALIA	HO	GHASIPURA	BHANDARIDIHA	622 25/5	G.J.	ASANBAHALI	0.09	0.09
212	8735/16	RAJENDRA PURTI S/O-JAGU PURTI	HO	GHASIPURA	BHANDARIDIHA	619 67/10	G.J.	ASANBAHALI	0.04	0.04
213	8698/16	PANDU BIRUA S/O- JAGU	HO	GHASIPURA	BHANDARIDIHA	622 25/43	G.J.	ASANBAHALI	0.04	0.04
214	8709/16	GOBINDA CHATAR S/O- JATIA	HO	GHASIPURA	BHANDARIDIHA	622 31/3	G.J.	ASANBAHALI	0.06	0.06
215	8831/16	JATA PURTI S/O-PRADHAN	HO	GHASIPURA	BHANDARIDIHA	619 67/12	G.J.	ASANBAHALI	0.05	0.05
216	8841/16	PANI PURTI W/O- SURENDRA	HO	GHASIPURA	BHANDARIDIHA	622 25/45	G.J.	ASANBAHALI	0.06	0.06
217	8679/16	DHANESWAR PALUA S/O-RAMA	HO	GHASIPURA	BHANDARIDIHA	622 25/33	G.J.	ASANBAHALI	0.09	0.09
218	8827/16	GHANA BIRUA S/O- BINA	HO	GHASIPURA	BHANDARIDIHA	619 125/1	G.J.	ASANBAHALI	0.05	0.05
219	8680/16	MANIK SAE S/O- FAKIR	HO	GHASIPURA	BHANDARIDIHA	619 140/2	G.J.	ASANBAHALI	0.11	0.11
220	8677/16	KAILASH PURTI S/O- GANESH	HO	GHASIPURA	BHANDARIDIHA	622 31/5	G.J.	ASANBAHALI	0.09	0.09
221	8837/16	GHANA CHAMPIA S/O-BASUDEV	HO	GHASIPURA	BHANDARIDIHA	622 25/3	G.J.	ASANBAHALI	0.10	0.10
222	8838/16	RAMA PALIA S/O- SHRIRAM	HO	GHASIPURA	BHANDARIDIHA	622 25/30	G.J.	ASANBAHALI	0.09	0.09
223	8826/16	DUKHBANDHU SAE S/O- GANGA	HO	GHASIP JRA	BHANDARIDIHA	619 67/3	G.J.	ASANBAHALI	0.04	0.04
224	8735/16	BAIDHAR PURTI S/O- B' SU-	HO	GHASIP JRA	BHANDARIDIHA	622 25/9	G.J.	ASANBAHALI	0.10	0.10
225	8732/16	LAXMAN CHATAR S/O-JATIA	HO	GHASIP JRA	BHANDARIDIHA	622 31/1	G.J.	ASANBAHALI	0.08	0.08
226	8734/16	BIKRAM PURTI S/O- LUMBA	HO	GHASIP JRA	BHANDARIDIHA	622 25/23	G.J.	ASANBAHALI	0.13	0.13
227	8747/16	GANGA SAE S/O- DAMA	HO	GHASIP JRA	BHANDARIDIHA	619 67/11	G.J.	ASANBAHALI	0.05	0.05
228	8742/16	KANDE BALMUNCH S/O-TUMA	HO	GHASIP JRA	BHANDARIDIHA	622 31/4	G.J.	ASANBAHALI	0.07	0.07
229	8716/16	LAXMAN PURTI S/O- FAKIR	HO	GHASIP JRA	BHANDARIDIHA	622 25/23	G.J.	ASANBAHALI	0.08	0.08
230	8710/16	DIPU PURTI S/O- RAJENDRA	HO	GHASIP JRA	BHANDARIDIHA	619 67/8	G.J.	ASANBAHALI	0.04	0.04
231	8791/16	BISHNU CHANDRA HEMBRAM S/O- PUTURA	HO	GHASIP JRA	BHANDARIDIHA	0/8	RF	ASANBAHALI	0.06	0.06
232	8702/16	RABI PURTI S/O- DALE	HO	GHASIP JRA	BHANDARIDIHA	622 25/83	G.J.	ASANBAHALI	0.04	0.04
233	8814/16	PRAYAG CHATAR W/O-MANGATA	HO	GHASIP JRA	BHANDARIDIHA	622	25 G.J.	ASANBAHALI	0.04	0.04
234	8718/16	MANOJ KUMAR CHATAR S/O- BISWANATH	HO	GHASIP JRA	BHANDARIDIHA	619 126/1	G.J.	ASANBAHALI	0.19	0.19
235	8839/16	JANARDAN CHATAR S/O- BISWANATH	HO	GHASIP JRA	BHANDARIDIHA	619 127/1	G.J.	ASANBAHALI	0.13	0.13
236	8694/16	DURYODHAN CHATAR S/O- BISWANATH	HO	GHASIPURA	BHANDARIDIHA	622/619	25/126/2 G.J.	ASANBAHALI	0.10	0.10
237	8703/16	GHANASHYAM CHATAR S/O- LAXMAN	HO	GHASIP JRA	BHANDARIDIHA	622 25/28	G.J.	ASANBAHALI	0.10	0.10
238	8745/16	DURYODHAN CHATAR S/O-JATIA	HO	GHASIPURA	BHANDARIDIHA	622 25/14	G.J.	ASANBAHALI	0.11	0.11

234	8714/16	BISWANATH SIDU S/O-NUNI	HO	GHASIPURA	BHANDARIDIHA	619/140/9	G.J.	ASANBAHALI	0.11	0.11
235	8736/16	BAIDHAR SIDU S/O- NUNI	HO	GHASIPURA	BHANDARIDIHA	619/140/7	G.J.	ASANBAHALI	0.14	0.14
241	8673/16	JAGANNATH PURTI S/O- RAJENDRA	HO	GHASIPURA	BHANDARIDIHA	622/25/27	G.J.	ASANBAHALI	0.08	0.08
242	8675/16	GOBIND SIDU S/O-DAMODAR	HO	GHASIPURA	BHANDARIDIHA	619/140/11	G.J.	ASANBAHALI	0.09	0.09
243	8676/16	LAMBARA HEMBRAM S/O- DAMA	HO	GHASIPURA	BHANDARIDIHA	622/25/29	G.J.	ASANBAHALI	0.12	0.12
244	8687/16	DAMODAR SIDU S/O-MANGULU	HO	GHASIPURA	BHANDARIDIHA	619/140/5	G.J.	ASANBAHALI	0.10	0.10
245	8721/16	DHANESWAR PALIA S/O- RAMA	HO	GHASIPURA	BHANDARIDIHA	622/25/35	G.J.	ASANBAHALI	0.11	0.11
246	8722/16	CHINTAMANI BALMUNCH S/O- KANDE	HO	GHASIPURA	BHANDARIDIHA	619/140/1	G.J.	ASANBAHALI	0.09	0.09
247	8723/16	BALLA SAE S/O-MANIK SAE	HO	GHASIPURA	BHANDARIDIHA	619/140/4	G.J.	ASANBAHALI	0.10	0.10
248	8724/16	DAMA PALIA S/O-NATH	HO	GHASIPURA	BHANDARIDIHA	622/25/36	G.J.	ASANBAHALI	0.14	0.14
249	8725/16	RAJAN PURTI S/O-GANESH	HO	GHASIPURA	BHANDARIDIHA	622/31/6	G.J.	ASANBAHALI	0.07	0.07
250	8828/16	BASU CHAMPIA S/O-GHANA	HO	GHASIPURA	BHANDARIDIHA	622/25/1	G.J.	ASANBAHALI	0.11	0.11
251	8829/16	RAGHUNATH MUNDURI S/O-PANDU	HO	GHASIPURA	BHANDARIDIHA	622/25/17	G.J.	ASANBAHALI	0.10	0.10
252	8830/16	BAIDHAR SIDU S/O-NEND	HO	GHASIPURA	BHANDARIDIHA	619/187/1	G.J.	ASANBAHALI	0.20	0.20
253	8737/16	BHAGIRATHI BALMUNCH S/O- PANDU	HO	GHASIPURA	BHANDARIDIHA	622/25/82	G.J.	ASANBAHALI	0.04	0.04
254	8738/16	DIBOL BALMUNCH S/O-BAYA	HO	GHASIPURA	BHANDARIDIHA	622/25/81	G.J.	ASANBAHALI	0.04	0.04
		TOTAL								24.12

Sub-Collector-cum-Chairman
P.S. Sub-Collector-cum-Chairman
ANANDAPUR

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Annexure - C

Sl.No	CR No.	Name of the applicant	Caste	Block	G.P	Village	Khata No.	Plot No.	Kisam	Purpose/Area (In Acre)			Remarks
										Gharabari	Agriculture	Total Area	
1	1/19	Para Naik W/o-Late Jaydeb Naik	ST(Bhumija)	Champurua	Kanlasula	C.S.Pur	118	392/1	Sabik KISSAM Jungle	0.04		0.04	
2	2/19	Blira Naik S/o-Late Narada Naik	ST(Saunt)	Champurua	Bhainpur	Bhainpur	243	1080/1	Sabik KISSAM Jungle	0.04		0.04	
3	3/19	Nata Naik S/o-Late Damodara Naik	ST(Saunt)	Champurua	Bhonda	Basudevpur	72	668/135 9/1	G.Jungle	0.04		0.04	
4	4/19	Bacha Munda S/o-Late Chaitanya Munda	ST(Kolha)	Champurua	Sadangi	Khurapada	54	1149/1	Sabik KISSAM Jungle	0.04		0.04	
5	5/19	Ghanayam Chattar S/o-Late Dhanabandhu Chattar	ST(Kolha)	Champurua	Sadangi	Ankudi	60	686/1	Sabik KISSAM Jungle	0.04		0.04	
6	6/19	Ghanayam Munda S/o-Late Kalra Munda	ST(Kolha)	Champurua	Sadangi	Nundi	43	116/1	Sabik KISSAM Jungle	0.04		0.04	
7	7/19	Phota Munda S/o-Late Saru Munda	ST(Kolha)	Champurua	Sadangi	Nundi	43	85	Sabik KISSAM Jungle	0.04		0.04	
8	8/19	Ekadasi Munda S/o-Late Saru Munda	ST(Kolha)	Champurua	Sadangi	Nundi	43	85/1	Sabik KISSAM Jungle	0.04		0.04	
9	9/19	Makuru Bentakar S/o-Late Bana Bentakar	ST(Bhumija)	Champurua	Sarel	Sarel	235	511/1	Sabik KISSAM Jungle	0.04		0.04	
10	10/19	Sushil Bentakar S/o-Late Harhar Bentakar	ST(Bhumija)	Champurua	Sarel	Sarel	235	511/2	Sabik KISSAM Jungle	0.04		0.04	
11	11/19	Bagun Bentakar S/o-Late Raya Bentakar	ST(Bhumija)	Champurua	Sarel	Sarel	235	511/3	Sabik KISSAM Jungle	0.04		0.04	

12	12/19	Dhoni Bentakar S/o- Late Narottam Bentakar	ST(Bhumija)	Champur	Sarel		Sarel		235	511/4	Sabik Kissam Jungle	0.04		0.04
13	13/19	Guruba Bentakar S/o- Late Naku Bentakar	ST(Bhumija)	Champur	Sarel		Sarel		235	511/5	Sabik Kissam Jungle	0.04		0.04
14	14/19	Chakanya Naik S/o- Late Sambhu Naik	ST(Bhumija)	Champur	Sarel		Sarel	Urty	171	1/1	Sabik Kissam Jungle	0.04		0.04
15	15/19	Jamelay Naik S/o- Late Chitra Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/1	Sabik Kissam Jungle	0.04		0.04
16	16/19	Chandramohan Naik S/o- Late Bhairab Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/2	Sabik Kissam Jungle	0.04		0.04
17	17/19	Bhimasen Bentakar S/o- Late Bhaja Bentakar	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/3	Sabik Kissam Jungle	0.04		0.04
18	18/19	Nandu Naik S/o- Late Milan Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/4	Sabik Kissam Jungle	0.04		0.04
19	19/19	Raju Naik S/o- Late Suna Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/5	Sabik Kissam Jungle	0.04		0.04
20	20/19	Rajbal Naik W/o- Late Binod Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/6	Sabik Kissam Jungle	0.04		0.04
21	21/19	Bali Naik W/o- Late Makuru Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/7	Sabik Kissam Jungle	0.04		0.04
22	22/19	Raju Naik S/o- Late Banamali Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/8	Sabik Kissam Jungle	0.04		0.04
23	23/19	Ajay Naik S/o- Late Monaj Naik	ST(Bhumija)	Champur	Karanjia		Karanjia		321	1052/9	Sabik Kissam Jungle	0.04		0.04
24	24/19	Bhagarathi Naik S/o- Late Panu Naik	ST(Saunt)	Champur	Kodagadla		Chimla		137	1550/1	Sabik Kissam Jungle	0.04		0.04

25	25/19	Maiati Munda W/o- Jaydev Munda	ST(Kolha)	Champua	Parsala	Slukala	54	637/1	Sabik/ Kissam Jungle	0.04	1.00	0.04	1.00
Total													



MINUTES OF DISCUSSION IN THE SDLC (FOREST RIGHTS) CHAMPUA HELD ON 07.11.2019 AT 11.00 A.M. 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, Champua
4. Tahasildar, Barbil
5. Addl. Tahasildar, Jhumpura
6. ADWO, Champua
7. Sri Radhakanta Naik, P.S Member, Jhumpura Block
8. Sri Udaya Naik, PS Member, Champua Block
9. WEO, Jhumpura/Champua/Joda
10. Kalakara Mahanta, FRA Amin, Joda
11. Mahendra Mahanta, FRA Amin, Champua
12. Pradeep Ku. Nayak, FRA Amin, Champua
13. Madan Mohan Patra, FRA Amin, Jhumpura

The Sub-divisional Level Committee meeting was held on 07.11.2019 at 11.00 A.M in the Office Chamber of the Sub-Collector, Champua under the Chairmanship of Sub-Collector, Champua-cum-Chairman, SDLC FRA.

At the outset, the Sub-Collector-cum-Chairman, SDLC welcomed 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.

Agenda No.1:- Approval of Individual Forest Right Claims :-

Tahasildar, Champua submitted 25 Nos. of IFR claims were examined by the members and recommended to DLC for approval as follows:-

List of claimants under ST & SC Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 As on 07.11.2019													
Sl. No.	Case Record No.	Name of the applicant & father's/ Husband's name	Caste	Block	G.P	Village	Khat No.	Plot No.	Kissam	Purpose/ Area (In Acre)			Remarks
										Ghar bari	Agri l.	Total	
1.	1/19	Para Naik W/o-Late Jaydeba Naik	ST Bhumiya	Cham pua	Kanji asula	C.S Pur	118	392/1	Sabik Kissam Jungle	0.04		0.04	
2.	2/19	Bira Naik S/o-Late Narada Naik	ST Saunti	Cham pua	Bhui npur	Bhui npur	243	1080/1	Sabik Kissam Jungle	0.04		0.04	
3.	3/19	Naba Naik S/o-Late Damadara Naik	ST Saunti	Cham pua	Bhonda	Basudevpur	72	668/1359/1	G. Jungle	0.04		0.04	
4.	4/19	Bacha Munda S/o-Late Chaitanya Munda	ST Kolha	Cham pua	Sadan gi	Khuntapada	54	1149/1	Sabik Kissam Jungle	0.04		0.04	
5.	5/19	Ghanashyama Chattar S/c-Late Dinabandhu Chattar	ST Kolha	Cham pua	Sadan gi	Ankudi	60	686/1	Sabik Kissam Jungle	0.04		0.04	
6.	6/19	Ghanashyama Munda S/c-Late Kaira Munda	ST Kolha	Cham pua	Sadan gi	Mundi	43	115/1	Sabik Kissam Jungle	0.04		0.04	

7/19	Phata Munda S/o-Late Sanu Munda	ST Koiha	Cham pua	Sadan gi	Niund i	43	85	Sabik Kissam Jungle	0.04		0.04	
8/19	Ekadas Munda S/o-Late Sanu Munda	ST Koiha	Cham pua	Sadan gi	Niund i	43	85/1	Sabik Kissam Jungle	0.04		0.04	
9/19	Makuru Bentkar S/o-Late Bana Bentkar	ST Bhumi ija	Cham pua	Sarei	Sarei	235	511/1	Sabik Kissam Jungle	0.04		0.04	
10/19	Sushil Bentkar S/o-Late Harihara Bentkar	ST Bhumi ija	Cham pua	Sarei	Sarei	235	511/2	Sabik Kissam Jungle	0.04		0.04	
11/19	Bagun Bentkar S/o-Late Raya Bentkar	ST Bhumi ija	Cham pua	Sarei	Sarei	235	511/3	Sabik Kissam Jungle	0.04		0.04	
12/19	Dhoni Bentkar S/o-Late Norattama Bentkar	ST Bhumi ija	Cham pua	Sarei	Sarei	235	511/4	Sabik Kissam Jungle	0.04		0.04	
13/19	Guruba Bentkar S/o-Late Naku Bentkar	ST Bhumi ija	Cham pua	Sarei	Sarei	235	511/5	Sabik Kissam Jungle	0.04		0.04	
14/19	Chaitanya Naik S/o-Late Sambhu Naik	ST Bhumi ija	Cham pua	Sarei	Urtty	171	1/1	Sabik Kissam Jungle	0.04		0.04	
15/19	Janmajay Naik S/o-Late Chaita Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/1	Sabik Kissam Jungle	0.04		0.04	
16/19	Chandramohan Naik S/o-Late Shairab Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/2	Sabik Kissam Jungle	0.04		0.04	
17/19	Bhimasen Bentkar S/o-Late Bhaja Bentkar	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/3	Sabik Kissam Jungle	0.04		0.04	
18/19	Nandu Naik S/o-Late Mohan Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/4	Sabik Kissam Jungle	0.04		0.04	
19/19	Raju Naik S/o-Late Suna Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/5	Sabik Kissam Jungle	0.04		0.04	
20/19	Raibari Naik W/o-Late Binod Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/6	Sabik Kissam Jungle	0.04		0.04	
21/19	Bali Naik W/o-Late Makuru Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/7	Sabik Kissam Jungle	0.04		0.04	
22/19	Raju Naik S/o-Late Banamali Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/8	Sabik Kissam Jungle	0.04		0.04	
23/19	Ajay Naik S/o-Late Monaj Naik	ST Bhumi ija	Cham pua	Karan jia	Karan jia	321	1052/9	Sabik Kissam Jungle	0.04		0.04	
24/19	Bhagarathi Naik S/o-Late Panu Naik	ST Saunti	Cham pua	Koda gadia	Chimil a	137	1550/1	Sabik Kissam Jungle	0.04		0.04	
25/19	Malati Munda W/o-Jaydev Munda	ST Koiha	Cham pua	Parsal a	Sijuka la	54	637/1	Sabik Kissam Jungle	0.04		0.04	
Total									1.00		1.00	

1. No. of Grama Sabha Conducted-11
2. Total area of Revenue forest-Ac. 1.00

The Range Officer Forest, Champua requested to submit the beneficiary lists for GPS survey. It was decided in the meeting after preparation of GPS mapping by the forest department with the co-ordination of Amins working under FRA and to submit one copy to the Sub-Collector Office for reference.

Agenda No.2:- Approval of Diversion proposal submitted by various User Agencies :-

Proposal-1:- Approval of Diversion proposal submitted by User Agency i.e M/S Odisha Mining Corporation Ltd., Banspani Iron Ore Mines:-

The Proposals of User Agency M/S Odisha Mining Corporation Ltd. submitted the proposal through Tahasildar, Barbil vide his letter No. 3827 Dt. 24.09.2019 was discussed by the members present in the meeting.

Proposal for issue of certificate regarding compliance of STs & Other Traditional forest Dwellers (Recognition of forest Right) Act, 2006 and Amendment Rules 2012 is examined as follows.

Proposal was received from Tahasildar, Barbil for an area measuring 26.302 Ha. of jungle Kisam of village Banspani & Khuntapani and issue of certificate of compliance ST & Other Traditional Forest Dwellers Act, 2006 & Amendment Rules 2012 for necessary diversion of forest land (Jungle Kisam) for non forest purpose i.e mining & allied activities. The Tahasildar, Barbil President of Ward Sabha, Forest Range Officer, Champua have submitted joint Enquiry report along with the requisite documents i.e Map, CD, Odia & English version of Ward Sabha proceeding etc. It is revealed from their report that no forest claim exist over the proposed land for diversion. It is ascertained that neither ST nor OTFD has any claims on the proposed land for diversion. It is also ascertained that neither any PVTG nor Pre-Agricultural Communities is occupying the proposed land for diversion and the right of PVTG & PAC are not affected.

More than 50% of voters 947/1450 participated in Ward Sabha meeting held on 09.08.2019 in front of Khuntapani U.P. School under Ward No. 13 of Joda Municipality. Out of which 466 members were women voters. The Tahasildar, Barbil & Executive office Joda Municipality have also submitted the certificate in this regard. 09.08.2019-(i) Gram Sabha was held for diversion of forest land for non forest purpose measuring 26.302 Ha. (Notice enclosed) (ii) The members present in the meeting considering the different aspects ST & OTFD Rule that there is no objection in the proposed area is to be used for mining & allied activities.

The videography of the proceeding of Ward Sabha meeting was done and attached herewith. The detail land scheduled (26.302 Ha.) is as follows:-

Land Schedule over 26.302 Ha. of forest area for issue certificate under FRA-2006 pertaining to Banspani ML area (380.400 Ha.) of M/s O.M.C Ltd.

Name of the village	Plot No.	Khata No.	Kissam(after 25.10.1980)	Kissam(Before 25.10.1980)	Area (In Ha.)	Remarks
Banspani	640	140	Parbat III	Parbat	0.064	Forest as per DLC Report
	643	140	Parbat III	Parbat	0.475	
	690	140	Parbat	Parbat	0.672	
	749	140	Parbat II	Padia	0.673	
Sub-Total					1.884 Ha.	
Khuntapani	1	63	Pahada	Jungle	0.002	
	41	63	Pahada	Jungle	0.015	
	708	63	Pahada	Jungle	0.190	
	709	63	Pahada	Jungle	1.264	
	710	63	Pahada	Jungle	2.344	
	711	63	Pahada	Jungle	2.622	
	712	63	Pahada	Jungle	2.920	
	713	63	Pahada	Jungle	3.195	
	751	63	Pahada	Jungle	1.844	
Sub-Total					14.396 Ha.	
Banspani	649	140	Gramya Jungle	Parbat	1.734	
	813	140	Gramya Jungle	Parbat	0.445	
Sub-Total					2.179 Ha.	
Khuntapani	331	63	Jungle	Patita	0.014	
	332	63	Jungle	Patita	0.014	

	411	63	Jungle	Jungle	0.208	Revenue Forest
	412	63	Jungle	Jungle	0.043	
	462	63	Jungle	Patita	0.014	
	463	63	Jungle	Patita	0.010	
	464	63	Jungle	Patita	0.011	
	465	63	Jungle	Patita	0.014	
	503	63	Jungle	Jungle	0.003	
	537	63	Jungle	Jungle	0.137	
	553	63	Jungle	Jungle	0.044	
	557	63	Jungle	Jungle	0.060	
	558	63	Jungle	Jungle	0.058	
	559	63	Jungle	Jungle	0.084	
	560	63	Jungle	Jungle	0.070	
	562	63	Jungle	Jungle	0.033	
	563	63	Jungle	Jungle	0.025	
	564	63	Jungle	Jungle	0.071	
	565	63	Jungle	Jungle	0.027	
	566	63	Jungle	Jungle	0.026	
	567	63	Jungle	Jungle	0.033	
	571	63	Jungle	Jungle	0.054	
	573	63	Jungle	Jungle	0.006	
	599	63	Jungle	Jungle	0.082	
	644	63	Jungle	Jungle	0.114	
	649	63	Jungle	Jungle	0.168	
	651	63	Jungle	Jungle	0.021	
	657	63	Jungle	Road	0.220	
	683	63	Jungle	Jungle	0.077	
	684	63	Jungle	Jungle	0.018	
	685	63	Jungle	Jungle	0.009	
	686	63	Jungle	Jungle	0.008	
	687	63	Jungle	Jungle	0.010	
	726	63	Jungle	Jungle	0.179	
	727	63	Jungle	Jungle	0.147	
	728	63	Jungle	Jungle	0.154	
	729	63	Jungle	Jungle	0.195	
	730	63	Jungle	Jungle	0.404	
	731	63	Jungle	Jungle	0.290	
	733	63	Jungle	Jungle	0.216	
	739	63	Jungle	Jungle	0.203	
	740	63	Jungle	Jungle	0.199	
	742	63	Jungle	Jungle	0.578	
	754	63	Jungle	Goda III	0.109	
	758	63	Jungle	Goda III	0.183	
	786	63	Jungle	Jungle	0.255	
	787	63	Jungle	Jungle	0.277	
	1024	63	Jungle	Jungle	0.010	
	1029	63	Jungle	Jungle	0.011	
	1081	63	Jungle	Jungle	0.046	
	1088	63	Jungle	Jungle	0.079	
	1090	63	Jungle	Jungle	0.017	
	Sub-Total				5.338 Ha.	
Khuntapani	2	34	Sarada -I	Jungle	0.043	Forest as per Sabik Record
	51	63	Adi	Jungle	0.017	
	52	63	Jalasaya-II	Jungle	0.129	
	214	38	Taila-I	Jungle	0.084	
	522	63	Mahara	Jungle	0.25	
	546	63	Patita	Jungle	0.542	
	552	63	Mahara	Jungle	0.079	
	556	63	Rasta	Jungle	0.030	
	561	63	Patita	Jungle	0.508	
	570	63	Patita	Jungle	0.014	

715	38	Taila-II	Jungle	0.141	
719	63	Danda	Jungle	0.088	
747	63	Danda	Jungle	0.064	
759	63	Pahada	Jungle	0.125	
1099	63	Danda	Jungle	0.11	
1175	48	Sarada-II	Jungle	0.281	
Sub-Total				2.505 Ha.	

ABSTRACT OF LAND SCHEDULE

Forest land in Hect.					
Name of the village	R.F	Revenue Forest	Forest as per DLC	Forest land as on 25.10.1980	Total
Banspani	Nil	2.179	1.884	Nil	4.063
Khuntapani	Nil	5.338	14.396	2.505	22.239
Total		7.517	16.280	2.505	26.302

09.08.2019:- i) Grama Sabha was held for diversion of forest land for non-forest purpose measuring an area 26.302 Ha. (Notice enclosed)

(ii) The Members present decided considering the different aspects of ST & OTFD Rule that there is no objection if the proposed area is used for mining purpose.

After detail discussion the committee consensually decided to recommend the proposal to DLC for approval

Proposal-2

Approval of Diversion proposal submitted by User Agency i.e M/S JSW Utkal Steel Ltd.:-

Diversion of Ac 55.97 (22.671 Ha.) of Sabik KISSAM Forest land involved in M/s JSW Utkal Steel Ltd. for Establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station.

The Tahasildar, Barbil submitted the proposal vide his letter No. 4449 Dt. 05.11.2019 for an area measuring Ac. 55.97 (22.671 Ha.) of Sabik KISSAM Forest villages Bhagalpur (Ac 9.46), Lahanda (Ac 38.59), Kandara (Ac. 2.57) & Gobardhanpur (Ac 5.35) and issue of certificate of compliance of ST & OTFD (RFR) Act, 2006 and Amendment Rules, 2012 for necessary diversion of sabik kissam forest land for non forest purpose i.e. Establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. The Tahasildar Barbil, Forest Range Officer, Barbil and President of Bhagalpur, Lahanda, Kandara & Gobardhanpur of FRC committee have submitted joint inquiry report along with requisite documents i.e Information/Map/CD & proceeding of Grama Sabha in Odia & English version etc separately.

The details of F.R.C Meeting /Grama Sabha in different villages discussed as follows in the meeting:-

Village:- Bhagalpur (Land Ac 9.46 or 3.834 Ha.)

G.P:- Birikala

16.03.2008:- i) Forest Right Committee was formed in the Pali Sabha and it was reformed on 02.08.2019 (Page-105)
ii) Applications were invited from the eligible ST & OTFD claimants (Page No. 17 to 24)

17.08.2019:- As per the Letter No. 3449 Dt. 29.12.18 & PA.ITDA, Keonjhar, B.D.O, Joda requested to Sarpanch Birikala to call Gramsabha at Bhagalpur vide his Letter No. 6877 Dt. 17.08.2019 for approval of Ac. 9.46 (3.834 Ha.) Sabik KISSAM forest land for non forest purpose i.e establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station by M/s JSW Utkal Steel Ltd. at Gobardhanpur. (Page No. 33)

20.08.2019:- Accordingly Sarpanch Birikala called Gramsabha meeting vide his Notice No. 11 Dt. 20.08.19 for approval of the above diversion proposal. (Page No. 29) by beat of drum & advertised in daily news paper. (Page No. 26)

02.09.2019:- (i) Forest Right Committee meeting was held on Dt. 02.09.2019 and it was unanimously passed in the Forest Right Committee meeting that there is no objection in the proposed area i. e. Ac. 9.46(3.834 Ha.) is to be used by the User Agency JSW Utkal Steel Ltd. for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station.

05.09.2019:- (i) As per the notice of the Sarpanch Birikala Gram Sabha was held on 05.09.2019 at Bhagalpur Primary School playground presided by the Smt. Minu Naik, Ward Member (W. No.-12) for diversion of Sabik Kisam forest land for non-forest purpose measuring Ac. 9.46 (3.834 Ha.)

(ii) More than 50% of voters (220/433) participated in the meeting in the village Bhagalpur out of which 155 were female voters and duly certified by the BDO, Joda, WEO, Joda, PEO, Birikala G.P & Sarpanch Birikala (Page No. 107) & unanimously resolved considering the different aspects of ST & OTFD Rule that there is no objection in the proposed area used for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. The resolution copy of the Grama Sabha (Page No.3), Map (Page No. 38) voter list (Page No. 39 to 100) still photograph & C.D. including land scheduled are attached.

Details of Revenue Forest lands for diversion (supported by Map in Duplicate)

Mouza	Khata No.	Plot No.	Kissam	Area Ac	Area Ha.	Status of land as on 25.10.1980	
						Sabik Plot	Kissam
Bhagalpur	78/2	31	Sarada-II	0.25	0.101	17	Jungle
	78/2	274/952	Sarada-I	0.06	0.024	75	Jungle
	77	63	Patita	0.11	0.045	18	Jungle
	77	5	Patita	0.05	0.020	1	Jungle
	77	22	Patita	0.40	0.162	1	Jungle
	77	27	Patita	0.15	0.061	1	Jungle
	77	29	Patita	0.10	0.041	18	Jungle
	78/2	34	Sarada-II	0.25	0.101	16	Jungle
	77	68	Patita	0.95	0.385	26	Jungle
	77	69	Patita	0.42	0.170	26	Jungle
	77	70	Patita	0.53	0.215	26	Jungle
	77	71	Patita	0.55	0.223	26	Jungle
	77	72	Patita	0.35	0.142	26	Jungle
	77	78	Patita	0.21	0.085	26	Jungle
	77	79	Patita	0.34	0.138	26	Jungle
	77	80	Patita	0.23	0.093	26	Jungle
	77	127	Patita	0.19	0.077	41	Jungle
	77	227	Patita	0.14	0.057	53	Jungle
	77	228	Patita	0.12	0.049	53	Jungle
	77	229	Patita	0.07	0.028	53	Jungle
	77	233	Patita	0.06	0.024	55	Jungle
	77	297	Patita	0.15	0.061	68	Jungle
	77	298	Patita	0.11	0.045	68	Jungle
	77	299	Patita	0.10	0.041	68	Jungle
	77	300	Patita	0.16	0.065	68	Jungle
	77	301	Patita	0.20	0.081	68	Jungle
	77	302	Patita	0.05	0.020	68	Jungle

77	23/936	Patita	0.12	0.049	26	Jungle
77	77/938	Patita	0.04	0.016	26	Jungle
77	81/939	Patita	0.05	0.020	26	Jungle
77	82/940	Patita	0.04	0.016	26	Jungle
77	83/941	Patita	0.03	0.012	26	Jungle
77	84/942	Patita	0.16	0.065	26	Jungle
77	65	Sarada-II	0.11	0.045	18	Jungle
75	255	Gramya Jungle	2.58	1.045	55	Jungle
77	305	Sarada-III	0.03	0.012	68	Jungle
Total			9.46	3.834		

Village:- Lahanda (Land Ac 38.59 or 15.628 Ha.)

G.P:- Birikala

- 16.03.2008:- i) Forest Right Committee was formed in the Pali Sabha. (Page-39)
ii) Applications were invited from the eligible ST & OTFD claimants. (Page No. 39 to 49)
- 17.08.2019:- As per the Letter No. 3449 Dt. 29.12.18 & PA,ITDA, Keonjhar, B.D.O, Joda requested to Sarpanch Birikala to call Gramsabha at Lahanda vide his Letter No. 6877 Dt. 17.08.2019 for approval of Ac 38.59 (15.628 Ha.)Sabik Kissam forest land for non forest purpose i. e establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station by M/s JSW Utkal Steel Ltd. at Gobardhanpur. (Page No. 64)
- 05.09.2019:- Accordingly Sarpanch Birikala called Gramsabha vide his Notice No. 17 Dt. 05.09.19 for approval of the above diversion proposal. (Page No. 60) through beat of drum & advertised in daily news paper. (Page No. 50 to 51)
- 02.09.2019:- (i)Forest Right Committee meeting was held on Dt. 02.09.2019 and it was unanimously passed in the Forest Right Committee meeting that there is no objection in the proposed area i. e Ac 38.59 (15.628 Ha.) is to be used by the User Agency JSW Utkal Steel Ltd. for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. (Page No. 36)
- 13.09.2019:- (i) As per the notice of the Sarpanch Birikala Gram Sabha was held on 13.09.2019 at in front of Maa Basanti club, Lahanda presided by the Smt. Kasturi Naik , Ward Member for diversion of Sabik Kisam forest land for non-forest purpose measuring Ac 38.59 (15.628 Ha.)
(ii) More than 50% of voters (455/824) participated in the meeting in the village Lahanda out of which 198 were female voters and duly certified by the BDO, Joda, WEO, Joda, Birikala G.P & Sarpanch Birikala (Page No. 109) & unanimously resolved considering the different aspects of ST & OTFD Rule that there is no objection in the proposed area used for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. The resolution of copy of the Grama Sabha (Page No. 4), Map (Page No. 71) voter list (Page No. 72 to 106) still photograph & C.D. including land scheduled are attached.

Mouza	Khata No.	Plot No.	Kissam	Area Ac	Area Ha.	Status of land as on 25.10.1980	
						Sabik Plot	Kissam
Lahanada	80	638(P)	Talla-I	1.68	0.680	168	Jungle
	80	639(P)	Sarada-III	0.53	0.215	168	Jungle
	80	640(P)	Sarada-III	0.43	0.170	168	Jungle
	80	641(P)	Patita	25.61	10.372	168	Jungle

80	644	Patita	0.29	0.117	168	Jungle
80	645	Sarada-III	0.17	0.069	168	Jungle
80	646	Taila-I	1.03	0.417	168	Jungle
80	599/1048	Patita	8.00	3.240	168	Jungle
80	916/984(P)	Sarada-II	0.18	0.073	168	Jungle
80	637/987	Sarada-I	0.20	0.081	178	Jungle
Total			38.59	15.628		

Village:- Kandara (Land Ac 2.57 or 1.041 Ha.)

G.P.- Kandara

23.03.2008:- i) Forest Right Committee was formed in the Pali Sabha (Page No. 40) and it was reformed on 25.07.2019 (Page-108)
ii) Applications were invited from the eligible ST & OTFD claimants. (Page No. 41)

17.08.2019:- As per the Letter No. 3449 Dt. 29.12.18 & PA.ITDA, Keonjhar, B.D.O, Joda requested to Sarpanch Kandara to call Gramsabha at Kandara vide his Letter No. 6887 Dt. 17.08.2019 for approval of Ac 2.57 (1.041 Ha.) Sabik Kissam forest land for non forest purpose i. e establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station by M/s JSW Utkal Steel Ltd. at Gobardhanpur. (Page No. 62)

20.08.2019:- Accordingly Sarpanch Kandara called Gramsabha vide his Notice No. 25 Dt. 20.08.19 for approval of the above diversion proposal. (Page No. 58) through beat of drum & advertised in daily news paper. (Page No. 47 & 48)

04.09.2019:- (i) Forest Right Committee meeting was held on Dt. 04.09.2019 and it was unanimously passed in the Forest Right Committee meeting that there is no objection in the proposed area i. e Ac 2.57 (1.041 Ha.) is to be used by the User Agency JSW Utkal Steel Ltd. for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. (Page No. 37)

06.09.2019:- (i) As per the notice of the Sarpanch Kandara Gram Sabha was held on 06.09.2019 at Kandara hata Pindi presided by the Smt. gayatri Naik, Sarpanch for diversion of Sabik Kisam forest land for non-forest purpose measuring Ac 2.57 (1.041 Ha.)
(ii) More than 50% of voters (522/1028) participated in the meeting in the village Kandara out of which 240 were female voters and duly certified by the BDO, Joda, WEO, Joda, PEO, Kandara & Sarpanch Kandara (Page No. 110) & unanimously resolved considering the different aspects of ST & OTFD Rule that there is no objection in the proposed area used for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. The resolution copy of the Grama Sabha (Page No. 4 to 33), Map (Page No. 36) voter list (Page No. 67 to 107) still photograph & C.D. including land scheduled are attached.

Mouza	Khata No.	Plot No.	Kissam	Area Ac	Area Ha.	Status of land as on 25.10.1980	
						Sabik Plot	Kissam
Kandara	153	434	Taila-II	0.18	0.073	663	Jungle
	153	435	Sarada-III	1.64	0.664	663	Jungle
	153	436	Sarada-III	0.36	0.146	663	Jungle
	153	440	Taila-II	0.39	0.158	665	Jungle
Total				2.57	1.041		

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Village:-Gobardhanpur (Land Ac 5.35 or 2.168 Ha.)
G.P:- Deojhar

- 16.03.2008:- i) Forest Right Committee was formed in the Palli Sabha (Page-33)
ii) Applications were invited from the eligible ST & OTFD claimants. (Page No. 34)
- 17.08.2019:- As per the Letter No. 3449 Dt. 29.12.18 & PA/ITDA, Keonjhar, B.D.O, Joda requested to Sarpanch Deojhar to call Gramsabha at Gobardhanpur vide his Letter No. 6882/ Dt. 17.08.2019 for approval of Ac 5.35 (2.168 Ha.) Sabik Kissam forest land for non forest purpose i. e establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station by M/s JSW Utkal Steel Ltd. at Gobardhanpur. (Page No. 48)
- 20.08.2019:- Accordingly Sarpanch Deojhar called Gramsabha vide his Notice No. 25 Dt. 20.08.19 for approval of the above diversion proposal. (Page No. 44) through beat of drum & advertised in daily news paper. (Page No. 38 to 39)
- 02.09.2019:- (i) Forest Right Committee meeting was held on Dt. 02.09.2019 and it was unanimously passed in the Forest Right Committee meeting that there is no objection in the proposed area i. e Ac 5.35 (2.168 Ha.) is to be used by the User Agency JSW Utkal Steel Ltd. for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station.
- 07.09.2019:- (i) As per the notice of the Sarpanch Deojhar Gram Sabha was held on 07.09.2019 at near Anganwadi centre at Gobardhanpur presided by the Smt. Rebati Naik, Ward member for diversion of Sabik Kisam forest land for non-forest purpose measuring Ac 5.35 (2.168 Ha.)

(ii) More than 50% of voters (351/555) participated in the meeting in the village Gabardhanpur out of which 191 were female voters and duly certified by the BDO, Joda, WEO, Joda, PEO, Deojhar & Sarpanch Deojhar (Page No. 81) and unanimously resolved considering the different aspects of ST & OTFD Rule that there is no objection in the proposed area used for establishment of Iron Ore Gridding & Benefaction unit and intake well and water pumping station. The resolution copy of the Grama Sabha (Page No. 3), Map (Page No. 52) voter list (Page No. 53 to 72) still photograph & C.D. including land scheduled are attached.

Mouza	Khata No.	Plot No.	Kissam	Area Ac	Area Ha.	Status of land as on 25.10.1980	
						Sabik Plot	Kissam
Gobardhanpur	74	529	Patita	0.61	0.247	40	Jungle
	74	452/649	Patita	0.10	0.041	40	Jungle
	74	575	Patita	0.23	0.093	40	Jungle
	74	634	Patita	0.31	0.126	234	Jungle
	74	539/702	Patita	0.22	0.089	40	Jungle
	74	566/707	Patita	0.10	0.041	40	Jungle
	74	601/771	Patita	3.14	1.272	234	Jungle
	75/3	598	Patita	0.64	0.259	234	Jungle
Total				5.35	2.168		

Basing on the Joint enquiry reports of President/Secretary of F.R.C/ Tahasildar, Barbil/ Forest Range Officer, Barbil/Champua along with Grama Sabha proceeding & Certificate furnished by Tahasildars, P.E.Os, the SDLC committee come to the conclusion that:-

a. The complete process for identification and settlement of rights under the FRA has been carried out for the entire forest land proposed land for diversion. A copy of proceedings of FRC(S) and Gram Sabha(S) are enclosed.

b. The proposal for such diversion in vernacular/Local language have been placed before each concerned Grama Sabha of forest dwellers, who are eligible under FRA as revealed from the proceedings of the respective Grama Sabhas.

c. Each of the concerned Grama Sabha(S) has certified that all formalities/process 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 purpose and details of proposed diversion. A copy of Grama Sabha resolutions enclosed.

d. It reveals from the enquiry report furnished by Revenue & Forest personnel the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present.

e. It reveals from the enquiry report furnished by Revenue & 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 areas.

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 & Forest personnel.

g. It reveals from the proceedings of the Gram Sabhas / Certificate furnished by the Tahasiladar, Barbil that no ST or OTFD were in possession of the forest land proposed for diversion before 13.12.2005.

h. 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 proposed land for diversion and the right of PVTG & PAC are not affected.

After discussion in SDLC consensually decided to recommend issue of certificate of compliance of ST & OTFD (RFR) Act, 2006 submitted by User Agencies M/S Odisha Mining Corporation Ltd. measuring of an area 26.302 Ha. and M/S JSW Utkal Steel Ltd. measuring of an area Ac. 55.99 (22.671 Ha.) to DLC for taking further necessary action.

Sl. No	Name of the Mines	Name of the village	Area in Ha. against which compliance certificate recommended
1.	M/S Odisha Mining Corporation Ltd., Banspani Iron Ore Mines	Banspani	4.063 Ha.
		Khuntapani	22.239 Ha.
		Total	26.302 Ha.
2.	M/S JSW Utkal Steel Ltd	Bhagalpur	3.834 Ha.
		Lahanda	15.628 Ha.
		Kandara	1.041 Ha.
		Gobardhanpur	2.168 Ha.
		Total	22.671 Ha. (Ac 55.97)

Agenda No.3:-Correction of ROR & Demarcation of land & preparation of map of IFR:-

Sub-Collector-Cum-Chairman SDLC reviewed the progress of the Demarcation, Correction of ROR & Preparation of Map of IFR. A.D.W.O, Champua presented the Tahasil wise progress of Demarcation, Correction of ROR in the meeting as follows:-


Sl.No.	Name of the Tahasil	No. of claims approved by the DLC	No of Titles distribute	No of titles demarcate	No. of ROR correction	Pending to ROR
1.	Jhumpura	2158	2138	753	390	1748
2.	Joda	1424	1376	818	353	1026
3.	Champua	1358	1301	378	192	1109

Sub-Collector-Cum-Chairman SDLC displeased on the progress of the said work and instructed to complete demarcation, correction of ROR & preparation of Map of IFR beneficiaries by 31st December 2019. Advised to all Tahasildar to fix up the target to Amins working under FRA month wise to expedite for completion of work. Tahasildars were also requested to submit the achievement report of Amins monthly to this office for release of their remuneration henceforth.

The Tahasildar Barbil complained that there is no individual case records of IFR beneficiary in Tahasil office for demarcation and correction of ROR as per target fixed by the PA,ITDA, Keonjhar. Tahasildar, Barbil requested to supply the approved list of IFR beneficiaries in SDLC for necessary reconciliation.

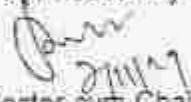
Sub-Collector-cum-Chairman of the Committee instructed to the ADWO to supply the list in soft copy to all Tahasildar for quick completion of said work. Sub-Collector advised to all line deptt. to work jointly with full co-operation.

The meeting was ended with vote of thanks to the Chair.


Sub-Collector-cum-Chairman,
SDLC, Champua.


Memo No. 6957 Dt. 15.11.19

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. 6958 Dt. 15.11.19

Copy submitted to the PA, ITDA, Keonjhar-cum-Nodal Officer, DLC, Keonjhar for information and necessary action.


Sub-Collector-cum-Chairman,
SDLC, Champua

Memo No. 6959 Dt. 15.11.19

Copy submitted to the Collector & District Magistrate, Keonjhar for kind information.


Sub-Collector-cum-Chairman,
SDLC, Champua



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Tulasi Maonkud

Radmini Dash

ନିରଞ୍ଜନୀ ଦାଶ
Prinai Dash
Reena Naik

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GANESH MAHAKUD

Sudarsan Patra

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Pragyan Mahakud

Kishore Mahakud

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Udaya Gramapanchayat

W/o. Debnar, P S/B:ook-Jc

Dist-Keonjhar, Pin-758001

Odisha

Verified with Electoral

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109) କାହାଣୀ (ମୃତ) ନାମ 316

110) କାହାଣୀ ନାମ 456

111) ଦୁର୍ଗା ମୃତ 341

112) ଦମିତା ନାମ

113) Pakitranam 12

114) ପ୍ରାଣନାଥ 456

115) Padmini 123

116) ମୃତମୃତ 123

117) ପ୍ରାଣନାଥ ମୃତ 123

118) ପ୍ରାଣନାଥ ମୃତ 123

119) ପ୍ରାଣନାଥ ମୃତ 123

120) ପ୍ରାଣନାଥ ମୃତ 123

121) ପ୍ରାଣନାଥ ମୃତ 123

122) ପ୍ରାଣନାଥ ମୃତ 123

123) ପ୍ରାଣନାଥ ମୃତ 123

124) ପ୍ରାଣନାଥ ମୃତ 123

125) ପ୍ରାଣନାଥ ମୃତ 123

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124 श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास

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श्री श्री रामदास - श्री श्री 511

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श्री श्री रामदास

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136

Shri Shri Ramdas

497

137

Shri Shri Ramdas

508

138

Rajkumar Das

22

139

श्री श्री रामदास

505

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श्री श्री रामदास

512

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श्री श्री रामदास

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142

श्री श्री रामदास

37

143

श्री श्री रामदास

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144

श्री श्री रामदास

7

145

श्री श्री रामदास

35

146

Verified with Electors' Roll Part No. 26 of Village Doolhar and found correct.

PE OGRS, Doolhar GP.

- 126 ସନା ସାମୁଆଁ ୨୩୩
- 127 ସନା ସାମୁଆଁ ୨୩୩
- 128 ସନା ସାମୁଆଁ ୨୩୩
- 129 ସନା ସାମୁଆଁ ୨୩୩
- 130 ସନା ସାମୁଆଁ ୨୩୩
- 131 ସନା ସାମୁଆଁ ୨୩୩
- 132 ସନା ସାମୁଆଁ ୨୩୩
- 133 ସନା ସାମୁଆଁ ୨୩୩
- 134 ସନା ସାମୁଆଁ ୨୩୩
- 135 ସନା ସାମୁଆଁ ୨୩୩
- 136 ସନା ସାମୁଆଁ ୨୩୩
- 137 ସନା ସାମୁଆଁ ୨୩୩
- 138 ସନା ସାମୁଆଁ ୨୩୩
- 139 ସନା ସାମୁଆଁ ୨୩୩
- 140 ସନା ସାମୁଆଁ ୨୩୩
- 141 ସନା ସାମୁଆଁ ୨୩୩
- 142 ସନା ସାମୁଆଁ ୨୩୩
- 143 ସନା ସାମୁଆଁ ୨୩୩
- 144 ସନା ସାମୁଆଁ ୨୩୩
- 145 ସନା ସାମୁଆଁ ୨୩୩
- 146 ସନା ସାମୁଆଁ ୨୩୩

Verified with Electoral Roll Part
No. 24 of Village Dabha
and 100/1000
P.E.D/G.S. Dabha GP

11/11/2011

140. 4th Jan 73
 141. 5th Jan 67
 142. 6th Jan 76
 143. 7th Jan 70
 144. 8th Jan 77
 145. 9th Jan 82
 146. 10th Jan 75
 147. 11th Jan 73
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120 Subodh Chandra Mishra 525
 121 Subodh Chandra Mishra 524
 122 Parashanara Mishra 524

123 Pramod Mishra 524

124 Sanjay Munda 525

125 Subodh Chandra Mishra 524

126 Subodh Chandra Mishra 524

127 Subodh Chandra Mishra 524

128 Parashanara Naik 524

129 Subodh Chandra Mishra 524

130 Ananta Naik 524

131 Subodh Chandra Mishra 524

132 Subodh Chandra Mishra 524

133 Subodh Chandra Mishra 524

134 Subodh Chandra Mishra 524

135 Subodh Chandra Mishra 524

136 Subodh Chandra Mishra 524

137 Subodh Chandra Mishra 524

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139

Verified with Electoral Roll Part

No. 5

and Part

P.E. GRS, Deojhar G.P.

Scanned by CamScanner

199 Hiral Kumbhakar Nayak 157

200 Hiral Kumbhakar Nayak 157

201 Kopalata Nayak 157

202 Kopalata Nayak 157

203 Hiral Kumbhakar Nayak 157

204 Hiral Kumbhakar Nayak 157

205 Kopalata Nayak 157

206 Kopalata Nayak 157

207 Chandani Nayak 157

208 Sarala Nayak 157

209 Hiral Kumbhakar Nayak 157

210 Kopalata Nayak 157

211 Kopalata Nayak 157

212 Kopalata Nayak 157

213 Saraswati Nayak 157

214 Kopalata Nayak 157

215 Hiral Kumbhakar Nayak 157

216 Hiral Kumbhakar Nayak 157

217 Hiral Kumbhakar Nayak 157

218 Hiral Kumbhakar Nayak 157

219 Hiral Kumbhakar Nayak 157

- 219/1 Ltrud. sargamni munda 343
- 220 Ltrud. Nitimba munda 354
- 221 Ltrud. Baruni munda 420
- 222 Ltrud. sargdobi Naik 145
- 223 Ltrud. sargoni 32
- 224 Ltrud. padmini patta 123
- 225 Aswini Naik 222
- 226 Nirupama Naik 208
- 227 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ
- 228 ପ୍ରମିଳା ନାୟକ
- 229 Satyabhama Naik
- 230 Samati Naik 201
- 231 Sukumade Naik 200
- 232 Jasda Das
- 233 Motestemi Naik
- 234 Reena Naik 171
- 235 ପ୍ରମିଳା ନାୟକ 134
- 236 ଶ୍ରୀମତୀ ଶ୍ରୀମତୀ 432
- 237 Sujata Das 202
- 238 Reena Naik x
- 239 padmini Doshi 135
- 240 Sabi Harapan Naik 184

Deolhar Grampanchayat
Deolhar, P.S. Borkhar
Deolhar, Pin-751013
Orissa

Verified with Electoral Roll Part
No. 126 of Village Deolhar /
and found correct

241 श्री १/१/१ १/१/१ १/१/१

242 श्री १/१/१ १/१/१ १/१/१

243 श्री १/१/१ १/१/१ १/१/१

244 श्री १/१/१ १/१/१ १/१/१

245 श्री १/१/१ १/१/१ १/१/१

246 श्री १/१/१ १/१/१ १/१/१

247 श्री १/१/१ १/१/१ १/१/१

248 श्री १/१/१ १/१/१ १/१/१

249 श्री १/१/१ १/१/१ १/१/१

250 श्री १/१/१ १/१/१ १/१/१

251 श्री १/१/१ १/१/१ १/१/१

252 श्री १/१/१ १/१/१ १/१/१

253 श्री १/१/१ १/१/१ १/१/१

254 श्री १/१/१ १/१/१ १/१/१

255 श्री १/१/१ १/१/१ १/१/१

256 श्री १/१/१ १/१/१ १/१/१

257 श्री १/१/१ १/१/१ १/१/१

258 श्री १/१/१ १/१/१ १/१/१

259 श्री १/१/१ १/१/१ १/१/१

Verified with Electoral Roll Part
No. 75
and found correct
P.E. OGRS, Deogarh G.P.

Scanned by CamScanner

260 Lt. Jey - Nanda

261 Lt. Ramesh Nanda

262 Lt. Chann Nanda

263 Lt. Ramesh Nanda

264 Lt. Chann Nanda

265 Lt. Nanda, Nanda

266 Lt. Nanda, Nanda

267 Lt. Nanda, Nanda

268 Lt. Nanda (Jaya Nanda Nanda)

269 Chinnaya Nanda

270 Lippa Nanda

271 Lt. Nanda, Nanda

272 Lt. Nanda, Nanda

273 Lt. Nanda, Nanda

274 Lt. Nanda, Nanda

275 Lt. Nanda, Nanda

276 Lt. Nanda, Nanda

277 Lt. Nanda, Nanda

Stamp
N. Nanda, P. Nanda
N. Nanda, P. Nanda
N. Nanda, P. Nanda

Lt. Nanda, Nanda
No. 26
and found correct
N. Nanda, P. Nanda

3.85

- 280 Lti Dushanta Karki 151
- 281 Lti Rabin Mondal 127
- 282 Satrugha Mahanta 230
- 283 Rathi maha Kund 261
- 284 Lti Koro Naik 213
- 285 Lti Sujata Naik 346
- 286 Rathi Karki 249
- 287 Rathi Karki 287
- 288 Lti Shambhu Mondal 218
- 289 Lti Chandra Mondal 218
- 290 Rathi Karki 254
- 291 Rathi Karki 371
- 292 Rathi Karki 362
- 293 Lti Ram Chandra Mondal 371
- 294 Lti Basanti Mondal 371
- 295 Lati Mondal 358
- 296 Rathi Karki 371
- 297 Lti Mahanti Mondal 384
- 298 Rathi Karki 371
- 299 Lti Magali Puri 371

Verified with Electoral Roll Part
No. 76 of Village, Panchayat
and found correct

Signature of Sarpa
Grampanch
Deogarh, P.S./Block
Pin-781001

3/31 11:50
2000 No. 2

3/30 Lt. Samiya Munda

3/29 Lt. Guruchan Munda

3/28 Lt. Benja Munda

3/27 Lt. Surin Mani Munda

3/26 3/4/2 2/11

3/25 Lt. Mandar Munda

3/24 3/4/2 2/11

3/23 Lt. Guruchan Munda

3/22 Lt. Guruchan Munda

3/21 3/4/2 2/11

3/20 Lt. Surin Mani Munda

3/19 Lt. Mangal Munda

3/18 Lt. Guruchan Munda

3/17 Lt. Munda

3/16 Lt. Munda

Verified with Electoral Roll Part

No. 2

and found correct

3/16



CH. [illegible]

100

[illegible]

101



CH. [illegible]



102

[illegible]

103

104

[illegible]

105



CH. [illegible]

106

107

[illegible]

108



[illegible]

109

110

[illegible]

111

112

[illegible]

113

114

[illegible]

115

116

[illegible]

117

118

[illegible]

119

120



CH. [illegible]

121

122



CH. [illegible]

123

124



CH. [illegible]

125

[illegible]

Verified with Electoral Roll, Part No. [illegible] of Village [illegible] and found correct.

DE OGRS, Deolhar G.P.

332 Lti. Indrani ...

333 Gauri Charan ...

334 Lti. dasama ...

335 Lti. Laxmi ...

336 ...

337 ...

338 ...

339 ...

340 ...

341 Lti. ...

342 ...

343 Lti. ...

344 Lti. ...

345 ...

346 ...

347 Lti. ...

348 ...

349 Lti. ...

Verified with Electoral Roll

No. of Village

and found correct.

PEOGRS, Deogarh GP

Mangal ...

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

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No. of page
and found correct.

Gopal S. Narayan
 Panchayat Executive Officer
 Gopal S. Narayan
 JODA BLOCK

JODA BLOCY
D. P. Pringle
W. E. D.
Joda

Revenue Inspector
Bilepeta, Keonjhar

[illegible]

Rebali Nark
 40/70 arapa
 Grampanch
 S. Bior
 11/12/77
 Odisha

ସମ୍ପାଦକ
Rajeshwar Singh
ଶ୍ରୀମତୀ ସୁଲତା ଦେବୀଙ୍କ ପରିଚାଳନା
ଅଧ୍ୟକ୍ଷ ଶ୍ରୀମତୀ ସୁଲତା ଦେବୀ
ଗ୍ରନ୍ଥାଳୟ ଅଧିକାରୀ ଜଣକ
ଗ୍ରାମ-ଆବାସଭବନ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର

ମାନ୍ଗଲ ସିଂହ ମୁନ୍ଦା

ମାନ୍ଗଲ ସିଂହ ମୁନ୍ଦା

ମାନ୍ଗଲ ସିଂହ ମୁନ୍ଦା

ମାନ୍ଗଲ ସିଂହ ମୁନ୍ଦା

ମାନ୍ଗଲ ସିଂହ ମୁନ୍ଦା

Verified with Electoral Roll Part

No. 74 of Village Panchayat

and found correct

Signature

P.E. Office, Deojhar G.P.

Grampanch
Panchayat
Deojhar, P.S./Blor
Pin-74

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

Mangal Munda

Signature

Grampanch

Deojhar, P.S./Blor

Pin-74

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ, ଡୋଜହାର, ଡାକ୍ତରୀ

Mangal Munda

Signature

Grampanch

Deojhar, P.S./Blor

Pin-74