

Letter No: JSL/KLPN/2022/135
Date: 30.08.2022

To,
The Divisional Forest Officer,
Cuttack Forest Division,
Cuttack, Odisha.

Sub: Proposal for non-forestry use of 66.20 ha forest land (including safety zone area 1.899 ha) under Section 2 (ii) of the Forest (Conservation) Act, 1980 in respect to Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kaliapani and Forest Block No. 27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division.

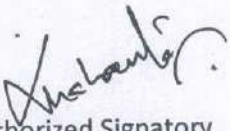
Ref : (1) File No. 8-68/2000-FC (pt.), dated 29.03.2022
: (2) Our Proposal No. FP/OR/MIN/20736/2016

Dear Sir,

With reference to the above we, Jindal Stainless Limited here by submitting the Point wise Compliance report against the Conditions stipulated in Stage-I approval accorded vide: File No. 8-68/2000-FC (pt.), dated: 29.03.2022 by Ministry of Environment, Forest and Climate Change, New Delhi, Government of India, in respect of Jindal Chromite Mines of Jindal Stainless Limited, Jajpur, Odisha.

Submitting for your kind information and necessary action at your end please.

Yours faithfully,
Thanking You,
For Jindal Stainless Limited,


Authorized Signatory
Jindal Chromite Mines

Encl.: Compliance Report with all Annexures.

Received
Bm
31/9/2022
Jindal Stainless Limited

Point wise Compliance report against the Conditions stipulated in Stage-I approval accorded vide: File No. 8-68/2000-FC (pt.), dated: 29.03.2022 by Ministry of Environment, Forest and Climate Change, New Delhi, Government of India, in respect of Jindal Chromite Mines of Jindal Stainless Limited, Jajpur, Odisha.

A. Conditions which need to be complied prior to handing over of forest land by the State Forest Department and compliance is to be submitted prior to Stage-II approval:

Sl. No.	Condition	Compliance
1	Condition No. (i) The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars, if required on the CA land, shall be deposited in advance with the Forest Department by the user agency. The CA will be maintained for 10 years. The scheme may include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years;	The cost of Compensatory Afforestation has been approved by Chief Conservator of Forests, Forest Diversion & Nodal Office, FC Act, PCCF, Odisha; vide memo no. 16346, dated 23.08.2022 in revised wage rates of Rs.326/- per man-day for Rs. 3,71,94,200/-. Accordingly the amount has been deposited in two phases to Ad-hoc CAMPAs, New Delhi vide RTGS Challan No.CNRBR52022060883982179 on date: 08.06.2022 & UTR No. CNRBR52022090289084231, on date: 02.09.2022. Besides the amount of Rs 10, 00,000/- as approved to be provided in kinds is in process and will be supplied soon. Copy of the e-payment through Challan is enclosed as Annexure- A/I
2	Condition No. (ii) 25% of the CA cost additionally will be spent towards soil and moisture conservation activities in the proposed CA area as per site requirement and deposited in CAF;	25% of the CA cost additionally an amount of Rs. 33, 47,571 /-has been approved including the CA cost Rs. 3, 71, 94,200/- by Chief Conservator of Forests, Forest Diversion & Nodal Office, FC Act, PCCF, Odisha; vide memo no. 16346, dated 23.08.2022 has been deposited in Ad-hoc CAMPAs account vide UTR No. CNRBR52022090289084231, on date: 02.09.2022 for soil and moisture conservation activities in the Proposed CA area. Copy of the approved revised demand letter & e-payment through Challan is enclosed as Annexure- A/II
3	Condition No. (iii) The non-forest land identified for CA shall be transferred and mutated in favour of the State Forest Department and subsequently notified by the State Government as RF under Section-4 or PF under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act before Stage-II approval. A copy of final Notification shall be submitted along with the compliance of Stage-I approval;	The non-forest land identified over an area of 65.645ha. for CA has been transferred and mutated in favour of the State Forest Department. Further State Government has Notified the identified area as PF under Section-29 of the Indian Forest Act, 1927. The details of land mutation, copies of RoR and copies of PF Notification are enclosed as Annexure- A/III
4	Condition No. (iv) The KML files of diverted area, the CA areas, the proposed SMC treatment area and the WLMP area shall be uploaded on the e-Green watch portal with all requisite details prior to Stage-II approval;	KML files of diverted area, the CA areas, the proposed SMC treatment area and the WLMP area has been uploaded on the e-Green watch portal. KML file of the diverted area, CA Area, the proposed SMC treatment area and the WLMP area & the necessary undertaking is enclosed as Annexure- A/IV
5	Condition No. (v) The State Government shall levy penal NPV on the	Jindal Stainless Limited is being abide by the direction of Hon'ble High court and will be followed the instruction of

	user agency w.e.f. 2015 onwards till 2019, in accordance with the concerned provisions made the FC Act, 1980 on account of mining operations carried out in 66.20 ha without prior approval of Central Government under the FC Act, 1980, Relief if any, considered by Hon'ble High Court, during the course of future hearing in the matter, for penal NPV stipulated herewith will be dealt as per direction of Hon'ble High court;	State and Central Govt. thereof. JSL undertake to pay the penal NPV as per the direction of the Hon'ble High Court. Undertaking is enclosed as Annexure- A/V
6	Condition No. (vi) Afforestation of the non-mineralized virgin forest land within the mining area shall be taken up at project cost. All such areas shall be earmarked on a map and KML files of such areas shall be submitted along with detail plan for plantation;	The Scheme for non-mineralized virgin forest land of 2.30 Ha. within the mining lease area has been approved by RCCF, Angul Circle, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022, with an financial forecast of an amount of Rs. 12,77,229/-. Necessary undertaking and copy of the approved Plan/Scheme is enclosed as Annexure- A/VI
7	Condition No. (vii) The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the guidelines issued by this Ministry vide its letters No.5-3/2011-FC(Vol.) dated 06.01.2022 and 19.01.2022. The requisite funds shall be transferred through online portal into Ad-hoc CAMPA account of the State Concerned; new NPV guidelines;	NPV of the forest land being diverted under this proposal, as per the guidelines issued by this Ministry vide its letters No.5-3/2011-FC (Vol.) dated 06.01.2022 and 19.01.2022 has been deposited and transferred of an amount of Rs. 9,05,82,836/- through online portal into Ad-hoc CAMPA account as per the new NPV guidelines issued by MoEF & CC, Govt. of India. Necessary Undertaking and the copies of NPV payment is enclosed as Annexure- A/VII
8	Condition No. (viii) Compensatory levies to be realized from the User Agency under the project shall be transferred/ deposited through, e-challan, in to the account of CAMPA pertaining to the State concerned though e-portal (https://paresh.nic.in/);	Compensatory levies have been deposited in to CAMPA account as follows: 1) CA : Rs. 03,71,94,200/- 2) NPV : Rs. 09,05,82,836/- 3) RWLMP : Rs. 17,80,000/- 4) Afforestation on Degraded Forest Land measuring 1.5 times the area under Safety Zone : Rs. 27,50,052/- 5) Scheme for Gap Planting and SMC activities to restock and rejuvenate the degraded open forest 100 meter from outer perimeter of the ML area : Rs. 29,15,055/- Copy of e-challan of payment for Compensatory levies into the account of CAMPA is enclosed as Annexure- A/VIII
9	Condition No. (ix) The User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meters from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF&CC before Stage-II Clearance;	The scheme for gap planting and SMC activities to restock and rejuvenate the degraded open forests of an area of 3.18ha (having crown density less than 0.40) located within 100 meters from outer perimeter of the Mining Lease has been approved by RCCF, Angul Circle, vide memo no. 3483, dated 22.08.2022 of an amount of Rs. 29,15,055/-. The approved amount of Rs. 29, 15,055/- has been deposited through online portal in to Ad-hoc CAMPA account, vide UTR No. CNRBR52022090289084231, on date: 02.09.2022. Approved Plan/scheme, Copies of online payment and necessary undertaking is enclosed as Annexure- A/IX

10	Condition No. (x) The User Agency shall prepare a list of existing village tanks and other water bodies with GPS co-ordinates located within five km from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage-II approval;	The Scheme for de-silting of the exiting village tanks and other water bodies located within five km from the mine lease boundary has been approved by RCCF, Angul Circle, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022, with an amount of Rs. 37, 26,000/-. The approved Plan/Scheme along with the list of identified ponds and water bodies with GPS Co-ordinates and necessary undertaking to implement the approved scheme, are enclosed as Annexure- A/x
11	Condition No. (xi) The cost of felling of trees shall be deposited by the User Agency with the State forest Department;	Undertaking to deposit the cost of felling of trees as per demand of DFO, Cuttack enclosed as Annexure- A/xI
12	Condition No. (xii) State Government shall complete settlement of rights, in term of the Scheduled Tribes and Traditional Forest Dwellers (Recognition of Forest Rights Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence along with compliance of Stage-I approval, as prescribed by this Ministry's letter No: 11-9/1998 FC (Pt.) dated 03.08.2009 read with 05.07.2013, in support thereof;	Certificate under FRA, 2006 over an area of 66.20ha. of Forest Land to be diverted has been issued by Collector Jajpur, vide: 1) Certificate no.947, dated 03.05.2016 over an area of 64.301 ha. and 2) Certificate no. 8873, dated 29.06.2022 over an area of 1.899 ha. (Total = 64.301 ha. + 1.899 ha. = 66.20 ha of Diversion area) Copy of FRA certificates along with proceedings of DLC,SLDC & Gram sabha resolution are enclosed as Annexure - A/xII

B. Conditions which need to be complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval :-

No.	Condition	Compliance
13	Condition No.(i) Legal status of the diverted forest land shall remain unchanged;	Necessary Undertaking is enclosed as Annexure- B/I
14	Condition No.(ii) An Approved plan for appropriate mitigative measures to minimize soil erosion and choking of drains shall be submitted. Observations and recommendation contained in the inspection report of the IRO should be taken into consideration while preparing the plan. Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease area to arrest soil erosion shall be enforced. Construction of check dam, retention wall/ toe walls to arrest sliding down of excavated materials along the contours shall be planned;	Scheme for appropriate mitigative measures to minimize soil erosion and choking of drains has been approved by RCCF, Angul Circle with an financial outlay of Rs. 6,40,000/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. Scheme for Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease area to arrest soil erosion is prepared and approved by RCCF, Angul Circle with an financial outlay of Rs. 13,89,665/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022.

		<p>Scheme for Construction of check dam, retention /toe walls to arrest sliding down of the excavated materials along the contours is prepared and approved by RCCF, Angul Circle with an financial outlay of Rs. 16,03,505/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022.</p> <p>Necessary Undertaking and the approval of Plan /Scheme is enclosed as Annexure- B/II</p>
15	<p>Condition No.(iii) Creation and maintenance of alternate habitat for avifauna whose nesting trees have been cleared are to be taken up by User agency;</p>	Necessary undertaking is enclosed as Annexure- B/III
16	<p>Condition No.(iv) The project authority needs to take up works for construction and cleaning of garland drains, stabilizing retaining walls, proper terracing of OB dumps and checking gully formation resulting in soil erosion;</p>	<p>The Scheme has been approved by RCCF, Angul Circle with a financial outlay of Rs. 1, 26, 67,330/-.</p> <p>Necessary undertaking and the approval of Plan /Scheme is enclosed as Annexure- B/IV</p>
17	<p>Condition No.(v) Plants which are having lowest translocation factor can be preferred under afforestation on the OB dumps and fruit trees to be avoided in planting during biological stabilization of OB dumps;</p>	<p>The Scheme has been approved by RCCF, Angul Circle with a financial outlay of Rs. 1, 26, 67,330/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022.</p> <p>Necessary Undertaking and approval of Plan /Scheme is enclosed as Annexure- B/V</p>
18	<p>Condition No.(vi) Prevention of fall of wild animals into mining pit by fencing the open pit area to be ensured;</p>	<p>Undertaking to fence the open pit area for prevention of fall of wild animals into mining pit is enclosed as Annexure- B/VI</p>
19	<p>Condition No.(vii) The angle of repose in OB dumps to be maintained to ensure stability and safety;</p>	<p>Undertaking to maintain the angle of repose in OB dumps to ensure stability and safety is enclosed as Annexure- B/VII</p>
20	<p>Condition No.(viii) Vetiver grass can be planted at the lower reaches of the dump to bind the soil and prevent soil erosion giving better stability to the dump;</p>	<p>Necessary undertaking is enclosed as Annexure- B/VIII</p>
21	<p>Condition No.(ix) The Compensatory afforestation over equivalent non-forest land, shall be raised by the State Forest Department at the project cost. At least 1000 saplings per ha shall be planted over admissible CA land. If this not possible to plant these many seedlings in the identified NFL, the balance seedlings will be planted in degraded forest land as per the prescription of the Working Plan at the cost of the User Agency. In such cases CA cost will be revised and duly approved by the competent authority and deposited online in the CAF managed by the CAMPA;</p>	<p>Compensatory Afforestation scheme over an Area of 65.645 ha of Non Forest Land has been approved@1000 plants/ha. by Chief Conservator of Forests, Forest Diversion & Nodal Office, FC Act, PCCF, Odisha; vide memo no. 16346, dated 23.08.2022.</p> <p>The approved financial outlay of Rs. 3,71,94,200/- for the Compensatory Afforestation Scheme of 65.645 ha has been deposited through online in the CAF vide</p> <p>1) UTR No. CNRBR52022060883982179 on date: 08.06.2022 for amount Rs.3,15,85,600/-</p> <p>2) UTR No CNRBR52022090289084231 , on date: 02.09.2022 for amount Rs.56,08,600/-</p> <p>The details of Payment and necessary undertaking is enclosed as Annexure- B/IX</p>
22	<p>Condition No.(x) At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an</p>	<p>Necessary undertaking to pay the additional amount of NPV, if so determined in future is enclosed as Annexure- B/X</p>

	undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;	
23	Condition No.(xi) Trees should be felled in phased manner as per requirement in the approved Mining Plan with prior permission of concerned DFO;	Undertaking for felling of trees in phased manner as per requirement in the Approved Mining Plan with prior permission of concerned DFO is enclosed as Annexure- B/xi
24	Condition No.(xii) The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;	Undertaking to explore the possibility of translocation of maximum number of trees identified to be felled and to ensure that any tree felling shall be done only when it is unavoidable and under strict supervision of the State Forest Department, is enclosed as Annexure- B/xii
25	Condition No.(xiii) The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addl. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed;	Copy of Mining plan approval letter and necessary undertaking is enclosed as Annexure- B/xiii
26	Condition No.(xiv) Following activities, as per approved plan / schemes, shall be undertaken in the lease area by the User Agency under the supervision of the State Forest Department. Approved scheme/plan shall be submitted to the Ministry along with compliance of Stage-I approval: -	
	a. Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of Stage II clearance in accordance with the approved Plan in consultation with the State Forest Department;	Scheme /Plan have been approved by RCCF, Angul Circle with a financial outlay of Rs. 6, 40,000/- vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. In this regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure- B/xiv
	b. Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme;	Scheme /Plan has been approved by RCCF, Angul Circle with a financial outlay of Rs. 13, 89,665/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. In this regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure- B/xv
	c. Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme;	Scheme /Plan has been approved by RCCF, Angul Circle with a financial outlay of Rs. 16, 03,505/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. In this regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure- B/xvi
	d. Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of	Scheme /Plan has been approved by RCCF, Angul Circle with an financial outlay of Rs. 1,26,67,330/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. In this

	repose at any given place is less than 28°; and	regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure- B/XVII
	e. No damage shall be caused to the top-soil and the user agency will follow the top soil management plan;	Scheme /Plan has been approved by RCCF, Angul Circle with a financial outlay of Rs. 3, 54,420/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. In this regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure- B/XVIII

Condition No. (XV) Safety Zone Management: Following activities, at project cost, shall be undertaken by the user agency for the management of safety zone as per relevant guidelines issued by the Ministry's guidelines: -

Sl. No.	Condition	Compliance
27	a. User agency shall ensure demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department;	Fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department. Accordingly, a Scheme has been approved for protection and Safety Zone area over 1.899ha by RCCF, Angul Circle with an financial outlay of Rs. 20,29,980/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. Approved Plan/Scheme and necessary undertaking is enclosed as Annexure- B/XV/I
	b. Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;	Necessary undertaking is enclosed as Annexure- B/XV/II
	c. Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department;	Scheme for protection and regeneration of Safety Zone over an area of 1.899ha has been approved by RCCF, Angul Circle with an financial outlay of Rs. 20,29,980/-, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022. Approved Plan/Scheme and necessary undertaking is enclosed as Annexure- B/XV/III
	d. Afforestation on degraded forest land to be selected elsewhere, measuring one and a half times the area under safety zone, shall also be done at the project cost under the supervisions of the State Forest Department. The degraded forest land (DFL) so selected will be informed to the MoEF&CC with shape files before Stage-II approval and afforestation will be done within three years from the date of Stage-II clearance and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department; and	In compliance to the condition that the degraded forest land identified over 3.0ha in Daitari DPF under Cuttack Forest Division, measuring one and a half times of the area under safety zone(1.899ha.). Accordingly, an afforestation Scheme along with Fencing, SMC and watering provision has been approved by RCCF, Angul Circle with an financial outlay of Rs. 27,50,052/-, vide memo no. 5601/5F(Forest Diversion) 61/2018, dated 23.08.2022. The approved amount of Rs. 27, 50,052/- has been deposited through online portal in to Ad-hoc CAMPA account, vide UTR No. CNRBRS2022090289084231, on date: 02.09.2022. Copy of approved Plan/Scheme and copy of Payment & necessary undertaking is enclosed as Annexure- B/XV/IV
	e. The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms;	Necessary Undertaking is enclosed as Annexure- B/XV/V

28	Condition No. (xvi) The User Agency shall comply with the Hon'ble Supreme Court order on re grassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner;	Necessary Undertaking is enclosed as Annexure- B/xv/vi
29	Condition No.(xiii) Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under;	Necessary Undertaking is enclosed as Annexure- B/xv/vii
30	Condition No.(xiv) The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;	Environmental Clearance is granted by MoEF & CC / SEIAA, Odisha vide: 1) EC No. J-11015/12/2000-IA.II(M), date 13.02.2001 2) EC No. J-11015/369/2009-IA.II(M), date 24.02.2016 3) EC Identification No. EC22B001OR115726, dated 04.04.2022. Copies of Environmental Clearance are attached as Annexure- B/xv/viii
31	Condition No.(xv) No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;	Necessary Undertaking is enclosed as Annexure- B/xv/ix
32	Condition No.(xvi) The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates;	Forest land, Mining Lease and Safety Zone has been demarcated by erecting four feet high reinforced cement concrete pillars inscribing with its serial number, distance from pillar to pillar and GPS coordinates and will be maintained accordingly. Necessary Undertaking and DGPS map of ML area is enclosed as Annexure- B/xv/x
33	Condition No.(xvii) The layout plan of the mining plan proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal;	Necessary Undertaking is enclosed as Annexure- B/xv/xi
34	Condition No.(xviii) The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government;	Necessary Undertaking is enclosed as Annexure- B/xv/xii
35	Condition No.(xix) No damage to the flora and fauna of the adjoining area shall be caused;	Necessary Undertaking is enclosed as Annexure- B/xv/xiii

36	<p>Condition No.(xx) User agency and the State Forest Department shall create and maintain from funds to be provided by the user agency alternate habitat/ home for the avifauna, whose nesting trees are to be cleared in this project as per the plan duly approved by the Principal Chief Conservator of Forests (Wildlife) and the Chief Wildlife Warden Odisha. Bird nests artificially made out of eco-friendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project;</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xiv</p>
37	<p>Condition No.(xxi) The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xv</p>
38	<p>Condition No.(xxii) The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xvi</p>
39	<p>Condition No.(xxiii) Any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife;</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xvii</p>
40	<p>Condition No.(xxiv) The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project and</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xviii</p>
41	<p>Condition No.(xxv) Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.</p>	<p>Necessary Undertaking is enclosed as Annexure- B/xv/xix</p>

Jindal Stainless Limited

(Signature)
Authorised Signatory

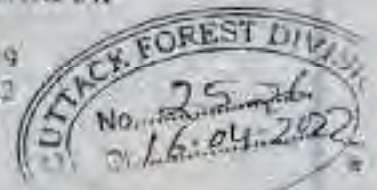


STATE FOREST HEADQUARTERS, ODISHA
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HOFF
PLOT NO.GD-2/12, ARANYA BHAWAN, CHANDRASEKHARPUR
BHUBANESWAR-751023

Memo No.
Dated, BBSR, the

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OFF NO. 1177/2019
12 April, 2022



The Divisional Forest Officer
Cuttack Athamallik Forest Division

- Sub:** Proposal for non-forestry use of 66.20 ha forest land (including safety zone area safety zone 1.899 ha) under Section 2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kallipani and Forest Block No.27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division-regarding
- Ref:** Memo No.6449/ FE & CC dated 02/04/2022 of OSD-cum-Special Secretary to Government in FE & CC Department

In inviting a reference to the above cited correspondence of OSD-cum-Special Secretary to Govt. in FE&CC Deptt. to your address, you are requested to take necessary action in the matter at its earliest. The financial outlay for CA Scheme over an area 65.645 ha of non-forest Govt. land identified in village Serenda, Khamara, Badabahal, Gunthapada and Lohamunda under Kharasangan Tahasil of Handapa Range of Athamallik Forest Division pertaining to the above project amounting to Rs.3,25,85,600/- (Rupees Three crore twenty five lakhs eighty five thousand six hundred) only has been approved by CCF (FD & NO, FC Act) at the rate of Rs.150 per man day with 10 years maintenance. The approved financial outlay of the above project is enclosed herewith for information and necessary action. The DFO, Cuttack Forest Division is requested to raise demand on User Agency in respect of deposit cost of Compensatory Afforestation through web-portal of MoEF & CC.

Further, you are requested to raise the demand of all the compensatory levies on the user agency for payment through PARIVESH web portal of MoEF & CC and submit the deposit particular (in prescribed CAMPA format) of the amount paid pertaining the above project.

In view of above, you are requested to furnish the required compliance as stipulated in Part-A (12 Nos. which need to be complied prior to handing over of forest land by the State Forest Department & Part-B (25 nos. which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval) conditions imposed by Govt. MoEF & CC, New Delhi in their 'Stage-I-in-principle' approval order No.8-68/2000-FC (pt) dated 29.03.2022 and report on violation of FC Act, 1980 if any vide their letter under reference to this office immediately through your RCCT for onward transmission to Government of India, MoEF & CC, New Delhi.

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

Contd..P/2


Memo No. 8265 Dt. 13.04.2022
 Copy forwarded to the Principal Chief Conservator of Forests, (WL) & CWLW, Odisha for information & necessary action with reference to FE & CC Deptt. Memo No.6448/FE&CC dt.02.04.2022 to his address.


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

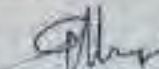
Memo No. 8266 Dt. 13.04.2022
 Copy forwarded to Regional Chief Conservator of Forests, Angul Circle for information & necessary action with reference to FE & CC Deptt.6449/FE&CC dt.02.04.2022 to his address.


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

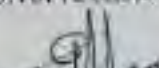
Memo No. 8267 Dt. 13.04.2022
 Copy forwarded to the Steel & Mines Department/ Revenue & Disaster Management Department / Director of Mines, Odisha / Director, Environment-cum-Special Secretary in Government, FE & CC Department/ Member Secretary, SPCB, Odisha / Collector, Jajpur/ Collector, Angul for information & necessary action with reference to FE & CC Deptt. Memo No.6450/FE&CC dt.02.04.2022 to their address.


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

Memo No. 8268 Dt. 13.04.2022
 Copy forwarded to the Authorized Signatory, M/s Jindal Stainless Ltd. At/Po-Kaliapani, Dist-Jajpur, Odisha, Pin-755047 for information and necessary action with reference to FE & CC Deptt. Memo No.6451/FE&CC dt.02.04.2022 to his address.


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

Memo No. 8269 Dt. 13.04.2022
 Copy forwarded to OSD-Cum-Special Secretary to Government, FE & CC Department for information and necessary action with reference to that Deptt. letter No:10F(Cons)58/2021-6447/ FE & CC dated 02.04.2022.


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

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22

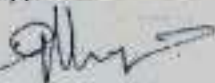
Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khumara, Badabahal, Gunthapada and Lohmunda under Kishore Nagar Tahasil of Hundara Range of Athmalik Forest Division of Angul District in lieu of diversion of Larra PRF of Jamankira (WL) Range of Bamtia (WL) Division under Sambalpur District in lieu of diversion of forest land for Jindal Chromite Mines, Kallapam in Sukinon Range under Jajpur District of M/s Jindal Stainless Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
A.	PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)	
1.	Cost of Block Plantation @ 1000 plants per ha over 65.645 ha @ Rs.1,55,689.80 per ha without provision of fencing with 10 years maintenance (1 years 6 months old seedling)	1,02,20,257.00
2.	Soil Conservation Measures:	
	(i) Cost of staggered trench of size 2.5 mt X 0.5 mt. X 0.5 mt @ 100 nos. per ha @ Rs.63.00 per staggered trench over 65.645 ha	4,13,564.00
	(ii) Cost of LBCD with size 10'X10'X5' (Procured from quarry) for 163 nos. @ Rs.886.29 per Cum X 9.90 Cum= Rs.8774.27 each over 65.645 ha	4,30,206.00
	Total (1+2)	1,20,64,027.00
3.	Add Escalation Cost (20%)	24,12,805.00
	Total (A)	1,44,76,832.00
4.	Cost of Angle Iron & Chain Link wire mesh fencing over 10.2 Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years maintenance (As per approved one-time cost norm for CA)	1,71,08,705.00
	Total	Rs.3,15,85,537.00 Or rounded off to Rs.3,15,85,600.00
B.	INFRASTRUCTURE (To be provided in land)	
5.	Cost of one Solar Plant	7,50,000.00
6.	Vehicle mounted LED wall for awareness	2,50,000.00
	Total (B)	10,00,000.00
	Grand Total	3,25,85,600.00

(Rupees Three Crore Twenty five lakhs eighty five thousand six hundred) only

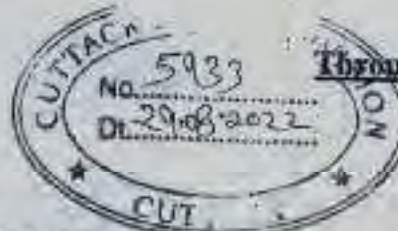
Approved



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

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

SF
Bm
26/8/2022



Through E-mail

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

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

Memo No. 16343 /9F (MG) - 377/2019
Dated, Bhubaneswar the 23rd August 2022

To

The Divisional Forest Officer
Cuttack Forest Division

Sub: Proposal for non-forestry use of 66.20 ha forest land (including safety zone area 1.899 ha) under Section 2(ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kuliapani and Forest Block No-27 of Mahagiri DPF in Sukloda Tahasil of Jajpur District under Cuttack Forest Division - Revised Financial outlay of CA Scheme @Rs 326/- per manday regarding.

Ref: This office Memo No. 8264 dated 13.04.2022

In continuation to this office memo on the subject cited above, it is to inform you that the revised financial outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamara, Badabahal, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Athnallik Forest Division pertaining to the above project has been approved by CCF (FD & Nodal Officer, FC Act) at prevailing wage rate of Rs.326/- per manday amounting to Rs 3,81,94,200/- (Rupees three crores eighty one lakhs ninety four thousand and two hundred) only which is enclosed.

You are requested to raise demand on the user agency for payment of the differential amount through web portal of MoEF & CC and submit the deposit particulars of the amount paid. Further, you are also requested to furnish the statement of funds towards compensatory levies deposited by the user agency in the prescribed CAMPA format duly signed by you alongwith the updated Stage-I compliance.

Encl - Revised financial outlay

Conservator of Forests (Nodal)

Memo No. _____ Dt _____

Copy forwarded to the RCCF, Angul Circle for information & necessary action in continuation to this office Memo No. 8266 dated 13.04.2022.

Conservator of Forests (Nodal)


P.T.O

1/21

Memo No. _____ Dt _____


Copy alongwith a copy of the revised financial outlay forwarded to the Divisional Forest Officer, Athmallik Forest Division for information & necessary action

Encl - Revised financial outlay


Conservator of Forests (Nodal)

Memo No. _____ /Dt _____

Copy forwarded to the Authorized Signatory, M/s Jindal Stainless Ltd, At/Po-Kaliapani, Dist-Jajpur, Odisha, Pin-755047 for information and necessary action in continuation to this office Memo No. 8269 dated 13.04.2022.


Conservator of Forests (Nodal)

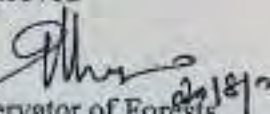
Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamara, Budabahal, Gunthapada and Luhamura under Kishore Nagar Tahsil of Handapa Range of Ahmaliik Forest Division of Angul District in lieu of diversion of forest land for Jindal Chromite Mines, Kaliapani in Sukinda Range under Jajpur District of M/s Jindal Stainless Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
A.	PLANTATION ACTIVITIES:	
	(To be deposited in Adhoc-CAMPA)	
1.	Cost of Block Plantation @ 1000 plants per ha over 65.645 ha @ Rs.1,75,251.46 per ha without provision of fencing with 10 years maintenance (1 years 6 months old seedling)	1,15,04,382.00
2.	Soil Conservation Measures:	
	(i) Cost of staggered trench of size 2.5 mt X 0.5 mt. X 0.5 mt @ 100 nos. per ha @ Rs.65.20 per staggered trench over 65.645 ha	4,28,005.00
	(ii) Cost of LBCD with size 10'X10'X5' (Procured from quarry) for 163 nos. @ Rs.8944.16 each over 65.645 ha	14,57,898.00
	Total (1+2)	1,33,90,285.00
3.	25% of CA cost towards additional SMC measures like staggered trenches, percolation pits, contour trench, Graded earthen bund, LBCD, wire mesh LBCD, Sub-surface dyke & WHS as per slope and site requirement	33,47,571.00
	Total	1,67,37,856.00
4.	Add Escalation Cost (20%)	33,47,571.00
	Total (A)	2,00,85,427.00
5.	Cost of Angle Iron & Chain Link wire mesh fencing over 10.2 Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years maintenance (As per approved one-time cost norm for CA)	1,71,08,705.00
	Total	Rs.3,71,94,132.00
		Or rounded off to
		Rs.3,71,94,200.00
B.	INFRASTRUCTURE (To be provided in kind)	
6.	Cost of one Solar Plant	7,50,000.00
7.	Vehicle mounted LED wall for awareness	2,50,000.00
	Total (B)	10,00,000.00
	Grand Total	3,81,94,200.00

(Rupees Three Crore eighty one lakhs ninety four thousand and two 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.

OFFICE OF THE DIVISIONAL FOREST OFFICER- CUTTACK FOREST DIVISION

AT - GHATAKULA, NUAPADA, CUTTACK-753010

E:khailal@cuttack.odisha.gov.in

No. 2874 /SF (Forest Division) 02/2022

Dated the 29 th April, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kathapuri, Disa- Jagpur,
Odisha, Pin-755047.

Sub:

Proposal for diversion of 66.20 ha. Forest land (including safety zone area 1.899ha.) Under Section 2(f) of Forest (conservation) Act 1980 in respect to Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kathapuri, under Sukinda Tahasil of Jagpur District (under Cuttack Forest Division)

Ref:

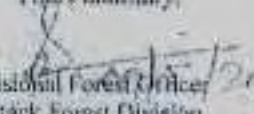
Memo No. 8264 dt. 13.04.2022 of the Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.

Sir

With reference to above correspondence it is to inform that Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act has technically approved the financial outlay of Rs.3,25,85,600/- (Rupees Three Crore Twenty Five Lakh Eighty Five Thousand Six Hundred) only towards Compensatory Afforestation scheme over an area of 65.643 ha of non-forest land identified in village Savenda, Khamara, Badabahal, Ghantapada and Lahananda under Kishorenagar Tahasil of Handapada Range of Athamalik Forest Division as per wage rate of Rs. 315/- per man-day with 10 years maintenance.

Hence, you are requested to make arrangement for payment of Rs. 3,15,85,600/- (Rupees Three Crore Fifteen Lakh Eighty Five Thousand Six Hundred) only with the Adhoc Body of CAMPA through the e-payment module and submit required evidence in respect of the payment to this office for reference and onward transmission. Similarly as per the approved scheme you are requested to provide one solar power plant and one vehicle mounted LED wall for awareness to the Divisional Forest Officer, Athamalik Division in kind.

Yours faithfully,


Divisional Forest Officer
Cuttack Forest Division

Copy for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Chief Conservator of Forest, Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.
3. The Divisional Forest Officer, Athamalik Division, Athamalik.

OFFICE OF THE DIVISIONAL FOREST OFFICER; CUTTACK FOREST DIVISION
AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

No. 565 /SF (Forest Diversion) 61 /2018

Dated, Cuttack the 25th August, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-75504.

Sub: - Proposal for diversion of 66.20 ha forest land (including safety zone area 1.899ha.)
Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite
Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil
of Jajpur District under Cuttack Forest Division.

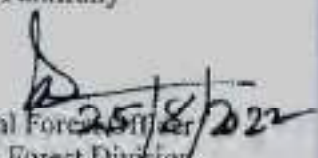
Ref: - Memo No.16346 dt.23.08.2022 of the Chief Conservator of Forests(Nodal), O/o
the PCCF & HoFF, Bhubaneswar, Odisha to your address.

Sir,

In inviting a reference to the memo cited above on the captioned subject, it is to
inform you that, the revised financial outlay for Compensatory Afforestation Scheme over an area
of 65.645 ha of Non-Forest Government land identified in village Serenda, Khannara, Budabahal,
Gunthapada and Luhanunda under Kishore Nagar Tahasil of Handapa Range of Athamalik
Forest Division pertaining to the above project has been approved by Chief Conservator of Forests
(Forest Diversion & Nodal Officer, FC Act), O/o PCCF & HoFF, Bhubaneswar with financial
outlay for Rs. 3,81,94,200.00/- at the wage rate @326/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the differential
amount Rs. 56,08,600.00 (Rupees Fifty-Six Lakh Eight Thousand Six Hundred)
(Rs.3,81,94,200.00 - Rs.3,15,85,600.00-Rs.10,00,000) only with the Adhoc body of
Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-
payment module & submit the receipt of the deposition to this office for ready reference.
Similarly, as per the approved scheme you are requested to provide one solar power plant and one
vehicle mounted LED wall for awareness to the Divisional Forest Officer, Athamalik Division in
kind.

Yours Faithfully


Divisional Forest Officer
Cuttack Forest Division

Copy for kind information to:

- (i)The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFF, Odisha,
Bhubaneswar.
- (ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5020736763
MoEFISG File No.	S-88/2008-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	11273707/-

Amount in Words : One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0886335
Pay to Account No.	150825820736763 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 : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5020736763
MoEFISG File No.	S-88/2008-FC PT.
Location.	ORRISA
Address:	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	11273707/-

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IFSC Code:	UBIN0886335
Pay to Account No.	150825820736763 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

UTR NO -> CNRBR52082090289084231

Date -> 08/09/2022



AGENCY COPY

यूनियन बैंक Union Bank



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 06-06-2022

Agency Name:	JINDAL STAINLESS LIMITED
Application No.	5820736219
MoEF/SG File No.	8-68/2000-FC PT.
Location:	ORRISA
Address:	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Odisha- 755 026 Jajpur
Amount(in Rs)	57198380/-

Amount in Words : Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150825820736219 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 : 06-06-2022

Agency Name:	JINDAL STAINLESS LIMITED
Application No.	5820736219
MoEF/SG File No.	8-68/2000-FC PT.
Location:	ORRISA
Address:	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Odisha- 755 026 Jajpur
Amount(in Rs)	57198380/-

Amount in Words : Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150825820736219 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

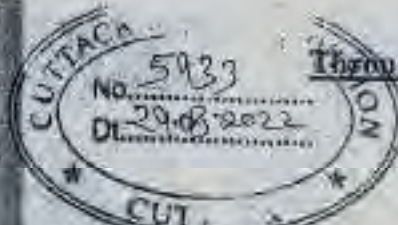
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After making successful payment, User Agencies may send a line of confirmation through Email: helpdeskcampa@corpbank.co.in

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

RTGS UTR नं. CNRBR52022060883982179
Date नं. 06/06/2022कृते केनरा बैंक
For Canara Bankमुख्य प्रबंधक/Chief Manager
जयपुर रोड / Jajpur Road-755019

SF
Bm
26/8/2022



Through E-mail

A/II

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 / nodal.pccfodisha@gmail.com

Memo No. 16343 /9F (MG) - 377/2019
Dated, Bhubaneswar the 23rd August 2022

To

The Divisional Forest Officer
Cuttack Forest Division

Sub: Proposal for non-forestry use of 66.20 ha forest land (including safety zone area 1.899 ha) under Section 2(ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kaliapani and Forest Block No-27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division - Revised Financial outlay of CA Scheme @Rs 326/- per manday regarding.

Ref: This office Memo No. 8264 dated 13.04.2022

In continuation to this office memo on the subject cited above, it is to inform you that the revised financial outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamra, Badabahal, Gunthapada and Luhamunda under Kiskore Nagar Tahasil of Handapa Range of Athmallik Forest Division pertaining to the above project has been approved by CCF (FD & Nodal Officer, FC Act) at prevailing wage rate of Rs.326/- per manday amounting to Rs 3,81,94,200/- (Rupees three crores eighty one lakhs ninety four thousand and two hundred) only which is enclosed.

You are requested to raise demand on the user agency for payment of the differential amount through web portal of MoEF & CC and submit the deposit particulars of the amount paid. Further, you are also requested to furnish the statement of funds towards compensatory levies deposited by the user agency in the prescribed CAMPA format duly signed by you alongwith the updated Stage-I compliance.

Encl - Revised financial outlay

Conservator of Forests (Nodal)

Memo No. _____ Dt _____

Copy forwarded to the RCCF, Angul Circle for information & necessary action in continuation to this office Memo No. 8266 dated 13.04.2022.

Conservator of Forests (Nodal)

P.T.O

1/21

Memo No. _____ Dt _____

Copy alongwith a copy of the revised financial outlay forwarded to the Divisional Forest Officer, Athmallik Forest Division for information & necessary action
Encl - Revised financial outlay


Conservator of Forests (Nodal)

Memo No. _____ Dt _____

Copy forwarded to the Authorized Signatory, M/s Jindal Stainless Ltd, At/Po-Kaliapani, Dist-Jajpur, Odisha, Pin-755047 for information and necessary action in continuation to the office Memo No. 8269 dated 13.04.2022.


Conservator of Forests (Nodal)

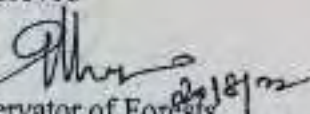
Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamara, Badabahal, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Athmallik Forest Division of Angul District in lieu of diversion of forest land for Jindal Chromite Mines, Kaliapani in Sukinda Range under Jajpur District of M/s Jindal Stainless Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
A.	PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)	
1.	Cost of Block Plantation @ 1000 plants per ha over 65.645 ha @ Rs.1,75,251.46 per ha without provision of fencing with 10 years maintenance (1 years 6 months old seedling)	1,15,04,382.00
2.	Soil Conservation Measures:	
	(i) Cost of staggered trench of size 2.5 mt X 0.5 mt. X 0.5 mt @ 100 nos. per ha @ Rs.65.20 per staggered trench over 65.645 ha	4,28,005.00
	(ii) Cost of LBCD with size 10'X10'X5' (Procured from quarry) for 163 nos. @ Rs.8944.16 each over 65.645 ha	14,57,898.00
	Total (1+2)	1,33,90,285.00
3.	25% of CA cost towards additional SMC measures like staggered trenches, percolation pits, contour trench, Graded earthen bund, LBCD, wire mesh LBCD, Sub-surface dyke & WHS as per slope and site requirement	33,47,571.00
	Total	1,67,37,856.00
4.	Add Escalation Cost (20%)	33,47,571.00
	Total (A)	2,00,85,427.00
5.	Cost of Angle Iron & Chain Link wire mesh fencing over 10.2 Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years maintenance (As per approved one-time cost norm for CA)	1,71,08,705.00
	Total	Rs.3,71,94,132.00 Or rounded off to Rs.3,71,94,200.00
B.	INFRASTRUCTURE (To be provided in kind)	
6.	Cost of one Solar Plant	7,50,000.00
7.	Vehicle mounted LED wall for awareness	2,50,000.00
	Total (B)	10,00,000.00
	Grand Total	3,81,94,200.00

(Rupees Three Crore eighty one lakhs ninety four thousand and two hundred) only

Approved


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

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

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION
AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in
No. 5681 /SF (Forest Diversion) 61/2018

Dated, Cuttack the 25th August, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-75504.

Sub:-

Proposal for diversion of 66.20 ha forest land (including safety zone area 1.899ha.)
Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite
Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil
of Jajpur District under Cuttack Forest Division.

Ref:-

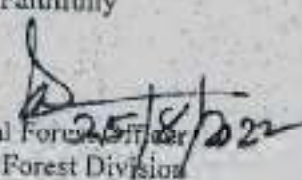
Memo No.16346 dt.23.08.2022 of the Chief Conservator of Forests(Nodal), O/o
the PCCF & HoFP, Bhubaneswar, Odisha to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to
inform you that, the revised financial outlay for Compensatory Afforestation Scheme over an area
of 65.645 ha of Non-Forest Government land identified in village Serenda, Khamura, Badabahal,
Gunthapada and Lahamunda under Kishore Nagar Tahasil of Handapa Range of Athamalik
Forest Division pertaining to the above project has been approved by Chief Conservator of Forests
(Forest Diversion & Nodal Officer, FC Act), O/o PCCF & HoFP, Bhubaneswar with financial
outlay for Rs. 3,81,94,200.00/- at the wage rate @326/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the differential
amount Rs. 56,08,600.00 (Rupees Fifty-Six Lakh Eight Thousand Six Hundred)
(Rs.3,81,94,200.00 - Rs.3,15,85,600.00-Rs.10,00,000) only with the Adhoc body of
Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-
payment module & submit the receipt of the deposition to this office for ready reference.
Similarly, as per the approved scheme you are requested to provide one solar power plant and one
vehicle mounted LED wall for awareness to the Divisional Forest Officer, Athamalik Division in
kind.

Yours Faithfully


Divisional Forest Officer
Cuttack Forest Division

Copy for kind information to:

(i)The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFP, Odisha,
Bhubaneswar.

(ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY

यूनियन बैंक Union Bank of India

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name:	JINDAL STAINLESS LIMITED
Application No.	5826736763
MoEF/SG File No.	8-68/2000-FC PT.
Location:	ORRISA
Address:	Jindal Stainless Limited, Kalanga Nagar Industrial Complex, Jaipur, Odisha-755 026 Jaipur
Amount(In Rs)	11273707/-

Amount in Words: One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0986335
Pay to Account No.	150825329736763 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 : 30-08-2022

Agency Name:	JINDAL STAINLESS LIMITED
Application No.	5826736763
MoEF/SG File No.	8-68/2000-FC PT.
Location:	ORRISA
Address:	Jindal Stainless Limited, Kalanga Nagar Industrial Complex, Jaipur, Odisha-755 026 Jaipur
Amount(In Rs)	11273707/-

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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

UTR NO + CTRBK 52082090289084231

Date -> 08/09/2022



OFFICE OF THE TAHASILDAR, KISHORENAGAR

କିଶୋରନଗର ତାହସିଲଦାର, କିଶୋରନଗର

Telephone: 067543277301 E-mail: tah.kishore-nagar@gmail.com



Letter No. 1762 / File No. X-08/2022

Date: 24.06.2022

From

Sri Shanti Swarup Mishra, OAS-1(JB)
Tahsildar & Executive Magistrate, Kishorenagar



TO

The Divisional Forest Officer (T), Athmalik Division, Dist-Angul

Sub:

Issue of ROR in favour of Forest & Environment Department, Odisha for
compensatory afforestation in Mouza Serenda, Khamar, Badabahal,
Luhamunda and Gunthapada by Jindal Chromite Mines, Kaliapani.

Sr.

In inviting a kind reference on the subject cited above, I am to say
that the alienation proposal of State Forest & Environment Department through the
D.F.O, Athmalik has been approved and ROR has been prepared for compensatory
afforestation in Mouza Serenda, Khamar, Badabahal, Luhamunda and Gunthapada
under Kishorengar Tahasil of Angul district in lieu of forest land to be used for
Kaliapani Chromite Mines in favour of Jindal Stainless Ltd. in Jatpur district.

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

Yours faithfully,

Tahasildar, Kishorenagar
TAHASILDAR
KISHORENAGAR

Schedule I Form No-39-A

ନୌତା : ଶରୀର

태어 : 유학재

ଅନ୍ତରାଳ ସଂଖ୍ୟା = 37

ଖଟିଲାକ

ଚଉପଇ : ଶିଶୋର ନଗର

ବର୍ଷିକ ନମ୍ବର : 202

ପିଞ୍ଜା : ଧନୁଷ୍ଠାନ,

ଜମିଦାରଙ୍କ ନାମ ଓ ଶ୍ରେଣୀ
ପା.ଖଣ୍ଡେଇର ବ୍ରମିକ ନମ୍ବର

ଓଡ଼ିଆ ସରକାର ଖେଳାଟ ମନ୍ତ୍ରାଳୟ ।

୧। ସାହିତ୍ୟର ଗୁଣିକ - ୧

55/2

୨) ପ୍ରଜାତନ୍ତ୍ରୀୟ, ପିତାତନ୍ତ୍ରୀୟ
ନୀତି, କାର୍ଯ୍ୟ ଓ ଉପଦ୍ଵାର

କଟକ ଓ ପଶ୍ଚିମବିଂଧ୍ୟା ଉପରାଜ୍ୟ

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ନିୟମିତ	ଆକାଶ	ସେକ୍ସ	ନିୟମିତ ସେକ୍ସ ଓ ଆକାଶ ସେକ୍ସ ଓ ନିୟମିତ	ସେକ୍ସ	୫) ନିୟମିତ ସେକ୍ସ ଓ ଆକାଶ ସେକ୍ସ
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ମା. ବିଜେପି ସମ୍ଭାଷଣ
ପରି ଗୃହ ଆସ

Allegation Case No. 14/2022 (RECMS Case No. 11/2022, LRMS Case No. 472/2022) ५६१ ५६५१

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ଅନ୍ତିମ ପ୍ରକାଶନ ତାରିଖ : 18/02/1976

ମାତୃଶାସନ ଶାସନ

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ଅନୁଷ୍ଠାନ
ନିର୍ଦ୍ଦେଶକ

RECORD KEEPER

TAHASELDAR
KISHORENAGAR

କ୍ରମ ସଂଖ୍ୟା ଓ ବର୍ଷ	ସିପିଏଲ୍ ନଂ ପ୍ରକାର ଶାସନ	ସିପିଏଲ୍ ନଂ ପ୍ରକାର ବିବରଣୀ ଓ ଶାସନ	ମୂଲ୍ୟ			ଟିପ୍ପଣୀ
			କି.ଟି.	ଟି.	କି.ଟି.	
୧	୨	୩	୪	୫	୬	୭
1/853	ପ୍ରକାର ୧	ପ୍ରକାର	38060	15.4023		Alienation Case No. 14/2022 (RCCMS Case No. 11/2022) LRMS Case No. 472/2022) ପୃଷ୍ଠା ନଂ 53 ଡି
5/854	ପ୍ରକାର ୧	ପ୍ରକାର	7710	3.1201		Alienation Case No. 14/2022 (RCCMS Case No. 11/2022) LRMS Case No. 472/2022) ପୃଷ୍ଠା ନଂ 53 ଡି
7/855	ପ୍ରକାର ୧	ପ୍ରକାର	0490	0.1983		Alienation Case No. 14/2022 (RCCMS Case No. 11/2022) LRMS Case No. 472/2022) ପୃଷ୍ଠା ନଂ 53 ଡି
29/856	ପ୍ରକାର ୧	ପ୍ରକାର	9480	3.8364		Alienation Case No. 14/2022 (RCCMS Case No. 11/2022) LRMS Case No. 472/2022) ପୃଷ୍ଠା ନଂ 53 ଡି
44/857	ପ୍ରକାର ୧	ପ୍ରକାର	20510	8.3001		Alienation Case No. 14/2022 (RCCMS Case No. 11/2022) LRMS Case No. 472/2022) ପୃଷ୍ଠା ନଂ 53 ଡି
5-ପ୍ରକାର			76250	30.8573		

କାର୍ଯ୍ୟାଳୟ, କୁସୁମା, ବିଜ୍ଞାନ ଶାସନ, ପ୍ରତିଷ୍ଠା



24/06/2022

TAHASILDAR
KISHORENAGAR

Schedule 1 Form No. 39-A

ଖଟିୟାଳ

ଦୌଡ଼ା ± ଡେଉଡ଼ା

ପାଠ : ବିଶ୍ୱାସ କର

ଆଜି ନମ୍ବର : 38

ଚଢ଼ସିଲ୍ଲା : କିଶୋର ମହାପାତ୍ର

ବିଷୟ: ଶାସ୍ତ୍ର : 203

ଜିଲା : ଅନୁଗୋଳ

ଉପରୋକ୍ତ ଗୁଣ ଓ ଲେଖକ
ଦ୍ଵାରା ଉପସ୍ଥାପିତ ହେଉଛି

ଓଡ଼ିଶା ସରକାର ଶୋଆହ ଜମ୍ବୁଲ ।

୧) ଖର୍ଚ୍ଚିଆଳର ଉମ୍ମିଦ ୨୦

797

୨) ପ୍ରଜାତନ୍ତ୍ର, ପିତାତନ୍ତ୍ର
ନୀତି, ବାଣି ଓ ବାସସ୍ଥାନ

ଜୟନ୍ତୀ ଓ ପରିବର୍ତ୍ତନ ବିଭାଗ ଉଦ୍ଦିଷ୍ଟ ପରୀକ୍ଷା

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କ୍ରମକ୍ରମ	ପ୍ରକାର	ପରିମା	ମୂଲ୍ୟ	ମୋଟ	କ) ପ୍ରକୃତରେ ଥିବା ମୂଲ୍ୟ
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१) विदेशी रकम
को प्राप्त हो

Allegation Case No. 13/2022 (RCCMS Case No. 10/2022, LRMS Case No. 471/2022) १११ ॥

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ଅର୍ଚ୍ଚିତ ପ୍ରକାଶନ ତାରିଖ : 18/02/1976


ସଞ୍ଜେ ୩ଟା ୩୫ ମିନିଟ୍ରେ :

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ବିଶ୍ୱାସପୂର୍ଣ୍ଣ

RECORD KEEPER

TAHABLODAH
KIBHORENAGAR

କ୍ରମ	ପିତାଙ୍କ ଓ ପୁରୁଷ ଶବ୍ଦ	ପିତାଙ୍କ ବିବାହିତ ବିବରଣୀ ଓ ଶିକ୍ଷା	ଉତ୍ତର			ଟିପ୍ପଣୀ
			ମନ	ଝି	ଝି	
୨	୧	୨	୧୦	୧୧	୧୨	୧୩
212/1355	ପାଣି	ପାଣି ପୁରୁଷ	15560	62969		Alienation Case No. 13/2022 (RCCMS Case No. 10/2022, LRMS Case No. 471/2022) ଓ ପ୍ରାପ୍ତି ୨୭ ୭୧
214/1356	ପାଣି	ପାଣି ପୁରୁଷ	9870	39943		Alienation Case No. 13/2022 (RCCMS Case No. 10/2022, LRMS Case No. 471/2022) ଓ ପ୍ରାପ୍ତି ୨୭ ୭୧
307/1357	ପାଣି	ପୁରୁଷ	7000	28328		Alienation Case No. 13/2022 (RCCMS Case No. 10/2022, LRMS Case No. 471/2022) ଓ ପ୍ରାପ୍ତି ୨୭ ୭୧
3-୩୦			32430	13.1240		 TANASILDAR KISHORENAGAR

ପାଣି ପୁରୁଷ ବିବାହ କେନ୍ଦ୍ର, ଖିଶୋରନଗର

24/06/2022

Schedule I Form No.39-A

ଖତିୟାନ

ମୌଜା : ପୁରପୁର

ଆଞ୍ଚଳ : ପୁରୀ

ଆକା ନମ୍ବର : 64

ପଞ୍ଜିକର : ବିଶୋଭ ନାଥ

ପଞ୍ଜିକର ନମ୍ବର : 275

ବିଭା : ପଶୁଚାଷ

ଜମିନିଆଳ ନାମ ଓ ଶ୍ରେଣୀ
ବା ଖତିୟାନର ନୂତନ ନମ୍ବର

ଓଡ଼ିଶା ସରକାର ଶେଷାଙ୍ଗ ନମ୍ବର 1

ଫାଉଣ୍ଡେସନ ନମ୍ବର

39/1

ଇଞ୍ଚାର୍ଜ ଓ ପଞ୍ଜିକର ବିଭାଗ ଓଡ଼ିଶା ସରକାର

1) ପ୍ରକାର ନାମ, ପିତାଙ୍କ
ନାମ, ଗାଦି ଓ ବାସସ୍ଥାନ

ମାତ୍ର

ଆକାର

କରକର	ସାଜଗା	ନପସ	ମିଥାଉ ହେଉ ଓ ଅନ୍ୟାନ୍ୟ କେବଳ ଗାଦି କିଛି ନାହିଁ	ମୋଟ	ଶ୍ରମଚର୍ଚ୍ଚିତାଙ୍କ ସାଜଗା ବିବରଣୀ
	0.00	0.00	0.00	0.00	

2) ବିଭିନ୍ନ ମୁଦ୍ରାବଦ
ପଞ୍ଜିକର ନାମLienation Case No. 16/2022 (RCCMS Case No. 13/2022, LRMS Case No. 474/2022 ବୁଦ୍ଧିମାନ ମୁଦ୍ରାବଦ
ପ୍ରକାଶନ ଆକା ନଂ 372

ଅଗତ ପ୍ରକାଶନ ତାରିଖ : 19/02/1976

ପ୍ରକାଶନ ଆକା ନଂ

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ସମସ୍ତ ମୁଦ୍ରା ବିଶେଷ କର ଅଫିସ

24/02/2022

[Signature]
ଅଗତ
ବିଶୋଭନାଥ

RECORD KEEPER

[Signature]
TAHASILDAR
KISHORENAGAR


ପ୍ରା. କ୍ରମ. ଓ ପଦ୍ମ ନମ୍ବର	ପିତାମାତା ଓ ପୁରାଣ ନାମ	ପିତାମାତା ଦିବାକର ଦିବରାଜୀ ଓ ଦେବୀ	ପ୍ରାଣ			ମନ୍ତ୍ରଣା
			ନମ୍ବର	ପି	ପଦ୍ମ	
୫	୬	୭	୮	୯	୧୦	୧୧
70/267	ପ୍ରଦୀପ ଦାସ	ପ୍ରଦୀପ	10449		4.2286	Alienation Case No. 16/2022 (RCCMS Case No. 13/2022, LRMS Case No. 474/2022 ପ୍ରଦୀପ ଦାସଙ୍କ ପ୍ରାଣ ନାମ ୭ 170
115/268	ପ୍ରଦୀପ ଦାସ	ପ୍ରଦୀପ	5093		2.0611	Alienation Case No. 16/2022 (RCCMS Case No. 13/2022, LRMS Case No. 474/2022 ପ୍ରଦୀପ ଦାସଙ୍କ ପ୍ରାଣ ନାମ ୭ 170
1 ୧୦			15542		6.2897	 TAHASILDAR KISHORENAGAR

ନାମାଲିଆ ପ୍ରାଣ ନାମ ଦେଖି ଦେଖି

24/06/2022

ଉତ୍ତରାଂଶ ପ୍ରମାଣ ନଂ : ୨୨/୨

ଖଣ୍ଡଗିରି - ଖଣ୍ଡଗିରି

ପ୍ରା. ୧୭୭୨.୫ ଉପର ପା	ବିଭାଗ ଓ ପ୍ରା. ୧୭୭୨.୫ ପା	ବିଭାଗ ବିଭାଗିତ ବିବରଣୀ ଓ ପ୍ରା. ୧୭୭୨.୫ ପା	କ୍ଷେତ୍ର			ଟିପ୍ପଣୀ
			ଫା	ଫ	ଫଫ	
୧୭/୧୩୩	ପ୍ରା. ୧୭୭୨.୫	ପ୍ରା. ୧୭୭୨.୫	୧୭୭୨	୧୭୭୨	୧୭୭୨	Alienation Case No. 15/2022 (RCCMS Case No. 14/2022, LRMS Case No. 475/2022 ପ୍ରା. ୧୭୭୨.୫ ଉପର ଫା ୧୭୭୨ ୧୭୭୨
୧୫/୧୩୩	ପ୍ରା. ୧୭୭୨.୫	ପ୍ରା. ୧୭୭୨.୫	୧୭୭୨	୧୭୭୨	୧୭୭୨	Alienation Case No. 15/2022 (RCCMS Case No. 14/2022, LRMS Case No. 475/2022 ପ୍ରା. ୧୭୭୨.୫ ଉପର ଫା ୧୭୭୨ ୧୭୭୨
୧୭୭୨			୧୭୭୨	୧୭୭୨	୧୭୭୨	 TAHASILDAR KISHORENAGAR

ଉତ୍ତରାଂଶ ପ୍ରମାଣ ବିଭାଗ ଉପର ଫା ୧୭୭୨

24/06/2022

Schedule I Form No.39-A

ଖତିୟାନ

ମୌଜା : ପୁରୀ

ତହସିଲ : ବିଶ୍ୱନାଥ ନଗର

ଆନ : ୧୫୦୩

ତହସିଲ ନମ୍ବର : 273

ଆନା ନମ୍ବର : ୫3

ବିଭା : ଅସ୍ତରୋକ୍ତ

ଜମିଦାରଙ୍କ ନାମ ଓ ଖେତ୍ରର କା ଖତିୟାନର ପ୍ରମିତ ନମ୍ବର	ଓଡ଼ିଶା ସରକାର ଖେତର ନମ୍ବର 1
୧) ଖତିୟାନର ପ୍ରମିତ ନମ୍ବର	336/5
୨) ପ୍ରକାର ଜମା, ପିତାଙ୍କ ନାମ, ଗର୍ଭ ଓ ବ୍ୟବସାୟ	ଜମା ଓ ପରିବେଶ ବିଭାଗ ଓଡ଼ିଶା ସରକାର

ନାମ						
କ୍ର.ସଂ.	ସମ୍ପତ୍ତି	ଖରୀଦା	ବେସ	ନିର୍ଦ୍ଧାରଣ ଓ ଅନ୍ୟାନ୍ୟ ସମ୍ପତ୍ତି ସହି କିଛି ଅଂଶ	ମୋଟ	୫) କ୍ରମବର୍ଦ୍ଧନଶୀଳ ଖତିୟାନ ବିବରଣୀ
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୩) ବିଶେଷ ଉଲ୍ଲେଖ କରି ଲିଖିତ ଅଂଶ	Alienation Case No. 14/2022 (RCCMS Case No. 12/2022, LRMS Case No. 473/2022) ଫୁଲ୍ ଖାତା ନଂ 33 ଟ୍ରା
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ଅତିରିକ୍ତ ପ୍ରକାଶନ ତାରିଖ : 12/03/1976

ଖତିୟାନ ଆରମ୍ଭ ତାରିଖ :

ବିଶ୍ୱନାଥ ନଗର ମେୟର ଅଫିସ

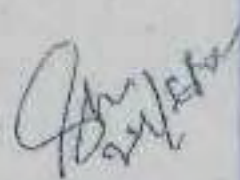
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14/22
ଅନୁମୋଦିତ
ବିଶ୍ୱନାଥ ନଗର

RECORD KEEPER

TAHASILDAR
KISHORENAGAR

ପ୍ରାଥମିକ ଓ ମାଧ୍ୟମିକ ସ୍ତର	ପିଲାଙ୍କ ଓ ପୁରୁଷ ସଂଖ୍ୟା	ପିଲାଙ୍କ ବିଭାଗିକ ବିବରଣୀ ଓ ଲିଙ୍ଗ	ଉପାଦାନ			ଟିପ୍ପଣୀ
			କେନ୍ଦ୍ର	ଝି	ମୋଟ	
୧	୨	୩	୧୦	୧୧	୧୨	୧୨
15796177	ପ୍ରାଥମିକ ସ୍ତର	ପ୍ରାଥମିକ	15682	63463		Allegation Case No. 17/2022, (RCCMS Case No. 12/2022, LRMS Case No. 473/2022) (ପ୍ରାଥମିକ ଓ 333 ଗ୍ରା)
1. ପୁର			15682	63463		 TANASILDAR KISHORENAGAR

ଉପାଦାନ ପ୍ରାଥମିକ ଓ ମାଧ୍ୟମିକ ସ୍ତର

24/06/2022

FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14238 /FE&CC, Date 12.08.22

10F (Cons) 58/2021

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- **Khamar** under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 66.20 ha forest land (including safety zone area of 1.888 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kaliapani and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Jaipur District under Guttack Forest Division vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delhi communicated in Letter File No.8-68/2000-FC(pt.) dtd.29.03.2022, the limits of which are specified below and the area of which is 30.8572 ha (76.250 Ac.) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Khamar Protected Forest**".

Forest Block:

Name of the Protected Forest : Khamar
 Area in Ha : 30.857 ha
 Area in Acres : 76.250 Ac.
 Name of the Village : Khamar
 Name of the Police Station : Handapa
 Name of the Tahasil : Kishorenagar
 Name of the Sub-Division : Athamalik
 Name of the District : Angul

Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Khamar	55/2	5/ 854	Parbat-II	7.710	Plot No. 5 (P)	Plot No. 44 (P)	Plot No. 29 (P)	Plot No. 5 (P)
		7/		0.490	Plot No. 7	Plot No.	Plot No.	Plot No.

855			(P) & 8	29 (P)	29 (P)	7 (P)
1/ 853	Patharabani	38.060	Angapada village	Plot No. 1 (P)	Plot No. 44 (P) & 5 (P)	Plot No. 1 (P)
29/ 856		9.480	Plot No. 7 (P)	Plot No. 29 (P)	Plot No. 29 (P)	Plot No. 5 (P)
44/ 857		20.510	Plot No. 5 (P)	Plot No. 120 (P) & 44 (P)	Plot No. 43/ 806	Plot No. 1 (P) & 44 (P)
Total		76.250 Ac or 30.857 ha				

By Order of the Governor

[Signature]
12/8/22
(SATYABRATA SAHU)

Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 14239 / FE&CC, Date 12-08-22

Copy 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 Forest, Environment & Climate Change Department/ Revenue & Disaster Management/ Director of Land Records and Survey, Odisha, Cuttack/ Collector, Angul/ DFO, Alhamalik Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 14240 / FE&CC, Date 12-08-22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests and Climate Change, (F.G. 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.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 14241 / FE&CC, Date 12-08-22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (CD), Cuttack/ Collector, Angul/ Tahasildar-Kishorenagar, Dist.-

26

P.T.O.

Angul for information and necessary action.

dy. 12/8/22
OSD-cum-Special Secretary to Government

Memo No. 14242 / FE&CC, Date 12-08-22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/
Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Act, O/o the PCCF, Odisha/
Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Athamalik Forest
Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

dy. 12/8/22
OSD-cum-Special Secretary to Government

Memo No. 14243 / FE&CC, Date 12-08-22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for
information and necessary action/ (5 spare copies for G.F.)

dy. 12/8/22
OSD-cum-Special Secretary to Government

Memo No. 14244 / FE&CC, Date 12-08-22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC
Department for information and necessary action with reference to their letter No.21646/F&E Dt.
22.11.2016.

dy. 12/8/22
OSD-cum-Special Secretary to Government

FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14231 /FE&CC, Date 12-08-22

10F (Cons) 58/2021

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—**Serenda** under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest, Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 86.20 ha forest land (including safety zone area of 1.699 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kallapani and Forest Block No.27 of Managiri DPF in Sukinda Tahasil of Jaipur District under Cuttack Forest Division vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delhi communicated in Letter File No.8-68/2000-FC(pl.) dtd.29.03.2022, the limits of which are specified below and the area of which is 13.124 ha (32.430 Ac.) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Serenda Protected Forest**".

Forest Block:

Name of the Protected Forest : Serenda
 Area in Ha : 13.124 ha
 Area in Acres : 32.430 Ac.
 Name of the Village : Serenda
 Name of the Police Station : Kishorenagar
 Name of the Tahasil : Kishorenagar
 Name of the Sub-Division : Athamalik
 Name of the District : Angul

Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Serenda	79/1	212/ 1355	Pahada	15.560	Plot No. 1128, 1184 & 211	Plot No. 212 (P) & 343 (P)	Plot No. 214 & 307	Khamara village

	214/ 1356		9.870	Plot No. 187 (P)	Plot No.307 (P)	Plot No. 214 (P) & 215	Plot No.212 (P)
	307/ 1357	Patharabani	7.000	Plot No. 214 (P)	Plot No.307 & 342 (P)	Plot No. 307 (P) & 214 (P)	Plot No. 212 (P)
Total			32.430 Ac or 13.124 ha				

By Order of the Governor

(SATYABRATA SAHU)

Additional Chief Secretary to Government

By e-mail: deputydirectorop@rediffmail.com

Memo No. 14232 / FE&CC, Date 12-08-22

Copy 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 Forest, Environment & Climate Change Department/ Revenue & Disaster Management/ Director of Land Records and Survey, Odisha, Cuttack/ Collector, Angul/ DFO, Athamalik Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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

OSD-cum-Special Secretary to Government

Memo No. 14233 / FE&CC, Date 12-08-22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests 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, Chandrasekharapur, Bhubaneswar-23 for information and necessary action.

OSD-cum-Special Secretary to Government

Memo No. 14234 / FE&CC, Date 12-08-22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (CD), Cuttack/ Collector, Angul/ Tahasildar-Kishorenagar, Dist.-Angul for information and necessary action.

OSD-cum-Special Secretary to Government

P.T.O.

Memo No. 14235 / FE&CC, Date 12-08-22

Copy forwarded to the Principal Chief Conservator of Forests & HoPF, Odisha, Bhubaneswar/ Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Act, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Athamalik Forest Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

dy. secy
OSD-cum-Special Secretary to Government

Memo No. 14236 / FE&CC, Date 12-08-22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for information and necessary action/ (5 spare copies for G.F).

dy. secy
OSD-cum-Special Secretary to Government

Memo No. 14237 / FE&CC, Date 12-08-22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC Department for information and necessary action with reference to their letter No.21646/F&E Dt. 22.11.2016.

dy. secy
OSD-cum-Special Secretary to Government

GOVERNMENT OF ODISHA

FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021-

14229

/FE&CC, Date

12-08-22

TDF (Cons)-5B/2021

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- **Gunthapada** under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest, Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 66.20 ha forest land (including safety zone area of 1.899 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kallapani and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delhi communicated in Letter File No.8-68/2000-FC(pt.) dtd.29.03.2022, the limits of which are specified below and the area of which is 6.2897 ha (15.542 Ac.) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Gunthapada Protected Forest**".

Forest Block:

Name of the Protected Forest : Gunthapada
 Area in Ha : 6.290 ha
 Area in Acres : 15.542 Ac.
 Name of the Village : Gunthapada
 Name of the Police Station : Handapa
 Name of the Tahasil : Kishorenagar
 Name of the Sub-Division : Athamalik
 Name of the District : Angul

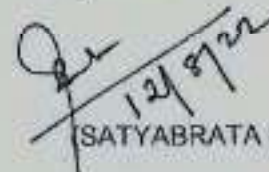
Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Gunthapada	39/1	70/267	Parbat-II	10.449	Plot No.70 (P) & 71	Luhamunda village & Plot No.1579 (P)	Plot No.115 (P), 114	Plot No. 89



	115/ 268	5.093	Plot No.115 (P) & 114	Luhamura village & Plot No.1579 (P)	Plot No.115 (P)	Plot No.70 (P)
Total			15.542 Ac or 6.290 ha			

By Order of the Governor


(SATYABRATA SAHU)


Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 14225 / FE&CC, Date 12-08-22

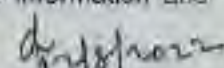
Copy forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to Forest, Environment & Climate Change Department/ Revenue & Disaster Management/ Director of Land Records and Survey, Odisha, Cuttack/ Collector, Angul/ DFO, Athamalix Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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


OSD-cum-Special Secretary to Government

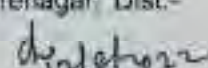
Memo No. 14226 / FE&CC, Date 12-08-22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests and Climate Change, (F.C. Division), Indira Paryavaran Bhawan, Jor Bagh, Ailganj 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

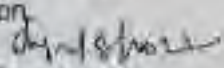
Memo No. 14227 / FE&CC, Date 12-08-22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (CD), Cuttack/ Collector, Angul/ Tahasildar-Kishorenagar, Dist.-Angul for information and necessary action.


OSD-cum-Special Secretary to Government

Memo No. 14228 / FE&CC, Date 12-08-22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Act, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Athamalix Forest Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.


OSD-cum-Special Secretary to Government

Memo No. 14229 / FE&CC, Date ⁻⁰³⁻ 12-08-22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for information and necessary action/ (5 spare copies for G.F).

dynt/roze

OSD-cum-Special Secretary to Government

Memo No. 14230 / FE&CC, Date 12-08-22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC Department for information and necessary action with reference to their letter No.21646/F&E Dt. 22.11.2016.

dynt/roze

OSD-cum-Special Secretary to Government

GOVERNMENT OF ODISHA

FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14217 /FE&CC, Date 12-08-22

10F (Cons) 58/2021

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- **Badbahal** under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest, Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 68.20 ha forest land (including safety zone area of 1.899 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kaliapani and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Jajpur District under Cutback Forest Division vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delhi communicated in Letter File No.8-58/2000-FC(pl.) dtd.29.03.2022, the limits of which are specified below and the area of which is 9.029 ha (22.311 Ac.) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Badbahal Protected Forest**".

Forest Block:

Name of the Protected Forest : Badbahal
 Area in Ha : 9.029 ha
 Area in Acres : 22.311 Ac.
 Name of the Village : Badbahal
 Name of the Police Station : Handapa
 Name of the Tahasil : Kishorenagar
 Name of the Sub-Division : Athamalik
 Name of the District : Angul

Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Badbahal	92/2	117/ 1313	Parbat-II	18.920	Plot No.27	Plot No. 135(P)	Papsara village	Plot No. 115 & 116

34

P.T.O.



		135/ 1314		3.391	Plot No.117 (P)	Plot No.133 & 134	Plot No.136, 137 & 138	Plot No.135 (P)
Total				22.311 Ac or 9.029 ha				

By Order of the Governor

[Signature]
(SATYABRATA SAHU)

Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 14218 / FE&CC, Date 12-08-22

Copy 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 Forest, Environment & Climate Change Department/ Revenue & Disaster Management/ Director of Land Records and Survey, Odisha, Cuttack/ Collector, Angul/ DFO, Athamalik Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 14219 / FE&CC, Date 12-08-22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests and Climate Change, (F.C. Division), Indra Paryavaran Bhawan, Jor Bagh, Aigenj 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.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 14220 / FE&CC, Date 12-08-22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (OD), Cuttack/ Collector, Angul/ Tahasildar-Kishorenagar, Dist.-Angul for information and necessary action.

[Signature]
OSD-cum-Special Secretary to Government

Memo No. 14221 / FE&CC, Date 12-08-22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Chief Conservator of Forests (Forest Division & Nodal Officer) FC Act, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Athamalik Forest Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

[Signature]
OSD-cum-Special Secretary to Government

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P.T.O.

-03-

Memo No. 14222 / FE&CC, Date 12-08-22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for information and necessary action/ (5 spare copies for G.F).

dy. Secy
OSD-cum-Special Secretary to Government

Memo No. 14223 / FE&CC, Date 12-08-22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC Department for information and necessary action with reference to their letter No.21646/F&E Dt. 22.11.2016.

dy. Secy
OSD-cum-Special Secretary to Government

ANNEXURE-4

GOVERNMENT OF ODISHA

FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14210 /FE&CC, Date 12-08-22

10F (Cons) 58/2021

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-Luhamunda under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest, Environment & Climate Change Department for the purpose of raising Compensatory Afforestation thereon against the proposed diversion of 66.20 ha forest land (including safety zone area of 1.899 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kalapani and Forest Block No.27 of Mahagiri DPF in Sukinda Tahasil of Jaipur District under Cuttack Forest Division vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delhi communicated in Letter File No.8-68/2000-FC(pt.) dtd.29.03.2022, the limits of which are specified below and the area of which is 6.3463 ha (15.682 Ac.) shall be Protected Forest with effect from the date of issue of the Notification and shall be known as - **Luhamunda Protected Forest**."

Forest Block:

Name of the Protected Forest : Luhamunda
Area in Ha : 6.346 ha
Area in Acres : 15.682 Ac.
Name of the Village : Luhamunda
Name of the Police Station : Handapa
Name of the Tahasil : Kishorenagar
Name of the Sub-Division : Athamalik
Name of the District : Angul



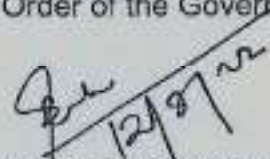
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Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Luhamunda	336/5	1579/6177	Parbat-II	15.682	Gunthapada village, Plot No.70/267 & 115/268	Plot No. 1579 (P)	Plot No.1581, 1580 & 1579 (P)	Plot No. 1579 (P)
Total				15.682 Ac or 6.346 ha				

By Order of the Governor

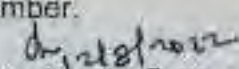

 (SATYABRATA SAHU)

Additional Chief Secretary to Government

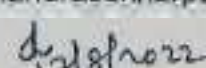
By e-mail: deputydirectorpp@rediffmail.comMemo No. 14211 / FE&CC, Date 12-08-22

Copy 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 Forest, Environment & Climate Change Department/ Revenue & Disaster Management/ Director of Land Records and Survey, Odisha, Cuttack/ Collector, Angul/ DFO, Athamalik Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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


 OSD-cum-Special Secretary to Government
Memo No. 14212 / FE&CC, Date 12-08-22

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests 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, N/3, Chandrasekharpur, Bhubaneswar-23 for information and necessary action.


 OSD-cum-Special Secretary to Government

P.T.O.

37

Memo No. 14213 / FE&CC, Date 12-08-22

Copy forwarded to the Revenue & Disaster Management Department/ Director of Land Records and Survey, Odisha, Cuttack/ RDC (CD), Cuttack/ Collector, Angul/ Tahasildar-Kishorenagar, Dist.-Angul for information and necessary action.

dy. J. S. Rana
OSD-cum-Special Secretary to Government

Memo No. 14214 / FE&CC, Date 12-08-22

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Adl, O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Divisional Forest Officer, Athamalik Forest Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

dy. J. S. Rana
OSD-cum-Special Secretary to Government

Memo No. 14215 / FE&CC, Date 12-08-22

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat, Bhubaneswar for information and necessary action/ (5 spare copies for G.F).

dy. J. S. Rana
OSD-cum-Special Secretary to Government

Memo No. 14216 / FE&CC, Date 12-08-22

Copy forwarded to the Under Secretary to Government, Office Establishment Section, FE&CC Department for information and necessary action with reference to their letter No.21648/F&E Dt. 22.11.2016.

dy. J. S. Rana
OSD-cum-Special Secretary to Government

CONDITION NO.:- A (v)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited, do hereby undertake that the penal NPV as stipulated in the approval will be dealt as per direction of Hon'ble High Court.

For Jindal Stainless Limited
Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005 (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345-60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759145, ODISHA, Phone- 06764-296010 (O), 296011 (Res).

Email Id: rcfanganul@gmail.com

Memo No. 3310 / SF.FC-18/2022, Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s. Jindal Stainless Limited in village Kallipani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1 ✓	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2.	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3.	B(xiv) (a)	Mitigative measures to minimize soil erosion and choking of streams.	6,40,000/-
4.	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5.	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6.	B (xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7.	B(xiv) (e)	Management of Top soil.	3,54,420/-
8.	B(xv) (a)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

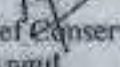
Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 dated 06-8-22

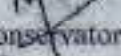
Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022 of the DFO, Cuttack Division.

Encl: As above.


Regional Chief Conservator of Forests
Angul

Memo No. 3312 dated 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.


Regional Chief Conservator of Forests
Angul

SCHEME FOR
PLANTATION OF NON-MINERALIZED
VIRGIN FOREST LAND WITHIN THE MINING LEASE AREA
OF
JINDAL CHROMITE MINES
OF
M/s- JINDAL STAINLESS LIMITED
UNDER
CUTTACK FOREST DIVISION

Compliance to the condition No. A (vi) of the Stage-1 Forest Clearance granted by MoEF & CC,
Govt. of India vide F.No.8-68/2000-FC (pt), Dt.29.03.2022

SCHEME FOR PLANTATION NON-MINERALIZED VIRGIN FOREST LAND WITHIN
THE MINING AREA OF JINDAL CHROMITE MINES OF
M/s- JINDAL STAINLESS LIMITED

1. INTRODUCTION

MoEF &CC, accorded approval for 'in-principle' under section-2 of the Forest Conservation Act 1980 vide order no. F.No. 8-68/2000-FC(pt), Dt.29.03.2022 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani and forest Block No-27 of Mahagiri DPP in Sukinda Tahasil of Jajpur District under Cuttack Forest Division, subject to fulfilment of certain conditions.

The condition No. A (vi) is "Afforestation of the non-mineralized virgin forest land within the mining area shall be taken up at project cost. All such areas shall be earmarked on a map and KML files of such areas shall be submitted along with detail plan for plantation."

In compliance to the above condition, a comprehensive scheme is prepared for implementation of the same by the user agency.

LOCATION OF THE AREA

Non-mineralised virgin forest area of 2.30 ha. in southern part of the ML area (Map showing the non-mineralized virgin area is enclosed as Plate No. 1). The land schedule of the forest area proposed for plantation in Jindal Chromite Mines is furnished as **Annexure-I**. A comprehensive scheme for raising plantation over 2.30 ha. is prepared as under:

2. PLANTATION MODEL:-

ANR Plantation @ 500 plants/ hectare shall be raised with maintenance of plantation for 10 years. A site-specific cost norm for the plantation is furnished as **Annexure-II**.

3. TECHNICAL DETAILS:-

Plantation shall be taken up with ANR model of Plantation @ 500 plants/ hectare at spacing of 2.5m x 2.5m alignment and pit marking should be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs. Size of pits shall be 45 cm X 45 cm X 45 cm. About 18 months old saplings shall be used for plantation. All post planting measures like casualty replacement, soil working, manuring, fire protection etc. shall be undertaken timely.

While taking up plantation, the following points shall be carefully followed:-

- Care to be taken for raising healthy plant seedlings of minimum 60 cm height.
- 10% extra seedlings are to be raised for replacement of casualty.
- Pitting shall invariably be done during November-February i.e., before onset of monsoon.

If possible the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first.

- Planting shall be done on the onset of monsoon to get full benefit of monsoon rain and planting should not be delayed.
- Basal dose of fertilizer and insecticide should be applied carefully at the time of planting, by mixing with top-soil so that the roots of seedlings do not come in direct contact with fertilizer.
- In case of any mortality of planted seedlings, it should be replaced with healthy seedlings as soon as possible for better survival rate.
- Complete weeding in proper time will be done.
- Soil-working and application of 2nd dose fertilizer should be done in time.

Species: Considering the topography, soil and moisture availability of the plantation area, the following species shall be preferred:

Name of species	Common	Remarks
<i>Azadirachta indica</i>	Neem	In rocky areas with low soil depth
<i>Ferris indica</i>	Karanja	In rocky areas with low soil depth
<i>Emblica officinalis</i>	Amla	In rocky areas with low soil depth
<i>Terminalia chebula</i>	Harida	In lower areas with good soil depth
<i>Terminalia bellirica</i>	Bahada	In lower areas with good soil depth
<i>Dalbergia sissoo</i>	Sissoo	In lower areas with good soil depth
<i>Gmelina arborea</i>	Gambhari	In lower areas with good soil depth
<i>Dendrocalamus strictus</i>	Saha bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
<i>Dalbergia sissoo</i>	Sissu	In lower areas with good soil depth
<i>Tamarindus indica</i>	Tentuli	In lower areas with good soil depth
<i>Ficus religiosa</i>	Aswatha	In rocky areas with low soil depth
<i>Ficus benghalensis</i>	Banyan	In rocky areas with low soil depth

4. EXECUTING AGENCY

The scheme shall be implemented by M/s Jindal Stainless Limited

5. FINANCIAL OUTLAY

The total estimated cost of the scheme shall be Rs. 12,77,229.00 (Twelve Lakh Seventy-Seven Thousand Two Hundred Twenty-Nine) only as shown in Annexure-III.


Divisional Forest Officer
Cuttack Forest Division

**BASE COST NORM FOR AFFORESTATION (ANR PLANTATION)
@ 500 PLANTS PER HECTARE (18 Months old seedling)**

ANNEXURE-I

1. MODEL	
2. NO. OF PLANTS PER HA.	ANR
3. TOTAL AREA TO BE PLANTED (in Ha.)	500
4. SPACING TO BE ADOPTED	2.3
5. TOTAL NOS. OF PLANTS TO BE PLANTED	2.5Mx2.3M
6. Wage Rate (Per M0)	1,150
	138.00

Sr. No.	Item of Work	Period of execution	Man-days	Labour Cost @ Rs.325/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Pital Posting	Nov/Dec	2	650.00	0	650.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	325.00	100	425.00
3	Site preparation (Clearing & removal of debris)	Nov/Dec	2	650.00	0	650.00
4	Site/cultural operations including clearance of weed, cutting of climber, 45cm stump pulling, shading of shoots & removal of soil debris, clearing from the field to black space.	Jan/Feb	10	3,250.00	0	3,250.00
5	Alignment and stacking of pits	Feb/Mar	1	325.00	0	325.00
6	Shading of pits (45 cm x 45 cm x 45 cm) in hole & gravelly soil.	Feb/Mar	20	6,500.00	0	6,500.00
	Total:-		41	13,565.00	100.00	13,665.00
7	Monitoring, Evaluation, Weeding, Demarcation & any other Contingency upto 5% of the total cost.					673
	Grand Total:-					14,338.00
1st Year Planting Year						
1	Rebelling of pits by altering the depth and soil of the pits, application of Organic compounds/ GOM/ FYM & raising the pits properly.	Jun/July	6	1,950.00	2,600.00	4,550.00
2	Transportation of 18 months old poly pot seedlings in hired truck/tractor from the Permanent Mass nursery to planting site including loading & unloading. (Average load of 10,000 kg & carrying the seedlings @ Rs.6/- per Seedling (1100 nos.)	July/Aug	0	0.00	3,300.00	3,300.00
3	Watering the poly pot seedlings in planting site	July/Aug	1	325.00	0.00	325.00
4	Conveyance of poly pot seedlings on head load from the stacking site to individual dug out pits within the planting site, applying insecticide, fungicide & planting after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	Aug/Sep	11	3,575.00	0.00	3,575.00
5	Cost of Fertilizer & Insecticide:- (a) NPK / Bio fertilizer @ 50 gms/ plant as base dose = 25 kg @ Rs.90/- per kg = Rs750.00 (b) Urea/ Vermicompost/ Mo. Khata/ any other fertilizer in two subsequent doses @ Rs.375/- @ (c) Insecticide/ Bio-pesticide @ 5 gms/ plant = 2.5 kg @ Rs.150/- per kg = Rs.375.00	July/Aug	0	0.00	1,500.00	1,500.00
6	Casualty Replacement @ 10% (50 nos.)	July/Aug	1.5	487.50	0.00	487.50
7	1st Weeding & Manuring	Aug/Sep	5	1,625.00	0.00	1,625.00

8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Mulching	Oct/Nov	8	2,600.00	0.00	2,600.00
9	Fire line tracing & inspection path.	Feb/Mar	3	978.00	0.00	978.00
10	Water & Weed including watering as per requirement	Aug-Mar	8	2,808.00	0.00	2,808.00
	Total:-		41.8	13823	7300	20,829.00
11	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					1,041.00
	Grand Total:-					21870
2nd Year Maintenance						
1	Transportation of 50 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs. 6/- per seedling	Jul	5	6.00	300.00	306.00
2	Casualty Replacement	Jul	1.5	489.00	0.00	489.00
3	Cost of Fertilizer & Insecticide:- (a) Cost of Insecticide Bio-pesticide (Thiometh / Forate) @ 5 gms/ plant = 0.25 kg @ Rs.150/- per kg = Rs.37.50. (b) Urea/ NPK/ Bio-fertilizer Vermicompost/ Mo Kintal/ any other fertilizer @ Rs.1400/-	July/Aug	8	0.00	1,400.00	1,400.00
4	Weeding (Complete weeding), Mulching & Soil working (1mt. Diameter around the plants)	Sept/Oct	8	2,600.00	0.00	2,600.00
5	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
6	Water & Weed including watering as per requirement	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		34.3	7987	1,700.00	9724.5
	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					486
	Grand Total:-					10210.5
3rd Year Maintenance						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer Vermicompost/ Mo Kintal/ any other fertilizer @ Rs.1400/-)	July/Aug	8	0.00	1,400.00	1,400.00
2	Weeding (Complete weeding), Mulching & Soil working (1mt. Diameter around the plants)	Sept/Oct	8	2,600.00	0.00	2,600.00
3	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
4	Water & Weed including watering as per requirement	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		23	7,490.00	1,400.00	8,890.00
	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					445
	Grand Total:-					9,343.00
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
2	Water & Weed including maintenance of watering	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					245
	Grand Total:-					5,135.00

5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	12	3,912.00	0.00	3,912.00
	Total:-		15	4,890.00	0	4,890.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					245
	Grand Total:-					5,135.00

TOTAL COST FOR 1 HA						
Sl. No.	Year	No. person days	Labour Cost @ Rs.320/-	Material Cost (Rs.)	Monitoring, Evaluation, Learning, Documentation and other Contingency (5%) of (4+5)	Total Cost (Rs.)
1	0th year	41	13120.00	100.00	672.00	14,192.00
2	1st year	44.5	14320.00	7300.00	1041.00	26,661.00
3	2nd year	24.5	7840.00	1707.00	486.00	10,033.00
4	3rd year	25	8000.00	1400.00	445.00	9,845.00
5	4th year	15	4800.00	0.00	245.00	5,045.00
6	5th year	15	4800.00	0.00	245.00	5,045.00
7	6th year	15	4800.00	0.00	245.00	5,045.00
8	7th year	15	4800.00	0.00	245.00	5,045.00
9	8th year	15	4800.00	0.00	245.00	5,045.00
10	9th year	15	4800.00	0.00	245.00	5,045.00
11	10th year	15	4800.00	0.00	245.00	5,045.00
Total:-		235	75,610.00	10,837.00	4,360.00	90,807.00

TOTAL PROJECT COST FOR 2.3 HA.						
Sl. No.	Year	No. Man-days	Labour Cost @ Rs.320/-	Material Cost (Rs.)	MEED & Other Contingency (5%) of (4+5)	Total Cost (Rs.)
1	0th year	84.2	27144.00	200.00	1347.00	28,691.00
2	1st year	95.5	30720.00	15700.00	2304.00	48,724.00
3	2nd year	58.9	18848.00	3697.00	1117.00	23,662.00
4	3rd year	52.9	16928.00	3200.00	1024.00	21,152.00
5	4th year	34.5	11136.00	0.00	688.00	11,824.00
6	5th year	34.5	11136.00	0.00	688.00	11,824.00
7	6th year	34.5	11136.00	0.00	688.00	11,824.00
8	7th year	34.5	11136.00	0.00	688.00	11,824.00
9	8th year	34.5	11136.00	0.00	688.00	11,824.00
10	9th year	34.5	11136.00	0.00	688.00	11,824.00
11	10th year	34.5	11136.00	0.00	688.00	11,824.00
Grand Total:-		540.8	1,76,203.00	24,236.25	10,028.00	2,10,467.25
OR			1,76,203.00	24,236.25	10,028.00	2,10,467.25

(Rupees Two Lakh Eighty-Two Thousand Four Hundred Seventy-Two) Only

Matrix for Model-II A (ANR-500 Plants/Ha)

Calendar month Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Jan.	14139	50567	12819	9343	5135	5135	5135	5135	5135	5135	5135											122814
21-22	14139	50096	14133	10516	6202	5534	6881	7225	7387	7566	8364											143009
22-23		34846	33751	14340	13256	5554	6587	7125	7587	7966	8364	8783										150153
23-24			15588	58538	15582	11224	6381	7225	7587	7966	8364	8783	9223									152851
24-25				16368	62465	16361	11831	7225	7587	7966	8364	8783	9223	9683								165544
25-26					17186	64538	17179	13147	7387	7966	8364	8783	9223	9683	10167							173821
26-27						18145	67952	18038	11804	7966	8364	8783	9223	9683	10167	10675						182612
27-28							18948	71155	13940	14494	8364	8783	9223	9683	10167	10675	11209					191638
28-29								19855	74311	19887	15210	8783	9223	9683	10167	10675	11209	11770				201220
29-30									20890	78447	26811	15980	9223	9683	10167	10675	11209	11770	12358			211281
30-31										21934	82349	21925	16779	9683	10167	10675	11209	11770	12358	12976		221845

SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (500 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on L.S.	Apr/Sept	20,215.00
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs.)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 2.30 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	46,494.50	46,494.50
3	2 nd Year	0	0.00	6,973.60	6,973.60
4	3 rd Year	0	0.00	6,973.60	6,973.60
5	4 th Year	0	0.00	6,973.60	6,973.60
6	5 th Year	0	0.00	6,973.60	6,973.60
Total		0	0.00	74,388.90	74,388.90
OR					74,389.00

(Rupees Seventy-Four Thousand Three Hundred Eighty-Nine)only

Matrix for (SMC) over 10 Yrs.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2021-22	0	20215	3032	3032	3032	3032																23345
2	2022-23	0	21226	3145	3570	3685	3870	4063															35634
3	2023-24	0	22287	3510	3685	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	37415
4	2024-25	0	23401	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	39286
5	2025-26	0	24571	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	41250
6	2026-27	0	25800	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	43373
7	2027-28	0	27090	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	45478
8	2028-29	0	28445	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	47752
9	2029-30	0	29867	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	50140
10	2030-31	0	31300	3870	4063	4266	4480	4693	4906	5120	5333	5546	5759	5972	6185	6398	6611	6824	7037	7250	7463	7676	52647
																							55279

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Water Model-W-II			
Water provision to Plantation			
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-			
Year of Installation (0 th Year)			
1	Cost of Bore well	1,50,000.00	
2	Cost of Diesel pump Set 5 HP	60,000.00	
3	Diesel pump set & accessories like	30,000.00	
4	Water Storage Tanks/ Flexible pipes	15,000.00	
	Total	2,55,000.00	
Cost of Water per Plant (2,55,000/5000)=Rs.51/-			51,000.00
Cost of Water per Ha.=Rs.51,000/-			
1 st Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Watering 500 plants (Nov-Mar) @200plants/MD with 7 days rotation 10 MD x 5Month=50 MDx326=	16,300.00	
	Total	37,300.00	
2 nd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 500 plants (Nov-Mar) @200plants/MD with 7 days rotation 10 MD* 8 Month=80 MDx326=	26,080.00	
	Total	54,730.00	
3 rd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 500 plants (Nov-Mar) @200plants/MD with 7 days rotation 10 MD* 8 Month=80 MDx326=	26,080.00	
	Total	54,730.00	
4 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 500 plants (Nov-Mar) @200plants/MD with 7 days rotation 10 MD* 8 Month=80 MDx326=	26,080.00	
	Total	54,730.00	
5 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 500 plants (Nov-Mar) @200plants/MD with 7 days rotation 10 MD* 8 Month=80 MDx326=	26,080.00	
	Total	54,730.00	

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	50	16,300.00	21,000.00	37,300.00
3	2 nd Year	80	26,080.00	28,650.00	54,730.00
4	3 rd Year	80	26,080.00	28,650.00	54,730.00
5	4 th Year	80	26,080.00	28,650.00	54,730.00
6	5 th Year	80	26,080.00	28,650.00	54,730.00
Total		370	1,20,620.00	1,86,600.00	3,07,220.00

Abstract for 2.39 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	1,17,300.00	1,17,300.00
2	1 st Year	115	37490.00	48,300.00	85,790.00
3	2 nd Year	184	59984.00	65,895.00	1,25,879.00
4	3 rd Year	184	59984.00	65,895.00	1,25,879.00
5	4 th Year	184	59984.00	65,895.00	1,25,879.00
6	5 th Year	184	59984.00	65,895.00	1,25,879.00
Total		851	2,77,426.00	4,29,180.00	7,06,606.00
OR			2,77,426.00	4,29,180.00	7,06,606.00

(Rupees Seven Lakh Six Thousand Six Hundred Six)Only

Matrix for Watering WII (Bleed Pump set with Baccanelli) over 1 1/2 hrs.

[illegible]

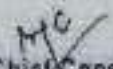
Total Project Cost for Plantation of Non-Mineralized Virgin Forest Land within the Mining Lease Area over 2.30 ha in Jindal Chromite Mines of M/s Jindal Stainless Ltd, under Cuttack Forest Division.

Sl No.	Item of Work	Estimated cost in (Rs.)
1	ANR Plantation (500 Plants/ Ha.) over 2.30 Ha @1,50,153/Ha	Rs.3,45,351.90
2	Watering Model-II (Diesel Pump set Fitted with Bore well) over 2.30 Ha @3,67,749/Ha	Rs.8,45,822.70
3	Soil Moisture Conservation cost over 2.30 Ha @37,415/Ha	Rs.86,054.50
	Grand Total	Rs.12,77,229.10 Or Rs.12,77,229.00

(Rupees Twelve Lakh Seventy-Seven Thousand Two Hundred Twenty-Nine) Only


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Approved for Rs. 12,77,229/-


Regional Chief Conservator
of Forests, Angul Circle.

CONDITION NO:-A (vi)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Afforestation of the non-mineralized virgin forest land within the mining area shall be taken up at project cost. All such areas shall be earmarked on a map and KML files of such areas shall be submitted along with detail plan for plantation.

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005. (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 056, India

T : +91 11 26188345 - 60, F : +91 11 26170891, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION
GHATAKULA: NUAPARA: CUTTACK

Recd Attention to Bhubaneswar

Memo No. 3235 /5F (Misc.)
Dated, Cuttack, the 21-6-10

To

The Resident Manager
M/S. Jindal Stainless Ltd.
50-HIG-BDA, Jaydev Vihar,
Bhubaneswar.

DR PF-10
/2

Subj.

Diversion of Forest land for Chrome mining in Mahagiri D.P.F. of M/S Jindal Stainless Ltd. in Sukjuda Tehsil of Jajpur District - Payment of differential amount of N.P.V. at Revised Rate.

Ref.

Memo No. 8235, Dt. 19.05.2009 of Pr.C.C.F., Orissa, circular No. 21687/P&E Dt. 22.12.2009 of Govt. of Orissa and Letter No. 9803/P&E Dt. 28.05.2010 of the Govt. of Orissa.

In pursuance to memo no. 8235 dt. 19.05.2009 of Pr.C.C.F., Orissa and Govt. of Orissa, Forest & Environment Department letter No. 10 F (L) 22/2009-0803 Dt. 28.05.2010, you are requested to make arrangement for payment of Net Present Value (N.P.V.) in respect of Chrome Mining lease of Mahagiri Chrome Mines of M/s. Jindal Stainless Ltd. in Jajpur District of Orissa as calculated below:

- | | | |
|-------|--|-----------------|
| (I) | Eco-Value Class-I | |
| (II) | Open Forest (canopy Density below 40%
i.e. below 0.4) Rate of N.P.V. 7,30,000/- | |
| (III) | Total Forest area 24.24 ha. | |
| | Area already diverted - 22.80 @ nil | - 0.00 |
| | Balance area (24.24 - 22.80) i.e. 1.44 ha. x 7,30,000/- | - Rs 1051200.00 |
| | Amount to be paid | - Rs 1051200.00 |

You are therefore requested to make arrangement for payment of the balance amount of Rs. 1051200.00/- (Rupees Ten Lakh Fifty One Thousand Two Hundred) only through A/C payee Demand Draft in favour of "Compensatory Afforestation Fund (CAF) Orissa Account No. CA-1585 in Corporation Bank, Lulla Road, New Delhi". The Bank Draft for the above amount required to be submitted to this office within 30 days from the date of issue of this letter positively failing which the mining operation will not be allowed to continue till the payment alongwith the interest at the rate to be decided is deposited.

Yours faithfully,

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

MEMO NO. _____/DT

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of information and necessary with reference to memo no. 8235 dt. 19.05.2010 of Pr.C.C.F., Orissa to his address.

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

MEMO NO. _____/DT

Copy submitted to the Principal Chief Conservator of Forests, Orissa, Bhubaneswar for favour of information and necessary action with reference to this office Memo No. 8235 - Dt. 19.05.2010.

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION
GHATAKULA, NUAPADA, CUTTACK-753010

No. H754 / 5F (Misc)/2015

Dated, Cuttack the 26th May, 2015

To

The General Manager,
 Kaliapani Chromite Mines of M/s Jindal Stainless Ltd.
 Kaliapani, Jajpur.

Sub: -

Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Sub-

Payment of NPV for the forest kassam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jajpur.

Ref: -

- (i) Memo No. 5417 dt. 30.03.2015 of Govt. of Odisha, F&E Deptt.
- (ii) F No. 8-78/199-FC(pt.), GoI, MoEF & CC.
- (iii) Memo No. 7031 dt. 20.04.2015 of the PCCF, Odisha.

Sir,

In pursuance to the letters cited above on the captioned subject, you are requested to make arrangement for payment of Net Present Value (NPV) in respect of chromite mining lease of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jajpur as calculated below.

Total M.L. area - 89.0 ha.

Forest area as per Hal Settlement Record which is diverted

- 22.80 ha Forest area-24.24 and NPV amount paid -

Rs. 10,51,200.00

Forest area as on 25.10.1980 out of the non-forest area

(as per report of the Tehsildar, Sukinda vide his Letter No.

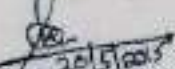
2836 dt. 20.11.2014) 64.301 ha. and amount required for

Payment @ Rs. 730000/- (Eco-Value Class -I, canopy density

below 0.4) -Rs. 4,69,39,730.00

Hence you are requested to make arrangement for payment of the amount of Rs. 4,69,39,730/- (Rupees Four Crore Sixty Nine Lakh Thirty nine thousand Seven Hundred Thirty) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS /IFSC No. CORP0000371, S.B Account No. SB01025222) and submit the receipt in original as a token of evidence to this office for the needful. The above amount require to be deposited within 30 days from issue of this letter positively alongwith an undertaking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,


 Divisional Forest Officer,
 Cuttack Forest Division



JSL/KLPN/2015/ 180

Date: 31.08.2015

The Divisional Forest Officer
Cuttack Forest Division
At: Ghatakula, Nuapada
Cuttack-753 030
Odisha

Sub: NPV payment made for the forest kism land on 25.10.1980 and treated as Non-Forest Hal settlement record in respect of Kallapani Chromite Mines of M/s Jindal Stainless Ltd. Kallapani, Jajpur

Ref: Your office Letter No 4754/5F(Misc)/ 2015 dated, Cuttack the 20th May, 2015 (copy enclosed)

- : Our mines letter No JSL/KLPN/2015/125 dt 17.06.2015
- : Our mines letter No JSL/KLPN/2015/ 162 dated 27.07.2015
- : Our mines letter No. No JSL/KLPN/2015/ 169 dated 13.08.2015

Sir,


We would like to inform you that we have paid an amount of Rs 4,69,39,786/- through RTGS today on 31.08.2015. Detail of payment given below:

31 Aug 2015	CHQ TRANSFER- RTGS SBINR520150831 19407011 ADHOC BODY OF COMPENSA- 752223	752223	1820	4,69,39,786.0 0
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In the mean time, we are already in the process of preparing the Forest Diversion proposal for our 64.301 Ha area.

Thanking You,
Yours faithfully,

For Jindal Stainless Limited


(S. K. Sahoo)
AGM(Mines)



63
Jindal Stainless Limited
Jindal Chromite Mines

At/Po: Kallapani- 753 047, Dist.: Jajpur, Odisha, India
T: +91 6726 260545, F: +91 6726 268315, E: jindal_mines@yahoo.com

Registered Office: G.P. Jindal Marg, Jhark - 125 005 (Haryana), India.

Corporate Office: Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T: +91 11 26106345-60, F: +91 11 26170691, 26161271, E: info@jindalsteel.com, Website: www.jindalstainless.com

OFFICE OF THE
DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION,
AT: GHATAKULA, NIAPADA, CUTTACK 753010

No. 9952 /SF/2013

Dated, Cuttack the 28 Nov. 2013

To

The General Manager (Mining)
M/s Jindal Stainless Steel Ltd.
Kaliapani Chromite Mine
A/P/O: Kaliapani, Dist - Jajpur

Subj:-

Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record prior to the day of the FC Act came into force for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Subj:-

Payment of NPV for the forest lands (land as on 25.10.1980 and treated as non-forest) and Settlement records in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd., Kaliapani, Jajpur.

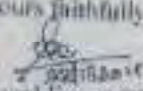
Ref:-
Sir,

This office Memo No. 4754 dt. 20.05.2013.

With reference to this office memo cited above it is to inform that payment has been made by you in respect of forest land as on 25.10.1980 for let, fill, location areas from letter No 196 dt. 29.09.2013 of the Mines Manager, Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. requisition has been made for 64.76 ha. of non-forest land against forest land 64.76 ha. proposed to be diverted i.e. equal extent of forest land. In this connection it is to inform that payment towards NPV over 64.301 ha forest land have been made and balance NPV over 0.459 ha forest land (i.e. 64.301 ha) amounting to Rs 0.459 ha X 730000/- = 335070/- is liable to be paid.


Hence you are requested to make arrangements for payment of the amount of Rs 335070/- (Rupees three lakh thirty-five thousand seventy only) in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPF) through P.O./ NEFT mode in Corporation Bank, Lathi Complex Branch, New Delhi 110071 (A/C No. No. CORP0000371, S.B. Account No. SB00025222) and submit the receipt in original as a token of discharge to this office for the needful. The above amount require to be deposited within 30 days from date of this letter positively alongwith an undertaking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,


Divisional Forest Officer,
Cuttack Forest Division


Memo No. 9953 dt. 28-11-2013

Copy forwarded to Regional Chief Conservator of Forests, Angul for kind information and necessary action in continuation to this office Memo No. 4754 dt. 20.05.2013.


Divisional Forest Officer,
Cuttack Forest Division

Memo No. 9954 dt. 28-11-2013

Copy forwarded to Addl. Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act)-O/o the Pr. C.C.F., Odisha, Bhubaneswar for kind information and necessary action in continuation to this office Memo No. 4754 dt. 20.05.2013.


Divisional Forest Officer,
Cuttack Forest Division

Letter no.JSL/KLPN/2015/254

To,

Date.16/12/2015

The Divisional Forest officer,

Cuttack Forest Division,

At.Ghatkula,Madhupatana,Cuttack-753010

Sub.Payment of NVP for the forest kissam land as on 25/10/1980 and treated as non forest
Hal Settlement record in respect of our mines.

Refs. i).Your office letter no -9952 dated 28/11/15.

ii) Your office memo no.4754 dated 20/05/15

iii) Letter no.2836 dated 20/11/15 of office of the Tahasildar,Sukinda

iv) Our office letter no 196 dated 29/09/15

Dear Sir,

With reference to the aboves and subject mentioned, we would like to inform you that in
our request letter to the collector and district magistrate for Compensatory Afforestation
land has been wrongly noted as 64.76 ha instead of 64.301 ha of which NPV has been
already paid from our end as per your office order.

Sir as per certification issued from office of the Tahasildar in sabik record area of 0.459 ha or
1.13 acre is demarcated as non forest.

Therefore we request your goodself not to consider the left area (0.459 ha) as forest and
imposed NPV amount of Rs.335070/- may please be exempted in respect of our Jindal
Chromite mines of Jindal Stainless limited.

Thanking you,

Your's faithfully,

For Jindal Stainless limited,

Remind
18/12/15

S.K.Sahoo

Asst.Gen.Manager



Jindal Stainless Limited

Jindal Chromite Mines, Kaliapani-755047, Jajpur (Odisha), India

T: 06726 268545, F: 06726 268315, E: jindal_mines@yahoo.com

Corporate Office: Jindal Center, 12 Bhikaji Cama Place, New Delhi-110056, India

Registered Office: O.P Jindal Marg, Hisar-125005, Haryana, India





JAIPUR ROAD BRANCH (1820)

JAIPUR - 755019, ODISHA

Tel No (06726) 220 540,

Email id: sbi.01820@sbi.co.in

WHOMSOEVER IT MAY CONCERN

Certified that the following RTGS is made in favour of Ad- hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) corporation bank A/c No SB01025222 payable at New Delhi by debiting OD account No. 31385694782 of JINDAL STAINLESS LIMITED

Favouring - Ad hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA)

Date of Payment	UTR No	Amount in Rs
05/05/2016	SBINR52016050529438883	3,35,070.00

(Rupees: Three Lakh Thirtty Five Thousand Seventy ~~only~~)

भारतीय स्टेट बैंक
STATE BANK OF INDIA
CHIEF MANAGER, JAIPUR ROAD
JAIPUR

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION

AT:- GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2957611 FAX:- 0671-2347611 Email:- dfocuttack-od@gov.in

No. 2467 / 51 (Forest Diversion) 61/2018

Dated, Cuttack the 06 August, 2021.

To

The Mines Manager,
Jindal Chromite Mines,
M/s Jindal Stainless Ltd., Kallipani, Odisha

Subj:- Diversion of forest land for non-forest purpose under Forest (Conservation) Act, 1980- Guidelines regarding extension of period of validity of approvals accorded under the Forest (Conservation) Act, 1980 for diversion of forest land for mining projects.

Ref:- Letter No. F.No. 11-51/2015-FC dt. 01.04.2015 of Govt. of India, MoEF & CC.

Sir,

With reference to the letter cited above on the captioned subject, it is to inform that that the Govt. of India, MoEF & CC vide letter under reference have intimated for realization of NPV from the user agency pertaining to the Mines and Mineral (Development and Regulation) Amendment Ordinance 2015, period of validity of approvals accorded under Section-2 of the FC Act shall be extended, and shall be deemed to have been extended up to a period co-terminus with the period of mining lease in accordance with the Provisions of the MMDR Act, 1957.

In this connection, for compliance of Condition No. (iii) of the above notification, it is requested to pay the Net Present Value (NPV) of Forest area that have already accorded stage-II approval under Section-2 of FC Act 1980 over an area of 22.80 Ha.

The NPV amount is calculated below:-

- | | | |
|-------|--|----------------------|
| (i) | Total Mining lease area-89 Ha. | |
| (ii) | NPV paid for 1.44 Ha
for safety zone of diverted
forest area over 22.80 ha | - Rs.10,51,200.00 |
| (iii) | NPV paid for 64.301 Ha
of forest land as per Sahik record | - Rs. 4,69,39,730.00 |
| (iv) | NPV Paid for 0.459 Ha
of forest land as per Sahik record | - Rs.3,35,070.00 |

As per site inspection report the condition of vegetation and type of forest in applied area is Eco- Value Class-I

Density of vegetation below 0.4

The NPV to be paid, for 22.80 Ha @ Rs. 7,30,000/- per Ha = Rs. 1,66,44,000.00

(Rupees One Crore Sixty-six lakh forty-four thousand) only.

(P.T.O.)

So, you are requested to make necessary arrangements for payment of the above amount through e-payment module & submit the receipt of the deposition as evidence with UTR No. & date to this office for reference & record.

Yours faithfully,

Divisional Forest Officer 03/09/2021
Cuttack Forest Division

Memo No 6160 Date 03.09.21

Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & 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 03/09/2021
Cuttack Forest Division

Memo No 6461 Date 03.09.21

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

Divisional Forest Officer 03/09/2021
Cuttack Forest Division



Letter No-JSL/KLPN/2021/126

Date: 30.09.2021

To,
The DFO
Cuttack Forest Division
Cuttack

Sub: Submission of NPV amounting Rs. 1,66,44,000/- for forest area (22.80Ha.) for which approval already obtained under section-2 of FC Act 1980.

Ref: Letter No.6459/5F (Forest Diversion) 61/2018, Dated: 03.09.2021

Dear Sir,

In connection to the letter referred above, this is to inform your good office that in lieu of the Present Value (NPV) for forest area (22.80Ha.) that have already accorded stage-II approval under Section-2 of FC Act, 1980 in respect of Jindal Chromite Mines of M/s-Jindal Stainless Limited amounting to Rs.1,66,44,000/- (One Crore Sixty Six Lakh Forty Four Thousand only) has been paid to the CAMPA Fund through e-payment module having MTR No. CNBR5202109276913913, Dated: 27.09.2021. Please find enclosed herewith the certified Challan copy issued by CANARA BANK, Bhubaneswar Road.

This is being submitted for your kind information and record please.

Thanking you,
For Jindal Stainless Limited

(Bachchan Kumar)
Head (Mines)

Encl. - As above



Jindal Stainless Limited
Jindal Chromite Mines

M/P.O : Kalapani - 755 017, Dist. : Jajpur, Odisha, India

T : +91 6726 258541, F : +91 6726 268115, E : jindal_mines@yahoo.com

Registered Office : Q.P. Jindal Marg, Bhubar - 755 005, (Bhubaneswar) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 065, India

F : +91 11 26180345 - 05, F : +91 11 26130691, 26161271, E : info@jindalsteel.com, Website : www.jindalsteel.com



AGENCY COPY


Union Bank

NIFT

NIFT

NEFT/RTGS CHALLAN for CAMPA Funds

Date - 27.09.2021

Agency Name	JHEEM STAINLESS LIMITED
Application No.	5841900045
NEFT/RTGS File No.	NA
Location	GORWA
Address	Jheem Stainless Limited, Kalinga Nagar Industrial Complex, Rajpur, Cuttack- 755028 Odisha
Account No.	106440001

Amount in Words: (Use Cash Only for NEFT Transfer)
Use in Cash Only

NEFT/RTGS to be made as per following details:

Beneficiary Name	ORISSA CAMPA
IFSC Code	0080003710
Pay to Account No.	150025041000045 Valid only for this challan amount
Bank Name & Address	Orissa 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


Union Bank

NIFT

NIFT

NEFT/RTGS CHALLAN for CAMPA Funds

Date - 27.09.2021

Agency Name	JHEEM STAINLESS LIMITED
Application No.	5841900045
NEFT/RTGS File No.	NA
Location	GORWA
Address	Jheem Stainless Limited, Kalinga Nagar Industrial Complex, Rajpur, Cuttack- 755028 Odisha
Account No.	106440001

Amount in Words: (Use Cash Only for NEFT Transfer)
Use in Cash Only

NEFT/RTGS to be made as per following details:

Beneficiary Name	ORISSA CAMPA
IFSC Code	0080003710
Pay to Account No.	150025041000045 Valid only for this challan amount
Bank Name & Address	Orissa 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 onlyAfter making successful payment, User Agencies may send a file of confirmation through
Email: helpdeskcampa@corpbank.co.inNote: 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: cb9371@corpbankofindia.com

CHALLAN 520210927 5411 211

27 SEP 2021

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION
GHATAKULA NUAPADA, CUTTACK-753010
E-mail Id-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611
No. 282/5F (Forest Diversion) 2/2022
Dated, Cuttack the 09 May, 2022.

To:-

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po-Kaliapani, Dist-Jajpur,
Odisha, Pin-755047.

Sub:-

Proposal for non-forestry use of 66.20 ha. forest land (including safety zone area 1.899ha.) under section 2(ii) of Forest (Conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani and Forest Block, 27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division.

Ref:-

File No. 8-68/2000-FC(pt.) dt. 29.03.2022 of Govt. of India, MoEF & CC.

Sir,

With reference to the letter cited above on the captioned subject, it is to inform you that the Govt. of India, MoEF & CC vide letter under reference have accorded Stage-I / in principle approval for non-forestry use of 66.20 ha. forest land (including safety zone area 1.899ha.) under section 2(ii) of Forest (Conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani and Forest Block, 27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division, with 37 nos. of conditions.

In this connection, for compliance of Condition No. vi, it is requested to pay the Net Present Value (NPV) of Forest area proposed to be diverted under the proposal as per the orders of Hon'ble Supreme Court of India dt. 28.03.2008, 24.04.2008 & 09.05.2008 in Writ Petition (Civil) No. 202/1195 & the Guidelines issued vide letter No. 5-3/2011-FC (Vol.) dt. 06.01.2022 in this regard.

The NPV amount is calculated below:-

- (iv) The Forest area proposed for diversion- 66.20 ha
- (v) Eco- Value Class-I, density of vegetation below 0.4
- (vi) The NPV to be paid @ Rs. 11, 16,900.00 per Ha. = 66.20 ha. X 11,16,900/-
= Rs. 7, 39, 38,780.00/-
- (vii) The NPV paid earlier @ Rs 7, 30,000.00 per Ha. = 66.20 ha. X 7,30,000/-
= Rs. 4, 83, 26,000.00
- (viii) Balance amount of NPV to be paid- Rs. 7, 39, 38,780.00.00 - Rs.4, 83, 26,000)
= Rs 2, 56, 12,780.00

(Rupees Two Crore Fifty-Six Lakh Twelve Thousand Seven Hundred Eighty) Only.

In view of above, it is requested to make arrangement to deposit the differential amount of Rs.2, 56, 12,780.00 (Rupees Two Crore Fifty-Six Lakh Twelve Thousand Seven Hundred Eighty) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

(P.T.O.)

Hence, you are requested to make arrangements for payment of the above amount through online portal into Ad-hoc CAMPA account & submit the receipt of the deposition as evidence with UTR No. & date to this office for reference & record. It is also requested to furnish an undertaking to pay the additional amount of NPV if so determined as per final decision of the Hon'ble Supreme Court of India.

Yours faithfully,


Divisional Forest Officer,
Cuttack Forest Division

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Conservator of Forests (Nodal), O/o- the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar.



Letter No. JSL/KLPN/2022/87

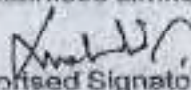
Date: 09.06.2022

To,
The DFO
Cuttack Forest Division
Cuttack

Sub: Submission of the details of payment towards differential NPV amount of Rs.02,56,12,780.00 through online portal into Ad-hoc CAMPA account.

Ref: Letter No.2880/SF (Forest Diversion)02/2022, Date: 09th April, 2022

Sir,
With reference to the letter referred above, this is to inform that the amount demanded, towards the differential NPV amount of Rs.02,56,12,780.00 (Rupees Two Crore Fifty-Six Lakh Twelve Thousand Seven Hundred Eighty only) with the Ad-hoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA), has been paid through e-payment module having UTR No. CNRBR52022060883982179 on date: 08.06.2022.
In support of evidence, the receipt of certified payment copy of e-challan (Generated from Portal) by bank inscribing the UTR details is attached for your information and record please.

Thanking You
For Jindal Stainless Limited
Jindal Stainless Limited

Authorised Signatory
Authorised Signatory
Jindal Chromite Mines

Encl:- As above



Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kalipani - 755 047, Dist. : Jajpur, Odisha, India
T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com
Registered Office : O.P. Jindal Marg, Hisar - 125 005 (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com



AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 06-06-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736215
MoEF/SG File No.	5-48/2000-FC-PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	571581800/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0003710
Pay to Account No.	150825820736219 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 : 06-06-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736215
MoEF/SG File No.	5-48/2000-FC-PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	571581800/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0003710
Pay to Account No.	150825820736219 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

RTGS UTR नं. CNRBR52022060883982179
Date - 06/06/2022कृते केनरा बैंक
For Canara Bankप्रबंधक/Chief Manager
जयपुर/ Jaipur Road-755019

CONDITION NO:-A (vii)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Jindal Stainless Limited shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the guidelines issued by this Ministry vide its letters No.5-3/2011-FC(Vol.) dated 06.01.2022 and 19.01.2022. The requisite funds shall be transferred through online portal into Ad-hoc CAMPA account of the State Concerned; new NPV guidelines.

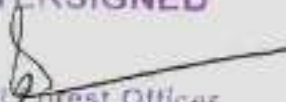
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

75

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalipani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

By Email, At -11.35 Am
dt - 10.05.2022

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA: NUAPADA: CUTTACK-753010

E-Mail: dfo.cuttack@odisha.gov.in

ANNEXURE - A/VIII

No. 2879 /5F (Forest Diversion) 02/2022

Cuttack the 09 th April, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-755047.

Sub:

Proposal for diversion of 66.20 ha. forest land (including safety zone area 1.899ha.) Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil of Jajpur District (under Cuttack Forest Division)

Ref:

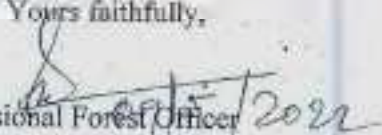
Memo No. 8264 dt. 13.04.2022 of the Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.

Sir

With reference to above correspondence it is to inform that Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act has technically approved the financial out lay of Rs.3,25,85,600/- (Rupees Three Crore Twenty five Lakh Eighty Five Thousand Six Hundred) only towards Compensatory Afforestation scheme over an area of 65.645 ha of non-forest land identified in village Serenda, Khamara, Badabahal, Gunthapada and Lohamunda under Kishorenagar Tahasil of Handapada Range of Athamalik Forest Division as per wage rate of Rs. 315/- per man-day with 10 years maintenance.

Hence, you are requested to make arrangement for payment of Rs. 3,15,85,600/- (Rupees Three Crore Fifteen Lakh Eighty Five Thousand Six Hundred) only with the Adhoc Body of CAMPA through the e-payment module and submit required evidence in respect of the payment to this office for reference and onward transmission. Similarly as per the approved scheme you are requested to provide one solar power plant and one vehicle mounted LED wall for awareness to the Divisional Forest Officer, Athamalik Division in kind.

Yours faithfully,


Divisional Forest Officer
Cuttack Forest Division.

Copy for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Chief Conservator of Forest, Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.
3. The Divisional Forest Officer, Athamalik Division, Athamalik.

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 06-06-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736219
MoEF/SG File No.	8-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Odisha- 755 026 Jajpur
Amount(in Rs)	57198380/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150825820736219 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 : 06-06-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736219
MoEF/SG File No.	8-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Odisha- 755 026 Jajpur
Amount(in Rs)	57198380/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0903710
Pay to Account No.	150825820736219 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: 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 data to Email: cb0371@unionbankofindia.com

RTGS UTR नं. CNRBR52022060583982179

Date: 06/06/2022

यूनिफा बैंक
For Canara Bankमुख्य प्रबंधक/Chief Manager
राज रोड/Jajpur Road-755019

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION
AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel: 0671-2340443 FAX: - 0671-2347611 Email: - dfo.cuttack@odisha.gov.in

No. 5681 /SF (Forest Diversion) 61 /2018

Dated, Cuttack the 25 th August, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-75504.

Sub:-

Proposal for diversion of 66.20 ha forest land (including safety zone area 1.899ha.)
Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite
Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil
of Jajpur District under Cuttack Forest Division.

Ref:-

Memo No.16346 dt.23.08.2022 of the Chief Conservator of Forests(Nodal), O/o
the PCCF & HoFF, Bhubaneswar, Odisha to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to
inform you that, the revised financial outlay for Compensatory Afforestation Scheme over an area
of 65.645 ha of Non-Forest Government land identified in village Serenda, Khamara, Badabahal,
Gonthapada and Luhmunda under Kishore Nagar Tahasil of Bandapa Range of Athamalik
Forest Division pertaining to the above project has been approved by Chief Conservator of Forests
(Forest Diversion & Nodal Officer, FC Act), O/o PCCF & HoFF, Bhubaneswar with financial
outlay for Rs. 3,81,94,200.00/- at the wage rate @326/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the differential
amount Rs. 36,08,600.00 (Rupees Fifty-Six Lakh Eight Thousand Six Hundred)
(Rs.3,81,94,200.00 - Rs.3,15,85,600.00-Rs.10,00,000) only with the Adhoc body of
Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-
payment module & submit the receipt of the deposition to this office for ready reference.
Similarly, as per the approved scheme you are requested to provide one solar power plant and one
vehicle mounted LED wall for awareness to the Divisional Forest Officer, Athamalik Division in
kind.

Yours Faithfully

Divisional Forest Officer
Cuttack Forest Division

Copy for kind information to:

(i)The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFF, Odisha,
Bhubaneswar.

(ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEF/SG File No.	8-68/2000-FC FT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Orissa- 755 028 Jajpur
Amount(in Rs)	11273707/-

Amount in Words: One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0906335
Pay to Account No.	156825820736763 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 : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEF/SG File No.	8-68/2000-FC FT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Orissa- 755 028 Jajpur
Amount(in Rs)	11273707/-

Amount in Words: One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0906335
Pay to Account No.	156825820736763 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: 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

UTR NO + CNRBR 5209209028908 11231

Date -> 08/09/2022



107

Kind Attention to Pt. Arun Kumar

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION
GHATAKULA: NUAPARA: CUTTACK

Memo No. 23/8 /5F (Misc.)
 Dated, Cuttack, the 21 - 6 - 10

To

The Resident Manager
 M/S. Jindal Stainless Ltd.
 50-HIG-BDA, Jaydev Vihar,
 Bhubaneswar.

DR P. File
[Signature]

Sub-

Division of Forest land for Chromite mining in Mahagiri D.P.F. of M/S Jindal Stainless Ltd. in Sukinda Tehsil of Jajpur District - Payment of differential amount of N.P.V. at Revised Rate.

Ref-

Memo No. 8235, Dt. 19.05.2009 of Pr.C.C.F., Orissa, circular No. 21687/F&E Dt. 22.12.2009 of Govt. of Orissa and Letter No. 9803 /F&E Dt. 28.05.2010 of the Govt. of Orissa.

In pursuance to memo no. 8235 dt. 19.05.2009 of Pr.C.C.F., Orissa and Govt. of Orissa, Forest & Environment Department letter No. 10 F (L) 232909-9803 Dt. 28.05.2010, you are requested to make arrangement for payment of Net Present Value (N.P.V.) in respect of Chromite Mining lease of Mahagiri Chromite Mines of M/s. Jindal Stainless Ltd. in Jajpur District of Orissa as calculated below:

- | | | |
|-------|--|--|
| (I) | Eco-Value Class-I | |
| (II) | Open Forest Canopy Density below 40%
La. below 24 Rate of N.P.V. 7,30,000/- | |
| (III) | Total Forest area 24.24 ha
Area already diverted = 22.80 @ nil
Balance area (24.24-22.80) i.e. 1.44ha. x 7,30,000/-
Amount to be paid | = 0.00
= Rs. 1051200.00
= <u>Rs. 1051200.00</u> |

You are therefore requested to make arrangement for payment of the balance amount of Rs. 1051200.00/- (Rupees Ten Lakh Fifty One Thousand Two Hundred) only through A/C payee Demand Draft in favour of "Compensatory Afforestation Fund (CAF) Orissa Account No. CA-1585 in Corporation Bank, Lodhi Road, New Delhi". The Bank Draft for the above amount required to be submitted to this office within 30 days from the date of issue of this letter positively failing which the mining operation will not be allowed to continue till the payment alongwith the interest at the rate to be decided is deposited.

Yours faithfully,

[Signature]
 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION

MEMO NO. _____ DT. _____

Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of information and necessary with reference to memo no. 8235 dt. 19.05.2010 of Pr.C.C.F., Orissa to his office.

DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION

MEMO NO. _____ DT. _____

Copy submitted to the Principal Chief Conservator of Forests, Orissa, Bhubaneswar for favour of information and necessary action with reference to this office Memo No. 8235 Dt. 19.05.2010.

DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION
GHATAKULA, NUAPADA, CUTTACK-753010

No. 4754 / SF (Misc)/2015

Dated, Cuttack the 26th May, 2015

To

The General Manager,
Kaliapani Chromite Mines of M/s Jindal Stainless Ltd.
Kaliapani, Jajpur.

Sub: -

Guidelines regarding prior approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government record on or after the day the FC Act came for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Sub-

Payment of NPV for the forest kissam land as on 25.10.1980 and treated as non-forest Hal Settlement records in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jajpur.

Ref: -

- (i) Memo No.5417 dt.30.03.2015 of Govt. of Odisha, F&E Deptt.
- (ii) F No.8-78/199-FC(pt.), GoI, MoEF & CC.
- (iii) Memo No.7031 dt.20.04.2015 of the PCCF, Odisha.

Sir,

In pursuance to the letters cited above on the captioned subject, you are requested to make arrangement for payment of Net Present Value (NPV) in respect of chromite mining lease of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jajpur as calculated below.

Total M.L area - 89.6 ha.

Forest area as per Hal Settlement Record which is diverted

- 22.80 ha. Forest area-24.24 and NPV amount paid - Rs. 10,51,200.00

Forest area as on 25.10.1980 out-of the non-forest area

(as per report of the Tehsildar, Sukinda vide his Letter No.

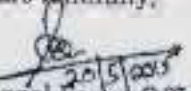
2836 dt. 20.11.2014) 64.301 ha. and amount required for

Payment @ Rs.730000/- (Eco-Value Class-I, canopy density

below 0.4) -Rs.4,69,39,730.00

Hence you are requested to make arrangement for payment of the amount of Rs. 4,69,39,730/- (Rupees Four Crore Sixty Nine Lakh Thirty nine thousand Seven Hundred Thirty) only in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodi Complex, Braham, New Delhi-110003 (RTGS /IFSC No. CORP0000371, SB Account No.SB01025222) and submit the receipt in original as a token of evidence to this office for the needful. The above amount require to be deposited within 30 days from issue of this letter positively alongwith an undertaking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,


Divisional Forest Officer,
Cuttack Forest Division

JSL/KLPN/2015/ 180
Date: 31.08.2015

The Divisional Forest Officer
Cuttack Forest Division
At: Ghatakula, Nuapada
Cuttack-753 010
Odisha

Sub: NPV payment made for the forest kism land on 25.10.1980 and treated as Non-Forest Hal settlement record in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jaipur

Ref: Your office Letter No 4754/5F(Misc)/ 2015 dated, Cuttack the 20th May, 2015 (copy enclosed)
: Our mines letter No JSL/KLPN/2015/125 dt 17.06.2015
: Our mines letter No JSL/KLPN/2015/ 162 dated 27.07.2015
: Our mines letter No. No JSL/KLPN/2015/ 169 dated 13.08.2015

Sir,

We would like to inform you that we have paid an amount of Rs 4,69,39,786/- through RTGS today on 31.08.2015. Detail of payment given below:

31 Aug 2015	CHO TRANSFER- RTGS SBINR520150831 19407011 ADHOC BODY OF COMPENSA- 752223	752223	1820	4,69,39,786.0 0
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In the mean time, we are already in the process of preparing the Forest Diversion proposal for our 64.301 Ha area.

Thanking You,
Yours faithfully,

For Jindal Stainless Limited

(S. K. Sahoo)
AGM(Mines)



83

Jindal Stainless Limited
Jindal Chromite Mines

AVP: Kaliapani- 755 047, Dist.: Jajpur, Odisha, India
T: +91 6726 268545, F: +91 6726 268315, E: jindal_mines@yahoo.com
Registered Office: D.P. Jindal Marg, Hisar - 125 005 (Haryana), India

Corporate Office: Jindal Centre, 13, Bhikaji Cama Place, New Delhi - 110 065, India

T: +91 11 26108343-60, F: +91 11 26170691, 26161271, E: info@jindalsteel.com, Website: www.jindalstainless.com

OFFICE OF THE
DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION,
AT:- GHATAKULA, NUAPADA, CUTTACK 753010

No. 9952 /STC/2015
Dated, Cuttack the 28 Nov, 2015

To

The General Manager (Mines)
M/s Jindal Stainless Steel Ltd.
Kaliapani Chrome Mine
At PO: Kaliapani, Dist :- Jajpur

Sub:-

Guidelines regarding price approval of Central Government under the Forest (Conservation) Act, 1980 for areas falling in the mining leases which were or are recorded as forest in the Government records on or after the day of the FC Act came into force for use of forest land falling in such mining leases for mining purposes, such areas were treated as non-forest.

X-Sub:-

Payment of NPV for the forest lessan land as on 23.10.1980 and treated as non-forest Had Settlement records in respect of Kaliapani Chrome Mines of M/s Jindal Stainless Ltd., Kaliapani, Jajpur.

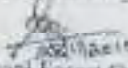
Ref:-
Sir,

This office Memo No. 4754 dt. 20.05.2015.

With reference to this office memo dated above, it is to inform that payment has been made by you in respect of forest land as on 23.10.1980. On 64.301 ha land as per letter No 196 dt. 29.09.2015 of the Mines Manager, Kaliapani Chrome Mines of M/s Jindal Stainless Ltd. requisition has been made for 64.76 ha. of non-forest land against forest land 64.76 ha proposed to be diverted (i.e. equal extent of forest land). In this connection it is to inform that payment towards NPV over 64.301 ha forest land have been made and balance NPV over 0.459 ha forest land (64.76-64.301) amounting to Rs 0.459 ha X 720000/- = 335070/- is liable to be paid.

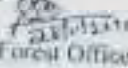
Hence you are requested to make arrangement for payment of the amount of Rs 335070/- (Rupees three lakh thirty-five thousand seven hundred and seventy only) in favour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS/ NEFT made in Corporation Bank, Loda Complex Branch, New Delhi-110005 (RANB HSC No. CORP00000371, S.B. Account No. SB01025222) and submit the receipt in original as a token of evidence to this office for the needful. The above amount require to be deposited within the time frame from issue of this letter positively alongwith an undertaking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours faithfully,


Divisional Forest Officer,
Cuttack Forest Division

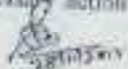
Memo No. 9953 dt. 28-11-2015

Copy forwarded to Regional Chief Conservator of Forests, Angul for kind information and necessary action in continuation to this office Memo No. 4754 dt. 20.05.2015.


Divisional Forest Officer,
Cuttack Forest Division

Memo No. 9954 dt. 28-11-2015

Copy forwarded to Addl. Chief Conservator of Forests (Forest Division & Nodal Officer, FC Act), O/o the Pr. C.C.F., Odisha, Bhubaneswar for kind information and necessary action in continuation to this office Memo No. 4754 dt. 20.05.2015.


Divisional Forest Officer,
Cuttack Forest Division



भारतीय स्टेट बैंक
State Bank of India

JAIPUR ROAD BRANCH (1820)

JAIPUR - 755019, ODISHA

Tel No (06726) 220 540,

Email id: sbi.01820@sbi.co.in

WHOMSOEVER IT MAY CONCERN

Certified that the following RTGS is made in favour of Ad- hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) corporation bank A/c No SB01025222 payable at New Delhi by debiting OD account No. 31385694782 of JINDAL STAINLESS LIMITED

Favouring - Ad hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA)

Date of Payment	UTR No	Amount in Rs
05/05/2016	SBINR52016050529438883	3,35,070.00

(Rupees: Three Lakh Thirtty Five Thousand Seventy only)

STATE BANK OF INDIA
JAIPUR ROAD
CHIEF MANAGER, JAIPUR ROAD
05.05.2016

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION
AT:- GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2952611 FAX:- 0671-2347611 Email:- dfo@cuttack-od.gov.in

No. 6459 / SF (Forest Diversion) 61/2018

Dated, Cuttack the 08 August, 2021.

To

The Mines Manager,
Jindal Chromite Mines,
M/s Jindal Stainless Ltd., Kalinipaul, Odisha

Sub:- (Diversion of forest land) for non-forest purpose under Forest (Conservation) Act, 1980- Guidelines regarding extension of period of validity of approvals accorded under the Forest (Conservation) Act, 1980 for diversion of forest land for mining projects.

Ref:- Letter No. P No. 11-51/2015-FC dt. 01.04.2015 of Govt. of India, MoEF & CC.

Sir,

With reference to the letter cited above on the captioned subject, it is to inform that that the Govt. of India, MoEF & CC vide letter under reference have intimated for realization of NPV from the user agency pertaining to the Mines and Mineral (Development and Regulation) Amendment Ordinance 2015, period of validity of approvals accorded under Section-2 of the FC Act shall be extended, and shall be deemed to have been extended up to a period co-terminus with the period of mining lease in accordance with the Provisions of the MMDR Act, 1957.

In this connection, for compliance of Condition No. (iii) of the above notification, it is requested to pay the Net Present Value (NPV) of Forest area that have already accorded stage-I approval under Section-2 of FC Act, 1980 over an area of 22.80 Ha.

The NPV amount is calculated below:-	
(i)	Total Mining lease area - 89 Ha.
(ii)	NPV paid for 1.44 Ha. - Rs. 10,51,200.00
	For safety zone of diverted forest area over 22.80 ha
(iii)	NPV paid for 64.361 Ha - Rs. 4,69,39,736.00
	of forest land as per Sabik record
(iv)	NPV Paid for 0.459 Ha. - Rs. 3,35,070.00
	of forest land as per Sabik record

As per site inspection report the condition of vegetation and type of forest in applied area is Eco-Value Class-I

Density of vegetation below 0.4

The NPV to be paid for 22.80 Ha. @ Rs. 7,30,000/- per Ha = Rs. 1,66,44,000.00

(Rupees One Crore Sixty six lakh forty-four thousand) only.

(P.T.O.)

AGENCY COPY

Utkarsh **Union Bank**

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Kutub

Agar
Kutub

NEFT/RTGS CHALLENGE CAMPA Funds

Date: 21.08.2021

Agency Name:	JAGAL STEELERS LIMITED
Application No.	604100045
NEFT/RTGS No.	NA
Location:	ORISSA
Address:	India Steelers Limited, Kalinga Nagar Industrial Complex, Jagor, Bhubaneswar 751 026, Odisha
Account No.:	105440000

Amount to be made: One Lakh Rupee, One Lakh Fifty Thousand Rupees Only.

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORISSA CAMPA
IFSC Code:	UORR0003710
Pay to Account No.	15822541000045 Valid only for this challenge amount
Bank Name & Address:	Union Bank Of India Lalita Complex Branch, Block 11, G.O. Complex, Phase I, Lalita Road, New Delhi - 110003

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

AGENCY COPY

Utkarsh **Union Bank**

Agar
Kutub

Agar
Kutub

NEFT/RTGS CHALLENGE CAMPA Funds

Date: 21.08.2021

Agency Name:	JAGAL STEELERS LIMITED
Application No.	604100045
NEFT/RTGS No.	NA
Location:	ORISSA
Address:	India Steelers Limited, Kalinga Nagar Industrial Complex, Jagor, Bhubaneswar 751 026, Odisha
Account No.:	105440000

Amount to be made: One Lakh Rupee, One Lakh Fifty Thousand Rupees Only.

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORISSA CAMPA
IFSC Code:	UORR0003710
Pay to Account No.	15822541000045 Valid only for this challenge amount
Bank Name & Address:	Union Bank Of India Lalita Complex Branch, Block 11, G.O. Complex, Phase I, Lalita 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 link 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

CHALLAN 5202104276411011
21/08/2021

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION
GHATAKULA, NUAPADA, CUTTACK-753010

E-mail ld-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611

No. 2880/ 5F (Forest Diversion) 2/2022

Dated, Cuttack the 09 May, 2022.

To:-

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po-Kaliapani, Dist-Jajpur,
Odisha, Pin-755047.

Sub:-

Proposal for non-forestry use of 66.20 ha. forest land (including safety zone area 1.899ha.) under section 2(ii) of Forest (Conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani and Forest Block. 27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division.

Ref:-

File No. 8-68/2000-FC(pt.) dt. 29.03.2022 of Govt. of India, MoEF & CC.

Sir,

With reference to the letter cited-above on the captioned subject, it is to inform you that the Govt. of India, MoEF & CC vide letter under reference have accorded Stage-I / in principle approval for non-forestry use of 66.20 ha. forest land (including safety zone area 1.899ha.) under section 2(ii) of Forest (Conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani and Forest Block. 27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division, with 37 nos. of conditions.

In this connection, for compliance of Condition No. vi, it is requested to pay the Net Present Value (NPV) of Forest area proposed to be diverted under the proposal as per the orders of Hon'ble Supreme Court of India dt. 28.03.2008, 24.04.2008 & 09.05.2008 in Writ Petition (Civil) No. 202/ 1495 & the Guidelines issued vide letter No. 5-3/2011-FC (Vol.) dt. 06.01.2022 in this regard.

The NPV amount is calculated below:-

- (iv) The Forest area proposed for diversion- 66.20 ha
- (v) Eco- Value Class-I, density of vegetation below 0.4
- (vi) The NPV to be paid @ Rs. 11, 16,900.00 per Ha. = 66.20 ha. X 11,16,900/-
= Rs. 7, 39, 38,780.00/-
- (vii) The NPV paid earlier @ Rs 7, 30,000.00 per Ha. = 66.20 ha. X 7,30,000/-
= Rs. 4, 83, 26,000.00
- (viii) Balance amount of NPV to be paid - Rs. 7, 39, 38,780.00.00 - Rs.4, 83, 26,000)
= Rs 2, 56, 12,780.00

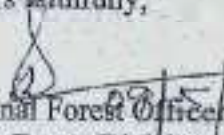
(Rupees Two Crore Fifty-Six Lakh Twelve Thousand Seven Hundred Eighty) Only.

In view of above, it is requested to make arrangement to deposit the differential amount of Rs.2, 56, 12,780.00 (Rupees Two Crore Fifty-Six Lakh Twelve Thousand Seven Hundred Eighty) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

(P.T.O.)

Hence, you are requested to make arrangements for payment of the above amount through online portal into Ad-hoc CAMPA account & submit the receipt of the deposition as evidence with UTR No. & date to this office for reference & record. It is also requested to furnish undertaking to pay the additional amount of NPV if so determined as per final decision of the Hon'ble Supreme Court of India.

Yours faithfully,


Divisional Forest Officer,
Cuttack Forest Division

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.
2. The Conservator of Forests (Nodal), O/o- the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar.

AGENCY COPY

यूनियन बैंक Union Bank



NEFT / RTGS CHALLAN for CAMPA Funds

Date: 06-06-2022

Agency Name	JINDAL STAINLESS LIMITED
Application No	5820736219
MoEF/SG File No	8-66/2000-FC PT
Location	ORRISA
Address	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026/Jaipur
Amount(In Rs)	57198380/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0003710
Pay to Account No:	150825820736219 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: 06-06-2022

Agency Name	JINDAL STAINLESS LIMITED
Application No	5820736219
MoEF/SG File No	8-66/2000-FC PT
Location	ORRISA
Address	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026/Jaipur
Amount(In Rs)	57198380/-

Amount in Words: Five Crore Seventy-One Lakh Ninety-Eight Thousand Three Hundred and Eighty Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0003710
Pay to Account No:	150825820736219 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

RTGS UTR नं. CNRBR52022060583982179
Date: 08/06/2022कृते केनरा बैंक
For Canara Bankप्रमुख अधिकारी
Chief Manager
मैद / Jaipur Road-755019

**OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION
GHATAKULA: NUAPARA: CUTTACK**

Memo No. 18 /
Dated, Cuttack 29th January 2013.

To,

*The Resident Manager,
M/S Jindal Stainless Ltd.,
50-HIG-BDA, Jayadev Vihar, Bhubaneswar.*

Sub: Implementation of Wildlife Management Plan in the Mining area
at Project cost.

X-Sub: Payment of cost of Wildlife Management Plan in respect of lease
of Mahagiri Chromite Mines of M/S Jindal Steels Ltd. (now renamed as
Jindal Stainless Ltd).

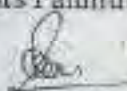
Ref: Letter No.10F (Cons)-81/2004-6495/F&E Dt.23.03.2008 of Govt.
of Orissa Forest & Environment Department communicated to
all CF & and DFOs by the CCF (Nodal) O/O-the P.C.C.P, Orissa
vide his memo no.8664/9F (MG)-65/2005 Dt.02.05.2008 &
No.2027/9F (MG)-65/2005 Dt.11.02.2009.

Dear Sir,

Please refer to this office memo cited above on the captioned subject and
you are requested to make payment of Rs. 17,80,000/- (Rupees seventeen lakh eighty thousand)
only towards cost of Wildlife Management Plan over 89.00ha. of M.L. area in respect of
Kaliapani Chromite Mines of Jindal Steels Ltd. through RTGS- Real Time Gross Settlement /
NEFT National Electronic Funds Transfer mode in the State Specific CAMPA Account maintained
by MoEF, Government of India in either of the Banks mentioned below and submit proof/evidence
of the deposition to this office immediately for onward transmission:

1. Union Bank of India, Sundar Nagar, New Delhi-110003 (RTGS/IFSC No. UBIN0534498)
2. Corporation Bank, Lodhi Complex Branch, New Delhi-110003 (RTGS/IFSC
No. CORP0000371).

Yours Faithfully,


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Letter No JSL/KLPN/2013/69

Date 18.03.13

To
The Divisional Forest Officer,
Cuttack Forest Division.
Cuttack,
ODISHA

Sub :- Implementation of wild life Management plan in the Mining area at project cost..

Ref :- Memo No.18 dated 2nd Jan'13

Sir,

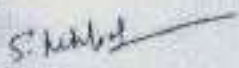
With reference to your above said letter we have already paid Rs.17,80,000/- to your compensatory afforestation fund on dated 16.02.13 vide RTGS No.SBINH13047323824.

This is for your kind information.

Thanking you

Yours faithfully

For Jindal Stainless Ltd


S.S.Mohapatra
Sr.Mgr(Mines)



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE.
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res),
Email Id: rcfangu@gmail.com

Memo No. 3307/SF.FC-18/2022. Dated. 06.8.22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Approval of schemes for 1.5 times of safety zone.

Ref:- Your Memo No. 5036 dated 28.7.2022

As per condition No. B (iv) (d) of the stage-I approval order, the scheme for afforestation on degraded forest land over one and half times of the area under safety zone identified inside Daitari DPP submitted vide your memo under reference is approved by the undersigned for Rs.27,50,052/- at the wage of Rs.326/- per man-day.

A copy of approved scheme is sent herewith and you are requested to raise demand on the user Agency to deposit the approved amount in proper head of account and submit point-wise compliance on the stipulated condition imposed in stage-I approval order along with CAMPA Format to this office immediately for further action.

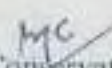
Encl: As above.


Regional Chief Conservator of Forests
Angul

Memo No. 3308/dated. 06.8.22

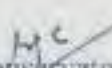
Copy along with a copy of the above approved scheme forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.5036 dated 28.7.2022. of the DFO, Cuttack Division.

Encl: As above.


Regional Chief Conservator of Forests
Angul.

Memo No. 3309/dated. 06.8.22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.


Regional Chief Conservator of Forests
Angul

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

Memo No 5607 /SF (Forest Diversion) 61 /2018

Dated, Cuttack the 23 th August, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-755047.

Sub:-

Proposal for diversion of 66.20 ha forest land (including safety zone area- 1.899ha.) Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil of Jajpur District under Cuttack Forest Division, **Approval of schemes for 1.5 times of safety zone.**

Ref:-

Memo No.3307 dt.06.08.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No. B (xv) (d) of stage-1 approval order, one scheme for Afforestation on degraded forest land over one and half times of the area under safety zone identified inside Daitari DPF has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 27, 50,052.00/- at the wage rate @326/- per Manday with 10 years maintenance.


In view of above, it is requested to make arrangement to deposit the amount Rs. 27,50,052.00 (Rupees Twenty-Seven Lakh Fifty Thousand Fifty-Two) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

This is for information and an early action

Encl:- As above.

Yours Faithfully



Divisional Forest Officer
Cuttack Forest Division

Copy for kind information to:

(i)The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFF, Odisha, Bhubaneswar.

(ii)The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY


Union Bank
OF INDIA


NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEFISG File No.	5-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Orissa- 755 026 Jaipur
Amount (in Rs.)	11273707/-

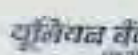
Amount in Words : One Crore Twelve Lakh Seventy-Three
Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following
details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0906335
Pay to Account No.	150825820736763 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


Union Bank
OF INDIA


NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEFISG File No.	5-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Orissa- 755 026 Jaipur
Amount (in Rs.)	11273707/-

Amount in Words : One Crore Twelve Lakh Seventy-Three
Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following
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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

UTR NO + CRRSR 5820736763 08/08/2022

Date - 30/08/2022



5F
23.5.2022



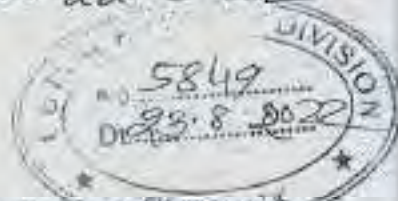
OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL, CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011(Res),

Email Id: rcfangul@gmail.com

Memo No. 3481 / 5F.FC-18/2022. Dated. 22.8.22

To

The Divisional Forest Officer,
Cuttack Forest Division.



Sub: Proposal for diversion of 66.20 ha of forest land (including ~~safety zone~~ ^{area} of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahsil of Jajpur District under Cuttack Forest Division.

Ref- Your Memo No. 5411 dated 17.08.2022 and No.5583 dated 22.8.2022.

As per condition No. A (ix) of the stage-I approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Jindal Chromite Mines of Jindal Stainless Ltd. submitted vide your memo under reference is approved by the undersigned for Rs.29,15,055/- at the wage of Rs.326/- per man-day.

A copy of approved scheme is sent herewith for information and needful action. Further, you are requested to submit point-wise compliance on the stipulated conditions imposed in stage-I approval order along with CAMPA Format to this office immediately for onward transmission to the Principal CGF, Odisha.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3482 dated. 22.8.22

Copy along with a copy of the above approved scheme forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.5411 dated 17.8.2022, of the DFO, Cuttack Division.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3483 dated. 22.8.22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

Received
enclosure
23-8-22

Regional Chief Conservator of Forests
Angul

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfo.cuttack@odisha.gov.in

Memo No. 5682 /SF (Forest Diversion) 61 /2018

Dated, Cuttack the 25th August, 2022

To

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jajpur,
Odisha, Pin-755047.

Sub:-

Proposal for diversion of 66.20 ha forest land (including safety zone area 1.899ha.) Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Taluq of Jajpur District under Cuttack Forest Division.

Ref:-

Memo No 3483 dt.22.08.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No. A (ix) of stage-1 approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Jindal Chromite Mines of Jindal Stainless Ltd. has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 29, 15,055.00/- at the wage rate @326/- per Munday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the amount Rs. 29,15,055.00 (Rupees Twenty-Nine Lakh Fifteen Thousand Fifty-Five) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

Yours Faithfully


Divisional Forest Officer
Cuttack Forest Division

25/8/2022

Copy for kind information to:

- (i) The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFF, Odisha, Bhubaneswar.
- (ii) The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEF/SO File No.	B-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Orisha- 755 026/Jajpur
Amount(In Rs)	11273707/-

Amount in Words : One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees - Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150825820736763 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 : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEF/SO File No.	B-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jajpur, Orisha- 755 026/Jajpur
Amount(In Rs)	11273707/-

Amount in Words : One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees - Only

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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.inNote: 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

UTR NO + CNRBR 52022090207084231

Date -> 08/09/2022



SCHEME FOR
PLANTATION OVER DEGRADED FOREST LAND 100MTR.
AROUND THE MINING LEASE AREA
OF
JINDAL CHROMITE MINES
OF
M/s- JINDAL STAINLESS LIMITED
UNDER
CUTTACK FOREST DIVISION

Compliance to the condition No. A (ix) of the Stage-1 Forest Clearance granted by MoEF & CC,
Govt. of India vide F.No.8-68/2000-FC (pt), Dt.29.03.2022

INTRODUCTION

MoEF & CC accorded approval for 'in-principle' under section-2 of the Forest Conservation Act-1980 vide its order no. F No- 8-68/2000-FC(pt), Dt.29.03.2022 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani and forest Block No-27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division, subject to fulfillment of certain conditions

The condition No. A (ix) is "The User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meters from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF & CC before Stage-II Clearance";

In compliance to the above condition, a comprehensive scheme is prepared for implementation of the same by the user agency.

1. LOCATION OF THE AREA

Jindal Chromite Mines over 89.0 ha is located in village-Kaliapani and Forest Block No - 27 of Sukinda Tahsil of Jajpur District. The Kaliapani village of Sukinda Tahsil area is the major chromite deposit of the India which exhibits about 97 % of the total Chroma ore reserve in India. There are 27 Mining Leases approx. in the area for production of Chromite ore. Jindal Chromite Lease is surrounded by other mines such as Sukinda Chromite Mines of Tata Steel Mining Limited in the south boundary, Kaliapani Chromite Mines of Balasore Alloys Limited in the North boundary and Tomka - Mangalpur Panchayat road is passes adjacent to the Western Boundary of the Mining Lease. In the Eastern part of the Mining Lease, Forest Block no-27 of Mahagiri DPF is located.

Hence, in the 100mtr from outer perimeter of the Eastern Boundary of the Mining Lease in the Mahagiri DPF, an area of 3.18ha of degraded open forests (having crown density less than 0.40) is identified, which needs to be carried out gap planting and soil & moisture conservation activities to restock and rejuvenate.

Gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40) over an area of 3.18 ha, within the 100 meters from outer perimeter of the Mining Lease area (Map showing the Within 100 meters from outer perimeter of the Mining Lease area is enclosed as Plate No. 1). A comprehensive scheme for plantation over 3.18 ha. is prepared as under:

2. PLANTATION MODEL:-

Plantation @ 1000 plants/ hectare will be raised with maintenance of plantation for 10 years. A site-specific cost norm for the plantation is furnished as Annexure-II.

3. TECHNICAL DETAILS:-

Plantation @ 1000 plants/ hectare at spacing of 2.5m x 2.5m alignment and pit marking should be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs, and not the distance measured along the slope. Size of pits will be 45 cm X 45 cm X 45 cm. 18 months old saplings will be used for plantation. All post-planting measures like casualty replacement, soil working, manuring, fire protection etc. will be undertaken in time.

While taking up plantation, the following points shall be carefully followed:-

- Pitting shall invariably be done during November-February i.e., before onset of monsoon.

If possible, the soil of upper portion and lower portion of pit should be placed separately in specific direction so that while planting the pits will be filled with top-soil first.

- Planting shall be done on the onset of monsoon to get full benefit of monsoon rain and planting should never be delayed.
- Basal dose of fertilizer and insecticide should be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with fertilizer.
- In case of any mortality of planted seedlings, it should be replaced with good seedlings as soon as possible for better success rate.
- Complete weeding in proper time will be done. Strip weeding will not be permitted.
- Soil-working and application of 2nd dose fertilizer should be done in time.
- Bamboo twig fencing is adopted on both side of Plantation for better protection. The cost norm for the barbed fencing is furnished as Annexure-III.

Species:

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


Name of species	Common name	Remarks
<i>Azadirachta indica</i>	Neem	In rocky areas with low soil depth
<i>Ferris indica</i>	Karanja	In rocky areas with low soil depth
<i>Embolia officinalis</i>	Amli	In rocky areas with low soil depth
<i>Terminalia chebula</i>	Harida	In lower areas with good soil depth
<i>Terminalia belirica</i>	Bahada	In lower areas with good soil depth
<i>Dalbergia sissoo</i>	Sissoo	In lower areas with good soil depth
<i>Gmelina arborea</i>	Gambhari	In lower areas with good soil depth
<i>Dendrocalamus strictus</i>	Salia bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
<i>Dalbergia sissoo</i>	Sissu	In lower areas with good soil depth
	Chakunda	In lower areas with good soil depth
<i>Tamarindus indica</i>	Tentul	In lower areas with good soil depth
<i>Madhuca indica</i>	Mahul	Only two years old seedlings may be planted
<i>Simariba glauca</i>	Simaruba	In rocky areas with low soil depth
<i>Zizyphus mauritanja</i>	Ber	In rocky areas with low soil depth
<i>Mangifera indica</i>	Mango	In situ plantation (direct placing of mango stone in planting site) during pre-monsoon may be adopted in few lower areas or where life-saving watering can be done during summer.

4. EXECUTING AGENCY:-

The work in the present Scheme shall be executed by M/s Jindal Stainless Limited.

5. REQUIREMENT OF FUNDS:-


The total cost of the implementation of the project will be Rs.29, 15, 055.00(Rupees Twenty-Nine Lakh Fifteen Thousand Fifty-Five) only as shown in Annexure-V. This budget will be subject to increase in amount considering the increase in materials and labour charges.


Divisional Forest Officer
Cuttack Forest Division

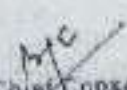
Total Project Cost for Plantation in Degraded Forest land over 3.18 ha in Mahagiri DPT

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 3.18 Ha @2,56,207/Ha	Rs.8,14,738.26
2	Fencing Model-E-I(Bamboo Twig) over 3.18 Ha@1,07,216/Ha	Rs.3,40,946.88
3	Soil Moisture Conservation cost over 3.18 Ha @37,415/Ha	Rs.1,18,979.70
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 3.18 Ha @5,15,846/Ha	Rs.16,40,390.28
	Grand Total	Rs.29,15,055.12 Or Rs.29,15,055.00

(Rupees Twenty-Nine Lakh Fifteen Thousand Fifty-Five) Only


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Approved for Rs. 29,15,055/-


Regional Chief Conservator
of Forests, Angul Circle.

**SCHEME FOR PLANTATION OVER DEGRADED FOREST LAND 100MTR AROUND THE MINING LEASE AREA
OF JINDAL CHROMITE MINES OF M/s JINDAL STAINLESS LIMITED UNDER CUTTACK FOREST DIVISION
OVER 3.18 HA IN MAHAGIRI OFF DURING 2022-23**

Name of the Project:-	SCHEME FOR PLANTATION OVER DEGRADED FOREST LAND 100MTR AROUND THE MINING LEASE AREA OF JINDAL CHROMITE MINES OF M/s JINDAL STAINLESS LIMITED UNDER CUTTACK FOREST DIVISION OVER 3.18 HA IN MAHAGIRI OFF DURING 2022-23.
Name of Implementing Agency:-	JINDAL STAINLESS LIMITED

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA.	1,000
3. TOTAL AREA TO BE PLANTED (in HA.)	3.18
4. SPACING TO BE ADOPTED	2.5Mtr X 2.5Mtr
5. TOTAL NOS. OF PLANTS TO BE PLANTED	3,180
6. Wage Rate (Per MD)	325.00

Sl. No.	Item of Work	Period of execution	Mandays	Labour Cost @ Rs.325/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Piler Posting	Nov/Dec	2	650.00	0	650.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	325.00	0	325.00
3	Site preparation (Clearing & removal of debris)	Nov/Dec	12	3,912.00	0	3,912.00
4	Creation of 4 m wide inspection path	Feb/Mar	1	325.00	0	325.00
5	Alignment and stacking of pits	Feb/Mar	1	325.00	0	325.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,000.00	0	13,000.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc.	Jan/Mar	0	0.00	2500	2,500.00
	Total:-		57	18,582.00	3,600.00	22,182.00
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 1% of the total cost					1109
	Grand Total:-					23,291.00
1st Year Planting Year						
1	Rolling of pits by allowing the top soil at the site, application of Organic compounds/ CEM FYM & mixing the same properly.	Jan/Feb	7.5	2,437.50	5,000.00	7,437.50
2	Transportation of 14 months old polyprop seedlings in hired truck tractor from the Permanent Mega nursery to planting site including loading & unloading (Average load of 10 P/m) & stacking the seedlings @ Rs.4/- per Seedling (1100 nos.)	July/Aug	0	0.00	6,600.00	6,600.00
3	Watering the polyprop seedlings at planting site	July/Aug	2	650.00	0.00	650.00
4	Convergence of polyprop seedlings on head land from the stacking site to individual dug out pits within the planting site, applying insecticide, fertilizers & planting after working the soil with other applied materials & pruning the soil properly around the planted seedlings.	July/Aug	22.5	7,312.50	0.00	7,312.50
5	Cost of Fertilizer & Insecticide: (a) NPK / Bio-fertilizer @250 gram/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs.1500.00 (b) Urea/ Vermicompost/ Mo-Khata/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gram/ plant = 5 kg @ Rs.150/- per kg = Rs.750.00	July/Aug	0	0.00	3,000.00	3,000.00
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	812.50	0.00	812.50
7	1st Weeding & Mulching	Aug/Sept	12	3,912.00	0.50	3,912.50

8	2nd Weeding, Soil working (1m1 Diameter around the plants) and Mulching	Oct/Nov	15	4,800.00	0.00	4,800.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
10	Watch & Ward including watering as per requirement	Aug-Mar	12	3,912.00	0.00	3,912.00
	Total:-		76.5	24939	14600	39,539.00
11	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					1,977.00
	Grand Total:-					41515
2nd Year Maintenance						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.6/- per seedling.	Jul	8	0.00	600.00	600.00
2	Cassidy Replacement @ 10%	Jul	2.5	815.00	0.00	815.00
3	Cost of Fertilizer & Insecticide: (a) Cost of Insecticide Bio-pesticide @ 2 gms/acre = 6.5 kg @ Rs.150/- per kg = Rs.75/- (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khat/ any other fertilizer @ Rs.2000/-	Aug/Sept	0	0.00	2,575.00	2,575.00
4	Weeding (Complete weeding, Mulching & Soil working (1m1 Diameter around the plants)	Sept/Oct	13	4,530.00	0.00	4,530.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
6	Watch & Ward including watering as per requirement	Apr-Mar	18	5,886.00	0.00	5,886.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	Total:-		38.5	12551	4,475.00	17626
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					851
	Grand Total:-					17677
3rd Year Maintenance						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo Khat/ any other fertilizer)	Sept/Oct	3	0.00	2,800.00	2,800.00
2	Weeding, Mulching & Soil working (1m1 Diameter around the plants)	Sept/Oct	15	4,890.00	0.00	4,890.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
4	Watch & Ward including watering as per requirement	Apr-Mar	18	5,886.00	0.00	5,886.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	Total:-		38	11,736.00	3,800.00	15,536.00
6	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					777
	Grand Total:-					16,313.00
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,886.00	0.00	5,886.00
	Total:-		21	6,864.00	0	6,864.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					342
	Grand Total:-					7,180.00

5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		21	6,825.00	0	6,825.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,168.00
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Pruning of branches, Singing out of multiple shoots	Jan/Mar	3	975.00	0.00	975.00
3	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		24	7,824.00	0	7,824.00
4	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					391
	Grand Total:-					8,215.00
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		21	6,825.00	0	6,825.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,168.00
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		21	6,825.00	0	6,825.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,168.00
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		21	6,825.00	0	6,825.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,168.00
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. length) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of fencing	Apr/May	18	5,850.00	0.00	5,850.00
	Total:-		21	6,825.00	0	6,825.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,168.00

TOTAL COST FOR 1 HA							
Sl. No.	Year	No. person days	Labour Cost @ Rs.325/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.52.1771/- per seedlings	Total Cost (Rs.)
1	0th year	57	18582	3000	1109	0	22,291.00
2	1st year	73.2	24039	14800	1977	57394.61	88,010.81
3	2nd year	38.5	12551	4475	851	8217.71	25,094.71
4	3rd year	35	11388	3800	777	0	16,313.00
5	4th year	21	6846	0	342	0	7,188.00
6	5th year	21	6846	0	342	0	7,188.00
7	6th year	24	7824	0	391	0	8,215.00
8	7th year	21	6846	0	342	0	7,188.00
9	8th year	21	6846	0	342	0	7,188.00
10	9th year	21	6846	0	342	0	7,188.00
11	10th year	21	6846	0	342	0	7,188.00
Total:-		358	1,16,708.00	28,475.00	7,157.00	62,612.52	2,12,952.52

TOTAL PROJECT COST FOR 3.18 HA							
Sl. No.	Year	No. Man-days	Labour Cost @ Rs.325/-	Material Cost (Rs.)	MELD & Other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.52.1771/- per seedlings	Total Cost (Rs.)
1	0th year	121.26	39409.75	11448.00	2526.62	0	51,884.37
2	1st year	243.27	79085.02	45426.00	6265.36	132515.60	2,66,892.35
3	2nd year	122.43	39819.75	14290.3	2705.15	16962.39	79,441.15
4	3rd year	114.49	37210.40	12094	2471.88	0	51,876.34
5	4th year	65.78	21470.25	0	1087.66	0	22,557.91
6	5th year	65.78	21470.25	0	1087.66	0	22,557.91
7	6th year	75.93	24888.25	0	1243.38	0	26,131.63
8	7th year	65.78	21470.25	0	1087.66	0	22,557.91
9	8th year	65.78	21470.25	0	1087.66	0	22,557.91
10	9th year	65.78	21470.25	0	1087.66	0	22,557.91
11	10th year	65.78	21470.25	0	1087.66	0	22,557.91
Grand Total:-		1135.44	3,71,131.45	64,180.00	22,759.26	1,99,107.01	6,77,189.01
OR							6,77,189.00
(Rupees Six Lakh Seventy-Seven Thousand One Hundred Eighty-Nine) Only							

[Signature]
Sub-Range Officer
Subsidiary Range


[Signature]
Asst. Conservator of Forests
Cuttack Forest Division

[Signature]
Divisional Forest Officer
Cuttack Forest Division

Matrix for Model-I A Conventional CA Plantation (AR) 1000 plants

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2021-22	22291	98911	23095	16313	7188	7188	8215	7188	7188	7188	7188											212953
2	2022-23	23291	103856	25462	18884	8737	9174	11099	10114	10620	11151	11708											244007
3	2023-24		24456	109049	26735	19829	19174	9633	11559	10620	11151	11708	12294										256307
4	2024-25			25678	114502	28072	20870	9633	10114	12137	11151	11708	12294	12909									269018
5	2025-26				26962	120227	29475	21861	10114	10620	11151	11708	12294	12909	13554								282469
6	2026-27					28310	126238	30949	22954	10620	11151	11708	12294	12909	13554	14232							296592
7	2027-28						29726		32497	24102	11151	11708	12294	12909	13554	14232	14943						311432
8	2028-29							31212	339373	34121	25307	11708	12294	12909	13554	14232	14943	15691					326993
9	2029-30								32773	346136	35827	26172	12294	12909	13554	14232	14943	15691	16475				343342
10	2030-31									34411	123443	37619	27901	12909	13554	14232	14943	15691	16475	17299			360510
											36132	161115	39500	29296	13534	14232	17078	15691	15475	17299	18164		378355

(Rupees Two Lakh Fifty-Six Thousand Two Hundred Seven) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION

FENCING FOR COMPENSATORY PLANTATION RAISED INSIDE THE FOREST AREAS USING BAMBOO TWIGGS & THIRNS (250 RMT/LA.)

1. MODEL	BLOCK
2. TOTAL AREA TO BE FENCED (250 Rmt./Ha.)	3.18 Ha.
3. Wage Rate [Per MD]	326.00

WAGE RATE Rs.326/-PER DAY						
Sr. No.	Item of work	Preferable Period of Execution	Man Days	Wages	Material cost	Total Cost (Rs./Ha.)
0th Year (PFO)						
1	ML		0	0	0	0
1st Year Maintenance						
1	Taking an average perimeter of 250 Rmt./Ha. @ 91.25/ mt. (Half bundle Bamboo Twiggs/ mt. @ 120 / Bundle) Labour + material = 45.60 (approx)	Sept/Oct	30	9,780.00	14,133.00	23,913.00
2	Bamboo poles of 4" height at a distance of 2mt. spacing to be fixed (2" wider & 2" above soil) $250/2 = 125 + 1 = 126$ Nos. of Bamboo Poles 1. Bamboo (approx) 24" height = 2 Poles $126/2 = 63$ Bundles @ 200/-/Bamboo	Sept/Oct	-	-	8,400.00	8,400.00
3	Preparation of Bamboo Poles, Copping of poles of 2 Ft. depth & giving Bamboo poles @ 20 poles @ 100	Sept/Oct	63	2,118.00	-	2,118.00
4	Cost of Bamboo for tying the Bamboo twiggs fence with double side two strand Bamboo latten (One 6" above ground and other one 4 ft" above ground) $250 \times 2 \times 24 = 12$ Bundles @ 200 / Bamboo	Sept/Oct	-	-	4,200.00	4,200.00
5	Mowing Bamboo latten, Finishing the latten & tying the same on double strand on Chit rope etc. Rs. 117/Rmt.	Sept/Oct	9	2,934.00	-	2,934.00
6	Cost of coil rope @ Rs.0.125 Kg/Rmt $250 \times 0.125 \text{ Kg} = 62.5 \text{ Kg}$ @ Rs.70/Kg.	Sept/Oct	-	-	4,375.00	4,375.00
7	Making one Bamboo Twiggs gate with Bamboo frame		-	-	300.50	300.50
Total:-			85.5	14,812.00	31,508.50	46,441.50
Rate per running mt. $46441.50 / 250 = 185.77$ Rs.						
2nd Year Maintenance						
1	Repair & Maintenance of Bamboo Twiggs fence including Material cost	Feb/Mar	20	6,520.00	1,325.00	8,845.00
Rate per running mt. $8845 / 250 = 35.38$ Rs. or Rs.31/-Rmt.						
3rd Year Maintenance						
1	Repair & Maintenance of Bamboo Twiggs fence including Material cost	Feb/Mar	20	6,520.00	1,325.00	8,845.00
Rate per running mt. $8845 / 250 = 35.38$ Rs. or Rs.31/-Rmt.						
4th Year Maintenance						
1	Repair & Maintenance of Bamboo Twiggs fence including Material cost	Feb/Mar	20	6,520.00	1,325.00	8,845.00
Rate per running mt. $8845 / 250 = 35.38$ Rs. or Rs.31/-Rmt.						
5th Year Maintenance						
1	Repair & Maintenance of Bamboo Twiggs fence including Material cost	Feb/Mar	20	6,520.00	1,325.00	8,845.00
Rate per running mt. $8845 / 250 = 35.38$ Rs. or Rs.31/-Rmt.						


TOTAL COST FOR 1 HA(250Rmt.)


Year	No. of MD	Labour Cost	Material Cost	Total
0 th Year	-	-	-	0.00
1 st Year	45.50	14,333.00	31,698.50	46,031.50
2 nd Year	20	6520.00	1500.00	8,020.00
3 rd Year	20	6520.00	5675.00	12,195.00
4 th Year	20	6520.00	5675.00	12,195.00
5 th Year	20	6520.00	5675.00	12,195.00
TOTAL:-	125.5	40,513.00	50,133.50	91,646.50

TOTAL COST FOR 3.18 HA(0.795 Rkm)

Year	No. of MD	Labour Cost	Material Cost	Total
0 th Year	0	-	-	-
1 st Year	144.7	47,168.94	1,00,515.03	1,47,683.97
2 nd Year	64	20,733.60	4,770.00	25,503.60
3 rd Year	64	20,733.60	18,646.50	39,380.10
4 th Year	64	20,733.60	18,646.50	39,380.10
5 th Year	64	20,733.60	18,646.50	39,380.10
TOTAL:-	397.00	1,30,103.34	1,59,424.53	2,89,527.87
OR	399	1,30,103.00	1,59,425.00	2,89,528.00

(Rupees Two Lakh Eight-Nine Thousand Five Hundred Twenty-Eight)Only


Jyoti Anand
Sub-Range Officer
Sukinda Range

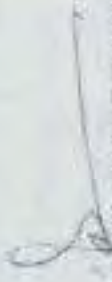

Asst. Conservator of Forests
Cuttack Forest Division


Divisional Forest Officer
Cuttack Forest Division

Matrix for Fencing Model-F-I (Bamboo Twig)

Sl. No.	Common cement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
	Base Norm	0	46442	8020	12195	12195	12195																91047
1	2021-22	0	48764	8842	14117	14623	15564																102110
2	2022-23	0	51202	9284	14823	15584	16342	16342															107216
3	2023-24	0	53762	9748	15564	16342	17160	17160	18018	18018	18918												112577
4	2024-25				0	56450	10236	16342	17160	18018	18918	19864											118205
5	2025-26					0	59272	10748	17160	18018	18918	19864	20858										124116
6	2026-27						0	62236	11284	18018	18918	19864	20858										130321
7	2027-28							0	65348	11849	18918	19864	20858	21900									136837
8	2028-29								0	68615	12442	19864	20858	21900	22995								143679
9	2029-30									0	72046	13064	20858	21900	22995								150863
10	2030-31										0	75648	13717	21900	22995	24145							158406

(Rupees One Lakh Seven Thousand Two Hundred Sixteen) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION

SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1000 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on L.S.	Apr/Sept	20,215.00
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/ per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 3.18 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	64283.70	64,283.70
3	2 nd Year	0	0.00	9641.76	9,641.76
4	3 rd Year	0	0.00	9641.76	9,641.76
5	4 th Year	0	0.00	9641.76	9,641.76
6	5 th Year	0	0.00	9641.76	9,641.76
Total		0	0.00	102850.74	1,02,850.74
OR					1,02,851.00

(Rupees One Lakh Two Thousand Eight Hundred Fifty-One)only


Jyoti Ranjan Officer
Lakshmi Rana


Asst. Conservator of Forests
Cuttack Forest Division


Divisional Forest Officer
Cuttack Forest Division

Matrix for (SMC) for IIR

Sl. No.	Course renewal Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2021-22	0	20215	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	32543
2	2022-23	0	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	21726	35834
3	2023-24	0	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	22587	37415
4	2024-25	0	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	23401	39286
5	2025-26	0	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	24571	41250
6	2026-27	0	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	25801	43313
7	2027-28	0	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	27090	45478
8	2028-29	0	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	28445	47752
9	2029-30	0	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	29852	50140
10	2030-31	0	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	31360	52647
																						55279

Supers Thirty-Seven Thousand Four Hundred Fifteen(Only)

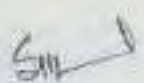
DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION


Water Model-W-II			
Water provision to Plantation			
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-			
Year of Installation (0 th Year)			
1	Cost of Bore well	1,50,000.00	
2	Cost of Diesel pump Set 5 HP	60,000.00	
3	Diesel pump set & accessories like	30,000.00	
4	Water Storage Tanks/ Flexible pipes	15,000.00	
	Total	2,55,000.00	
Cost of Water per Plant (2,55,000/5000) = Rs. 51/-			51,000.00
Cost of Water per Ha = Rs. 51,000/-			
1 st Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5 Month=100 MDx326=	32,600.00	
	Total	53,600.00	
2 nd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
3 rd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
4 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
5 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	100	32,600.00	21,000.00	53,600.00
3	2 nd Year	160	52,160.00	28,650.00	80,810.00
4	3 rd Year	160	52,160.00	28,650.00	80,810.00
5	4 th Year	160	52,160.00	28,650.00	80,810.00
6	5 th Year	160	52,160.00	28,650.00	80,810.00
Total		740	2,41,240.00	1,86,600.00	4,27,840.00

Abstract for 3.18 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0.0	0.00	1,62,180.00	1,62,180.00
2	1 st Year	318.0	103668.00	66,780.00	1,70,448.00
3	2 nd Year	508.8	165868.80	91,107.00	2,56,975.80
4	3 rd Year	508.8	165868.80	91,107.00	2,56,975.80
5	4 th Year	508.8	165868.80	91,107.00	2,56,975.80
6	5 th Year	508.8	165868.80	91,107.00	2,56,975.80
Total		2353.2	767143.20	3,93,388.00	13,60,531.20
Or					13,60,531.00
(Rupees Thirteen Lakh Sixty Thousand Five Hundred Thirty-One)Only					


Suben Kanga Officer
Kalianda Range


Asst. Conservator of Forests
Cuttack Forest Division


Divisional Forest Officer
Cuttack Forest Division

Matrix for Watering Well (Dr of Pump set with Borewell) over 1 Ha.

Sl. No.	Commission Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (in Yrs)
Base Rate	2000	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	427000
1	2001-02	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	491283
2	2002-03	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	518946
3	2003-04	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	546609
4	2004-05	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	574272
5	2005-06	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	601935
6	2006-07	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	629598
7	2007-08	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	657261
8	2008-09	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	684924
9	2009-10	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	712587
10	2010-11	51000	57600	60100	60100	62440	64810	67180	69550	71920	74290	76660	79030	81400	83770	86140	88510	90880	93250	95620	97990	100360	740250

(Rupees Five Lakh Fifteen Thousand Eight Hundred Forty-Six) Only

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION



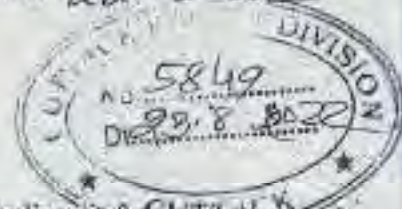
OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res).

Email Id: rcfanganul@gmail.com

Memo No. 3481/SF.FC-18/2022. Dated. 22.8.22

To

The Divisional Forest Officer,
Cuttack Forest Division.



Sub:- Proposal for diversion of 66.20 ha of forest land (including ~~safe zone~~ area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division.

Ref:- Your Memo No. 5411 dated 17.08.2022 and No.5583 dated 22.8.2022

As per condition No. A (ix) of the stage-I approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Jindal Chromite Mines of Jindal Stainless Ltd. submitted vide your memo under reference is approved by the undersigned for Rs.29,15,055/- at the wage of Rs.326/- per man-day.

A copy of approved scheme is sent herewith for information and needful action. Further, you are requested to submit point-wise compliance on the stipulated conditions imposed in stage-I approval order along with CAMPA Format to this office immediately for onward transmission to the Principal CGF, Odisha.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3482/dated. 22.8.22

Copy along with a copy of the above approved scheme forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.5411 dated 17.8.2022. of the DFO, Cuttack Division.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3483/dated. 22.8.22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

Received
enclosure
23-8-22

Regional Chief Conservator of Forests
Angul

OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION

AT: - GHATAKULA, NUAPADA, CUTTACK 753010

Tel:- 0671-2340443 FAX:- 0671-2347611 Email:- dfn.cuttack@odisha.gov.in

Memo No. 5682 /SF (Forest Diversion) 61 /2018Dated, Cuttack the 25th August, 2022

To -

The Authorized Signatory,
M/s Jindal Stainless Ltd.,
At/Po- Kaliapani, Dist- Jaipur,
Odisha, Pin-755047.

Subj:-

Proposal for diversion of 66.20 ha forest land (including safety zone area 1.899ha.) Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite Mines of M/S Jindal Stainless Limited in village Kaliapani, under Sukinda Tahasil of Jaipur District under Cuttack Forest Division.

Ref:-

Memo No.3483 dt.22.08.2022 of the Regional Chief Conservator of Forests, Angul Circle, Angul to your address.

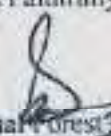
Sir

In inviting a reference to the memo cited above on the captioned subject, it is to inform you that, as per the condition No. A (ix) of stage-1 approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Jindal Chromite Mines of Jindal Stainless Ltd. has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 29, 15,055.00/- at the wage rate @326/- per Manday with 10 years maintenance.

In view of above, it is requested to make arrangement to deposit the amount Rs. 29,15,055.00 (Rupees Twenty-Nine Lakh Fifteen Thousand Fifty-Five) only with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e- payment module & submit the receipt of the deposition to this office for ready reference.

Further, you are once again requested to submit point wise compliance imposed in stage-1 approval order by Ministry of Environment, Forest & Climate Change, Govt. of India.

Yours Faithfully


Divisional Forest Officer
Cuttack Forest Division

25/8/2022

Copy for kind information to:

(i) The Chief Conservator of Forests (Nodal), O/o the PCCF & HoFE, Odisha, Bhubaneswar.

(ii) The Regional Chief Conservator of Forests, Angul Circle, Angul.

AGENCY COPY

यूनियन बैंक ऑफ इंडिया  **Union Bank of India**

NEFT / RTGS CHALLAN for CAMPA Funds

Date: 30-08-2022

Agency Name:	JINDAL STAINLESS LIMITED
Application No.	5820736763
MoEF/SG File No.	B-68/2000-FC PT.
Location:	ORRISA
Address:	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount (in Rs)	11273707/-


Amount in Words (One Crore Twelve Lakh Seventy-Three Thousand Seven Hundred and Seven Rupees Only)

NEFT/RTGS to be made as per following details:

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0886335
Pay to Account No.	150825920736763 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**

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* 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

UTR No - CNRBR 500209020908H231
Date -> 08/09/2022



SCHEME FOR
DE-SILTING OF VILLAGE TANKS AND OTHER WATER BODIES
LOCATED WITHIN 05 KM FROM THE MINE LEASE BOUNDARY
OF
JINDAL CHROMITE MINING LEASE
OF
M/s JINDAL STAINLESS LTD.
UNDER
CUTTACK FOREST DIVISION

(Compliance to the condition No. A (x) of the Stage-I Forest Clearance granted vide MoEF&CC, Govt. of India vide F.No. 8-68/2000-FC (pt), Dated 29.03.2022)

1. INTRODUCTION

Stage-I F.C. approval for diversion of balance forest land 66.20 ha. for non-forest purpose in lieu of Jindal Chromite mines of Jindal Stainless Ltd. has been accorded vide F.No.8-22/2016-FC DL 14/9.2017 of Ministry of Environment, Forests & Climate Change subject to fulfilment of certain conditions.

As per condition No. A (x) of the Stage-I F.C. approval, "The User Agency shall prepare a list of existing village tanks and other water bodies with GPS co-ordinates located within five km. from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage II approval"

In compliance with this condition, a comprehensive scheme is prepared for implementation of the same within 5 km from boundary of the said mining lease:

The ML area located having Latitudes: 21°01'50.68" (ML Boundary Pillar No. 1B) -21°02'03.5" (ML Boundary Pillar No. 11) North and Longitudes: 85°45'39.48" (ML Boundary Pillar No. 1B)-85°45'30.76" (ML Boundary Pillar No.11) East in the Survey of India Topo Sheet bearing No.F45N16 The area exhibits an undulated topography with varying elevations from ± 121 meters to ± 305 meters above Mean Sea Level (AMSL). The ML area bears a common boundary with East- Kalkipani Chromite Mine (Balisore Alloys Limited) West, Sukinda Chromite Mines of TSMIL, and Mahagiri Hill Ranges towards south of the ML area.

Many ecosystems are linked by water and ponds have been found to hold a greater biodiversity of species than larger freshwater lakes or river systems. As such, ponds are habitats for many varieties of organisms including plants, amphibians, fish, reptiles, waterfowl, insects and even some mammals. Ponds are used for breeding grounds for these species but also act as shelter and even drinking/feeding locations for other wildlife.

Water bodies within 5 km from ML area has been contributing to community in many ways such as availability of water for drinking and other purposes for animals, birds, provides water for agricultural purposes & other use of local peoples, enrich the water table of the area, controls the distillation. In due course of time the new layers of silts are accumulated in the water body which reduces the depth of waterbody, hence the storage capacity as well as the quality of water deteriorates. De-silting along with renovation and maintenance of banks of water bodies renews the life, storage capacity & quality of water.

2. FACTORS RESPONSIBLE FOR SILTATION

Siltation is an inherent problem with ponds, lakes and almost all types of water reservoirs world over. Siltation occurs due to deposition or settling of soil eroded from the shore line decaying fallen leaves, grass and other vegetative materials and decomposed organic materials settled on pond bottoms. Soil erosion may also attribute as the primary factor responsible for pond siltation. Higher gradient and excess rainfall are the most common reasons of soil erosion. Erosion of Soil occurs from the waste dumps, excavated areas and naturally denuded ground surfaces. However, looking into the current problems of siltation of the village ponds, the major factors are the surface runoff containing silt particles entering into the pond. As the age of the ponds increases, new layers of silt accumulate on the older ones and the silt layers become thicker. Finally, the depth of the pond decreases and it loses its water storage capacity. The de-siltation improves its life, storage capacity, quality of water etc. of the water body. The best practice against siltation is to de-silting pond bottom at regular intervals as well as taking adequate preventive measures.

3. LOCATIONAL DETAILS

The following tanks/water bodies fall within 5 Km from boundary of the mining lease area which need de-silting:

No.	Village	Length in mtr	Width in mtr	Area in sq. m.	Volume in cub-mtr taking the height as 1 mtr and area as 70% of Total area	Expenditure		
						Earth work @ Rs 125.00 per cum in Rs.	Inlet & outlet pipes in Rs.	Grand Total Rs.
1	Kaliapani	60	50	3000	2100	2,62,500	6000	2,68,500
2	Banagadia	60	40	2400	1680	2,10,000	5000	2,15,000
3	Chingudipal	65	55	3575	2502	3,12,750	6000	3,18,750
4	Mahulkhal	55	40	2200	1540	1,92,500	6000	1,98,500
5	Kusumundia	100	85	8500	5950	7,43,750	6000	7,49,750
6	Kaladia	140	110	15400	10780	13,47,500	6000	13,53,500
Total Rs.								31,05,000
Escalation 20%								6,21,000
Grand Total								37,26,000

(Rupees Thirty seven Lakh Twenty Six Thousand only)

4. The Map showing the location of ponds as mentioned above is enclosed as Plate-I

5. The Co-ordinates of the location of each pond are given as under:-

SL.NO	VILLAGE	LATTITUDE	LONGITUDE
1	KALIAPANI	21°02'39.5"	85°46'18.2"
		21°02'38.1"	85°46'17.4"
		21°02'37.8"	85°46'19.9"
		21°02'37.03"	85°46'18.6"
2	BENAGADIA	21°02'17.9"	85°44.5'10.8"
		21°02'19.5"	85°44.5'12.2"
		21°02'18.2"	85°44.5'13.2"
		21°02'16.9"	85°44.5'11.7"
3	CHINGUDIPAL	21°02'39.5"	85°45'09.3"
		21°02'38.1"	85°45'08.4"
		21°02'36.9"	85°45'10.2"
		21°02'38.5"	85°45'11.1"
4	Mahulkhala	20°59'49.3"	85°44'09.5"
		20°59'49.5"	85°44'11.2"
		20°59'47.7"	85°44'10.0"
		20°59'47.9"	85°44'11.6"
5	Kusumundia	20°59'36.4"	85°46'30.4"

6	Kakudia	20°59'34.3"	85°46'31.7"
		20°59'35.0"	85°46'33.7"
		20°59'37.8"	85°46'32.1"
		21°00'36.0"	85°46'55.1"
6	Kakudia	21°00'35.3"	85°46'59.5"
		21°00'38.5"	85°46'59.9"
		21°00'39.0"	85°46'55.2"

4. TOPOGRAPHY:

The ponds are mostly on plain terrain. They are situated close to habitation.

5. SOIL TYPE

The soil is hard and lateritic. The pond silt is basically mixed of clay, silt and sand. Since the silts are soft can be removed easily. Generally the thickness of layers of siltation varies from 30cm to 200 cm which is on an average about 115cm (or say 1-meter silt) and which is proposed to be removed.

6. METHODOLOGY FOR DE-SILTATION

Keeping in view the site conditions it is proposed to take up de-siltation on a cycle of five-year basis (i.e. each pond shall be de-silted twice within the planned period over 10 year) particularly during summer months when the pond / water bodies are dried up with exposed silts. Removal of silts is to be done either manually or mechanically basing on ground condition as well as quantity of accumulated silts. Silt accumulation occurs in the bottom/basal area of the pond which is roughly estimated to be 30% less of the aerial area. The estimated quantum of silt that is required to be removed is given in the table below.

During excavation, the excavated silt are to be put on the embankment of the pond with top height at least of 1 meter and base width 2.5 meter basing on availability of land on periphery. The soil on embankment to be compacted and two inlet and two outlet pipes are to be fixed in the embankment (6" diameter PVC pipe or Cement Pipe).

7. COST ESTIMATE:

As per the scheduled rate for earth work "Earth work in excavation by mechanical means (hydraulic excavation means over areas exceeding 300m depth 1.5m in width as well as 10 sqm. On plan including disposal of excavated earth) lead up to 50 m and lift up to 1.5m disposal earth to be leveled, dressed etc. to complete @ Rs 123.42/ cum. Basing on volume of earth work as indicated above Table No 3, the cost is estimated/calculated. (In addition, cost of inlet / outlet pipes, at each pond an additional cost of Rs 6000/- per tank) to be added. Thus, The total amount about to be Rs 37, 26,000/- (Rupees Thirty seven, Lakh Twenty Six Thousand) only.

8. EXECUTING AGENCY

The work as per the scheme will be executed by M/s Jindal Stainless Limited

9. INSPECTION AND MONITORING.

The execution & its monitoring shall be carried out by M/s Jindal Stainless Ltd. The Execution and achievements may be reviewed by the Divisional Forest Officer, Cuttack Division from time to time, in case of some dispute, if the earmarked pond could not be de-silted in the planned year, it may be executed in the subsequent year.

Approved & Rs. 37,26,000/-

Divisional Forest Officer
Cuttack Forest Division

Regional Chief Conservator
of Forests, Angul Circle.



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,
AT/PO- BAKINPADA, ANGUL- 759143, ODISHA, Phone- 06764 296010 (O), 226011 (Res).

Email Id: rcs.angul@gmail.com

Memo No. 5312 / SF.FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Subj: Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(i) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kalinpani under Suklida Tehasil of Jhpur District under Cuttack Forest Division. Approval of schemes.

Ref: Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3	B(xiv) (a)	Mitigative measures to minimize soil erosion and choking of streams.	6,40,000/-
4	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5	B(xiv) (c)	Construction of Check Dams, retention / toe walks to arrest sliding down of the excavated material along the contour.	16,03,505/-
6	B (xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28° .	1,26,67,330/-
7	B(xiv) (e)	Management of Top soil.	3,54,420/-
8	B(xv) (a)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.


Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 dated 06-8-22

Copy along with copy of the above mentioned scheme each in one set forwarded to the Chief Conservator of Forests (Forest Division) and Nodal Officer, (FC Act), Office of the Principal Chief Conservator of Forests & Range, Odisha for favour of information and necessary action with reference to Memo No. 4277 dated 01.07.2022, of the DFO, Cuttack Division.

Encl: As above.


Regional Chief Conservator of Forests
(Angul)

Memo No. 3312 dated 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s. Jindal Stainless limited, Kallipani, Jaipur for information and necessary action.


Regional Chief Conservator of Forests
(Angul)

CONDITION NO:-A (x)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Jindal Stainless Limited shall regularly carryout desilting of these village tanks and other water bodies as per approved Scheme, so as to mitigate the impact of siltation of such tanks/water bodies. The approved plan for de-silting of identified ponds and water bodies is submitted to MoEF & CC.

For Jindal Stainless Limited
Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

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**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kallipant - 755 047, Dist. : Jagpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaaji Cama Place, New Delhi - 110 065, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO.:- A(xi)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited, do hereby undertake that the cost of felling of trees will be deposited by Jindal Stainless Limited, with the State Forest Department.

For Jindal Stainless Limited
Jindal Stainless Limited

(Signature)
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

(Signature)
Divisional Forest Officer
Cuttack Forest Division

127

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kallapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com


FORM-II
(for projects other than linear projects)
 Government of Odisha
 Office of the District Collector, Jajpur

No. 947Date 3.5.16**TO WHOMSOEVER IT MAY CONCERN**

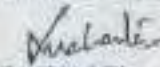
In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC (pt.I) dated 3rd August 2009 wherein the MoEF issued guidelines on submission of evidence for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition Forest Rights) Act, 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 64,301 hectares of forest land proposed to be diverted in favour of M/s. Jindal Stainless Ltd. for Jindal Chromite Mines in Jajpur district falls within jurisdiction of Kallapani village in Sukinda taluk.

It is further certified that:

- (a) the complete process for identification and settlement of rights under the FRA has been carried out for the entire 64,301 hectares of forest land proposed for diversion. A copy of records of all consultation and meetings of Forest Rights Committee, Gram Sabha (s), Sub-Division Level Committee and the District Level Committee are enclosed as Annexure-A to Annexure-C.
- (b) the proposal for such diversion (with full details of the project and its implementations, in vernacular/local language) have been placed before each concerned Gram Sabha of forest-dwellers, who are eligible under FRA.
- (c) the each of concerned Gram Sabhas, 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 results of proposed diversion. A copy of the


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certificate issued by the Gram Sabha of Kaliapani village is enclosed (as mentioned above)

(d) the discussion and decision on such proposals had taken place only when there was a quorum of minimum 50% of the members of the Gram Sabha present;

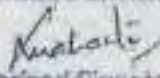
(e) the diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it;

(f) 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.

For: As above


(Satya Kumar Mallick)
Collector & District Magistrate,
Jaipur


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M/s. Jindal Stainless Ltd.

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**PROCEEDING OF THE MEETING OF THE SUB-DIVISIONAL LEVEL COMMITTEE ON
DIVISION OF FOREST LAND FOR NON-FOREST PURPOSE UNDER S.T & OTHER
TRADITIONAL FOREST DWELLERS (RECOGNITION OF FOREST RIGHTS) ACT, 2006
HOLD ON 18.04.2016 IN THE OFFICE CHAMBER OF SUB-COLLECTOR, JAIPUR**

The Sub-Divisional Level Committee meeting on Division of Forest Land for use of Non-Forest Land under Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 of Jaipur was convened on 18.04.2016 at 4.00PM under Chairmanship of Sub-Collector, Jaipur.

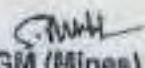
The following members of the committee were present.

1. Sri Ajay Kumar Sahoo, OPS, ACP, Cuttack
2. Sri Kamadeba Dehuri, P.S Member of Sukinda P.S
3. Sri Panda Tiya, P.S Member of Badachana P.S
4. Smt. Sati Deburi, P.S. Member of Dharmasala P.S
5. Sri Dehadutta Mahanta, OAS (I), BDO, Sukinda
6. Sri Nibhaushma Jena, OAS (I), Tahsildar, Sukinda
7. Sri Padan Charan Jena, ADWO, Jaipur
8. Sri Surendra Ku. Sahoo, Rep. of M/s. Jindal Stainless Ltd.

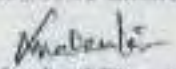
At the outset, the Chairman welcomed all the members present and initiated the discussion and intimated that the Gram Sabha of Kaliapani G.P has recommended the proposal for division of Forest Land amounting 64.301 Hec. for use of non-forest purpose by M/s. Jindal Stainless Ltd. for Jindal Chromite Mines before the SDLC for approval. The detailed village wise position is given below.

Name of the Agency	Name of the GP	Name of the Village	Area applied for
M/s. Jindal Stainless Ltd. (Jindal Chromite Mines)	Kaliapani	Kaliapani	64.301 Hec.

On verification of Gram Sabha proceedings forwarded by Block Development Officer, Sukinda, it is revealed that detail discussion was made in the Gram Sava/Pali Sava regarding Forest Right Act., 2006 and implementation of displacement and its implication and rehabilitation was explained to them in odia vernacular. Further, it is seen the people present in the Gram Sabha had agreed and


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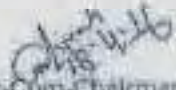
Jindal Stainless Limited


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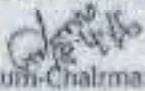
have given their written consent with recommendation for diversion of forest land of above extent for non-forest use by the M/s. Jindal Stainless Ltd. The above areas have been verified by the Revenue Inspector, Kankadapal for determining the possession of actual extent of Forest land by the individuals and communities for giving safeguard and recognition of Forest Rights Act- 2006. Moreover, it was found that the individual and community are in possession of the above scheduled land. The same has been confirmed by the Revenue Inspector, Kankadapal through Tahasildar, Sukinda.

Hence the committee unanimously decided to send the diversion proposal of above said land for use of non forest purpose by M/s. Jindal Stainless Ltd. for the above mines to District Level Committee.

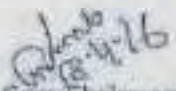
The Meeting ended with vote of thanks to the Chair.


Sub-Collector-Cum-Chairman, SDLC
Jajpur

Memo No. 774 / Date, 21.04.16
Copy forwarded to all members for information and necessary action.

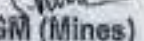

Sub-Collector-Cum-Chairman, SDLC
Jajpur

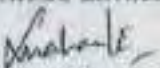
Memo No. 775 / Date, 21.04.16
Copy to Tahasildar, Sukinda/BDO, Sukinda for information and necessary action.


Sub-Collector-Cum-Chairman, SDLC
Jajpur

Memo No. 776 / Date, 21.04.16
Copy submitted to the Collector, Jajpur for favour of kind information.


Sub-Collector-Cum-Chairman, SDLC
Jajpur


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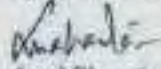
PROCEEDING OF THE DISTRICT LEVEL COMMITTEE MEETING HELD
ON 29.04.2016 at 4.30 PM IN THE RESIDENTIAL OFFICE CHAMBER
OF COLLECTOR, JAIPUR

The District Level Committee meeting on diversion of Forest Land for use of non-forest purpose by M/s. Jindal Stainless Ltd. under ST and Other Traditional Forest Dwellers (Recognition) Act, 2006 was convened on 29.04.2016 at 4.30 PM under the Chairmanship of Collector. The following members of the committee were present.

1. Sri Satish Chandra Behera, CFS-1, D.F.O., Cuttack
2. Sri Ananta Kumar Panigrahi, OAS (S), Sub-Collector, Jaipur
3. Sri Nalinakshna Jena, OAS (H), Tahasildar, Sukinda
4. Smt. Tarunmati Mahli, Z.P. Member, Zone No. 39
5. Smt. Sunita Behera, Z.P. Member, Zone No. 12
6. Sri Suresh Kumar Pati, WEO, Sukinda, Rep. of BDO, Sukinda
7. Mr. Chandra Sekhy, OWS, District Welfare Officer, Jaipur
8. Sri P. L. Charan Jha, ADWO, Jaipur

In the outset, the Chairman welcomed all the members present and invited the DWO to present the status of the diversion proposal. The DWO informed the Committee members that a Pali Sabha was convened in Kaliapani village under Kaliapani GP on 03.02.2016 for diversion of Forest Land for use of non-forest purpose in connection with Jindal Chromite Mines of M/s. Jindal Stainless Ltd., Kaliapani on considering the guidelines of Forest Rights Act, 2006. The Pali Sabha of Kaliapani Village of Kaliapani GP has conclusively decided and recommended the proposal for diversion of forest land measuring 64,301 ha. for use of non-forest purpose by M/s. Jindal Stainless Ltd. Jindal Chromite Mines. As per the report of R.L., Kankadepol GP, the user agency has applied for diversion of 64,301 ha. of forest land under the Jindal Chromite Mines for use of non-forest purpose (Mining purpose). The land selection report, title and title records of the proposed area were placed for scrutiny and discussion in the Pali Sabha Dt. 03.02.2016 convened at Kaliapani. DWO apprised the committee that as per the Pali Sabha proceedings, total proposed area of the User Agency is 64,760 ha., out of


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which area of 0.459 ha (Ac. 1.13) is forest land as per hal RoR and the rest of the area (64.301) is forest land.

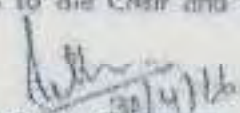
The Panch Sabha members present during the meeting have agreed and given their written consent with recommendation for diversion of forest land of 0.459 ha. for non-forest use by M/s. Jindal Stainless Ltd. The Gram Sabha has also clarified that no individual and community belonging to the Scheduled Caste Category or any Primitive Vulnerable Tribal Groups are residing occupationally dependent on the proposed diversion area. The same has been confirmed by the report of R.L. Kankadapal GP.

After detail discussion on the matter, the Chairman of the Committee (D.F.O., Cuttack) suggested the representative of the user agency who was present in the meeting to hold a separate Panch Sabha for diversion of the forest land measuring 0.459 ha. (Ac. 1.13) of forest land as per hal RoR. The D.F.O. opined that since, the proposed diversion area along with the left over land is exclusively being used by the project proponent, it should be diverted as per the guidelines of FRA, 2006 by convening a separate Panch Sabha.


The Chairman of the committee also instructed the user agency to find and demarcate category of forest land, against the proposed diversion area. He urged the user agency to take urgent initiatives for the same.

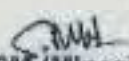
Finally, the committee unanimously decided to approve the diversion of 64.301 ha. for use of non-forest purpose by M/s. Jindal Stainless Limited Chromite Mines as per the provisions of FRA, 2006.

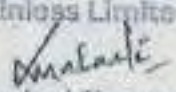
The meeting ended with vote of thanks to the Chair and the members.


Collector-cum-Chairman,
Jajpur

Memo No. /Date: 21/5/16
Forwarded to all members for information and necessary action.


Collector-cum-Chairman,
Jajpur


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M/s. Jindal Stainless Ltd.

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Memo No.
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15/4/16
To P.D., IRDA, Jaipur/ Sub-Collector, Jaipur Block
Sukinda Talashila, Sukinda for information and

Collector-cum-Chairman,
Jaipur

Memo No.
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ST & SC
necessary

15/4/16
To the Director (ST)-cum-Additional Secretary to Govt.,
Department, Odisha, Bhubaneswar for information and

Collector-cum-Chairman,
Jaipur

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Jindal Chromite Mines
M/s. Jindal Stainless Ltd.

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PANCHAYAT OFFICE, KALIAPANI

LETTER NO-103

DATED: 06.02.2016

To
The District Welfare Officer
Sukinda, Panchayat samiti,
Sukinda

Subject: Gram Sabha/ Palli Sabha Under the forest rights act 2006 on the use of Forest land in Jindal Chromite Mines.

Sir,

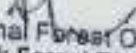
On the direction of District welfare officer and Additional District Welfare Officer, Sukinda general proclamation notice issued by office of the Kaliapani Grampanchayat for conducting Gramsabha/Pallisabha vide notice no.95 dated 18.01.2016 with reference to diversion of forest land of Jindal Chromite Mines, Kaliapani and the same is informed to general public of kaliapani by drumming for two days. Gramsabha/Pallisabha was held & concluded peacefully at kaliapani Shub Temple on 03.02.2016 at about 10.am as per due procedure. All facts in relation to Gramsabha/Pallisabha are mentioned for your information.

All the following details about the Palli sabha/Gramsabha are provided to you.

1. Details of the Palli sabha/Gramsabha
2. Signatures of all the villagers who participated in the Palli sabha/Gramsabha (1927)
3. Videography of the Palli sabha / Gram sabha
4. Still images /photographs of Palli sbha / Gram sabha(37)
5. Receipt of the person who have done the awareness by beating Drum.

Sarpanch,

Kaliapani, Gramapanchayat


Divisional Forest Officer
Cuttack Forest Division

Jindal Singh

Authorized Signatory

The detail report of Gramsabha/Pallisabha Conducted under Forest Right Act 2006

Name of the Village: Kaliapani
Gram Panchayat : Kaliapani
Venue - The Premises of Shiva Temple , Kaliapani
Date - 03.02.2016
Time - 10.00 A.M

On dated 03.02.2016 (Wednesday) at 10.00 A.M, as per the letter No. 1187 dated 5.11.2015 of District Welfare Officer , Jajpur, and letter no. 2896 dated 31.12.2015 issued by the District welfare development Officer Sukinda, as per the pre-arranged schedule, in accordance with section 2 (G) of the Forest Rights Act, 2006, in the premises of Shiv Temple , Kaliapani Revenue Mouza, in presence of the members of all the wards of Kaliapani all members of Self Help Group, all staffs and officials of Forest office and all major/adult villagers of Kaliapani Village meeting was conducted.

In addition to this the following government officials , Elected representative of the gram panchayat and officials of Jindal Chromite Mine (Jindal Stainless Limited) were also present,

1. Sarpanch , Kaliapani Gram Panchayat
2. Samiti Member , Kaliapani Panchayat
3. Executive officer , Kaliapani Gram Panchayat
4. Revenue Inspector , Kankadapal Gram Panchayat - circle
5. Forester , Rasol section
6. Welfare Extension Officer , Sukinda Block
7. Senior Vice President and other managers /officers of Jindal Chromite Mine (Jindal Stainless Limited).

First of all, Mrs. Zinita Munda , Sarpanch Kaliapani was selected as president of the meeting.

As per rule and corium, president of meeting directed to start the meeting.

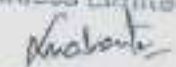
The following proposals were presented to the Pallisabha/Gamsabha for discussion,

Proposal:

In the meeting, concern officials discussed and elaborated about all the rules and regulation of Forest right act 2006 and, forest diversion, its applicability of sabli kham forest land as the land over 64.301 ha. of area is comes under sabli kham forest from the lease area of Jindal Chromite Mines , Jindal Stainless Limited located at Kaliapani Gram-Panchayat.

About the purpose of the meeting was explained in detail to all the villagers present at the meeting. As per the Forest Right Act the rights of the local schedule tribe and other traditional forest dwellers on heretofore land the detail information had presented at the meeting before the villagers. The concern forest official

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elaborate in details about the rights of the schedule tribes on the forest land as individual and communal and Forest Conservation Act.

Then the revenue Inspector, Kankadapala, presented in the meeting on detail data of field investigation under the forest rights Act 2006 its Hal and Sabik and land schedule. In addition to this, the villagers were provided with information about the location of the land through the map of the proposed area.

From the report it is clarified that out of the proposed area applied for Jindal Chromite Mines (Jindal Stainless Limited) as per the forest conservation act 1980 i.e. before and after 25.10.1980 160.02 acre / 64.76 ha - 1.13acre / 0.459 ha. is road Kisam (Non-Forest) and another 158.89acre / 64.301 Ha. is forest land.

The applied land of Jindal Chromite Mine (Jindal stainless Limited) is 160.02 acre or 64.760 hectares. For Jindal Stainless Limited Jindal Chromite Mines no individual or community or possession of Schedule tribe category or any traditional forest dwellers or Tribal groups are residing or in possession of the same forest land, in addition to this , none of the tribal or other traditional forest dwellers depend upon the proposed diversion area for their livelihood. Along with this it is revealed that mining activity is carried out on the proposed land by Jindal Stainless Limited.


The villagers expressed that there are no claims of possession in the proposed area by local schedule tribes or any traditional forest dwellers either by individual or in group.

As well as it is expressed that over the proposed area 160.02acre no schedule tribe or other traditional forest dwellers depend on the land for their livelihood. The villagers clarified that they have not any forest right over the proposed forest. So the villagers expressed that they have not any objection, if the proposed land will be diverted for mining activity purpose

All members present at the meeting are agreed and support the proposal to expedite the mining activity work.

Therefore, the proposal for diversion of 64.301 hector of forest land with respect to Jindal Chromite Mine (Jindal Stainless Limited) of Kaliapani village and Kaliapani Panchayat was unanimously accepted. It is requested to concern officials present at the meeting to implement the proposal

At the end of the meeting the President giving vote of thanks to all the Villagers, forest committee staffs and staffs of the forest conversion committee, Government officials, staff and officials of the Jindal Chromite Mines (Jindal Stainless Limited).


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited


Authorised Signatory

प्रश्न १ :-

Timb Mank
Asperity
KALIBAN G.P.

Jindal Stainless Limited

ACM (Miles)

Jindal Chromite Mines
M/s. Jindal Stainless Ltd.

Authorised Signatory

ଉପରୋକ୍ତ ସ୍ୱତନ୍ତ୍ର ସିଂହାସନ, କାର୍ଯ୍ୟକାରୀତା ଦ୍ୱାରା ପ୍ରସ୍ତୁତ
 ଜମିକୁ ଉପରୋକ୍ତ ଆୟକାର୍ଯ୍ୟ ଆଦାନ ୨୦୦୦ ଖଜୁରାପୁର
 କରାଣାହୁଏବା ସର୍ବଜନ ଉପରୁ ନିର୍ଦ୍ଦେଶ ୨୫ ବାବଦ
 ହାତ୍ତ ସାବକ ୩୫ ହାତ୍ତ ସିଂହାସନ ଉପରୁ ନିର୍ଦ୍ଦେଶ
 ଉପରୋକ୍ତ କରାଣାହୁଏବା । ଯେ ସର୍ବଜନ ଉପରୁ ଜମିକୁ ନାମ
 ନିର୍ଦ୍ଦେଶ ଉପରୁ ଆବଦ୍ଧି ସର୍ବଜନ ଉପରୁ ଗ୍ରାମବାସୀମାନଙ୍କ
 ସର୍ବଜନ ଉପରୋକ୍ତ କରାଣାହୁଏବା ।

ଉପରୋକ୍ତ ସିଂହାସନ ଉପରୋକ୍ତ କରାଣାହୁଏବା ।
ଯାହା (ନିର୍ଦ୍ଦେଶ ଉପରୁ ନିର୍ଦ୍ଦେଶ) ନିର୍ଦ୍ଦେଶ ଆବଦ୍ଧି କରାଣାହୁଏବା ।
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 ଏ ୨୫୦-୦୨୫. ଉପରୋକ୍ତ ଜମି ନିର୍ଦ୍ଦେଶ ଉପରୋକ୍ତ କରାଣାହୁଏବା
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 କରାଣାହୁଏବା
 ଉପରୋକ୍ତ କରାଣାହୁଏବା

11

ମୁନି କ୍ଷେତ୍ରର ସହାୟକ ହେବାକୁ ଉଦ୍ଦେଶ୍ୟରେ,
କଳାପର କର୍ମକ୍ଷେତ୍ରରେ କର୍ମରେ ସହାୟକ,
ସହାୟକ ଅଧିକାରୀ କିନ୍ତୁ କେନ୍ଦ୍ରୀୟ ସହାୟକ
(କିନ୍ତୁ କେନ୍ଦ୍ରୀୟ ହିସ) ର ସମସ୍ତ କର୍ମକ୍ଷେତ୍ର ନାହିଁ
ଅନ୍ୟତମ କାର୍ଯ୍ୟ କରି ସହାୟକ ମୋଡ କରେ ।

ଅନୁମତି
23.02.2016
ସାମ୍ବି କିନ୍ତୁ ପ୍ରଧାନ
ଅନୁମତି ପ୍ରାପ୍ତ ପ୍ରାପ୍ତ

Jinila Munda
3.2.16
Sampada
KALIAPANI G.P

21/2/16
REVENUE INSPECTOR
KANKADPAL

17/02/16
Forester
Ransol Section

Kalpana Jena
Samiti Member 3.02.2016
Kaliapani G.P.

3.2.2016
Water Extension Officer
BUKINDA BLOCK

Pitambar Das
Ajil ku mharja
Jibang Mohanta

AGM (Jinila)
Jindal Chro
N/a. Jindal

Jindal Stainless Limited
Authorized Signatory

3.05

ଜିନ୍ଦାଲ କ୍ରୋମାଇଟ୍ ମିନ୍ସ (ଇନ୍ଦ୍ର ପ୍ରସାଦ) ଲିମିଟେଡ୍
 ନ୍ୟାସନାଲ କ୍ୟୁସ୍ତା ସମସ୍ତ ଜମି ନ୍ୟାସନାଲ
 ପ୍ରଦାନ କରାଯାଉଅଛି ।

ସମସ୍ତ ଜମି - ୮୮.୦୦ ହେକ୍ଟର ।

ଜିନ୍ଦାଲ ଜମି ସଂରକ୍ଷଣ ସୁବ-୨୨ ହେକ୍ଟରକୁ
 ୦.୫୦ ହେକ୍ଟର ସମ୍ପୂର୍ଣ୍ଣ ମିଳିତ କରାଯାଉଅଛି ।

୨୪. ୨୪ ହେକ୍ଟର ସମ୍ପୂର୍ଣ୍ଣ ୨୨.୮୦ ହେକ୍ଟର

ଜାଗରାଜନ ପ୍ରକାଶନ ମିଳିତ ହୋଇଅଛି ।

ନଂ - ୮-୮ (୨୦୦୦-୮୮) ୨୪୨୩ (୧) ଶା.ଉ-୨-୨୦୦୦
 ହା.୨୬ ହେକ୍ଟର ଜମିର ଶା.ଉ-୨-୨୦୦୦
 ହେକ୍ଟର ।

ଆବିଜ୍ଞାନିକ ମୁକାବଳ ୧୮୮୦ ମୁକ୍ତି ୨୪.୨୬ ହେକ୍ଟର

ଜିନ୍ଦାଲ ଜମି ମିଳିତ ହେକ୍ଟର ହୋଇଅଛି

୦.୪୫୮ ହେକ୍ଟର ସମ୍ପୂର୍ଣ୍ଣ ସମ୍ପତ୍ତି

ଆବିଜ୍ଞାନିକ ମିଳିତ । ୦.୫୦ ସମ୍ପତ୍ତି

୨୪. ୨୦୦ ହେକ୍ଟର ସମ୍ପତ୍ତି ମିଳିତ ପ୍ରାୟ

୦.୫୦ ହେକ୍ଟର । ୦.୫୦ ୨୦୦ ହେକ୍ଟର ଜମି

ମିଳିତ ୦.୫୦ ୨୦୦ ହେକ୍ଟର ସମ୍ପତ୍ତି

ଆବିଜ୍ଞାନିକ ମିଳିତ ।

AGM (Mines)
 Jindal Chromite Mines
 M/s. Jindal Stainless Ltd.

Jindal Stainless Limited
 Authorized Signatory

Proceeding of the District Level Committee Meeting on approval of Individual Forest Right Claims under ST & OTFD (Reorganization of Forest Right) Act, 2006 / Hearing of Suo-Motu appeal case of rejected claims as per order of Hon,ble Supreme Court of India vide WP (C) No.109/2008 and approval of Forest Diversion Proposal held on 09.06.2022 at 10.00AM through zoom app by Collector, Jajpur

As per kind order of Collector, Jajpur, the District Level Committee Meeting was convened on 09.06.2022 at 10.00AM through zoom app for conferment of Forest Right to the ST and Other Traditional Forest Dwellers under (Recognition of Forest Right) Act, 2006/ Hearing of Suo-Motu appeal case of rejected claims as per order of Hon,ble Supreme Court of India vide WP (C) No.109/2008 and diversion of forest land for non-forest purpose. By order of the Collector-Cum-Chairman, Jajpur, the Addl. District Magistrate (Rev) has presided over the Meeting on virtual mode, wherein the following members of the committee attended the meeting through zoom app.

1. Shri Akshay Kumar Mallik, Addl. District Magistrate (Rev.), Jajpur
2. Dr. Sanjaya Kumar Swain, DFO, Cuttack
3. Dr. Sarat Chandra Mohapatra, OAS (S), Sub-Collector, Jajpur
4. Smt. Zema Chakhi, Z.P. Member, Zone No. 37
5. Smt. Tina Haibru, Z.P. Member, Zone No. 9
6. Shri. Sadhu Charan Tiya, Z.P. Member, Zone No. 38
7. Sri Maniprasad Mishra, OAS, BDO, Danagadi
8. Sri Tapas kumar Sethy, OAS, BDO, Sukinda
9. Miss . Namrata Modi, OAS, Tahasildar, Danagadi
10. Shri Pradeep Kumar Sethy, OAS, Tahasildar, Darpan
11. Shri Budhadev Panda, OWS, District Welfare Officer, Jajpur.
12. Representative of M/S GAIL. India. Ltd.
13. Representative of M/S Jindal Stainless. Ltd

At the outset the Chairman Welcomed all the members present in the meeting and advised District Welfare Officer, Jajpur for narration of the purpose of meeting and initiate the agenda wise discussion. Accordingly following discussion was made during the meeting.

Agenda-I Approval of Individual Claims for issuance of titles.

Initiating the discussion the Collector-cum-Chairman of DLC wanted to know the details on verification report prepared by the team in respect of claims by the Revenue / Forest Officials and WEO. In all, 182 nos of individual claim cases were found eligible covering a total area measuring 6.48 dec of the following villages for homestead purpose only as were recommended by the SDLC. Further the District Welfare Officer intimated before the Committee that these individual claims have also been recommended by Sub-Divisional Level Committee after due verification of the case record prepared by the Tahasildar, Darpan for which meeting was held on 26.05.2022. The village wise IFR RORs to be distributed to the families is as follows for which Tahasildar, Darpan has submitted the case records. The details village wise position is given below.

Name of Tahasil	Name of Village	Name of G.P.	No. of claims	Area covered
Darpan	Sasan	Barchana	60	Ac 2.40
	Purusottampur			
	Baragada	Paria	11	Ac 0.44
	Paria	Paria	51	Ac 2.04
	Samia	Kolha	40	Ac 1.60
TOTAL			162	Ac 6.48

The Committee unanimously approved the recommendation of SDLC for vesting of individual Forest Rights titles with respect of 162nos of Forest Dwellers covering an area 6.48 dec and instructed the DWO, Jajpur to prepare the patta and get it approved by the Collector & DFO and hand over the titles to Tahasildar, Darpan for distribution to the beneficiaries concerned and case records also be returned to the Tahasildar concerned.

Agenda -II

Decision taken in Suo-Moto appeal case of rejected claims as per order of Hon'ble Supreme Court of India vide WP (C) No.109/2008.

DWO narrated the finding to all the members those who attended in the virtual meeting about the reason of rejection/allowed of ST cases at SDLC level Meeting held on 26.05.22 after receipt of field inquiry report from Tahasildars concerned for which SDLC made hearing on different dates in Block/Tahasil wise as follows..

S/ No.	Name of Tahasil	No. of Field Inquiry Report receipt from ST Claims	Hearing of SDLC Date	No. of claims found for rejection after Field Inquiry	Reason of Rejection	Remarks
1	Danagadi	165	23.10.19 & 15.04.21	164 nos	1. Already availed IFR Title previously-140nos 2. Residing over other than forest land-14 nos 3.No Such Person- 06 nos 4. Not belongs to Danagadi Tahasil Area- 03nos 5. Non ST-01 no.	01 no of ST claimants found to be eligible to get IFR title. This case is under process.
2	Sukinda	84	16.10.2019	49 nos	1. Non-ST-05 nos 2. Staying over Private Plot-12 nos 3.No Such Person- 09 nos 4. Kism Basti Jogya- 07nos 5. Kism Gochar-03 nos 6. Kism Palita-10 nos 7. Kism UJJ.-3 nos	35 nos of ST Claims found to be eligible to get IFR title. These cases are under process

As per recommendation of SDLC, The Collector as the chairman of DLC has given ample scope to all the members & requested to put forth their personal opinion on rejection of ST Claims done by the SDLC as per field inquiry report of Tahasildar concerned.

Basing upon the recommendation of SDLC on rejection of 213 nos of ST Claims on different ground, the members of committee in the DLC Meeting unanimously submitted their opinion to the chairman i.e Collector that where claimants are eligible and land is not leaseable under FRA, 2006; in such cases as per views of SDLC, Collector, Jaipur instructed to Tahasildars concerned to settle those claimants under other Govt. Rules like OGLS/OPLA Act.

Further, The Collector instructed Tahasildar concerned to prepare the case record of eligible ST Claims found during inquiry and send it to SDLC & DLC for issuance of title at an earliest.

Agenda -III

Diversion of Forest Land for use of Non-Forest Purpose By M/S Jindal Stainless Ltd.

The DWO appraised before the Committee that, The Grama Sabha of Kaliapani under Sukinda Block/Tahasil has recommended the proposal for diversion of forest land measuring Area 1.899Hect. for use of non forest purpose by M/s Jindal Stainless Ltd. in connection with Jindal Chromite Mines of village -Kaliapani under Sukinda Block / Tahasil, Before SDLC / DLC for approval. The details village wise position is given below.

Name of the Agency	Name of Gp	Name of Village	Area applied for
M/S Jindal Stainless Ltd.	Kaliapani	Kaliapani	1.899 Ha

On verification of Grama Sabha Proceeding found by Block Development Officer, Sukinda. It is revealed that, detail discussion was made in the Grama Sabha regarding Forest Right Act,2006 and its provision and the same was explained to them in their vernacular. Further, It is seen that the people present in the Grama Sabha have agreed and given their written consent with recommendation for diversion of forest land of above extent for non forest use by M/S Jindal Stainless Ltd. The above area has been verified by the R.I Kankadpal for determining the possession of land by any claimant under FRA, 2006. Moreover, it was found that no individual and community are in possession of the above scheduled land. The same has been confirmed by R.I Kankadpal through Tahasildar, Sukinda.

Further, the said proposal was also approved by the SDLC giving proper safe guard to the individual and community claims as per Section 3(1)(i) & 3(1)(e) & 3(2) under FRA, 2006 and also there will be no impact upon any PTG & PAC is groups as reported by R.I. Kankadpal. Hence the SDLC recommend the proposal to DLC for approval.

The detail elaborate discussion was made on the recommendation of the SDLC and the DLC approved the diversion of forest land for use of non forest purpose by M/S Jindal Stainless Ltd.

The committee resolved to submit certificate in favour of M/S Jindal Stainless Ltd. The same may be forwarded to DFO, Cuttack for onward transmission to Government of India for further necessary action.

AGENDA -IV: Diversion of forest land for use of non forest purpose by GAIL India Ltd. for laying under ground natural Gas pipe line under Jajpur District.

Initiating the discussion on Agenda – IV:- The DWO, Jajpur apprised the Committee that one GAIL India, Ltd. has requested for issue of FRA certificate and NOC for 3.7222 Hect. diversion of forest land to lay under ground Naurai Gas Pipe line in Odisha, State, involving the following land in respect of Cuttack forest division under Jajpur District.

District	Name of Tahasil	Forest area in Hect.	Non Forest area in Hect.
Jajpur	Dasarathpur	0.5497	81.9499
	Jajpur	0.1575	80.5699
	Bari	0.0202	8.3713
	Vysanagar	0.0822	21.1583
	Rasulpur	0	14.8059
	Sukinda	0.9182	42.7332
	Danagadi	1.4816	27.57
	Darpan	0.4558	18.4671
	Binjharpur	0.057	18.4235
	Total	3.7222	314.0492

In the request letter the GAIL India Ltd. has Stated that their pipeline project is a liner project and they will lay the pipeline 1.20 mtrs. below ground level.


As per guideline issued vide letter No. 11-9/95-FC (Pl.) dt. 05.02.2013 of Ministry of Environment and Forest Deptt. Panch Sabha & Grama Sabha is not required for project coming under liner project. Hence, on receipt of application, the concerned Tahasildars were requested vide this office letter No. 8145 dt. 28.06.2021 to submit the report regarding whether any other eligible ST Individual are residing in the project area for getting title under ST & OTFD (FRA), 2006 and to report if any PVTG, PTG and PAC groups are likely to be affected.

However, as per this office request letter the concerned Tahasildars have submitted their report that neither any ST nor OTFD people or PVTG, PTG & PAC groups would be affected due to this project. Further the committee verified all the report of concerned Tahasildar and found no objection regarding this project. But from the report of Tahasildar, Danagadi it is ascertained that the above Gas pipeline project is laying over the leased land of 09 Nos. of ST individual and 01 No. of non ST individual, those who have got land on lease basis from Govt. and are paying rent but the land are barrenland and falling vacant. Tahasildar Danagadi also present in the meeting and stated that she personally verified the status of the land and found it to be barren land and no household exist on the said leased land.

After a threadbare discussion the members of the Committee decided that, it is a liner project and no Gramasabha & Panchayat is required as no PVTG, PAC & PTG groups are going to be affected. Further, as it is a public development project and due to laying of underground gas pipeline below 1.20 Mtrs, there would be no damage to the land of those 10 nos. of people who have got land under OGLS Act.


Hence, the committee resolved to submit certificate in favour of M/S GAIL (India) Ltd. for laying of pipeline. The same may be forwarded to the DFO, Cuttack for onward transmission to government of India for further necessary action at this end.

The meeting ended with vote of thanks to the Chair and the member's presents.


Collector-cum-Chairman, DLC,
Jajpur


Memo No. 8870 / Dt. 29.06.2022

Copy forwarded to all members for information and necessary action.


Collector-cum-Chairman, DLC,
Jajpur

Memo No. 8871 / Dt. 29.06.2022

Copy forwarded to the P.D., DRDA, Jajpur / Sub-Collector, Jajpur / Block Development Officer, Sukinda / Danagadi / Tahasildar, Sukinda/ Dangadi for information and necessary action.


Collector-cum-Chairman, DLC,
Jajpur

Memo No. 8872 / Dt. 29.06.2022

Copy forwarded to the Director, ST-cum-Special Secretary to Govt. ST & SC Dev. Deptt. Odisha, Bhubaneswar for information and necessary action.

Collector-cum-Chairman, DLC,
Jajpur

FOREST LAND FOR USE OF NON FOREST PURPOSE/APPROVAL OF IFR CLAIMS AND HEARING OF REJECTED ST CLAIMS UNDER ST & OTHER TRADITIONAL FOREST DWELLERS (RECOGNITION OF FOREST RIGHTS) ACT, 2006 HELD ON 26.05.2022 AT 11.00 AM IN THE OFFICE CHAMBER OF SUB-COLLECTOR, JAJPUR,

The Sub Divisional Level Committee meeting on Diversion of Forest Land for use of Non-Forest purpose/Approval of IFR Claims and hearing of rejected ST Claims as per WP @ No.109/2008 under Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 of Jajpur was convened on 26.05.2022 at 11.00AM under Chairmanship of Sub-Collector, Jajpur after constitution of new Committee after over of PRI Election, 2022.

The following members of the committee were present during the meeting.

1. Sri Manoranjan Swain, OES, ACF, Cuttack
2. Sri. Kusha Munda, P.S. Member of Pataranga P.S
3. Smt. Damayanti Khatua, P.S Member of Kacharasaahi P.S
4. Sri Saluka Henhaga, P.S. Member of Kaliapani P.S
5. Miss. Namrata Modi, OAS (JB), Tahasilidar, Danagadi
6. Miss. Damayanti Sahoo, OAS (JB), Tahasilidar, Sukinda
7. Sri Pradeep Ku. Sethy, OAS (JB) Tahasilfar, Darpan
8. Sri Tapas Kumar Sethy, OAS (JB), BDO, Sukinda
9. Sri Manguli Charan Pradhan, Wao, Danagadi
10. Sri Bijaya Kumar Purty, I/C, ADWO, Jajpur
11. Rep. of M/S Jindal Stainless Ltd.

At the outset, the Chairman welcomed all the members present and advised the DWO to brief the members regarding the purpose of the meeting.

Then DWO, Jajpur initiated the Agenda wise discussion as follows:

AGENDA -I: Approval of IFR claims for issuance of Titles.

Initiating to know about the status of the verification report prepared by the team in respect of claims. DWO intimated that Grama Sabha of concerned villages has recommended 162 nos. of individual ST claims in respect of Sasan Purusottampur, Baragada & Parla village under Darpan Tahasil. Out of Which 48 nos is to be covered under PMAY.

The details village wise position is given below.

Sl No	Name of the Tahasil	Name of the G.P	Village	No of Case record received	Total area in Ac.
1	Darpan	Barchana	Sasan Purusottampur	60	2.40
2		Parla	Baragada	11	0.44
3		Parla	Parla	51	2.04
4 th		Samia	Kolha	40	1.60
Grand Total				162	6.48



After joint verification by the revenue and forest officials for determining the possession, of actual extent of Forest Land, the team found 162 no of ST claims cases involving Ac.6.48 of forest land are eligible for vesting of individual rights under ST and OTFDs (Recognition of Forest Rights) Act, 2006. Out of which 48 claims is to be covered under PMAY Scheme, for which Sub-Collector, Jajpur gave special thanks to Tahasildar, Darpan. The committee verified the joint verification report of the revenue and forest officials and the Case records submitted by Tahasildar Darpan were found correct. After verification of the Case records submitted by Tahasildar Darpan the Sub-Collector-cum-Chairman of the committee apprised the committee on the extent of land to be allotted on the basis of the actual possession of the claimant i.e. Homestead and agricultural purpose. The District Welfare Officer apprised before the committee that as per Sec 4(6) of the FRA, 2006 a claimant is eligible for a maximum Land up to 4 (four) hectares.

It was also resolved unanimously by the Sub-Divisional level committee to recommend 162 nos of claim Cases belonging to ST Community converging total extent of AC 6.48 of homestead Land to DLC for consideration and final approval.

AGENDA -2: Hearing of Rejected ST Claims found after receipt of field inquiry report from Tahasildar concern as per Wp No.109/2008.

Dwo, Jajpur narrated the finding of all the members present in the meeting about the reason of rejection of ST rejected Claims given by Tahasildar concern after due field inquiry which were heard on SDLC Level Meeting held on different dates at Block Level.

The detailed field inquiry report received from Tahasildar concern is given below.

Sl No.	Name of Tahasil	No. of Field Inquiry Report receipt from ST Claims	Hearing of SDLC Date	No. of claims found for rejection after Field Inquiry	Reason of Rejection	Remarks
1	Danagadi	165	23.10.19 & 15.04.21	164 nos	1. Already availed IFR Title previously-140nos 2. Residing over other than forest land-14 nos 3.No Such Person- 06 nos 4. Not belongs to Danagadi Tahasil-Aren- 03nos 5. Non ST-01 no.	01 no of ST claimants found to be eligible to get IFR title. This case is under process.
2	Jukinda	84	16.10.2019	49 nos	1. Non-ST-05 nos 2. Staying over Private Plot-12 nos 3.No Such Person- 09 nos 4. Kisan Basti Jogya- 07nos 5. Kisan Gochar-03 nos 6. Kisan Patila-10 nos 7. Kisan UJJ-3 nos	35 nos of ST Claims found to be eligible to get IFR title. These cases are under process

Printed & signed by the Sub-Divisional Officer

The Chairman properly gone through the detail field inquiry report submitted by the Tahasildar concern and appraised before the committee about the claims which are genuine for rejection.

Further, where claimants are eligible and land is in question, in this case the Chairman instructed Tahasildars to settle those claimants under other Govt. Rules like OGLS/OPLE Act. Regarding ST claimants, those who have already availed IFR title previously and have no further claims made by them may be rejected.

Hence, As per the opinion of chairman the committee properly understood the reason of rejection and unanimously decided to reject those claims. Accordingly the proposal sent to DLC for final decision.

AGENDA -3: Approval of Forest Diversion Proposal of M/S Jindal Stainless Ltd. under FRA, 2006.


The DWO, Jaipur appraised before the Committee that, One M/S Jindal Stainless Ltd. has requested for issues of FRA Certificate over an area 1.899 Ha under FRA 2006 in connection with Jindal Chromite Mines of Village Kaliapani under Sukinda Block. In this Connection Grama Sabha of Kaliapani GP has recommended the proposal for diversion of Forest land around 1.899Ha for use of non Forest Purpose by M/S Jindal Stainless Ltd for Jindal Chromite Mines before the SDLC for Approval. The Details Village wise position given below.

Name of the Agency	Name of Gp	Name of Village	Area applied for
M/S Jindal Stainless Ltd.	Kaliapani	Kaliapani	1.899 Ha

On perusal of Gram Sabha Proceeding forwarded by BDO, Sukinda, it is revealed that detailed elaborate discussion was made in the Grama Sabha/Palli Sabha regarding FRA 2006 and implementation of displacement and rehabilitation schemes was explained to them in Odia Vernacular.

Further, It is seen that the people present in the Grama Sabha had agreed and have given their written consent with recommendation for diversion of forest land of above extent for non Forest use by M/S Jindal Stainless Ltd. The above area has been verified by the Revenue Inspector Kankadapal for determining the possession of actual extent of forest land by the Individuals and communities for giving safeguard under Forest Right Act, 2006.


More over, It was found that no individual and communities are in possession of the above scheduled land and their will be no impact on any PTG or PAC Communities. The same has been confirmed by Revenue Inspector Kankadapal through Tahasildar Sukinda.

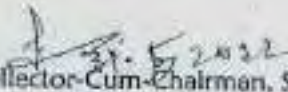


The Grama Sabha also conveyed its approval by observing all the formalities their on and the same was approved with 50% Quorum.

Hence the committee unanimously decided to send the diversion proposal in regards to the above said land for use of non forest purpose by M/S Jindal Stainless Ltd for the above mines to DLC.

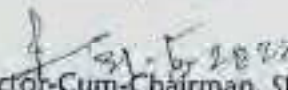
The Meeting ended with vote of thanks to the Chair.


District Welfare Officer
Jajpur


Sub-Collector-Cum-Chairman, SDLC
Jajpur

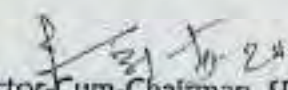
Memo No. 7377 / Date. 01.06.2022

Copy forwarded to all members for information and necessary action.


Sub-Collector-Cum-Chairman, SDLC
Jajpur

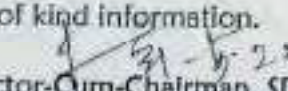
Memo No. 7378 / Date. 01.06.2022

Copy to Tahasildar, Danagadi/Sukinda/Darpan & BDO, Danagadi/Sukinda/Darpan for information and necessary action.


Sub-Collector-Cum-Chairman, SDLC
Jajpur

Memo No. 7379 / Date 01.06.2022

Copy submitted to the Collector, Jajpur for favour of kind information.


Sub-Collector-Cum-Chairman, SDLC
Jajpur

FORM-II

(for projects other than linear projects)

Government of Odisha

Office of the District Collector, Jajpur

No. 9872.....

Date. 29.06.2022

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 (pt.) dated 3rd August 2009 wherein the MoEF issued guidelines on submission of evidence for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition Forest Rights) Act, 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 1.899 hectares of forest land proposed to be diverted in favour of M/s. Jindal Stainless Ltd. for Jindal Chromite Mines in Jajpur District falls within jurisdiction of Kaliapani village in Sukinda Tahasil.

It is further certified that:

- (a) the complete process for identification and settlement of rights under the FRA has been carried out for the entire 1.899 hectares of forest land proposed for diversion. A copy of records of all consultation and meetings of Forest Rights Committee, Gram Sabha (s), Sub-Division Level Committee and the District Level Committee are enclosed as Annexure- A to Annexure-C.
- (b) the proposal for such diversion (with full details of the project and its implementations, in vernacular/local language) have been placed before each concerned Gram Sabha of forest-dwellers, who are eligible under FRA;
- (c) the each of concerned Gram Sabhas, 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 details of proposed diversion. A copy of the certificate issued by the Gram Sabha of Kaliapani village is enclosed as Annexure - B.
- (d) the discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of the Gram Sabha present;
- (e) the diversion of forest land for facilities managed by the Government as required under section 3 (2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) 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.

End: As above

(Chakravarti Singh Rathore)
Collector & District Magistrate,
JAJPUR

Minutes of Meeting (Palli Sabha/ Grama Sabha) conducted as per Forest Right Act,2006

Village: Kaliapani

Place: Kaliapani Shiva Temple Premises

Gram Panchayat: Kaliapani

Date: 17.12.2021, Time: 11:00 AM

Today on 17.12.2021 a PalliSabha/Grama Sabha under Forest Right Act(FRA), 2006 has conducted at 11.00 am as per the reference letter no.: 15965, date: 03.12.2021 issued by Sub-Collector, Jajpur and further correspondence made by Block Development Officer (BDO), Sukinda vide letter no: 3409, date: 03.12.2021 at Kaliapani Shiva Temple Premises.

During this Palli sabha all the Ward Members of Kaliapani G.P, all the members of SHG, members of Jungle Committee and other citizens of the village were present.

Apart from this during this meeting the undersigned Govt. employees, elected members of the G.P & Officials of Jindal Stainless Limited were present.

1. Sarapanch, Kaliapani G.P
2. Panchayat Samiti Member, Kaliapani G.P
3. Revenue Inspector, Kankadpal G.P Circle
4. Deputy Ranger, Sukinda Forest Range
5. Welfare Extension Officer, Sukinda
6. Senior Management of JSL.

At the outset by the proposal and support of members present in the meeting Mrs. Kalpana Jena was elected as President of the meeting. As per the law adequate members were present to form a quorum. So, Mrs. Kalpana Jena requested to Mr. Santosh Ku Pati (WEO, Sukinda) to conduct the meeting.

The following proposals were raised and discussed in the meeting.

Objective of the Meeting :

In meeting proposal has put up that Jindal Chromite Mines will use the area of 1.899 Ha/ 4.68 Acres of Forest land for non-forest use. The concerned officials of Govt. of Odisha briefed in detail to the whole members of meeting regarding the diversion of forest land and it's applicability and rights of the Scheduled tribes as per Forest Right Act-2006.

The objectives of this meeting was again elaborated by Government Officials to all the village members present in the meeting regarding personal rights and community rights of the local tribal communities and other forest dwellers as per Forest Right Act-2006.

After that the Revenue Inspector, Kankadpal briefed the house regarding his field visit report of the proposed land to be diverted and it's Hal/Sabik land schedule status along with it's plan.

From the above mentioned and briefed documents/facts it was concluded that out of the total land 1.899 ha/ 4.68 Acre as per Forest Conservation Act-1980 0.459 ha/1.13 Acre land comes under forest land as per Hal Settlement which is located inside Kallapani Revenue Village and the remaining area 1.44 ha/3.55 Acre land as per Sabik Kisam comes under Forest Block: 27.

The Jindal Stainless Limited has requested to divert all the forest land of 1.899 ha/4.68 to Non-forest for mining use.

The members present in the meeting agreed/ supported the proposal raised during the meeting & viewed their consent to re-operate the mines.

So the proposal raised by Jindal Stainless Limited for diversion of 1.899 ha/4.68 acre forest land to Non-forest land for mining use has unanimously agreed by the house. It was requested to the concerned officials for its implementation as per law.

At last the meeting was concluded by thanking to the president, Local Public, Jungle committee members. Government officials and all the officials of Jindal Chromite Mines.

OFFICE OF THE SARAPANCH
KALIAPANI GRAMA PANCHAYAT

AT/P.O./P.S.- KALIAPANI, DIST.- JAJPUR,
 PIN - 755028 (ODISHA)

Letter No.



Date 20/07/2022

ପଞ୍ଚୁନ ହୁରୁହୁନ ଅଧିକାରୀ

ସୂଚିକା ପାଣିକୃତ ସମିତି, ସୂଚିକା ।

ବିଷୟ: ଜିଲ୍ଲା ଛୋଟାହାଟ୍ ଜମିର ଜଗଲ୍ ଜମି ନ୍ୟାୟାଳୟ ସମ୍ମୁଖରେ
 ଜଗଲ୍ ଅଧିକାର ଆକ୍ଟ ୨୦୦୨ ଅନୁଯାୟୀ ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ ।

ମନୁଷ୍ୟ,

ଆଜ୍ଞାପୁର ଜିଲ୍ଲା ପଞ୍ଚୁନ ଅଧିକାରୀ ଏକ ପଞ୍ଚୁନ ହୁରୁହୁନ ଅଧିକାରୀ ସୂଚିକାରେ
 କର୍ମେଣ୍ଡା ଅନୁଯାୟୀ ଜିଲ୍ଲା ଛୋଟାହାଟ୍ ଜମିର ଜଗଲ୍ ଜମିର ଆକ୍ଟ ୨୦୦୨ରେ ବ୍ୟବହାର
 ଯାହା କଲିଆପାନି ଗ୍ରାମପଞ୍ଚାୟତ୍ ଜଗଲ୍ ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ ଆକ୍ଟ ୨୦୦୨ରେ
 ୨୦୧୮, ତା ୦୩/୦୩/୨୦୧୮ ମାସରେ ଜଗଲ୍ ଅଧିକାରୀଙ୍କୁ ଅନୁମତି ଦିଆଯାଇଥିଲା ଏବଂ
 ଦିଆଯାଇଥିଲା ଏବଂ ଦୁଇଦିନ ପରି ଗ୍ରାମସଭା ମଧ୍ୟ କଲିଆପାନି ଗ୍ରାମସଭା
 ସମ୍ମୁଖରେ ଜଗଲ୍ ଦିଆଯାଇଥିଲା । ତା ୦୩/୦୩/୨୦୧୮ରେ ଗ୍ରାମସଭା
 ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ କଲିଆପାନି ସମିତିର ଗ୍ରାମସଭା କାନ୍ତି ଗ୍ରାମସଭା ସମିତି
 ସମାପନ ହୋଇଥିଲା । ତେଣୁ ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ ସମ୍ମୁଖରେ ମଧ୍ୟ ଦିଆଯାଇଥିଲା
 ବିବରଣୀ ଆକ୍ଟ ୨୦୦୨ରେ ଗୋଟିଏଟା ସୁଦ୍ଧା କରୁଅଛି ।

୧- ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ ବିଷୟ ବିବରଣୀ

୨- ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ରେ ଗୋଟିଏଟା ସମୟ ଗ୍ରାମସଭାରେ ଦସ୍ତଖତ

୩- ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ରେ ବିବେଚିତ

୪- ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ରେ ସ୍ଥିତି

୫- ଗ୍ରାମସଭା/ପଞ୍ଚାୟତ୍ରେ କର୍ମରେ ରହିବା

« ଭବି »

ଆପଣଙ୍କର ବିଶ୍ୱସ୍ତ

157

Kalpana Jena
 Kalpana Jena
 Sarapanch
 Kaliapani

ଦିନାଙ୍କ ଅଧିକାର ଆଇନ ୨୦୦୨ ଅନୁଯାୟୀ କରାଯାଇଥିବା
ଗ୍ରାମସଭା/ପର୍ଯ୍ୟାୟତା ବିବରଣୀ

ଗ୍ରାମ ନାମ: କାଳିଆପାଣି

ସ୍ଥାନ: କାଳିଆପାଣି ଶିବପରିଷଦ ଗ୍ରାମପଞ୍ଚ

ଗ୍ରାମ ପର୍ଯ୍ୟାୟତ: କାଳିଆପାଣି

ତା: ୧୩/୧୨/୨୦୨୧ ଡିସେମ୍ବର

ସମୟ: ପୂର୍ବାହ୍ନ ୧୧ ଘଟିକା

ଏକମାତ୍ର ୧୩/୧୨/୨୦୨୧ ଡିସେମ୍ବର ପୂର୍ବାହ୍ନ ୧୧ ଘଟିକା ସମୟରେ ଜିଲ୍ଲା କାର୍ଯ୍ୟାଳୟରୁ
ମହାକବିରାଜ ନାୟକଙ୍କୁ ଡିପି ନଂ-୧୫୮୨୫ ତା ନଂ-୧୨-୨୦୨୧ ଡିସେମ୍ବର ଓ ମହାନ ଗୁରୁମୁନି
ଅଧିକାରୀ ସୁଜିତାଙ୍କୁ ଡିପି ନଂ-୧୫୮୨୫ ତା ନଂ-୧୨-୨୦୨୧ ଡିସେମ୍ବର ଅନୁଯାୟୀ ପୂର୍ବ କର୍ତ୍ତାବିତ
କାର୍ଯ୍ୟସୂଚୀ ଅନୁଯାୟୀ କାଳିଆପାଣି ଗ୍ରାମସ୍ଥ ଲୋକାଳ ଶିବପରିଷଦ ଗ୍ରାମପଞ୍ଚର
ଦିନାଙ୍କ ଅଧିକାର ଆଇନ ୨୦୦୨ ରୁ ଆରା ୨(କ) ମୁତାବକ ଏକ ଗ୍ରାମସଭା/ପର୍ଯ୍ୟାୟତାରେ
କାଳିଆପାଣି ଗ୍ରାମସ୍ଥ ଲୋକାଳ ସମସ୍ତ ଡାକ୍ତରୀ ସଭ୍ୟା/ସଭ୍ୟା, ପୁରୁଷସଭ୍ୟା ଗୋଷ୍ଠି
ସଭ୍ୟାସଭ୍ୟା, କେବଳ ଅଧିକାର କର୍ତ୍ତାବିତ ସଭ୍ୟା/ସଭ୍ୟା ଓ ଗ୍ରାମର ନିମ୍ନ ସ୍ଥାନବାସୀ ସାବାସକ
ଗୋଷ୍ଠର ମାଲିକ ଉପସ୍ଥିତ ଥିଲେ ।

ଉପସ୍ଥାପନା ଉକ୍ତ ସଭାରେ ନିମ୍ନଲିଖିତ ସଭ୍ୟାସଭ୍ୟା କର୍ତ୍ତାବିତ, ଗ୍ରାମ ପର୍ଯ୍ୟାୟତର
ନିର୍ବାଚିତ ପ୍ରତିନିଧି ଓ ଜିଲ୍ଲା କ୍ଲୋକ୍ସର ମାନ୍ୟତା ଅଧିକାରୀ ମାଲିକ ଉପସ୍ଥିତ ଥିଲେ ।

୧- ସଭ୍ୟାସଭ୍ୟା, କାଳିଆପାଣି ଗ୍ରାମ ପର୍ଯ୍ୟାୟତ

୨- ପ୍ରତିନିଧି ସଭ୍ୟା, କାଳିଆପାଣି ଗ୍ରାମ ପର୍ଯ୍ୟାୟତ

୩- ଗ୍ରାମସ୍ଥ ନିର୍ବାଚକ, କାଳିଆପାଣି ଗ୍ରାମ ପର୍ଯ୍ୟାୟତ ସଭ୍ୟ

୪- ଉପସଭ୍ୟାସଭ୍ୟା ଅଧିକାରୀ, ସୁଜିତା ବନାର୍ଜୀ

୫- ମହାନ ସମ୍ପ୍ରଦାୟ ଅଧିକାରୀ, ସୁଜିତା

୬- ଗ୍ରାମସ୍ଥ ଉପସଭ୍ୟାସଭ୍ୟା ୩୦ ମାନ୍ୟତା ଉପସଭ୍ୟାସଭ୍ୟା ଅଧିକାରୀ, ଜିଲ୍ଲା କ୍ଲୋକ୍ସର ମାଲିକ
ଜିଲ୍ଲା କ୍ଲୋକ୍ସର ନିର୍ବାଚକ ।

ସର୍ବସ୍ୱାଧୀନ ପ୍ରମୁଖ ଏକ ସମର୍ଥନ କ୍ରିୟା ଶ୍ରୀମତୀ କଳ୍ପନା ଜେନା, ସଭ୍ୟାସଭ୍ୟା କାଳିଆପାଣି
ଉକ୍ତ ସଭାରେ ସଭ୍ୟାସଭ୍ୟା ଗୁରୁ ଚନ୍ଦ୍ର କରାଯାଇଥିଲା । ନିମ୍ନ ଅନୁଯାୟୀ ସଭାରେ
ଆବେଦନୀୟ ଗୋଷ୍ଠ ସଭ୍ୟାସଭ୍ୟା ସଭ୍ୟାସଭ୍ୟା ଶ୍ରୀମତୀ କଳ୍ପନା ଜେନା, ମହାନ ସମ୍ପ୍ରଦାୟ
ଅଧିକାରୀ ଶ୍ରୀମୁକ୍ତି ସନ୍ତୋଷ କୁମାର ଉପସଭ୍ୟାସଭ୍ୟା ଉପସଭ୍ୟାସଭ୍ୟା ଉପସଭ୍ୟାସଭ୍ୟା
ଅଧିକାରୀ କଳ୍ପନା ଜେନା । ଏଥିରେ ନିମ୍ନଲିଖିତ ପ୍ରମୁଖ ପ୍ରତିନିଧି ଆହ୍ୱାନ କରାଯିବା ମାତ୍ରେ
ଗ୍ରାମସଭା ନିର୍ବାଚକ ଉପସଭ୍ୟାସଭ୍ୟା କରାଯାଇଥିଲା ।

ପ୍ରସ୍ତାବ:

ଭକ୍ତ ଗ୍ରାମସଭା / ପଲ୍ଲୀସଭାରେ ଜିଲ୍ଲା ଚକ୍ରାମାର୍ତ୍ତ ମାନ୍ୟବର ମନି ଚଟ୍ଟୋପାଧ୍ୟାୟ
ଅଧିକ ୧୮୮୮ ଟଙ୍କାର ଅର୍ଥାତ୍ ୪୪.୮୫ ଲକ୍ଷରୁ ଜିଲ୍ଲା ଜମିକୁ ଅଗ୍ରଜମାକୁ
କରି କମଳେ ବ୍ୟବହାର କରିବା ପାଇଁ ପ୍ରସ୍ତାବ ଆବଦ୍ଧି କରାଯାଇଥିଲା । ଭକ୍ତ
ଜିଲ୍ଲା ଜମିକୁ ରୂପାନ୍ତରିକ୍ତ କରାଯିବାର ପ୍ରସ୍ତାବର ଉଦ୍ଦେଶ୍ୟ ଏବଂ ତାହାର
କାର୍ଯ୍ୟକାରୀତା ସମ୍ବନ୍ଧରେ ବିବିଧ ଭାବରେ ଗାନ୍ଧିଜୀଙ୍କ ଲେଖନିକା ସତ୍ୟବାଦୀ
ଆନ୍ଦୋଳନର ଉଦ୍ଦେଶ୍ୟ ଏବଂ ଗାନ୍ଧିଜୀଙ୍କ ବନବାସୀଙ୍କର ଜିଲ୍ଲା ସ୍ୱାଧୀନ ଅଧିକାର
ଆଇନ ୨୦୦୨ ର ସମସ୍ତ ନୀତି ବିରୁଦ୍ଧ ସମ୍ବନ୍ଧରେ ସମ୍ବନ୍ଧ ଅଧିକାରୀ ଉପକ୍ରମ
ସମସ୍ତ ଜନସାଧାରଣ ମାନଙ୍କୁ ପ୍ରାକ୍ତିନ ଭାବରେ ଜୁଣାଇଥିଲା ।

ଏହି ସଭାର ଉଦ୍ଦେଶ୍ୟ ସମ୍ବନ୍ଧରେ ଉପସ୍ଥିତ ସମସ୍ତ ଗ୍ରାମବାସୀ ମାନଙ୍କୁ ବିବିଧ
ଭାବରେ ଜୁଣାଇ ଦିଆଯାଇଥିଲା, ଅର୍ଥାତ୍ ଜିଲ୍ଲା ଅଧିକାରୀ ଆଇନ ପ୍ରତିଷ୍ଠା
ସ୍ଥାନୀୟ ଆଦିବାସୀ ଏବଂ ଅନ୍ୟାନ୍ୟ ଗାନ୍ଧିଜୀଙ୍କ ବନବାସୀ ମାନଙ୍କର ଜିଲ୍ଲା
ଜମି ଉପରେ ଚିହ୍ନିତ ବ୍ୟକ୍ତିଗତ ଅଧିକାର, ଗୋଷ୍ଠୀଗତ ଅଧିକାର ଏବଂ ଗୋଷ୍ଠୀଗତ
ଜିଲ୍ଲା ସମ୍ବନ୍ଧରେ ଅଧିକାର ଉପରେ ଉପସ୍ଥିତ ସମସ୍ତ ଜନସାଧାରଣଙ୍କ ବିରୋଧେ ପରିଚାଳନା ଏବଂ
ସମ୍ବନ୍ଧ ସହକାରୀ ଅଧିକାରୀ ପ୍ରଦାନ କରିଥିଲା ।

ଉପରେ ଉଲ୍ଲେଖ କରାଯାଇଥିବା କାର୍ଯ୍ୟକାରୀତା ପ୍ରାୟ ପ୍ରସ୍ତାବର ଜମିକୁ ଜିଲ୍ଲା ଅଧିକାରୀ
ଆଇନ-୨୦୦୨ ଅନୁଯାୟୀ କରାଯାଇଥିଲା । ସର୍ବଜନିନ ଭାବେ ବିବରଣୀ ଏବଂ ତାହାର
ଦ୍ୱାରା-ସମ୍ବନ୍ଧ ଏବଂ ଲୋକ ସଭାକୁ ପ୍ରଦାନ କରି ଚଳିଥିବା ଉପସ୍ଥାପନା କରାଯାଇଥିଲା ।
ଉପସ୍ଥିତ ଭକ୍ତ ଜମିର ନକ୍ସା କରିଥାନ୍ତେ ଜମିର ଅବସ୍ଥିତି ସମ୍ବନ୍ଧରେ ତଥା
ଗ୍ରାମବାସୀଙ୍କ ନିକଟରେ ଉପସ୍ଥାପନା କରାଯାଇଥିଲା ।

ଭକ୍ତ ଗ୍ରାମସଭାରେ ଜିଲ୍ଲା ଚକ୍ରାମାର୍ତ୍ତ ମାନ୍ୟବର ଆବଦ୍ଧି
କରାଯାଇଥିଲା ୧୮୮୮ ଟଙ୍କାର ଅର୍ଥାତ୍ ୪୪.୮୫ ଲକ୍ଷରୁ ଜିଲ୍ଲା ଜମିକୁ ଅଗ୍ରଜମାକୁ
୧୮୮୮ ଟଙ୍କାର ଅର୍ଥାତ୍ ୪୪.୮୫ ଲକ୍ଷରୁ ଜିଲ୍ଲା ଜମିକୁ ଅଗ୍ରଜମାକୁ
ଜିଲ୍ଲା ଅଧିକାରୀଙ୍କ ଅଟେ, ଏହା କାଳିଆପାଣି ଗ୍ରାମସଭାରେ ଅବସ୍ଥିତ ଏବଂ
୧.୪୪ ଟଙ୍କାର ଅର୍ଥାତ୍ ୪୪.୮୫ ଲକ୍ଷରୁ ଜିଲ୍ଲା ଜମିକୁ ଅଗ୍ରଜମାକୁ
ଅଟେ ଯାହାକି ଗାନ୍ଧିଜୀଙ୍କ ଦୁଇ-୨୫ ର ଅନ୍ତର୍ଭୁକ୍ତ ଅଟେ । ଭକ୍ତ ସମସ୍ତ ୧୮୮୮
ଟଙ୍କାର ଅର୍ଥାତ୍ ୪୪.୮୫ ଲକ୍ଷରୁ ଜିଲ୍ଲା ଜମିକୁ ଅଗ୍ରଜମାକୁ କରି ରୂପାନ୍ତରିକ୍ତ
କରି ଗୋଷ୍ଠୀଗତ ଉଦ୍ଦେଶ୍ୟରେ ବ୍ୟବହାର କରିବା କମଳେ କରାଯିବା କାର୍ଯ୍ୟକାରୀ
ଆବଦ୍ଧି କରିଥିଲା ।

ଉକ୍ତ ସହାୟ ଉପସ୍ଥିତ ସମସ୍ତ ସହାୟକ ଗ୍ରାମବାସୀ ସମର୍ଥନ କରିବା ସହ
 ଶାସ୍ତିକ କାର୍ଯ୍ୟସମ୍ପାଦନ କରିବା ପାଇଁ ସମ୍ମତି ପ୍ରଦାନ କରିଥିଲେ ।

ଏହି ବିଷୟ ଉପରେ ବିଚାରଣା ସମ୍ପର୍କରେ ଉକ୍ତ ବିଧିବାହୀ ପାହୁଣ୍ଡର
 ଗଣିତାଗାରକୁ ଆସିବା ପରେ ଉକ୍ତ ସହାୟ ଉପସ୍ଥିତ ଉକ୍ତ ବିଧିବାହୀଙ୍କୁ
 ଅନୁରୋଧ କରି କମଳା କମଳା କରିବା ପାଇଁ ଆଗର ଉପାଦେୟ
 ଗ୍ରାମବାସୀ ସମ୍ମତି କ୍ରମେ ଗ୍ରହଣ କରାଯାଇଥିଲା । ଏହାକୁ ନିର୍ଦ୍ଦେଶିତ
 କରିବା କମଳା ବାବୁଜୀଙ୍କୁ ସମ୍ମତ କରାଯାଇଥିଲା ।

ସର୍ବମୋକ୍ତ ସହାୟ, ଉପସ୍ଥିତ ଉପସାହାୟ, ଉକ୍ତ ସହାୟ କମଳା
 ଓ ବନ ସହାୟ କମଳା ସହାୟ, ସହାୟ ସହାୟ, ବିଧିବାହୀ
 ପାହୁଣ୍ଡର ସମସ୍ତ କମଳା ନିଜର ଅନୁରୋଧ କରିବା ସହ ସହାୟକ
 କମଳା କରିଥିଲେ ।

Sampada Pradhan

ସମ୍ପତି ସହାୟ

କାଳିଆଗାମି ଗ୍ରାମବାସୀ

Samiti Member

Kaliapani G.P.

Upendra Mohanty

ନାଥକ ସହାୟ

କାଳିଆଗାମି ଗ୍ରାମବାସୀ

Kalpana Jena

ସହାୟ କାଳିଆଗାମି ଗ୍ରାମବାସୀ

Kalpans Jena

Sarapancho

Kaliapani

Devi Kumar Choudhary

REVENUE INSPECTOR

KANKADPAL

Jayaram K. Mohanty

ଉପସାହାୟ ସହାୟ

ସୁଜିତା

Ranjana Ranjan Ray


CONDITION NO.:- B(i)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited, do hereby undertake that the Legal status of the diverted forest land shall remain unchanged.

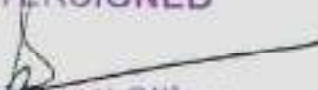
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

161

Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. - Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaaji Cama Place, New Delhi - 110 066, India.

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL, CIRCLE,
ATPO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res),

Email Id: rcfanguk@gmail.com

Memo No. 3310 / SP.FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2.	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3.	B(xiv) (a)	Mitigative measures to minimize soil erosion and choking of streams.	6,40,000/-
4.	B(xiv) (b)	Planting of adequate drought Hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5.	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6.	B (xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7.	B(xiv) (e)	Management of Top soil.	3,54,420/-
8.	B(xv) (a)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 /dated. 06-8-22

Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Division and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 09.07.2022. of the DFO, Cuttack Division.

Encl: As above.

MC
Regional Chief Conservator of Forests
Angul.

Memo No. 3312 /dated. 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s. Jindal Stainless limited, Kallapani, Jaipur for information and necessary action.

MC
Regional Chief Conservator of Forests
Angul

Annexure- B/I

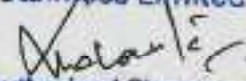
CONDITION NO.:- B(ii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta, AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that as per approved plan appropriate mitigative measures to minimize soil erosion and choking of drains, planting of drought hardy plant species and sowing of seeds in the appropriate area within the mining lease area to arrest soil erosion, construction of check dam, retention wall/toe walls to arrest sliding down of excavated materials along the contours shall be taken up.

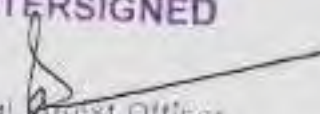
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

164

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jagpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

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Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

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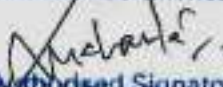
CONDITION NO.:-B (iii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that Creation and maintenance of alternate habitat for avifauna whose nesting trees have been cleared are to be taken up.

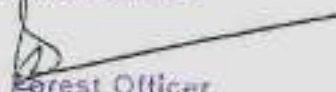
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

165

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalpani - 755 047, Dist : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India

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SF
Bom
6/8/2022

OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA. Phone-06764-296010 (O), 296011 (Res).

Email Id: rcf.angul@gmail.com

Memo No. 3310 / SF.PC-18/2022 Dated, 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kalinpani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3	B(xiv) (a)	Mitigative measures to minimize soil erosion and chocking of streams.	6,40,000/-
4	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6	B(xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7	B(xiv) (e)	Management of Top soil	3,54,420/-
8	B(xv) (a)	Safety zone area over 1.899 ha	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

Encl: As above.

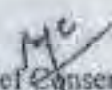
166

Regional Chief Conservator of Forests
Angul

Memo No. 3311 /dated. 06.8.22

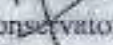
Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Division) and Nodal Officer, PC Act), Office of the Principal Chief Conservator of Forests & H&EE, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022. of the DFO, Cuttack Division.

Encl: As above.


Regional Chief Conservator of Forests
Angul.

Memo No. 3312 /dated. 06.8.22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jaipur for information and necessary action.


Regional Chief Conservator of Forests
Angul

CONDITION NO.:-B (iv)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that construction and cleaning of garland drains, stabilizing retaining walls, proper terracing of OB Dumps and choking of gully formation resulting in soil erosion are to be taken up.

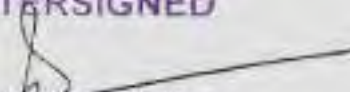
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

168

Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kallapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 065, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

SF
Bm
6/8/2022



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res),
Email Id: rccfanganul@gmail.com

Memo No. 3310 / SF-FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s. Jindal Stainless Limited in village Kafiapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Re:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1.	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2.	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3.	B(xiv) (a)	Mitigative measures to minimize soil erosion and chocking of streams.	6,40,000/-
4.	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5.	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6.	B(xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7.	B(xiv) (e)	Management of Top soil.	3,54,420/-
8.	B(xv) (a)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.


Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 dated 06-8-22


Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022. of the DFO, Cuttack Division.

Encl: As above.


Regional Chief Conservator of Forests
Angul.

Memo No. 3312 dated 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kallapani, Jaipur for information and necessary action.


Regional Chief Conservator of Forests
Angul.

Annexure- BIV

CONDITION NO.:-B (v)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that plants which are having lowest translocation factor will be selected for Afforestation on the OB dumps and fruit trees to be avoided in planting during stabilization of OB dumps are to be taken up.

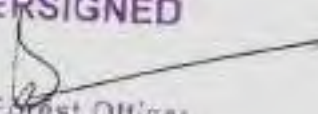
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

141

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/V

CONDITION NO.:-B (vi)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that fencing of open pit area for prevention of wild animals into mining pit, are to be taken up.

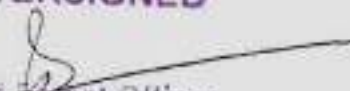
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

172

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalispani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office - Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO.:-B (vii)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the angle of repose in OB dumps shall be maintained to ensure stability and safety, are to be taken up.

For Jindal Stainless Limited
Jindal Stainless Limited

(Signature)
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

(Signature)
Divisional Forest Officer
Cuttack Forest Division

193

Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jaipur, Odisha, India.

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005. (Haryana) India.

Corporate Office : Jindal Centre, 32, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/VI

CONDITION NO.: -B (viii)

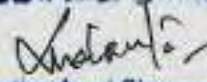
UNDERTAKING

PROPOSAL NO.: - FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that vertiver grass will be planted at the lower reaches of the dump to bind the soil and prevent soil erosion giving better stability to the dump, are to be taken up.

For Jindal Stainless Limited

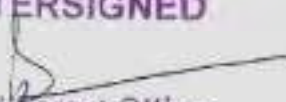
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

1711

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India.

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India

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SF

Bm

26/8/2022



ANNEXURE - B/IX

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.pccfhoi@odisha.gov.in / nodal.pccfodisha@gmail.com

Memo No. 16343 /9F (MG) - 377/2019
Dated, Bhubaneswar the 23rd August 2022

To

The Divisional Forest Officer
Cuttack Forest Division

Sub: Proposal for non-forestry use of 66.20 ha forest land (including safety zone area 1,899 ha) under Section 2(ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kaliapani and Forest Block No-27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division - Revised Financial outlay of CA Scheme @Rs 326/- per manday regarding.

Ref: This office Memo No. 8264 dated 13.04.2022

In continuation to this office memo on the subject cited above, it is to inform you that the revised financial outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamara, Badabahal, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Athmalik Forest Division pertaining to the above project has been approved by CCF (FD & Nodal Officer, FC Act) at prevailing wage rate of Rs.326/- per manday amounting to Rs 3,81,94,200/- (Rupees three crores eighty one lakhs ninety four thousand and two hundred) only which is enclosed.

You are requested to raise demand on the user agency for payment of the differential amount through web portal of MoEF & CC and submit the deposit particulars of the amount paid. Further, you are also requested to furnish the statement of funds towards compensatory levies deposited by the user agency in the prescribed CAMPA format duly signed by you alongwith the updated Stage-I compliance.

Encl - Revised financial outlay

Memo No. _____ Dt _____

Copy forwarded to the RCCF, Angul Circle for information & necessary action in continuation to this office Memo No. 8266 dated 13.04.2022.

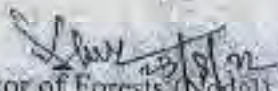
[Signature]
Conservator of Forests (Nodal)

[Signature]
Conservator of Forests (Nodal)

11211


Memo No. _____ Dt. _____

Copy alongwith a copy of the revised financial outlay forwarded to the Divisional Forest Officer, Athmallik Forest Division for information & necessary action
Encl - Revised financial outlay


Conservator of Forests (Nodal)

Memo No. _____ /Dt. _____

Copy forwarded to the Authorized Signatory, M/s Jindal Stainless Ltd, At/Po-Kaliapani, Dist-Jajpur, Odisha, Pin-755047 for information and necessary action in continuation to this office Memo No. 8269 dated 13.04.2022.


Conservator of Forests (Nodal)

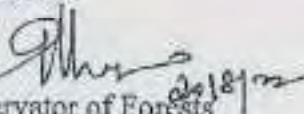
Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khamara, Badabahal, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Athmallik Forest Division of Angul District in lieu of diversion of forest land for Jindal Chromite Mines, Kallapani in Sukinda Range under Jajpur District of M/s Jindal Stainless Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
A.	PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)	
1.	Cost of Block Plantation @ 1000 plants per ha over 65.645 ha @ Rs.1,75,251.46 per ha without provision of fencing with 10 years maintenance (1 years 6 months old seedling)	1,15,04,382.00
2.	Soil Conservation Measures:	
	(i) Cost of staggered trench of size 2.5 mt X 0.5 mt. X 0.5 mt @ 100 nos. per ha @ Rs.65.20 per staggered trench over 65.645 ha	4,28,005.00
	(ii) Cost of LBCD with size 10'X10'X5' (Procured from quarry) for 163 nos. @ Rs.8944.16 each over 65.645 ha	14,57,898.00
	Total (1+2)	1,33,90,285.00
3.	25% of CA cost towards additional SMC measures like staggered trenches, percolation pits, contour trench, Graded earthen bund, LBCD, wire mesh LBCD, Sub-surface dyke & WHS as per slope and site requirement	33,47,571.00
	Total	1,67,37,856.00
4.	Add Escalation Cost (20%)	33,47,571.00
	Total (A)	2,00,85,427.00
5.	Cost of Angle Iron & Chain Link wire mesh fencing over 10.2 Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years maintenance (As per approved one-time cost norm for CA)	1,71,08,705.00
	Total	Rs.3,71,94,132.00 Or rounded off to Rs.3,71,94,200.00
B.	INFRASTRUCTURE (To be provided in kind)	
6.	Cost of one Solar Plant	7,50,000.00
7.	Vehicle mounted LED wall for awareness	2,50,000.00
	Total (B)	10,00,000.00
	Grand Total	3,81,94,200.00

(Rupees Three Crore eighty one lakhs ninety four thousand and two 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.



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

Memo No
Dated, BBSR, the

8264 / JFMG-377/2019
12 April, 2022



To
The Divisional Forest Officer
Cuttack - Athamallik Forest Division

Sub: Proposal for non-forestry use of 66.20 ha forest land (including safety zone area safety zone 1.899 ha) under Section 2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s Jindal Stainless Limited in village Kallapani and Forest Block No.27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division-regarding

Ref: Memo No.6449/ FE & CC dated 02.04.2022 of OSD-cum-Special Secretary to Government in FE & CC Department.

In inviting a reference to the above cited correspondence of OSD-cum-Special Secretary to Govt. in FE&CC Deptt. to your address, you are requested to take necessary action in the matter at its earliest. The financial outlay for CA Scheme over an area 65.645 ha of non-forest Govt. land identified in village Serenda, Khamara, Badabahal, Gunthapada and Luhumanda under Kishorenagar Tahasil of Handapa Range of Athamallik Forest Division pertaining to the above project amounting to Rs.3,25,85,600/- (Rupees Three crore twenty five lacs eighty five thousand six hundred) only has been approved by CCF (FD & NQ, FC Act) at the wage rate of Rs 313/- per man day with 10 years maintenance. The approved financial outlay of the above project is enclosed herewith for information and necessary action. The DFO, Cuttack Forest Division is requested to raise demand on User Agency in respect of deposit cost of Compensatory Afforestation through web-portal of MoEF & CC.

Further, you are requested to raise the demand of all the compensatory levies on the user agency for payment through PARIVESH web portal of MoEF & CC and submit the deposit particular (in prescribed CAMPA format) of the amount paid pertaining the above project.

In view of above, you are requested to furnish the required compliance as stipulated in Part-A (12 Nos. which need to be complied prior to handing over of forest land by the State Forest Department & Part-B (25 nos. which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval) conditions imposed by Govt. MoEF & CC, New Delhi in their 'Stage-I-in-principle' approval order No.8-68/2000-FC (pt) dated 29.03.2022 and report on violation of FC Act, 1980 if any vide their letter under reference to this office immediately through your RCCT for onward transmission to Government of India, MoEF & CC, New Delhi.


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

Contd..P/2

Memo No. 8265 Dt.

13.04.2022

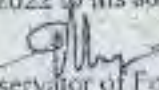
Copy forwarded to the Principal Chief Conservator of Forests, (WLJ & CWLW, Odisha for information & necessary action with reference to FE & CC Deptt. Memo No.6448/FE&CC dt.02.04.2022 to his address.

 13/4/22
Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

Memo No. 8266 Dt.

13.04.2022

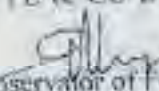
Copy forwarded to Regional Chief Conservator of Forests, Angul Circle for information & necessary action with reference to FE & CC Deptt.6449/FE&CC dt.02.04.2022 to his address.

 13/4/22
Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

Memo No. 8267 Dt.

13.04.2022


Copy forwarded to the Steel & Mines Department/ Revenue & Disaster Management Department / Director of Mines, Odisha / Director, Environment-cum-Special Secretary to Government, FE & CC Department/ Member Secretary, SPCB, Odisha / Collector, Jajpur Collector, Angul for information & necessary action with reference to FE & CC Deptt. Memo No.6450/FE&CC dt.02.04.2022 to their address.

 13/4/22
Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

Memo No. 8268 Dt.

13.04.2022

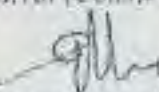
Copy forwarded to the Authorized Signatory, M/s Jindal Stainless Ltd, AOPo-Kaliapuri, Dist-Jajpur, Odisha, Pin-755047 for information and necessary action with reference to FE & CC Deptt. Memo No.6451/FE&CC dt.02.04.2022 to his address.

 13/4/22
Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

Memo No. 8269 Dt.

13.04.2022

Copy forwarded to OSD-Cum-Special Secretary to Government, FE & CC Department for information and necessary action with reference to that Deptt. letter No.10F(Cons)58/2021-6447/FE & CC dated 02.04.2022.

 13/4/22
Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act


Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Serenda, Khanara, Badabahal, Gonthapada and Lohamunda under Kishore Nagar Tahsil of Handapa Range of Athmalik Forest Division of Angul District in lieu of diversion of 1 amra PRF of Jamunkia (WL) Range of Baopra (WL) Division under Sambalpur District in lieu of diversion of forest land for Jindal Chromite Mines, Kallipani in Sukinda Range under Jajpur District of M/s Jindal Stainless Steel Ltd

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

Sl. No.	Description	Amount (Rs.)
A.	PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)	
1.	Cost of Block Plantation @ 1000 plants per ha over 65.645 ha @ Rs.1,55,689.80 per ha without provision of fencing with 10 years maintenance (1 year+6 months old seedling)	1,02,20,257.00
2.	Soil Conservation Measures:	
(i)	Cost of staggered trench of size 2.5 mt X 0.5 mt X 0.5 mt @ 100 nos. per ha @ Rs.63.00 per staggered trench over 65.645 ha	4,15,564.00
(ii)	Cost of LBCD with size 10'X10'X5' (Procured from quarry) for 163 nos. @ Rs.886.29 per Cum X 9.90 Cum= Rs.8774.27 each over 65.645 ha	14,30,206.00
	Total (1+2)	1,20,64,027.00
3.	Add Escalation Cost (20%)	24,12,805.00
	Total (A)	1,44,76,832.00
4.	Cost of Angle Iron & Chain Link wire mesh fencing over 10.2 Kms @ Rs.4,19,331/- per ha / 250 Rm with 10 years maintenance (As per approved one-time cost norm for CA)	1,71,08,705.00
	Total	Rs.3,15,85,537.00 Or rounded off to Rs.3,15,85,600.00
B.	INFRASTRUCTURE (To be provided in kind)	
5.	Cost of one Solar Plant	7,50,000.00
6.	Vehicle mounted LED wall for awareness	2,50,000.00
	Total (B)	10,00,000.00
	Grand Total	3,25,85,600.00

(Rupees Three Crore Twenty five lakhs eighty five thousand six hundred) only

Approved


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

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

CONDITION NO.:-B (ix)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Compensatory Afforestation over equivalent non-forest land shall be raised @1000 saplings per ha and any revision in CA cost or any additional cost demanded by Forest Department towards CA cost will be paid by the Jindal Stainless Limited .

For Jindal Stainless Limited

Jindal Stainless Limited

Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer
Cuttack Forest Division

181

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jagpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005 (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India.

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/X

CONDITION NO.:-B (x)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the as per the final decision of the Hon'ble Supreme Court of India, the determined additional Net Present Value (NPV) will be paid by the Jindal Stainless Limited .

For Jindal Stainless Limited
Jindal Stainless Limited

(Signature)
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

(Signature)
Divisional Forest Officer
Cuttack Forest Division

182

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CONDITION NO.:-B (xi)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the trees shall be felled in phased manner as per requirement in the approved mining plan with prior permission of concerned DFO.

For Jindal Stainless Limited
Jindal Stainless Limited

(Signature)
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

(Signature)
Divisional Forest Officer
Cuttack Forest Division

18
**Jindal Stainless Limited
Jindal Chromite Mines**

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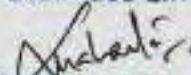
CONDITION NO.:-B (xii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the possibility of translocation of maximum number of trees identified to be felled and felling of trees will be done only when it is unavoidable under the supervision of Forest Department.

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

184

Jindal Stainless Limited

Jindal Chromite Mines

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भारत सरकार GOVERNMENT OF INDIA
खान मंत्रालय MINISTRY OF MINES
भारतीय खान ब्यूरो INDIAN BUREAU OF MINES
क्षेत्रीय खान नियंत्रक के कार्यालय
OFFICE OF THE REGIONAL CONTROLLER OF MINES



BY REGD PARCEL
Phone: 0674-2352463
Tele Fax: 0674-2352460
Email to: bhubaneswar@ibmr.gov.in
Plot No. 140, Polkharibul
BHUBANESWAR-751070

No. BBS/JJP/CR/2174/MPM/2022-23

Date: 17.08.2022

सेवामे

Shri Tarun Kumar Khulbe, Nominated Owner,
M/s Jindal Stainless Limited,
Jindal Chromite Mines, PO-Kaliapani
District-Jajpur, Odisha- 755047
E-mail: jindal_mines@yahoo.com

विषय: Approval of modification of Mining Plan of Kaliapani Chromite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 89.00 ha in Jajpur district of Odisha State, submitted by M/s Jindal Stainless Limited under Rule 17(3) of Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016.

संदर्भ: - i) Your letter No. JSL/KLPN/22/114 dated 08.07.2022.
ii) This office letter of even no. dated 25.07.2022.
iii) Your letter No. JSL/KLPN/22/131 dated 08.08.2022.

महोदय,

In exercise of the powers conferred by clause (b) of sub-section (2) of section 5 of the Mines & Minerals (Development & Regulation) Act, 1957 and clause (3) of Rule 16 & Rule 17 of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 read with Government of India Order No. S.O. 1857(E) dated 18th May, 2016, Thereby Approve the Modification of Mining Plan of Kaliapani Chromite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 89.00 ha in Jajpur district of Odisha State, submitted by M/s Jindal Stainless Limited. This approval is subject to the following conditions:

- I. The Modification of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- II. The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- III. It is clarified that the approval of aforesaid Modification of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, the Occupational Safety, Health and Working Conditions Code, 2020 and Rule & Regulations made there under.

- IV. Indian Bureau of Mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- V. At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- VI. This approval has been given for mining proposal for the year 2022-23(17.08.2022) to 2025-26 and are subject to the validity of lease period.
- VII. If this approval conflicts with any other law or court order/ Direction under any statute, it shall be revoked immediately.
- VIII. It shall be mandatory for the project proponent, abstracting ground water, to obtain "No Objection Certificate" from Central Ground Water Authority or, the concerned State/Union Territory Ground Water Authority, as the case may be.
- IX. Next Financial Assurance shall be due for submission on 31.03.2026.

Encl: - One copy of Modification
of Mining Plan

सुवर्दीय,
17/8/22
(बाबुलाल गुर्जर)

Copy for kind information to:-

क्षेत्रीय खान नियंत्रक

1. The Controller of Mines (EZ), Indian Bureau of Mines, CP-13, Sector V, Salt Lake City, Kolkata- 700 091 by mail.
2. The Director of Mines, Directorate of Mines, Government of Odisha, Heads of the Department Building, Bhubaneswar- 751001, Odisha along with one copy of Modification of Mining Plan by **REGISTERED PARCEL**.
3. Shri Sanjiw Kumar Vaidya, Geologist & Sh. Badri Narayan Das, Mining Engineer, M/s Jindal Stainless Limited. E-mail : badri.das@jindalstainless.com
4. Concerned MCDR file.

(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

CONDITION NO.:-B (xiii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the mining will be carried out in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan will be executed in the very first year and annual report will be submitted to the Nodal Officer, Forest Conservation Act, 1980 of Odisha and the Regional office, MoEF&CC of Bhubaneswar.

For Jindal Stainless Limited
Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

189

Jindal Stainless Limited
Jindal Chromite Mines

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OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,
AT/PO- BAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res);

Email Id: rcfanganul@gmail.com

Memo No. 3310 / SF.FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jaipur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay, (Rs.)
1	A (vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2.	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3 ✓	B(xiv) (a)	Mitigative measures to minimize soil erosion and chocking of streams.	6,40,000/-
4.	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5.	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6.	B (xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading /benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7.	B(xiv) (e)	Management of Top soil.	3,54,420/-
8.	B(xv) (A)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

Encl: As above.

188

Regional Chief Conservator of Forests
Angul

Memo No. 3311 /dated. 06-8-22

Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HoFF, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022. of the DFO, Cuttack Division.

Encl: As above.

MC
Regional Chief Conservator of Forests
Angul.

Memo No. 3312 /dated. 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

MC
Regional Chief Conservator of Forests
Angul

**SCHEME FOR MITIGATIVE MEASURES
TO
MINIMIZE SOIL EROSION
&
CHOKING OF STREAMS
IN RESPECT TO
JINDAL CHROMITE MINE
OF
JINDAL STAINLESS LIMITED
UNDER
CUTTACK FOREST DIVISION**

(Compliance to the condition No.B (xiv) (a) of the Stage-I Forest Clearance granted vide MoEF & CC,
Govt. of India vide F. No. 8-68/2000-FC (pt), Dated 29.03.2022)

**SCHEME FOR MITIGATIVE MEASURES TO MINIMIZE SOIL EROSION AND CHOKING OF
STREAMS AT JINDAL CHROMITE MINE OF JINDAL STAINLESS LIMITED UNDER CUTTACK
FOREST DIVISION.**

(As per condition No. B (xiv) (a) of the Stage-I Forest Clearance granted by MoEF & CC, Govt. of India vide F. No. 8-68/2000-FC (pt), Dated 29.03.2022)

Stage-I approval for diversion of 66.20 ha of Forest Land for use of non-forest purpose in respect to Jindal Chromite Mine has been accorded vide F. No. 8-68/2000-FC (pt), Dated 29.03.2022 of Ministry of Environment, Forests & Climate Change subject to fulfillment of certain conditions:

As per condition No. B (xiv) (a) of the Stage-I approval, the User Agency shall take up *"Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three years with effect from the issue of Stage-II clearance in accordance with the approved plan in consultation with the State Forest Department"* at the project cost.

In compliance with the above condition, a comprehensive scheme is prepared for implementation of the same in the ML area of the above said Mines.

The said ML area finds place within the Latitudes: $21^{\circ} 01' 50.68''$ (ML Boundary pillar No. J8) - $21^{\circ} 02' 03.5''$ (ML Boundary pillar No. J1) North and Longitudes: $85^{\circ} 45' 39.48''$ (ML Boundary pillar No. J8) - $85^{\circ} 45' 30.76''$ (ML Boundary pillar No. J1) East in the Survey of India Topo Sheet bearing No. F45N16. The area exhibits an undulated topography with varying elevations from ± 121 meters to ± 105 meters above Mean Sea Level (AMSL). The ML area bears a common boundary with Kaliapani Chromite Mine (Balasore Alloys Limited) in East and Sukinda Chromite Mines of TSML in west, and Nigiri Mahagiri Hill Ranges towards south of the ML area.

The mining and ancillary activities may convert this area prone to soil erosion by creating reefs and gullies on mined out pit benches, haul roads, on the surface-soil and on the bank of the natural streams. Such gullies eventually may widen and occupy large tract of the slope and cause considerable soil loss and flooding the valley bottom with considerable siltation. During rains, the exposed soil will not allow percolation of rainwater to charge the ground water table. Consequently, the seasonal streams may not flow all the time. Therefore, it is essential to treat the area with strategic soil and moisture conservation measures to mitigate the adverse impact of mining.

In addition to the engineering structures, the vegetative cover in barren areas proves to be very effective in preventing soil erosion.

JSL has already constructed adequate retaining wall of 1087 mtr around the waste dump and Garland drains of 2815 mtr. around the waste dump and side of haul road. Further to stabilise the waste dump JSL has already covered with plantation over 12.08 ha area and the remaining area in the dump, whenever saturated will be taken for plantation in progressive and phased manner. In addition to this, to cover the entire dump, 400 mtr of retaining wall and 1200 mtr. of Garland Drain as well as 01nos.(One) of settling tank proposed to be constructed to check the soil erosion and choking of streams.

FACTORS RESPONSIBLE FOR SOIL EROSION AND CHOKING OF STREAMS

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

OBJECTIVE OF THE SCHEME:

The objectives of the proposed scheme are as follows:

- a) In compliance with the stipulated condition No. B xiv (a) of the Stage – I Forest Clearance approval issued by MoEF & CC, New Delhi, Government of India.
- b) Prevention of erosion of loose materials from OB dump may have chance to choke the natural streams.
- c) Proper Management of overburden materials so as to prevent siltation in the streams.
- d) Prevention of overflow of eroded soils from the mining areas, natural streams.

PROPOSED METHODOLOGY

To achieve the above objectives, it has been proposed to take up both biological and structural works for soil and water conservation. The vegetative measures are to be adopted mostly in the upper reaches & around O.B dump sites whereas the structural works are suggested in the lower reaches such as in the garland drain around the dumps and road sides. As per the current practice, check dams (wherever

needed), are constructed across the contour of seasonal streams arising from the up-slope areas to arrest the sediment load to prevent choking of streams followed by de-silting, before monsoon.

The following activities are proposed to be taken up to mitigate soil erosion and choking of streams:

- a) There are no seasonal streams inside the M.I. boundary.
- b) Erosion from O.B. dump slope areas shall be controlled by providing retaining walls, garland drains, loose boulder structures, settling tanks etc along with plantation. The main purpose of the works is to control soil erosion from OB dump and minerals stock piles etc.

In addition to the engineering structures, the vegetative cover on areas susceptible to erosion proves to be very effective in preventing soil erosion.

Separate schemes, to plant "Drought Hardy Species" within M.I. area is being prepared to arrest soil erosion. For construction of Check Dam, Retention/Toe walls to arrest sliding down of excavated material, and to stabilize OB-dump have been prepared. There is about 1.30 ha. area which is suitable for plantation inside the Mining Lease. Soil & Moisture Conservation measures shall be done by constructing Loose Boulder Check Dams in the gullies and small streams in the mining lease area. The Check Dams have been constructed at about every 25 mtr. interval of garland drain and proposed to construct about 200 running mtr. / 80 nos.(approx) of check dams across the garland drain.

Since Loose Boulder Check Dams may be varying in length depending upon the size of gullies, estimate has been prepared to arrive an average cost per meter of Loose Boulder Check Dam.

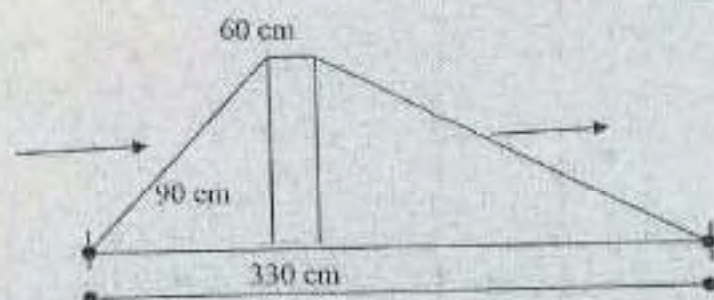
Estimate for Loose Boulder Check Dam is enclosed as **Annexure-I**.

LOOSE BOULDER CHECK DAMS IN GULLIES:

Loose Boulder Check Dams should be constructed on the following principles:-

- Height of the dam should be the height of the bank or 9ft whichever is higher.
- Series of check dams should be constructed on the gullies. Bottom level of Check Dam situated on higher slope and top level of the Check Dam located downstream should be same.
- Check Dam or any Soil Conservation Measure should start from the top where the erosion starts and move downwards.
- Check Dam should be constructed where the gullies are narrow and the bank is suitably having strength. The tendency of constructing big check dams, at wide and accessible points should be avoided.
- For construction of loose boulder check dams, as far as larger size stones to be used to fit the proposed design and small stones shall be used to fill interstices to make the structure stable.
- If possible, the construction of loose boulder check dams should be done before plantation is taken up in the area to prevent damage of planted seedlings.

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



➤ Volume of stone work, as per the Cross section of check dam is sq.mtr x length of check dam in mtr. For example, as per the drawing shown above, the volume calculation for a 2.5 mtr long check dam will be as under:

Cross section:

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

Super structure $(3.3\text{m} + 0.6 \text{ m})/2 \times 0.9\text{m} = 1.755 \text{ sq.mtr}$

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

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

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

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

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

INSPECTION, MONITORING AND EVALUATION

For successful implementation of the above mitigative measures, adequate inspection and technical guidance should be done by the concerned technical wing of the User Agency. The work will also be inspected and evaluated by Officers of Forest Department and MoEF & CC.

EXECUTING AGENCY

The works in the present Scheme shall be executed by the User Agency

FINANCIAL OUTLAY

The total cost of the implementation of mitigative measures Shall be **Rs 6,40,000.00** (Rupees Six Lakh Forty Thousand only) only as shown in **Annexure-II** for implementation of the above mitigation measures.


Divisional Forest Officer
Cuttack Forest Division

Estimate for Loose Boulder Check Dam of length 2.5 mtr

Foundation and apron 25 cm thick.

Top width 60 cm

Height of check dam above the foundation is 90 cm.

Uphill side width 90 cm.

Downhill side width 180 cm.

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

Analysis of Rate:

Particulars of work	No./ Quantity	Rate	Amount
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth (per 100 cum.)	43	326.00	14018.00
Mulla			280.36
2% sundries and T & P etc.	Total		14298.36
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Granite broken stone 1 cum.	1	507.96	507.96
Mason (Special)	0.17	476.00	80.92
Stone packer	0.35	366.00	128.10
Mulla	1.04	326.00	339.04
2% sundries, T & P etc.			20.78
	Total		1076.80

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

Particulars of work	Volume	Rate in Rupees	Total amount in Rupees
Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth			
Dressing the side of banks and foundation on L.S	L.S	200.00	200.00
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Rough stone dry packing in aprons and revetments with hard granite stones (15 to 30 cm size) per cum			
Foundation 4.5 mtr x 0.25 mtr = 1.125 sq.m			
Super structure (3.3mx0.6m)/2x 0.9m=1.755 sq.m			
1.755 sq. mtr + 1.125 sq.mtr = 2.88 sq.mtr			
Volume = 2.88 sq mtr x 2.5 mtr = 7.2 cu.m	7.2 cu.m	1076.80	7752.96
Total			7952.96

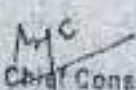
Cost per running meter of L.B.C.D of 90 cm height = Rs 7952.96/2.5= Rs. 3181.28 or say Rs.3200/-

TOTAL COST OF THE PROJECT

Description of the Work	Fund Required (in Rs.)
Loose Boulder Check Dams over 200 Running Metres in gullies and streams within the mining lease area @ Rs 3200.00 per Metre.	6,40,000.00
Total	6,40,000.00
Rupees Six Lakh Forty Thousand only	


District Forest Officer
Cuttack Forest Division

Approved - Rs 6,40,000/-


Regional Chief Conservator
of Forests, Angul Circle.



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE,
A.T/O. HAKIMPADA, ANGUL - 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res).

Email Id: rcf.angul@gmail.com

Memo No. 3810 / SF.FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Subj:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
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2	A(x)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,600/-
3	B(xiv) (a)	Mitigative measures to minimize soil erosion and chocking of streams.	6,40,000/-
4	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6	B(xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7	B(xiv) (e)	Management of Top soil.	3,54,420/-
8	B(xv) (a)	Safety zone area over 1.899 ha.	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

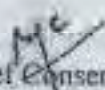
Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 dated 06-8-22


Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Division) and Nodal Officer, FC Act, Office of the Principal Chief Conservator of Forests & HoFE Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022. of the DFO, Cuttack Division.

Encl. As above.


Regional Chief Conservator of Forests
Angul.

Memo No. 3312 dated 06-8-22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless limited, Kaliapani, Jajpur for information and necessary action.


Regional Chief Conservator of Forests
Angul.

SCHEME
FOR
PLANTING OF DROUGHT HARDY PLANT
SPECIES
AND
SOWING OF SEEDS
IN
THE APPROPRIATE AREA WITHIN
THE MINING LEASE
TO
ARREST SOIL EROSION
IN LIEU OF
JINDAL CHROMITE MINES
OF
M/S- JINDAL STAINLESS LIMITED
UNDER
CUTTACK FOREST DIVISION

(In compliance to the condition No.8 (xiv) (b) of the Stage-I Forest Clearance granted by
MoEF & CC, Govt. of India vide F.No.8-58/2000-FC (pt) date 29.03.2022)

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

(As per condition No. 8 (xiv) (b) of the Stage-I Forest Clearance granted by MoEF & CC,
Govt. of India vide F.No.8-68/2000-FC (pt) date 29.03.2022)

1. INTRODUCTION

Stage-I F.C. approval for diversion of balance forest land of 66.20 ha for use of non-forest purpose in respect to Jindal Chromite Mine of Jindal Stainless Limited has been accorded vide F.No.8-68/2000-FC (pt) date: 29.03.2022 of Ministry of Environment, Forests & Climate Change subject to fulfillment of certain conditions:

As per condition No. 8 (xiv) (b) of the Stage-I approval, the User Agency shall take up *"Planting of adequate drought hardy plant species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme"* at the project cost. In compliance with this condition, a comprehensive Scheme is prepared for implementation of the same over the entire area of the said mining lease.

The said ML area finds place within the Latitudes: $21^{\circ} 01'50.68''$ (ML Boundary pillar No. 38) – $21^{\circ} 02'03.5''$ (ML Boundary pillar No. 31) North and Longitudes: $85^{\circ} 45'39.48''$ (ML Boundary pillar No. 38) – $85^{\circ} 45'30.76''$ (ML Boundary pillar No. 31) East in the Survey of India Topo Sheet bearing No.-F45N16. The area exhibits an undulated topography with varying elevations from ± 171 meters to ± 305 meters above Mean Sea Level (AMSL).

The Mines forms a part of Sukinda Ultramafic Complex which is the largest Chromite deposit of India.

The ML area bears a common boundary with Kaliapani Chromite Mine (Batasore Alloys Limited) in East Sukinda Chromite Mines of TSML in the west, and the Mahagiri Hill Ranges towards south of the ML area.

Jindal Chromite Mines over an area of 89.0 ha for extraction of chrome ore and for captive use of Jindal Stainless Limited. It is situated in Sukinda valley. It is flanked by Daltari hill range on the North and Mahagiri hill range on the south. The altitude within the lease area ranges between ± 120 m to ± 305 m above mean sea level. The area represents an undulating topography, sloping towards the west. The bottom and top RL of the hillock in the southern portion of the lease area are ± 170 m and ± 305 m respectively. The land within the lease area is mostly covered with lateritic soil with no settlements.

The mines has two nos of Quarries and two nos. of designated Dumps as well as one Beneficiation plant to upgrade the low-grade ore. The finished ore is being stacked in Mineral stack yard located at earmarked site of the Mine. After obtaining statutory permission from Department of Mines, Govt. of Odisha, finished ore and beneficiated ore shall be despatched to its own captive Plant.

The mining and ancillary activities may prone to intensive soil erosion by creating reefs and gullies on mined out pit benches, on the surface of O.B. dump, on the shoulder of haul roads, on the and on the bank of the natural streams. Such gullies may widen and occupy large tract of the slope and cause heavy soil loss and flooding the valley bottom with considerable siltation. This may result prone to soil erosion. During rains, the exposed soil may not allow percolation of rainwater to charge the groundwater table. Consequently, the seasonal may affects the perennial flow of the stream.

Therefore, it is essential to treat the area with adequate soil and moisture conservation measures to mitigate the impacts of Mining activities.

Out of 29.00ha of ML area, about 81.66 ha is under utilisation for different mining activities, 5.04 ha area is being maintained as Safety Zone and 2.30ha area is virgin forest area at forest block no. 27 of Mahagiri Hill. A separate Scheme for afforestation in Safety Zone area and Non-mineralised virgin Forest land area have been prepared. Since most of the areas will be utilized for mining and ancillary purposes, there is only scope for taking up block plantation over an area of 1.30 ha on a part of inactive dump.

Out of Total Dump area of 28.377 ha, Plantation has already been carried out over 12.08 ha area and balance 11.848 ha dump area is active & dumping is going on, another 4.449 ha area is kept for movement of water tankers, hence at present only 1.30 ha area proposed for plantation at dump slope and part thereof whenever shall be saturated to be taken for plantation in progressive and phased manner.

In addition to the engineering structures, the vegetative cover to be made on areas susceptible to erosion which is very effective in preventing soil erosion.

Map of the proposed plantation area is given as Plate-I.

Species selected for plantation shall be "drought hardy" and fast growing in nature.

The species selected will be from among the following:

Common Name	Scientific name	Family
Neem	<i>Azadirachta indica</i>	Meliaceae
Karanja	<i>Pongamia pinnata</i>	Fabaceae
Dhamara	<i>Grewia tilifolia</i>	Tiliaceae
Banyan	<i>Ficus Benghalensis</i>	Moraceae
Aswatha	<i>Ficus religiosa</i>	Moraceae

Pre-planting, planting and post planting operations shall be carried out as per *silvicultural* practices enumerated in the State Govt. approved cost norms and having Pit size of 45 cm X 45 cm X 45 cm to be dug out to carry out plantation.

Cost norm for plantation is given at Annexure-I.


Inside the mining lease area for sowing of seeds about 1.30 ha for sowing of seeds.

Execution of work:

Since the work will be done within mining lease area, it will be executed by the User Agency.

Financial outlay:

The total financial outlay for proposed plantation of "drought hardy species" comes to Rs 13,89,665.00 (Rupees Thirteen Lakh Eighty-Nine Thousand Six Hundred Sixty-Five) only as shown in Annexure-II.


Divisional Forest Officer
Cuttack Division

BASE COST NORM FOR AFFORESTATION (AR PLANTATION)
@ 1400 PLANTS PER HECTARE (18 Months old seedling)

1. MODEL	BLOCK
2. NO. OF PLANTS PER HA.	1400
3. TOTAL AREA TO BE PLANTED (in HA.)	1.3
4. SPACING TO BE ADOPTED	2.00m x 2.50m
5. TOTAL NOS. OF PLANTS TO BE PLANTED	2,030
6. Wage Rate (Per MD)	324.00

Sl. No.	Item of Work	Period of execution	Man-days	Labour Cost @ Rs. 324/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Piler Posting	Nov/Dec	2	652.00	0	652.00
2	Preparation of Topographical Map (Digital Map)	Nov/Dec	1	324.00	100	424.00
3	Site preparation (Clearing & removal of debris)	Nov/Dec	72	23328.00	0	23328.00
4	Construction of 4.00 m wide Impervious Pail	Feb/Mar	1	324.00	0	324.00
5	Alignment and staking of pits	Feb/Mar	2	652.00	0	652.00
6	Digging of pits 145 cm x 45 cm x 45 cm in hard & stony soil	Feb/Mar	84	27216.00	0	27216.00
7	Construction of Temporary Labour Shack, Drinking water facility and First Aid etc.	April	1	324.00	2400	2724.00
	Total:-		82	26,732.00	2,600.00	30,332.00
8	Marking, Evaluation, weeding, Documentation & any other Contingency upto 5% of the total cost					1517
	Grand Total:-					31,849.00
1st Year Planting Year						
1	Working of soil by stirring the surface soil of the pits, application of Organic manure/compost/ GMY FYM & mixing the same properly	Jan/Feb	12	3888.00	8000.00	11,912.00
2	Translocation of 18 months old polyplot seedlings in hard wood/ bamboo from the Permanent Nucleus nursery to planting the respective holding & spreading (Arisea wood of 10-15cm) & stacking the seedlings @ Rs. 6/- per Seedling. (1100 nos.)	July/Aug	0	0.00	6600.00	6600.00
3	Watering the polyplot seedlings at planting site	July/Aug	3	972.00	0.00	972.00
4	Conveyance of polyplot seedlings on field road from the stacking site to individual dig out pits within the planting site, applying insecticide, fertilizers & planting after soaking the soil with other applied manure & pressing the soil properly around the planted seedlings	July/Aug	40	12960.00	0.00	12960.00
5	Cost of Fertilizer & Insecticide:- (a) NPK / Bio-fertilizer @ 50 gram plant as basal dose = 50 kg @ Rs 30/- per kg = Rs 1500.00 (b) Urea/ Vermicompost/ Mo. Khattar any other fertilizer in two subsequent doses @ Rs 750.00 (c) Insecticide Bio-pesticide @ 5 gram plant = 5 kg @ Rs 150/- per kg = Rs. 750.00	July/Aug	0	0.00	4000.00	4000.00
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	4	1304.00	0.00	1304.00
7	1st Weeding & Manuring	Aug/Sep	15	4860.00	0.00	4860.00

8	2nd Weeding, Soil working (1mt. Diameter around the plants) and Mulching	Oct/Nov	20	6,520.00	0.00	6,520.00
9	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	575.00	0.00	575.00
10	Water & Weed including watering as per requirement	Apr/May	32	3,912.00	0.00	3,912.00
	Total:-		105	14,230	23360	57,590.00
11	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					2,860.00
	Grand Total:-					60470
2nd Year Maintenance						
1	Transportation of 100 seedlings from Nursery to plantation site including loading, unloading & conveyance by tractor @ Rs.60 per seedling	Jul	0	0.00	300.00	300.00
2	Cost of Fertilizer @ 15%	Jul	4	1,304.00	0.00	1,304.00
3	Cost of Fertilizer & Insecticide:- (A) Cost of Insecticide Res-peritol @ 5 gms/plot = 0.5 kg @ Rs.150/- per kg = Rs.75/- (B) Urea NPK 20-20-20/Verminex/ Mo-Robal any other fertilizer @ Rs.2200/-	Aug/Sept	0	0.00	4,600.00	4,600.00
4	Weeding (Complete weeding), Manuring & Soil working (1mt. Diameter around the plants)	Sept/Oct	20	12,500.00	0.00	12,500.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	575.00	0.00	575.00
6	Water & Weed including watering as per requirement	Apr/May	10	5,808.00	0.00	5,808.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	Total:-		45	14670	6,565.00	21236
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					1062
	Grand Total:-					22298
3rd Year Maintenance						
1	Cost of fertilizer (Urea NPK/ Bio-fertilizer/ Vermicompost/ Mo-Khalaf any other fertilizer)	Sept/Oct	0	0.00	4,400.00	4,400.00
2	Weeding, Manuring & Soil working (1mt. Diameter around the plants)	Sept/Oct	20	6,520.00	0.00	6,520.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	575.00	0.00	575.00
4	Water & Weed including watering as per requirement	Apr/May	14	5,808.00	0.00	5,808.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr/May			1,000.00	1,000.00
	Total:-		41	12,966.00	6,400.00	18,552.00
6	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					543
	Grand Total:-					19,795.00
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	575.00	0.00	575.00
2	Water & Weed including maintenance of feeding	Apr/May	18	5,808.00	0.00	5,808.00
	Total:-		21	6,383.00	0	6,383.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00

5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		21	6,440.00	0	6,440.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Pruning of branches, Staging out of multiple plots	Jan-Mar	5	1,600.00	0.00	1,600.00
3	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		25	8,476.00	0	8,476.00
4	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					424
	Grand Total:-					8,900.00
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		21	6,440.00	0	6,440.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		21	6,440.00	0	6,440.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		21	6,440.00	0	6,440.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	575.00	0.00	575.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	16	5,865.00	0.00	5,865.00
	Total:-		21	6,440.00	0	6,440.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00

TOTAL COST FOR 1 HA.						
Sl. No.	Year	No. person days	Labour Cost @ Rs.320/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.52.1771/- per seedlings
						Total Cost (Rs.)
1	0th year	49	15680	240	1517	0
2	1st year	105	33600	12000	2880	91631.30
3	2nd year	45	14400	2000	1052	2346.34
4	3rd year	41	13120	5000	943	0
5	4th year	21	6720	0	342	0
6	5th year	21	6720	0	342	0
7	6th year	21	6720	0	342	0
8	7th year	21	6720	0	342	0
9	8th year	21	6720	0	342	0
10	9th year	21	6720	0	342	0
11	10th year	21	6720	0	342	0
	Total	425	1,38,560.00	39,012.00	8,875.00	1,00,180.00
						2,86,624.61

TOTAL PROJECT COST FOR 1.3 HA.						
Sl. No.	Year	No. Manikya	Labour Cost @ Rs.320/-	Material Cost (Rs.)	MEL & Other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.52.1771/- per seedlings
						Total Cost (Rs.)
1	0th year	105.00	33600.00	240.00	1672.10	0
2	1st year	126.50	40500.00	12000.00	3724.60	91631.30
3	2nd year	52.50	16800.00	2000.00	1380.00	2346.34
4	3rd year	53.50	17120.00	2121.30	1225.50	0
5	4th year	27.25	8760.00	0	444.00	0
6	5th year	27.25	8760.00	0	444.00	0
7	6th year	27.25	8760.00	0	444.00	0
8	7th year	27.25	8760.00	0	444.00	0
9	8th year	27.25	8760.00	0	444.00	0
10	9th year	27.25	8760.00	0	444.00	0
11	10th year	27.25	8760.00	0	444.00	0
	Grand Total:-	552.00	1,50,115.00	50,715.00	11,541.40	1,30,234.04
	OR		1,80,115.00	50,715.00	11,541.40	1,30,234.04
						3,72,606.00

(Rupees Three Lakh Seventy-Two Thousand Six Hundred Six) Only

Model for Model-1-A Conventional Plantation (AP) 1000 plantations

Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Year	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1989	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	286030
1990	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	321000
1991	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	337995
1992	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	354895
1993	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	372639
1994	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	391271
1995	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	410895
1996	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	431377
1997	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	452946
1998	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	475583
1999	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	499373
2000	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	524373
2001	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	550573
2002	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	578073
2003	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	606973
2004	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	637273
2005	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	669073
2006	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	702373
2007	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	737173
2008	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	763473
2009	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	791273
2010	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	820573
2011	51849	152302	30646	19795	7188	7188	8090	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	7188	851373

SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1600 Plants/Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBUD, Wire mesh LBUD, Sub surface Dyke & WTS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 226/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 1.30 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	26279.50	26,279.50
3	2 nd Year	0	0.00	3941.60	3,941.60
4	3 rd Year	0	0.00	3941.60	3,941.60
5	4 th Year	0	0.00	3941.60	3,941.60
6	5 th Year	0	0.00	3941.60	3,941.60
	Total	0	0.00	42045.90	42,045.90
	OR				42,046.00

(Rupees Forty-Two Thousand Forty-Six)only

Matrix for (SMIC) over 1 Ha.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm	0	20215	3033	5032	3032	3032																	33343
1	2021-22	0	21226	3343	3510	3685	3870																35634
2	2022-23	0		22257	3518	3685	3870	4063															37415
3	2023-24			0	23406	3685	3870	4063	4266														39286
4	2024-25				0	24571	3870	4063	4266	4480													41250
5	2025-26					0	25800	4063	4266	4480	4704												43313
6	2026-27						0	27090	4266	4480	4704	4939	5186										45478
7	2027-28							0	28445	4480	4704	4939	5186	5445									47752
8	2028-29								0	29857	4704	4939	5186	5445	5717								50140
9	2029-30									0	31380	4939	5186	5445	5717	6003							52647
10	2030-31										0	32928	5186	5445	5717	6003							55279

Water Model-W-II		
Water provision to Plantation		
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-		
Year of Installation (0 th Year)		
1	Cost of Bore well	1,50,000.00
2	Cost of Diesel pump Set 5 HP	60,000.00
3	Diesel pump set & accessories like	30,000.00
4	Water Storage Tanks/ Flexible pipes	15,000.00
	Total	2,55,000.00
Cost of Water per Plant (2,55,000/5000)=Rs.51/-		51,000.00
Cost of Water per Ha.=Rs.51,000/-		
1 st Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days rotation 32 MD* 3 Month=160 MDx326=	52,160.00
	Total	73,160.00
2 nd Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days rotation 32 MD* 3 Month=256MDx326=	83,456.00
	Total	1,12,106.00
3 rd Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days rotation 32 MD* 3 Month=256MDx326=	83,456.00
	Total	1,12,106.00
4 th Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days rotation 32 MD* 3 Month=256MDx326=	83,456.00
	Total	1,12,106.00
5 th Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days rotation 32 MD* 3 Month=256MDx326=	83,456.00
	Total	1,12,106.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	160	52,160.00	21,000.00	73,160.00
3	2 nd Year	256	83,456.00	28,650.00	1,12,106.00
4	3 rd Year	256	83,456.00	28,650.00	1,12,106.00
5	4 th Year	256	83,456.00	28,650.00	1,12,106.00
6	5 th Year	256	83,456.00	28,650.00	1,12,106.00
Total		1184	3,85,984.00	1,86,600.00	5,72,584.00

Abstract for 1.30 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0.0	0.00	66,300.00	66,300.00
2	1 st Year	208.0	67808.00	27,300.00	95,108.00
3	2 nd Year	332.8	108492.80	37,245.00	1,45,737.80
4	3 rd Year	332.8	108492.80	37,245.00	1,45,737.80
5	4 th Year	332.8	108492.80	37,245.00	1,45,737.80
6	5 th Year	332.8	108492.80	37,245.00	1,45,737.80
Total		1539.2	5,01,779.20	2,42,580.00	7,44,359.20
OR			5,01,779.00	2,42,580.00	7,44,359.00

(Rupees Seven Lakh Forty-Four Thousand Three Hundred Fifty-Nine)Only

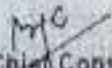
**Total Project Cost for Planting of Drought Hardy Plant Species & Sowing of seeds
over 1.30 ha in Jindal Chromite Mines of M/s Jindal Stainless Ltd.
under Cuttack Forest Division.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1600 Plants/ Ha.) over 1.30 Ha @3,37,995/Ha	Rs.4,39,393.50
2	Watering Model-II (Diesel Pump set Fitted with Bore well) over 1.30 Ha @6,93,563/Ha	Rs.9,01,631.90
4	Soil Moisture Conservation cost over 1.30 Ha @37,415/Ha	Rs.48,639.50
	Grand Total	Rs.13,89,664.90
		Or Rs.13,89,665.00

(Rupees Thirteen Lakh Eighty-Nine Thousand Six Hundred Sixty-Five) Only


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Approved for Rs.13,89,665/-


Regional Chief Conservator
of Forests, Angul Circle.



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759143, ODISHA, Phone-06764-296010 (O), 296011 (Res),
Email Id: rcf.angul@gmail.com.

Memo No. 3310 / SP.FC-18/2022 Dated. 06-8-22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kalipani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. **Approval of schemes.**

Ref:- Your Memo No. 4272 dated 04.07.2022.

The following schemes submitted vide your Memo under reference are approved by the undersigned at the wage rate of Rs.326/- per man-day and returned herewith in one set of the approved scheme for needful action.

Sl. No.	Condition No	Name of the scheme	Financial outlay. (Rs.)
1	A(vi)	Afforestation of non-mineralized virgin forest land within the mining area.	12,77,229/-
2	A(s)	De-silting of existing village tanks and other water bodies located within 5 Km from ML boundary.	37,26,000/-
3	B(xiv) (a)	Mitigative measures to minimize soil erosion and chocking of streams.	6,40,000/-
4	B(xiv) (b)	Planting of adequate drought hardy plants species and sowing of seeds in the appropriate area within the mining lease to arrest soil erosion.	13,89,665/-
5	B(xiv) (c)	Construction of Check Dams, retention / toe walls to arrest sliding down of the excavated material along the contour.	16,03,505/-
6	B(xiv) (d)	Stabilization and reclamation of Over Burden Dump area by appropriate grading / benching in accordance with the approval scheme so as to ensure that angles of repose at any given place is less than 28°.	1,26,67,330/-
7	B(xiv) (e)	Management of Top soil.	3,54,420/-
8	B(xv) (a)	Safety zone area over 1.899 ha	20,29,980/-

You are requested to submit point-wise compliance on the stipulated condition imposed in stage-I approval order to this office immediately for further action.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3311 dated 06-8-22

Copy along with copy of the above approved scheme each in one set forwarded to the Chief Conservator of Forests (Forest Division) and Nodal Officer, PC Act, Office of the Principal Chief Conservator of Forests & HoF, Odisha for favour of information and necessary action with reference to Memo No.4277 dated 04.07.2022. of the DFO, Cuttack Division.

Encl: As above.

MC
Regional Chief Conservator of Forests
Angul.

Memo No. 3312 dated 06-8-22

Copy forwarded to the Authorised Signatory, Hindal Chromite Mines of M/s. Hindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

MC
Regional Chief Conservator of Forests
Angul

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

IN

JINDAL CHROMITE MINES
OF
JINDAL STAINLESS LIMITED
UNDER
CUTTACK FOREST DIVISION

[Compliance to the condition No.8(xiv)(c) of the Stage-I Forest Clearance
granted by MoEF & CC, Govt. of India vide F. No. 8-68/2000-FC (pt), Dt. 29.03.2022]

SITE SPECIFIC SCHEME FOR CONSTRUCTION OF CHECK DAMS, RETENTION / TOE WALLS TO ARREST SLIDING DOWN OF THE EXCAVATED MATERIAL ALONG THE CONTOUR WITHIN JINDAL CHROMITE MINES OF JINDAL STAINLESS LIMITED IN JAJPUR DISTRICT UNDER CUTTACK FOREST DIVISION.

1. INTRODUCTION.

Stage-I F.C. approval for diversion of balance forest land over 56.20ha. for use of non-forest purpose in respect to Jindal Chromite Mines of Jindal Stainless Limited has been accorded vide F.No.2-68/2000-FC(PL), Dt. 29.03.2022 by Ministry of Environment, Forests & Climate Change subject to fulfilment of certain conditions:

As per condition No. II (xiv) (c) of the Stage-I F.C. approval, the User Agency shall take up *"Construction of check dams, retention/toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme"* at project cost.

In compliance with this condition, a comprehensive scheme is prepared for implementation of the same in the entire area of the said mining lease.

Dumping of overburden is done in retreating method. Since the material is loose type in nature so it is susceptible to erosion. The natural slope being steep, it will contaminate the streams down the hill with sediments during the rain. In order to protect the dump, it is designed in such a manner that the wash-out should be minimum. Terrace of 20 mtr height with up to 2:1 slopes are effective. Garland drain and Retaining wall at the toe of the dump is planned and constructed to minimize the soil erosion. The drain is planned to be maintained in regular interval. It is planned, in addition to the engineering design, vegetative protection of the dump surface by plantation, once the dump is declared saturated. At the conceptual stage, the dump yard becomes stable with good forest growth over it which resembles like original vegetative cover.

51.7m already constructed retaining wall of about 1087 mtr around the waste dump along with Garland drain of 2815 mtr including side of Haul road. The entire dump, about 400 mtr of retaining wall as well as 1300 mtr. of Garland Drain and 01nos. of settling tank are proposed to arrest sliding down of the excavated material along the contour Retaining Wall.

The downward contour of the dump shall be provided with the retaining wall and garland drain. The details are as follows:

- (i) It has been proposed to construct 400 mtr of crated boulder masonry around the proposed OB dump. The masonry will be constructed by using wire mesh and small size Stones. The dimension of the engineering structure shall be 1mtr x 1mtr x 1mtr. This will prevent the sliding down of the excavated material.
- (ii) The overburden shall be dumped over an area of 36.396 ha till the conceptual period. During heavy rain the over burden may likely to be washed out and flow down words to the valley.

Therefore, dump stabilization is to be planned and executed on priority basis. It is proposed to construct garland drains of size 2 mtr x 1.5 mtr around the proposed OB dump over a length of about 240meter on the outer side of the retaining wall. The estimated cost of excavation of garland drain has been estimated to be Rs 13,711.20 (Annexure-II).


Excavation of Settling Ponds near toe of the OB dump: It is proposed to excavate 1 nos of settling pond near the toe of the proposed OB dump with dry masonry wall to arrest the silt laden water from the garland drains and helps in sedimentation of residues and allows to flow of water. The size of the pond shall be 15 mtr x 10 mtr x 2 mtr in depth. These ponds are proposed to be cleaned on regular intervals. The sketch of plan and cross section of the settling ponds are being shown as under:

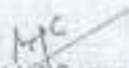
The proposed ponds are to be dug out by the side of garland drain. The estimated cost for this work is to be Rs. 25,493.00 (Annexure-III).

FINANCIAL FORECAST

Sl. No.	Particulars of interventions	Quantity	Financial involvement (Rs)
1	Development of crated boulder masonry wall.	400 mtr	15,60,873.60
2	Excavation of garland drain	240 mtr	17,189.00
3	Excavation of settling ponds.	1 No	25,493.00
Total			16,03,505.60

The above item of works amounting Rs -16,03,505.00 (Rupees Sixteen Lakhs Three Thousand Five Hundred and Six only) shall be taken up to safeguard sliding down material from the dump and protect the water bodies.


Divisional Forest Officer
Cuttack Division

Approved & Rs 16,03,505/-

Regional Chief Conservator
of Forests, Angul Circle.

Annexure-I

A. Development of crate boulder masonry near proposed OB dump
(Length of the wall = 400 mtr.)

1) E/W excavation by mechanical means.

Qty. 400 mtr x 2 mtr x 0.3 mtr = 240 Cum
Expenses for excavation = 240 Cum @ Rs. 66.39 = Rs. 15,933.60

2) Providing crate boulder

Bottom layer: 400m x 1.5m x 1.00 = 600.00 Cum
Second layer: 400m x 1.00m x 1.00m = 400.00 Cum
1000.00 Cum
@ Rs. 1544.94/Cum = Rs. 15,44,940.00
Total = Rs. 15,60,873.60

Annexure-II

B. Excavation of Earthen drain (Garland drain) near proposed OB dump

1) E/W excavation by mechanical means.

15mtr x 10 mtr x 2 mtr = 300.00 Cum
= 300.00 Cum @ Rs. 57.33/cum = Rs. 17,139.00

Annexure-III

C. Excavation of Settling Pond near Toe of Proposed OB dump.

1) E/W excavation by mechanical means.

15m x 10 m x 2m = 300.00 Cum
= 300.00 Cum @ Rs. 57.13/Cum = Rs. 17139.00

2) Dry masonry wall. 1 nos. x 6.00mtr x (1.60mtr+1.00mtr)/2 x 2mtr = 15.5 Cum

Rs. 535.40/Cum = Rs. 8353.40
Rs. 25492.49
or Say Rs. 25493.00

Grand Total (A+B+C): Rs. 15,60,873.60 + Rs. 17,139.00 + Rs. 25493.00 = Rs. 16,03,505.60 or say
Rs. 16,03,506.00 (Rupees Sixteen Lakhs Three Thousand Five Hundred and Six only).

SCHEME FOR

STABILIZATION AND RECLAMATION OF OB DUMP AREA BY
APPROPRIATE GRADING/BENCHING, IN ACCORDANCE
WITH THE APPROVED SCHEME, SO AS TO ENSURE THAT
ANGLES OF REPOSE AT ANY GIVEN PLACE IS LESS THAN 28°

IN

66.20 HA OF FOREST LAND PROPOSED FOR DIVERSION OF
JINDAL CHROMITE MINES

UNDER

CUTTACK FOREST DIVISION

OF

M/s JINDAL STAINLESS LIMITED

(As per condition No. 8 (ix)(d) of the Stage-I Forest Clearance granted by MoEF & CC
vide letter No. 8-68/2000-FC (pt.), date-29.03.2022)

STABILIZATION AND RECLAMATION OF OB DUMP AREA

1. INTRODUCTION.

Government of India in the Ministry of Environment, Forest and Climate Change has granted Stage-I Forest Clearance vide letter F. No. 8-68/2000-FC (pt), date: 29.03.2022 over 66.20 ha (including Safety Zone area of 1.899 ha) under Section 2(ii) of the Forest (Conservation) Act, 1980 in respect to Jindal Chromite Mines of Jindal Stainless Limited in village Kaliapani and Forest Block No.27 of Mahagiri OPF in Sukinda Tahsil of Jajpur District under Cuttack Forest Division.

Condition No. B (xiv) (d) is as under:

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

In order to comply the condition, a comprehensive Scheme is prepared for implementation of the same within the M.L. Area.

2.0 Present Scenario:

In Jindal Chromite Mines, the tentative volume of overburden to be generated by opencast mining at the Conceptual Stage has been assessed as 2.292 million M^3 (in-situ). The Conceptual Quarry area shall cover 33.883 ha out of total lease area of 89 ha. Whereas the Conceptual OB dump area shall be 36.393 ha, in the conceptual period.

Similarly, the OB generation from the ML in conceptual period has been assessed to be 2.292 million M^3 .

To stabilise the waste dump JSL has already covered with plantation over 12.08 ha area and balance 11.680 ha dump area is presently active & dumping is going on. Another 4.449 ha area has been left for access / movement of water tankers. In a Separate scheme an area of 1.30 ha has been proposed for plantation of "drought hardy plant species" and sowing of seeds. The balance area in the dump, whenever saturated shall be taken for plantation in progressive and phased manner. To arrest the desertification and to avoid the soil erosion, JSL has already constructed about 1087 mtr of retaining wall around the waste dump along with 2815 mtr. of Garland dome & along the side of Haul road. In addition to this, to stabilise the entire dump, 400 mtr of

retaining wall and 1200 mtr. of Garland Drain and 01 nos. of settling tank has been proposed to combat to minimize the soil erosion and choking of gullies.

3.0 Salient points of waste management:

- For the management of dump, it is proposed to have terrace at every 20 mtr height from the floor level.
- Ultimate height shall be 80 mtr.
- Inward slope is to be provided so that rain water shall be channelized at the toe of dump slope. It will prevent the surface runoff from terrace to lower contour through the walls of the dump and forming gullies / rain cuts and rolling down of waste materials.
- Towards the inner side of terrace, half concrete open pipes are proposed to be installed to channelized rainwater and not allowing penetrating to inside the dump.
- Cured boulder retaining wall of 2m height (0.5m below ground + 1.5m above the ground) X 1.0m wide shall be constructed around the dump.
- Its aim is to arrest the rolling down of the waste material from the dump.
- At regular intervals clear openings are provided at the bottom of wall to allow water to pass but the water and join the Garland drains.
- Constructed retaining wall is of loose boulders.
- Garland drains around the dump will be constructed.
- At the end of the garland drain settling tanks of 15m x 10m x 2m deep is constructed to allow settling of silts.
- Slope of each terrace to be maintained $< 37^\circ$.
- Over all slope shall be $< 28^\circ$.

Anticipated fallout.

A. Failure of Dumps:

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

- Slope failure.
- Top failure.
- Base failure.

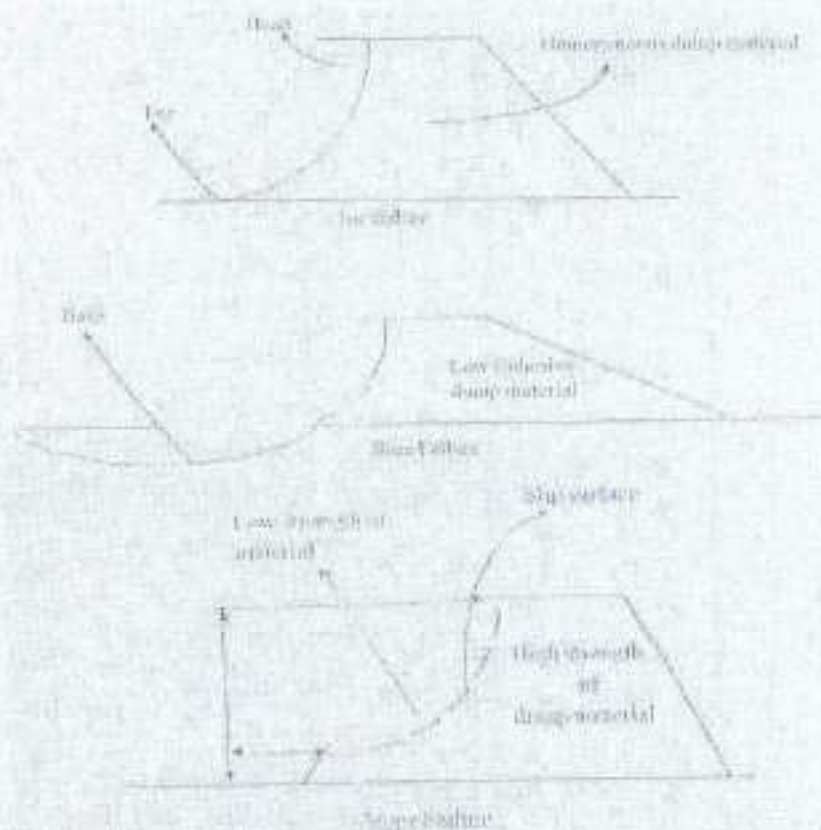


Figure 1 Dump failure line of slip.

Reasons for failure:

- i. Ground water and surface water flow condition play a critical role on the stability of dump slope. Frictional strength is reduced as the height of dump is raised due to presence of water. The pore water pressure reduces the normal stress acting on material. The cohesive strength of weak geo-material will be further reduced due to presence of pore water pressure. Waste dump placed in a loose state, shear failure is often followed by static liquefaction which reduces the strength. The flow of water may enhance the seepage force, leading to formation and migration of tension crack.
- ii. Erosion also plays an important role in affecting the stability by surface weathering, ground water or surface water seepage, toe erosion and slope modification, ground water or surface runoff. Erosion changes the waste dump slope geometry and morphological character. The weathering and attrition of material at the toe of a potential slide reduces the restraining force that may de-stabilize the slope. Erosion of void filling materials, or zone of percolation can efficiently decrease cohesion among grain boundaries. The cohesion strength notably reduces the rock mass shear strength. The decrease in the shear strength may allow movement of dump slope along the weak plane. In addition localized erosion

may also result in increase permeability and ground water flow along the slope. This may lead to failure due to formation of gullies and deep flow channels in the dump.

iii. Other affecting parameters:

- > Gradient of the Slope,
- > Ground Water Regime
- > Nature of Over burden Rock
- > Presence of Clay and Soil layers and their properties.
- > Angle of Repose of the broken Over burden rock material
- > Cohesion of the Over burden Rock materials
- > Height of OB Dump in one stretch
- > Ultimate Height and Slope of Waste Dump
- > Dump Stability Parameters Strip / Cut Width and Depth.

Dust pollution due to wind / whorl wind:

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

C. Loss of life & property.

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

Summary of prescription on Benching & Grading:

- > Bench height: 20m.
- > Bench Width: 20m
- > Number of Benches: 4
- > Over all slope: $< 28^{\circ}$.
- > Slope of each terrace: $< 37^{\circ}$.

-II Stabilization of Over Burden Dump:

After the declaration of saturation of the Over Burden dump, the same shall be covered by means of plantation in a progressive and phased manner:

4.1 By grass seeding: Grass seeding over the entire 11.85 ha of Over Burden dump shall be carried out as per Mining plan for next Five year period. After that planting of tall trees are being carried out to stabilize the Over Burden dump in progressive and phased manner.

4.2 By Planting Tall trees: After the dump became saturated and no further dumping will be carried out, Plantation over entire 11.85 ha will be taken up after stabilising the surface by planting grass in progressive and phased manner, the details of the plantation are as follows:

4.2.1 Planting & post-planting operations: Block Plantation over 11.85 ha shall be carried out @ 1600 plants / Ha. All planting & post planting measures like casualty replacement, soil working, manuring, etc

protection etc. shall be undertaken as given in Cost norm for Block plantation with 1600 seedlings / hectare as per norm furnished as Annexure-IV.

While taking up plantation, the following important points shall be taken up for consideration:

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

4.2.2 Spacing: The spacing adopted for the plantation in gaps is 2.5 mtr X 2.5 mtr. Alignment and pit marking shall be done carefully in slopes so that the horizontal distance between plants in a row remains 2.5 mtrs spacing.

4.2.3 Species: Considering the topography, soil and moisture availability of the plantation areas, the following species shall be planted:

Name of species	Common name	Remarks
<i>Alstonia scholaris</i>	Chhatian	In area with good soil depth
<i>Derris indica</i>	Karanja	In area with good soil depth
<i>Bombax ceiba</i>	Simli	In area with good soil depth
<i>Ficus benghalensis</i>	Banyan	In rocky and exposed areas
<i>Dalbergiasissoo</i>	Sissoo	In lower areas with good soil depth
<i>Gmelinaarborea</i>	Gambhari	In lower areas with good soil depth
<i>Dendrocalamus strictus</i>	Salla bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
<i>Ficus religiosa</i>	Aswatha	In rocky areas with low soil depth

5.0. Monitoring & Evaluation.

The implementation & its maintenance shall be evaluated by the User Agency regularly. The Divisional Forest Officer, Cuttack Forest Division shall be informed from time to time.

6.0 Implementing Agency.

This Plan is to be implemented by the user agency.

7.0 Financial Outlay.

Total Financial Outlay for proposed scheme comes to Rs.1,26,67,330.00 (Rupees One Crore Twenty-Six Lakh Sixty-Seven Thousand Three Hundred Thirty Only.)


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

BASE COST MORE FOR AFFORESTATION (AR PLANTATION)
@ 1000 PLANTS PER HECTARE (10 M² x 100 seedlings)

1. NO. OF PLANTS PER HA.	3,500
2. TOTAL AREA TO BE PLANTED (HA.)	11.25
3. SPACING BETWEEN PLANTS	3.0m x 2.5m
4. TOTAL NOS. OF PLANTS TO BE PLANTED	15,000
5. Stage Rate (Per MU)	320.00

Sl. No.	Item of Works	Period of execution	Units	Labour Cost @ Rs.325/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Peg Fixing	Nov/Dec	2	652.00	0	652.00
2	Preparation of Detailed Map (Digital Map)	Nov/Dec	1	325.00	100	425.00
3	Site preparation (Clearing & removal of debris)	Nov/Dec	12	3,915.00	0	3,915.00
4	Preparation of 40 cm wide irrigation Pits	Feb/Mar	5	162.50	0	162.50
5	Agreement and marking of pits	Feb/Mar	2	652.00	0	652.00
6	Spreading of 10:10:50 or 2:45:35 or 40:20:40 and 50:50:50	Feb/Mar	4A	16,484.00	0	16,484.00
7	Construction of Temporary 'Lahori' Wall, channel water facility and Field Area etc.	Jan/Feb	0	0.00	1990	1,990.00
Total:-			32	26,732.00	3,600.00	30,332.00
Grand Total:-						31,845.00
1st Year/1st Planting Year						
1	Planting of pits by sowing the regional seed of rice, application of Organic compound (GPO) FYM & leveling the sown capacity	Nov/Dec	12	3,915.00	0,000.00	11,915.00
2	Translocation of 18 months old potted seedlings in 64x60 block/ha. from the Permanent Slope nursery to planting site including watering & mulching (Average cost of 10 Pans & sowing the seedlings @ Rs. 6/- per Seedling (1500 rice)	July/Aug	0	0.00	10,560.00	10,560.00
3	Watering the potted seedlings at planting site	July/Aug	3	975.00	0.00	975.00
4	Convergence of potted seedlings in field from both the sowing site to individual dug out pits within 2w. planting site, supplying biofertilizer, vermicom & closing after weeding the soil with roller applied biofertilizer & weeding the non rapidly planted 2w-planted seedlings.	July/Aug	05	11,785.00	0.00	11,785.00
Cost of Fertilizer & Insecticide:						
(a) FPK : 1kg/ha @ Rs. 250/- per ha = Rs.250.00						
(b) Urea: 100kg/ha @ Rs. 30/- per ha = Rs.3000.00						
(c) Insecticide: 50g/ha @ Rs. 20/- per ha = Rs.1000.00						
(d) Fertilizer: 50kg/ha @ Rs. 250/- per ha = Rs.12500.00						
Total:-			0	0.00	4,860.00	4,860.00
5	CO-AMC Replacement @ 10% (100 mm)	July/Aug	4	1,304.56	0.00	1,304.56
6	1 st Year/1 st Harvest	Aug/Sep	15	4,890.00	0.00	4,890.00

1	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Oct-Nov	20	6,500.00	0.00	6,500.00
2	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Feb-Mar	2	975.00	0.00	975.00
3	Work & plant including watering as per requirement	Apr-May	10	3,910.00	0.00	3,910.00
	Total:		100	34230	20300	57,530.00
4	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost					2,800.00
	Grand Total:					60430
2nd Year Maintenance						
1	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Jul	0	0.00	900.00	900.00
2	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Jul	4	1,304.00	0.00	1,304.00
3	Work & plant including watering as per requirement	Aug-Sep	5	0.00	4,500.00	4,500.00
4	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost	Oct-Nov	20	6,520.00	0.00	6,520.00
5	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Feb-Mar	2	475.00	0.00	475.00
6	Work & plant including watering as per requirement	Apr-May	10	3,055.00	0.00	3,055.00
7	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost				1,000.00	1,000.00
	Total:		45	14970	5,500.00	21230
8	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost					1000
	Grand Total:					22230
3rd Year Maintenance						
1	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Oct-Nov	0	0.00	4,400.00	4,400.00
2	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Dec-Jan	20	6,300.00	0.00	6,300.00
3	Work & plant including watering as per requirement	Feb-Mar	2	975.00	0.00	975.00
4	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost	Apr-May	10	3,055.00	0.00	3,055.00
5	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Jun-Jul	4	1,304.00	0.00	1,304.00
6	Work & plant including watering as per requirement	Aug-Sep	5	0.00	4,500.00	4,500.00
7	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost				1,000.00	1,000.00
	Total:		41	13,355.00	5,400.00	18,755.00
8	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost					943
	Grand Total:					19,755.00
4th Year Maintenance						
1	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Feb-Mar	0	975.00	0.00	975.00
2	For the building (2 m wide the two over 400 m long) including maintenance of inspection path	Apr-May	10	3,055.00	0.00	3,055.00
	Total:		21	4,030.00	0.00	4,030.00
3	Provision, provision, training, documentation & any other Contingency upto 5% of the total cost					242
	Grand Total:					7,150.00

5th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Watch & Ward including maintenance of fencing	Apr-May	16	5,800.00	0.00	5,800.00
	Total:		21	6,675.00	0	6,675.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					343
	Grand Total:					7,168.00
6th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Planning of activities, bringing out of material goods	Jan-Mar	9	1,500.00	0.00	1,500.00
3	Watch & Ward including maintenance of fencing	Apr-May	18	5,800.00	0.00	5,800.00
	Total:		20	8,175.00	0	8,175.00
4	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					413
	Grand Total:					8,900.00
7th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Watch & Ward including maintenance of fencing	Apr-May	18	5,800.00	0.00	5,800.00
	Total:		21	6,675.00	0	6,675.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					343
	Grand Total:					7,168.00
8th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Watch & Ward including maintenance of fencing	Apr-May	18	5,800.00	0.00	5,800.00
	Total:		21	6,675.00	0	6,675.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					343
	Grand Total:					7,168.00
9th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Watch & Ward including maintenance of fencing	Apr-May	18	5,800.00	0.00	5,800.00
	Total:		21	6,675.00	0	6,675.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					343
	Grand Total:					7,168.00
10th Year Maintenance						
1	File box facing (2 m. wide face over 400 m length) including maintenance of inspection path	Feb-Mar	3	875.00	0.00	875.00
2	Watch & Ward including maintenance of fencing	Apr-May	18	5,800.00	0.00	5,800.00
	Total:		21	6,675.00	0	6,675.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					343
	Grand Total:					7,168.00

TOTAL COST FOR 1 HA

Sl. No.	Year	No. person days	Labour Cost @ Rs.3365/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5% of total)	Cost of Seedlings @ Rs.22,177/- per seedlings	Total Cost (Rs.)
1	0th year	52	174980	3600	2512	0	31,890.00
2	1st year	175	587875	23000	2880	81921.75	1,52,591.20
3	2nd year	45	151425	3500	1680	2398.34	20,043.34
4	3rd year	41	138065	5400	945	0	15,196.05
5	4th year	21	70665	0	542	0	7,188.09
6	5th year	21	70665	0	542	0	7,188.09
7	6th year	20	67300	0	420	0	6,960.00
8	7th year	21	70665	0	542	0	7,188.09
9	8th year	21	70665	0	542	0	7,188.09
10	9th year	21	70665	0	542	0	7,188.09
11	10th year	21	70665	0	542	0	7,188.09
	Total:	423	1,35,550.00	28,912.00	5,878.00	1,86,180.01	2,66,520.01

TOTAL PROJECT COST FOR 11.65 HA

Sl. No.	Year	No. Man-days	Labour Cost @ Rs.3365/-	Material Cost (Rs.)	RELI & Other Contingency (5% of total)	Cost of Seedlings @ Rs.22,177/- per seedlings	Total Cost (Rs.)
1	0th year	571.79	192374.25	42640.00	1,605.43	0	2,22,119.68
2	1st year	1349.25	453955.25	27980.00	9512.00	86825.00	1,89,472.25
3	2nd year	629.25	213699.75	7750.00	1,216.43	3957.78	53,153.96
4	3rd year	468.00	157392.00	8250.00	1174.55	0	2,44,536.55
5	4th year	248.00	83432.00	0	402.2	0	80,177.80
6	5th year	248.00	83432.00	0	402.2	0	80,177.80
7	6th year	200.00	67300.00	0	331.1	0	67,362.11
8	7th year	200.00	67300.00	0	331.1	0	67,362.11
9	8th year	248.00	83432.00	0	402.2	0	80,177.80
10	9th year	248.00	83432.00	0	402.2	0	80,177.80
11	10th year	248.00	83432.00	0	402.2	0	80,177.80
	Grand Total:	5628.35	16,41,847.50	4,52,292.00	1,05,204.55	11,81,732.38	31,89,447.43
	GR		15,41,510.00	4,52,292.00	1,05,204.55	11,81,135.09	31,99,447.50

(Rupees Thirty Three Lakh Fifty-Dix Thousand Four Hundred Forty Seven) Only

Table 33: A. Governmental Mandates to fill vacant

Year Estimate	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489
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SMC Works Model-C

Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1600 Plants/ Ha).

Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0 th Year (Pre-Planting Operation)			
1	Nil		0
1 st Year			
2	Soil Conservation measures structures like Staggered Trench, Percolation pit, Contour trench, Graded weather band, LBCD, Wire mesh LBCD, Sub surface Dyer & WHS as per the slope & site requirement on LS.	Apr/Sept	20,215.00
2 nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3 rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4 th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5 th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.

Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 11.85 ha.					
Sr. No.	Year	No. person days	Labour Cost @ Rs. 325/- per day	Material Cost	Total Cost (Rs.)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	239547.75	2,39,547.75
3	2 nd Year	0	0.00	35929.20	35,929.20
4	3 rd Year	0	0.00	35929.20	35,929.20
5	4 th Year	0	0.00	35929.20	35,929.20
6	5 th Year	0	0.00	35929.20	35,929.20
Total		0	0.00	383264.55	3,83,264.55
OR					3,83,265.00

(Rupees Three Lakh Eighty-Three Thousand Two Hundred Sixty-Five only)

Table 1. USMC Over 1 Hr

Sl. No.	Contract current Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2001-01	0	22215	2032	3062	3032	3032																32242
2	2001-02	0	25206	3343	3570	5585	3870																37415
3	2001-03	0		22187	3410	2843	3870	4063															39208
4	2002-04			0	23401	3485	3870	4063	4265														41200
5	2002-05				0	24371	3870	4063	4265	4480													45113
6	2002-06				0	24371	3870	4063	4265	4480	4704	4928	5156										45470
7	2002-07					0		21830	4063	4265	4480	4704	4928	5156									47953
8	2002-08							0	21830	4063	4265	4480	4704	4928	5156								48141
9	2002-09								0	21830	4063	4265	4480	4704	4928	5156							48329
10	2002-10									0	21830	4063	4265	4480	4704	4928	5156						48517
11	2002-11										0	21830	4063	4265	4480	4704	4928	5156					48705
12	2002-12											0	21830	4063	4265	4480	4704	4928	5156				48893
13	2003-01												0	21830	4063	4265	4480	4704	4928	5156			49081
14	2003-02													0	21830	4063	4265	4480	4704	4928	5156		49269

Water Model-W-11		
Water provision to Plantation		
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-		
Year of Installation (0 th Year)		
1	Cost of Bore well	1,50,000.00
2	Cost of Diesel pump Set 5 HP	60,000.00
3	Diesel pump set & accessories like	40,000.00
4	Water Storage Tanks/ Flexible pipes	15,000.00
	Total	2,55,000.00
Cost of Water per Plant (2,55,000/5000) = Rs. 51/-		
Cost of Water per Ha = Rs. 51,000/-		51,000.00
1 st Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000-	21,000.00
2	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD ³ x 3 Month = 160 MD x 326 =	52,160.00
	Total	73,160.00
2 nd Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000-	21,000.00
2	Maintenance of pump set etc @ 15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD ³ x 3 Month = 160 MD x 326 =	52,456.00
	Total	1,12,106.00
3 rd Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000-	21,000.00
2	Maintenance of pump set etc @ 15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD ³ x 3 Month = 160 MD x 326 =	52,456.00
	Total	1,12,106.00
4 th Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000-	21,000.00
2	Maintenance of pump set etc @ 15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD ³ x 3 Month = 160 MD x 326 =	52,456.00
	Total	1,12,106.00
5 th Year Watering		
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000-	21,000.00
2	Maintenance of pump set etc @ 15% of the installation Cost	7,650.00
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD ³ x 3 Month = 160 MD x 326 =	52,456.00
	Total	1,12,106.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	160	52,160.00	21,000.00	73,160.00
3	2 nd Year	256	83,456.00	28,650.00	1,12,106.00
4	3 rd Year	256	83,456.00	28,650.00	1,12,106.00
5	4 th Year	256	83,456.00	28,650.00	1,12,106.00
6	5 th Year	256	83,456.00	28,650.00	1,12,106.00
	Total	1184	3,03,994.00	1,86,600.00	5,72,594.00

Abstract for 11.85 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0.0	0.00	6,04,350.00	6,04,350.00
2	1 st Year	3890.9	1265426.88	2,48,850.00	15,17,276.88
3	2 nd Year	6225.4	2029483.01	3,39,502.50	23,68,985.51
4	3 rd Year	6225.4	2029483.01	3,39,502.50	23,68,985.51
5	4 th Year	6225.4	2029483.01	3,39,502.50	23,68,985.51
6	5 th Year	6225.4	2029483.01	3,39,502.50	23,68,985.51
	Total	28792.5	9386358.91	22,11,210.00	1,15,97,568.91
	OR		93,86,359.00	22,11,210.00	1,15,97,569.00

(Rupees One Crore Fifteen Lakh Ninety-seven Thousand Five Hundred Sixty-Nine)Only

Statistik für Virologie und Infektion Fachservice mit Beratung über die

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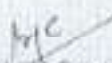
**Total Project Cost for Stabilization & Reclamation of OB Dump area over 11.85 ha in
Jindal Chromite Mines of M/s Jindal Stainless Ltd.
under Cuttack Forest Division.**

Sl No.	Items of Work	Estimated cost in (Rs.)
1	Block Plantation (1600 Plants/ Ha.) over 11.85 Ha @3,77,995/Ha	Rs.40,05,240.75
2	Watering Model-H (Diesel Pump set Fitted with Bore well) over 11.85 Ha @6,23,563/Ha	Rs.82,18,721.35
3	Soil Moisture Conservation cost over 11.85 Ha @37,415/Ha	Rs.4,43,367.75
	Grand Total	Rs.1,26,67,330.85 Or Rs.1,26,67,330.00

(Rupees One Crore Twenty-Six Lakh Sixty-Seven Thousand Three Hundred Thirty) Only


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Approved for Rs. 1,26,67,330/-


Regional Chief Conservator
of Forests, Angul Circle.

CONDITION NO:-B (xiv)(d)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the overburden dumps shall be maintained by appropriate grading/benching, in accordance with the approved scheme and maintain the angles of repose at any given place is less than 28° .

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

2/11

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kallapani - 755 047, Dist : Rajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 056, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

SCHEME FOR
MANAGEMENT OF TOP SOIL
AT JINDAL CHROMITE MINES
OF
M/S JINDAL STAINLESS LIMITED
(In lieu of diversion of 66.20 hectare of Forest Land)

Compliance to:

Condition No B. (xiv)(e) of "in principle approval" vide F.No.8-68/2000-FC(pt) dated:29.03.2022 of MoEF & CC, Govt. of India.

SCHEME FOR MANAGEMENT OF TOP SOIL AT JINDAL CHROMITE MINES OF M/S JINDAL STAINLESS LIMITED

(As per condition No.B.(xiv) (c) of "In principle approval" vide F.No.8-68/2000-FC(pt), dated 29.03.2022 MoEF & CC, Govt. of India.)

1. INTRODUCTION

Stage-I F.C. approval for diversion of balance forest land over 66.20 ha of forest land for non-forest purpose pertaining to Jindal Chromite Mines has been accorded vide F.No.8-68/2000-FC (pt) date: 29.03.2022 of Ministry of Environment, Forests & Climate Change, subject to fulfillment of certain conditions. The condition No. B. (xiv)(c) of the Stage-I F.C. approval is given as under:

"No damage shall be caused to the top soil and the user agency will follow the top soil management plan".

In compliance to this condition a plan for management of top soil has been prepared;

The purpose of this scheme is to prescribe methods to manage top soil/sub soil effectively so as to preserve & conserve natural resources which has been formed after several years of natural processes.

2. Top Soil management

In order to manage the top soil the following suggestions are put forth and to be practiced.

- ✓ Top soil likely to be generated/collected is to be stacked at earmarked place.
- ✓ Stack shall be maintained with a slope less than 28°
- ✓ Provision of retaining wall and gabion shall be provided all around the top soil stack.
- ✓ The top soil Stack shall be covered with a tarp/coir mat.
- ✓ Broadcasting of grass seed over the top soil stack shall be taken up.
- ✓ During reclamation, the top soil may be utilized for tree plantation.
- ✓ The soil under tree plantation is to be taken as soon as possible and covered with mulch to prevent the soil from washing or blowing away.
- ✓ Generation of Top Soil & its utilization will be recorded in a hard bound register and copy of the same to be provided for reviewing to the authorities.

3. Present Scenario:

Mining Lease over 89.0 ha at village Kaliapani has been granted in 2002 to produce Chrome ore for captive use by Jindal Stainless Limited. The Mines has two nos of Quarries, two nos. of waste dumps inside the ML Area and the remaining area are being used for other mining activities. The Safety Zone area of the ML is 5.04 ha and is being maintained as Green Belt. As the Scope

for opencast mining has become limited due to space constraint. JSL has applied for mining of the blocked chromite ore in benches and Safety Zone area to the MoEF & CC and Stage-I F.C. approval is granted by MoEF & CC vide F.No.8-68/2000-FC(p), dated : 29.03.2022.

Hence the additional area of 3.141ha shall be mined in phased manner for extraction of Chromite ore. It is estimated that during the Mining of the proposed area, about 2000 cumm top soil may be generated. The top soil produced shall be stacked at earmarked stack yard and shall be utilized in the plantation of saplings. A hand bound paged register shall be maintained to keep the record of generation and utilization of the top soil.

In course of mining activities in Common boundary mining area, due to low shelf life of the top soil, it shall be used for supplementing the plantation at waste dump slope area which is the non-fertile soil.

4. Plan for top soil management:

The topsoil management plan provides description of the soil stripping and stockpiling procedures to minimize top soil degradation and maximum availability of suitable soil for future rehabilitation within mining lease of Jindal Chromite Mines of M/s Jindal Stainless Limited. Topsoil is to be stripped in areas proposed to be mining. A comprehensive top-soil management plan has been prepared keeping in view of the conservation, regeneration and afforestation in and around the ML area.

The top soil inside the Mining Lease area is scanty and present in extremely thin layer. The topsoil will be utilized for concurrent plantation works in the mine as per this plan. It is proposed to use the top soil generated during the mining operation within a period of six months due to its low shelf-life. Some of the top soil will be stored temporarily until it is used completely for plantation works in the dump other areas. The details of proposed dimension of top soil stack yard are given below:

Dimension of the top soil stock yard: 20 mt x 20 mt x 5mt

Volume to be stacked=20 mt x 20 mt x 5 mt

5. Inspection, Monitoring and evaluation

Regular inspection and technical guidance shall be taken from concerned department of user agency for successful implementation of above top soil management plan. Sufficient fee /conveyance charges for technical experts shall be provided by the user agency for proper execution of this plan. Budgetary provision of 15% of the total project cost has been earmarked on this scope.

6. Budgetary provision.

Top soil removal / dumping will be utilized for taking up plantations in Dump and other areas.
The total cost of the scheme shall be as below:

Sl No.	Description of the work	Funds Required
1	Virgin forest area from where top soil can be collected. Stripping cost 0.5ha/hr @ 1800.00. Therefore 3.0 ha cost = 6.0 hrs Total 6 hrs x Rs. 1800 = 10,800/- Loading & transporting cost from the site to top soil stockpiles comes to be : 2000 x (tonnage factor) 1.8 = 3600 ton 3600 ton x Rs. 36/- (Loading & Transportation @ Rs. 36/ton) = Rs. 1,29,600/- Cost of leveling with 100 manpower @ 326.00/- Rs. 326.00 x 100 = Rs. 32,600/-	Rs. 1,73,000.00
2	Cost for sowing of grass seeds over 1.0 ha @ Rs. 26,238.00/ha (Annexure-I).	Rs. 26,238.00
3	Maintenance of grass seed @ (3 mandays weekly for period of six month) Total 72 mandays for six months 72 x Rs. 326.00 = 23472.00	Rs. 23,472.00
4	Retaining wall over a length of 85 meters (Annexure-II).	Rs. 32,830.00
5	Garland drain over a length of 90 meters (Annexure-III).	Rs. 1286.00
	Sub-total	Rs. 2,56,826.00
6	Inspection, monitoring & evaluation @ 15% of the total project cost	Rs. 38,523.90
	Total	Rs. 2,95,349.90
7	Price escalation @ 20%	Rs. 59,069.98
	Grand Total	Rs. 3,54,419.88 or Rs. 3,54,420.00

(Rupees Three Lakh Fifty Four Thousand Four Hundred and Twenty) only

The total cost of the implementation of Top soil management scheme will be Rs. 3,54,420.00/-


(Rupees Three Lakh Fifty Four Thousand Four Hundred and Twenty) only as detailed above which will be borne by User Agency at their project cost. The cost of the scheme may subject to increase in amount considering the increase in materials and labour charges which will also be borne by the User Agency.

7. Execution.

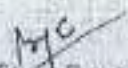
This Plan / Scheme is to be implemented by the user agency.

3. Monitoring & Evaluation.

The execution shall be carried out and monitored by field & Managerial staffs of M/s Jindal Stainless Limited.


Divisional Forest Officer
Cuttack Forest Division

Approved & Rs 3,94,62/-


Regional Chief Conservator
of Forests, Angul Circle.

Estimate for sowing of grass seeds per ha.

Annexure-I

Cost of broadcasting of grass seeds per ha. Labour rate Rs.326.00/- per day				
Sl No.	Purpose	No. of Labour/quantity of materials	Rate (in Rs.)	Amount in Rs.
1	Spreading of good top soil	03 Nos	326.00/ Labour	978.00
2	Adding FYM and good earth	2 TL FYM 2 TL Good earth	500/TL FYM 500/TL Good earth	2,000.00
3	Cost of grass seed 500 Kg/per ha		40/Kg	20,000.00
4	Broad casting	10 nos	326.00/ Labour	3,260.00
Total				26238.00

Annexure-II

Development of retaining wall near proposed Top soil dump (Length of the wall = 85 mtr.)

1) E/W excavation by mechanical means.

Qty. 85 m x 0.5m x 0.5 = 21.25 Cum

= 21.25 Cum @ Rs. 66.39 = Rs. 1410.79

2) Providing grate boulder.

85 m x 0.5m x 0.5 = 21.5 Cum @ Rs. 1544.94 / Cum

= Rs. 33,229.98

Say Rs. 32,830.00

Annexure-III

Excavation of Earthen drain (Garland drain) near proposed Top soil dump (Length of Garland drain 90 mtr)

1) E/W excavation by mechanical means.

90 m x 0.5 x 0.5 = 22.50 Cum

= 22.50 Cum @ Rs. 57.13/Cum

= Rs. 1285.42

Say Rs. 1286.00

Annexure- B/xiv

CONDITION NO:-B (xiv)(e)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the no damaged shall be caused to the top soil and followed the approved Plan/Scheme of top soil management.

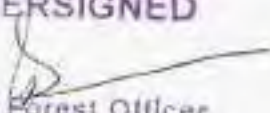
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


**Divisional Forest Officer
Cuttack Forest Division**

SCHEME FOR SAFETY ZONE AREA

OVER 1899 Ha.

FOR

JINDAL CHROMITE MINES IN MAHAGIRI D.P.F. OF
VILLAGE KALIAPANI IN SUKINDA TEHSIL

OF

JAIPUR DISTRICT

BY

M/S JINDAL STAINLESS LIMITED.
(FORMERLY JINDAL STRIPS LIMITED)

UNDER

CUTTACK FOREST DIVISION

In compliance to condition no. B xv (a) of the Stage-I Forest Clearance granted by MoEF & CC,
Govt. of India vide File No. B-68/2000-E.C (pt) Dt. 29.03.2022

1. TITLE OF THE SCHEME

SAFETY ZONE AREA AFFORESTATION SCHEME OF JINDAL CHROMITE MINE OF M/S JINDAL STAINLESS LIMITED. (FORMERLY JINDAL STRIPS LIMITED)

The Govt. of India vide their letter No. B-68/2000-F.C (pt) Dt.29.03.2022 have conveyed their approval (Stage-I) for diversion of 66.20 Ha., in Mahagiri DPF for Chromite ore mining in village Kalipani under Sukinda Tehsil of Jajpur district of Cuttack Forests Division with certain conditions. As per condition no. B xv (a) of the above Clearance, the scheme involve with cost for fencing, protection and regeneration of safety zone area over 1.899 ha of Village Kalipani of Cuttack Forest Division.

2. LOCATION OF THE SCHEME

Scheme for Safety Zone (1.899Ha.)

Mining Lease over 89.00 Ha. Out of 89.00 ha as per Hal record Forest area of 24.29ha out of which 1.44Ha. is as Safety Zone under Mahagiri D.P.F. in Sukinda Tehsil of Jajpur District. Stage-II Forest clearance accorded over 22.80ha vide letter no.B-68/2000-FC-2329 date 05.07.2001 and as per MoEF & CC, Govt. of India Guidelines dated 10.01.2015 and 01.04.2015 the balance Forest Area as per Sabak record including Safety Zone area, 66.20 ha was applied for Forest Clearance under Section 2 of F.C. Act, 1980. In principle approval for Stage-I Forest Clearance has accorded by MoEF & CC, Govt. of India vide B-68/2000-FC (pt) date: 29.03.2022 over 66.20ha including Safety Zone Area of 1.899ha.

3. CLIMATIC CONDITION

The area comes under the category of Tropical climate with heavy warm, humid summer and mild winter. Three prominent seasons are experienced i.e. the hot season from March to June, Rainy Season from July to October and Cold Season from November to February. The severity of the summer is generally felt due to lot of mining activities in the area. The temperature ranges from 45° C in May to 6° C during January.

4. RAIN FALL

Average rain fall of the area varies from 1200 mm. to 1650 mm.

5. NATURAL VEGETATION

The type of forest seen mostly peninsular low level Sal forests and moist mixed Deciduous forest. Sal, Plasal, Kurum form the top storey of forest cover. The middle canopy is composed of *Carryea arborea*, *Lannea coromandelica*, *Embelica officinalis*, *Cassia fistula*, *Terminalia bellerica*, *Cassia tomentosa*. Ground floral indicated by *Imperata eurindinasea*, *Anthistria gigittia* and *Paola* etc.

6. SOIL TYPE

The soil in this area is having colour from brown to reddish brown and texture is clayey to sandy clay. The soil having pH value is from 6.5 to 8.0, contain Nitrate Nitrogen as (N) lbs/Acre from 9 to 45, percentage of organic matter varies from 0.8 to 1.29 and phosphorus having nil to traces.

Due to exposure, the soil is mostly degraded. At places bouldery refractory rocks are also visible.

7. CHOICE OF SPECIES

Safety Zone

1. Acaia (Acacia auriculiformis)
2. Siris (Albizialebbek)
3. Fasi (Anogeissusacuminates)
4. Sunari (Cassia fistula)
5. Dalbergialatifolia.
6. Neem (Azadirachtaindica)
7. Gambhar (Gmelinaarborea)
8. Piasal (Pterocarpus marsupium)
9. Bamboo (Dendrocalamusstrictus)
10. Tentuli (Tamarindusindica)
11. Anla (Embllica officinalis)

8. PLANTATION MODEL

Plantation shall be taken up in the mode of block plantation. Fencing, Protection, regeneration of the safety zone area should be high densities, mode of 1600 plants / Ha. adopting 2.5 m X 2.5 m spacing.

2.5 m x 2.5 m. = 1600 plants/Ha.

Pitting-45 cm. x 45 cm. x 45 cm.

Planting will be done in 4 rows along the Mining Lease Boundary line.

N.B: DUE TO DIFFICULT AREA THE COST NORM HAS BEEN CALCULATED ON SITE SPECIFIC BASIS.

9. NAME OF IMPLEMENTING AGENCY

Since the work will be done within mining lease area, it will be executed by the User Agency

10. MAIN OBJECTIVE OF THE SCHEME

- I. To provide a green belt around the mines area in order to minimize the pollution of air and absorb the dust particles generating from the mines.
- II. To provide adequate tree cover of the area in order to compensate the loss of forest land and forest cover due to mining activities.
- III. To provide gainful employment to the tribal/rural people.
- IV. To conserve the soil and moisture of the area and to provide healthy climatic condition.
- V. To maintain balanced Eco-System.

11. FINANCIAL OUTLAY:

The total financial outlay for proposed plantation over 1,899 ha of Safety Zone area comes to Rs.20,29,980.00 (Rupees Twenty Lakh Twenty-Nine Thousand Nine Hundred Eighty) only as shown in Annexure-


DIRECTOR, CHHATTISGARH
Forest Department

BASE COST NORM FOR AFFORESTATION (AR PLANTATION)
@ 1500 PLANTS PER HECTARE (15 Months old seedling)

1. MODEL	
2. NO. OF PLANTS PER HA.	ALOCK
3. TOTAL AREA TO BE PLANTED (in HA.)	1.000
4. SPACING TO BE ADOPTED	1.000
5. TOTAL NOS. OF PLANTS TO BE PLANTED	2.500 X 2 over
6. Wage Rate (Per day)	3.025
	326.00

Sl. No.	Item of Work	Period of execution	Mandays	Labour Cost @ Rs.326/-	Material Cost	Total in Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Piler Fixing	Nov/Dec	2	652.00	0	652.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	326.00	100	426.00
3	Site preparation (Clearing & removal of debris etc)	Nov/Dec	10	3,261.00	0	3,261.00
4	Creation of 4.00 m wide inspection path	Feb/Mar	1	326.00	0	326.00
5	Alignment and stacking of pits	Feb/Mar	2	652.00	0	652.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in field & properly suit	Feb/Mar	68	20,864.00	0	20,864.00
7	Construction of Temporary Labour Shed, Drinking water facility and First Aid etc	Jan/Mar	0	0.00	3,500	3,500.00
	Total:-		82	26,732.00	3,600.00	30,332.00
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 10% of the total cost					1517
	Grand Total:-					31,849.00
1st Year Planting Year						
1	Refilling of pits by returning the dugout soil or the pits, application of Organic commercial COM, FYM & mixing the same properly	Jul/Aug	12	3,912.00	0.000.00	11,812.00
2	Transportation of 10 months old polyprop seedlings to forest truck/ tractor from the Horticulture Mega nursery to planting site including loading & unloading (Average load of 10 Nos) & stacking the seedlings @ Rs.20/- per seedling (1100 nos.)	July/Aug	0	0.00	10,500.00	10,500.00
3	Unloading the polyprop seedlings at planting site	July/Aug	3	978.00	0.00	978.00
4	Conveyance of polyprop seedlings on field level from the stacking site to individual dug out pits within the planting site, applying immediate labourers & planting after covering the pit with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	35	11,410.00	0.00	11,410.00
5	Cost of Fertilizer & insecticide:- (a) NPK / Bio-fertilizer @50 gram/plant as base dose = 50 kg @ Rs.100/- per kg = Rs.5000.00 (b) Urea/ Vermicompost/ Mo- Khad/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-pesticide @ 5 gram/plant = 5 kg @ Rs.150/- per kg = Rs.750.00	July/Aug	0	0.00	4,900.00	4,900.00
6	Canal Replacement @ 10% (100 nos.)	July/Aug	4	1,304.00	0.00	1,304.00
7	1st Weeding & Misting	Aug/Oct	15	4,890.00	0.00	4,890.00

4	2nd seedlings cost working (1st. Diameter around the plants) and Manuring	Oct/Nov	20	6,636.00	0.00	6,636.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
6	Watch & Ward including watering as per requirement	Aug-Mar	12	5,912.00	0.00	5,912.00
	Total:-		105	34220	23360	57,580.00
7	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					2,883.00
	Grand Total:-					60470
2nd Year Maintenance						
1	Transportation of 100 seedlings from nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.60 per seedling	Jul	5	0.00	960.00	960.00
2	Gaseous Repellent @ 10%	Jul	4	1,534.00	0.00	1,534.00
3	Cost of Fertilizer & Insecticide:- (a) Cost of Insecticide (Bio-pesticide @ 500 ml plant = 0.5 kg @ Rs.150/- per kg = Rs.75/-) (b) Urea NPK Bio-fertilizer/Vermicompost Bio-fertilizer and other fertilizer @ Rs.8000/-	Aug/Sept	9	0.00	4,800.00	4,800.00
4	Weeding (Complete weeding), Manuring & Soil working (1st. Diameter around the plants)	Sept/Oct	20	6,520.00	0.00	6,520.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
6	Watch & Ward including watering as per requirement	Apr/May	18	5,058.00	0.00	5,058.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid kit				1,000.00	1,000.00
	Total:-		45	14670	5,860.00	21238
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					1062
	Grand Total:-					22296
3rd Year Maintenance						
1	Cost of Fertilizer (Urea NPK Bio-fertilizer Vermicompost Bio-fertilizer and other fertilizer)	Sept/Oct	5	0.00	4,400.00	4,400.00
2	Weeding, Manuring & Soil working (1st. Diameter around the plants)	Sept/Oct	20	6,520.00	0.00	6,520.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
4	Watch & Ward, including watering as per requirement	Apr-May	18	5,058.00	0.00	5,058.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid kit	Apr-May			1,000.00	1,000.00
	Total:-		41	13,565.00	5,400.00	18,965.00
6	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					943
	Grand Total:-					19,799.00
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of watering	Apr-May	18	5,058.00	0.00	5,058.00
	Total:-		21	6,046.00	0	6,046.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,388.00

5th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
6th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Pruning of branches, Singing out of matured plants	Jan-Mar	3	1,600.00	0.00	1,600.00
3	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		24	8,446.00	0	8,446.00
4	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					424
	Grand Total:-					8,900.00
7th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
8th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
9th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
10th Year Maintenance						
1	Fire line trailing (2 m wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	3	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00

TOTAL COST FOR 1 HA.						
Sl. No.	Year	No. person days	Labour Cost @ Rs.326/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5% of (4+5))	Total Cost (Rs.)
1	0th year	12	3912	3000	1517	8429
2	1st year	105	34230	23360	2835	59825
3	2nd year	15	4890	5500	1667	11947
4	3rd year	41	13376	5400	943	19719
5	4th year	21	6846	0	342	7188
6	5th year	21	6846	0	342	7188
7	6th year	21	6846	0	342	7188
8	7th year	21	6846	0	342	7188
9	8th year	21	6846	0	342	7188
10	9th year	21	6846	0	342	7188
11	10th year	21	6846	0	342	7188
	Total	425	1,39,558.00	39,012.00	8,378.00	1,86,948.00

TOTAL PROJECT COST FOR 1,899 HA.						
Sl. No.	Year	No. Mendeys	Labour Cost @ Rs.326/-	Material Cost (Rs.)	MELD & Other Contingency (5% of (4+5))	Total Cost (Rs.)
1	0th year	155.72	50764.07	6335.40	2865.78	59965.25
2	1st year	189.45	61802.77	44380.84	5429.12	1,11,612.73
3	2nd year	65.40	21358.33	12408.65	1710.74	35477.72
4	3rd year	77.86	25382.63	10417.61	1759.78	37560.02
5	4th year	39.88	12920.58	0	646.03	13566.61
6	5th year	24.98	8083.55	0	404.18	8487.73
7	6th year	49.37	16020.22	0	801.01	16821.23
8	7th year	38.88	12620.55	0	631.03	13251.58
9	8th year	29.88	9720.55	0	486.03	10206.58
10	9th year	34.88	11380.56	0	569.03	11949.59
11	10th year	34.88	11380.56	0	569.03	11949.59
	Grand Total	807.63	2,63,100.42	74,983.78	16,859.34	3,54,943.54
	OR		2,63,100.42	74,983.78	16,859.34	3,54,943.54

(Rupees Five Lakh Forty-Four Thousand Two Hundred Ninety-One) Only

Matrix for Model-J A Conventional Plantation (AR) 1000 (ha) x 1000 (ha)

Sl. No.	Calendar Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2021-22	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											256620
2	2022-23	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											321900
3	2023-24	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											357995
4	2024-25	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											351897
5	2025-26	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											372534
6	2026-27	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											391217
7	2027-28	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											410855
8	2028-29	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											431377
9	2029-30	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											452946
10	2030-31	31819	142302	30846	10795	2383	7188	4090	2188	5188	7188	7188											475502
																							499373

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

SMC Works Model-C			
Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture (1600 Plants/ Ha).			
Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBDD, Wire mesh LBDD, Sub surface Dykes & WIS as per the slope & site requirement on LS	Apr/Sept	20,215.00
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 1899 ha.					
Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/ per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	38388.29	38,388.29
3	2 nd Year	0	0.00	5757.77	5,757.77
4	3 rd Year	0	0.00	5757.77	5,757.77
5	4 th Year	0	0.00	5757.77	5,757.77
6	5 th Year	0	0.00	5757.77	5,757.77
Total		0	0.00	61419.36	61,419.36
OR					61,419.00

(Rupees Sixty-One Thousand Four Hundred Nineteen)only

Married for (SMC) over 1 H.

Sl. No.	Commence- ment Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XIX	XX	XXI	Total Count (10 Years)
1	2001-22	0	2001.5	3032	3022	3032	3032															32143
2	2002-23	0	2122.6	3143	3130	3143	3139															35634
3	2003-24	0		2287	2290	2288	2278	4063														37415
4	2004-25		0		23401	2385	2379	4063	4266													38286
5	2005-26				0	24571	2470	4063	4266	4336												42230
6	2006-27					0	25300	4063	4266	4480	4704											43413
7	2007-28						0	27900	4266	4480	4704	4928										45478
8	2008-29							0	29445	4480	4704	4928	5152									47552
9	2009-30								30	2562	4704	4928	5152	5376								50646
10	2010-31									0	51360	4928	5152	5376	5600							21647
										0	51360	5152	5376	5600	5824	6048						59229

Water Model-W-II			
Water provision to- Plantation			
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-			
Year of Installation (0 th Year)			
1	Cost of Bore well	1,50,000.00	
2	Cost of Diesel pump Set 5 HP	60,000.00	
3	Diesel pump set & accessories like	10,000.00	
4	Water Storage Tanks/ Flexible pipes	15,000.00	
	Total	2,55,000.00	
Cost of Water per Plant (2,55,000/5000) = Rs. 51/-			51,000.00
Cost of Water per Ha = Rs. 51,000/-			
1 st Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD* 8 Month=160 MDx326=	52,160.00	
	Total	73,160.00	
2 nd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc @15% of the installation Cost	7,650.00	
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD* 8 Month=256 MDx326=	83,456.00	
	Total	1,12,106.00	
3 rd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc @15% of the installation Cost	7,650.00	
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD* 8 Month=256 MDx326=	83,456.00	
	Total	1,12,106.00	
4 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc @15% of the installation Cost	7,650.00	
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD* 8 Month=256 MDx326=	83,456.00	
	Total	1,12,106.00	
5 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc @15% of the installation Cost	7,650.00	
3	Watering 1600 plants (Nov-Mar) @200 plants/MD with 7 days rotation 32 MD* 8 Month=256 MDx326=	83,456.00	
	Total	1,12,106.00	

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	160	52,160.00	21,000.00	73,160.00
3	2 nd Year	256	83,456.00	28,650.00	1,12,106.00
4	3 rd Year	256	83,456.00	28,650.00	1,12,106.00
5	4 th Year	256	83,456.00	28,650.00	1,12,106.00
6	5 th Year	256	83,456.00	28,650.00	1,12,106.00
Total		1184	3,85,984.00	1,86,600.00	5,72,584.00

Abstract for 1,899 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0.0	0.00	96,849.00	96,849.00
2	1 st Year	303.8	99051.84	39,879.00	1,38,930.84
3	2 nd Year	486.1	158482.94	54,406.35	2,12,889.29
4	3 rd Year	486.1	158482.94	54,406.35	2,12,889.29
5	4 th Year	486.1	158482.94	54,406.35	2,12,889.29
6	5 th Year	486.1	158482.94	54,406.35	2,12,889.29
Total		2248.4	732983.62	3,54,353.40	10,87,337.02
OR			7,32,984.00	3,54,353.00	10,87,337.00

(Rupees Ten Lakh Eight-Seven Thousand Three Hundred Thirty-Seven)Only

Months for Winding Well (Diesel Pump set with Booster) over J Ha

Sl. No.	Current month Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost 10 Years
1	2011-12	51000	75100	112100	112100	112100	112100																572500
2	2012-13	51000	76818	123507	120775	594566	1231075																600516
3	2013-14		33350	80656	177770	110266	148026	150273															693503
4	2014-15			56258	146922	186284	163019	150213	177744														728261
5	2015-16				89269	109216	147079	181125	157210	165612													764053
6	2016-17					119961	89373	130110	107944	145012	172813												803486
7	2017-18						63080	88041	147716	189613	173013	112509											843010
8	2018-19							68542	107943	165633	175913	153808	161799										882181
9	2019-20								71282	100081	117991	115209	101727	201306									921848
10	2020-21									75330	115402	182809	181258	201256	211367								972512
										79113	118120	191728	201256	211367	217662								1026708

**Total Project Cost of Safety Zone Scheme over 1899 ha
in Jindal Chromite Mines of M/s Jindal Stainless Ltd.
under Cuttack Forest Division.**

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1600 Plants/ Ha.) over 1899 Ha @3,37,995/Ha	Rs.6,41,852.50
2	Watering Model-II (Diesel Pump set Fitted with Bore well) over 1899 Ha @6,93,563/Ha	Rs.13,17,076.13
3	Soil Moisture Conservation cost over 1899 Ha @37,415/Ha	Rs.71,051.08
	Grand Total	Rs.20,29,979.71 Or Rs.20,29,980.00

(Rupees Twenty Lakh Twenty-Nine Thousand Nine Hundred Eighty) Only


**DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION**

Approved As Rs. 20,29,980/-


**Regional Chief Conservator
of Forests, Angul Circle.**

Annexure- *B/xv/1*

CONDITION NO:-B (xv)(a)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Jindal Stainless Limited will maintain the demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers as per the approved Scheme, under the supervision of the State Forest Department.

For Jindal Stainless Limited
Jindal Stainless Limited:


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

266
Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kallapani - 755 047, Dist : Jajpur, Odisha, India

T :- +91 6726 268545, F :- +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/xy/11

CONDITION NO:-B (xv)(b)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the boundary of the safety zone of the mining lease, adjacent to habitation/roads shall be properly fenced.

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

266
**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalapani - 755 047, Dist. : Jagpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005. (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India

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Annexure- B/xv/17

CONDITION NO:-B (xv)(c)

UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area as per approved Scheme, under the supervision of the State Forest Department.

For Jindal Stainless Limited
Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

263
Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kallapani - 755 047, Dist. : Jajpur, Odisha, India

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Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

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SCHEME FOR AFFORESTATION OVER ONE AND HALF TIMES OF
SAFETY ZONE AREA COMING TO 3 HA
IN DAITARY D.P.F.
IN LIEU OF JINDAL CHROMITE MINES OF
M/S JINDAL STAINLESS LIMITED.
IN MAHAGIRI D.P.F. AND VILLAGE KALIAPANI
IN SUKINDA TEHSIL
OF
JAJPUR DISTRICT
UNDER
CUTTACK FOREST DIVISION

In compliance to condition no. B. xv (d) of the Stage-I Forest Clearance granted by MoEF & CC,
Govt. of India vide File No. 8-68/2000-F.C (pt) Dt. 29.03.2022

01 -TITLE OF THE SCHEME:

Scheme for Afforestation over one & half times of Safety Zone area.

02 - NAME OF IMPLEMENTING AGENCY:-

The work will be executed/implemented by the Forest Department/ Divisional Forest Officer, Cuttack Forest Division.

03 - INTRODUCTION:-

In pursuance to condition no.B xv (d) of the Stage-I Forest Clearance granted by MoEF &CC, Govt. of India vide File No. 8-68/2000-F.C (pt), Dt.29.03.2022, "Afforestation on degraded forest land to be selected elsewhere, measuring one and a half times the area under safety zone, shall also be done at the project cost under the supervisions of the State Forest Department. The degraded forest land (DFL) so selected will be informed to the MoEF&CC with shape files before Stage-II approval and afforestation will be done within three years, from the date of Stage-II clearance and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department."

Compliance to the above condition the Scheme for Afforestation over one & half times of Safety zone area over 3.0 ha. of degraded forest land is selected inside the Daitari D.P.F.

04-OBJECTIVE OF THE SCHEME

1. To improve the prop condition of exiting degraded forests with rehabilitation measures.
2. To provide a green belt to compensate loss of forest cover.
3. To provide adequate forest cover to compensate for the loss of the forest land due to the mining activities and provide good habitat for the wildlife.
4. To conserve the soil and moisture of the area to maintain the Eco-system and to provide a healthy climatic condition.
5. To make best use of the land by planting valuable / local species and to enhance the aesthetic value of the land.
6. To provide gainful employment to the tribal/ rural people.
7. To minimize the effects of the pollution & provide a healthy environment.

05- COMPONENTS OF THE SCHEME:-

- I. Plantation in prominent patches at regular spacing of 2.5m x 2.5m with average plantation of @1000 plants/ ha.
- II. Regeneration, cleaning activities like high stump rectification, wining out, climber, cutting, pruning, de-weeding etc. to improve the natural regeneration of already existing in the area.

- III. Soil & moisture conservation measures to improve the moisture retention of the forest land including drainage line treatment etc. The works proposed are gully plugging, and staggered trenching.

06-CHOICE OF SPECIES:-

The plantation of this project shall be taken up in Daitary D.P.F, which is in degraded form located in different patches. The selection of species will be as per the site specific and beneficial to the forest and useful to the local people are as under:

LIST OF SPECIES

01. Sisoo (*Dalbergia sissoo*)
02. Neam (*Azadirachta indica*)
03. Piasal (*Pterocarpus marsupium*)
04. Bamboo (*Dendrocalamus strictus*)
05. Bahada (*Terminalia bellirica*)
06. Amla (*Emblica officinalis*)
07. Gambhar (*Gmelina arborea*)
08. Khair (*Acacia catechu*)
09. Sisoo (*Dalbergia latifolia*)
10. Sirisha (*Albizia procera*)

07-PROJECT AREA:-

The treatable area is located within Daitary D.P.F. The crop condition in the region are degraded comprising of species like Sal, Dhaura, Aasan, Kendu, Mahula, Kochila, Kuruma etc. needing regeneration and clearing. Besides, prominent gaps are also existing which needs intervention by artificial regeneration. At present the crop condition in this area is alarming and needs treatment such as R.D.F and through Block Plantation activities. Hence, this is proposed as treatment area.

08 - FINANCE OF THE SCHEME:

The total Financial Outlay estimated towards this Scheme shall be deposited by M/s Jindal Stainless Ltd.

09- WORK TO BE TAKEN:

For raising a successful plantation, following works to be taken-up and the estimate for raising plantation over an area of 3.0 ha, is being furnished accordingly. The Item-wise detail of plantation/ methodology to be adopted is indicated below:

Total Project Cost for Block Plantation over One & Half times of Safety Zone area in Degraded Forest land over 3.0 ha in Daitari DPF.

Sl No.	Item of Work	Estimated cost in (Rs.)
1	Block Plantation (1000 Plants/ Ha.) over 3.0 Ha @2,56,207/Ha	Rs.7,68,621.00
2	Fencing Model-F-I(Bamboo Twig) over 3.0 Ha@1,07,216/Ha	Rs.3,21,648.00
3	Soil Moisture Conservation cost over 3.0 Ha @37,415/Ha	Rs.1,12,245.00
4	Watering Model-II (Diesel Pump set Fitted with Bore well) over 3.0 Ha @5,15,846/Ha	Rs.15,47,538.00
	Grand Total	Rs.27,50,052.00 ✓

(Rupees Twenty-Seven Lakh Fifty Thousand Fifty-Two) Only


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Divisional Forest Officer
Cuttack Forest Division

Approved for Rs. 27,50,052/-


Regional Chief Conservator
of Forests, Angul Circle.

SCHEME FOR COMPENSATORY AFFORESTATION FOR BLOCK PLANTATION OVER ONE & HALF TIMES OF SAFETY ZONE AREA IN DEGRADED FOREST LAND OVER 3 HA IN DAILY DPF DURING 2022-23

Name of the Scheme :-	COMPENSATORY AFFORESTATION
Name of the Project :-	PROPOSAL FOR COMPENSATORY AFFORESTATION FOR BLOCK PLANTATION OVER ONE & HALF TIMES OF SAFETY ZONE AREA IN DEGRADED FOREST LAND OVER 3 HA IN DAILY DPF DURING 2022-23
Name of Implementing Agency :-	Divisional Forest Officer, Cuttack Forest Division

1. MODEL	
2. NO. OF PLANTS PER HA.	BLOCK
3. TOTAL AREA TO BE PLANTED(In HA.)	1.030
4. SPACING TO BE ADOPTED	3
5. TOTAL NOS. OF PLANTS TO BE PLANTED	2.580 x 2.58m
6. Wage Rate (Per MD)	3,000
	325.00

Sl. No.	Item of Work	Period of execution	Man-days	Labour Cost @ Rs.325/-	Material Cost	Total In Rs.
1	2	3	4	5	6	7
Pre-Planting Operation (0th Year)						
1	Survey, Demarcation and Pillar Posting	Nov/Dec	2	650.00	0	650.00
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	1	325.00	100	425.00
3	Site preparation (Clearing & removal of debris)	Nov/Dec	12	3,900.00	0	3,900.00
4	Excavation of 4.00 ml (100) inspection Pits	Feb/Mar	1	325.00	0	325.00
5	Alignment and stacking of pits	Feb/Mar	1	325.00	0	325.00
6	Digging of pits (45 cm x 45 cm x 45 cm) in hard & gravelly soil	Feb/Mar	40	13,000.00	0	13,000.00
7	Construction of Temporary Labour (Shed) Drinking water facility and First Aid etc.	Jan/Feb	6	0.00	1500	1,500.00
	Total:-		57	18,582.00	3,600.00	22,182.00
8	Minority, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					1109
	Grand Total:-					23,291.00
1st Year Planting Year						
1	Soiling of pits by sifting the digital soil of the pits, application of Organic compounds/ COM/FYM & mixing the same properly	Jun/July	7.5	2,437.50	0,000.00	2,437.50
2	Transportation of 18 months old polybag seedlings in hired truck/ tractor from the Permanent/ Naga nursery to planting site including loading & unloading (Average load of 10 Tons) & stacking the seedlings @ Rs 6/- per Seeding (1100 nos.)	July/Aug	5	0.00	6,000.00	6,000.00
3	Watering the polybag seedlings at planting site	July/Aug	2	650.00	0.00	650.00
4	Conveyance of polybag seedlings on head load from the stacking site to individual dig out pits within the planting site, applying insecticide, fertilizers & plowing after scooping the soil with other applied materials & pressing the soil properly around the planted seedlings.	July/Aug	22.5	7,312.50	0.00	7,312.50
5	Cost of Fertilizer & Insecticide:- (a) NPK / Bio-fertilizer @50 gms/ plant as basal dose = 50 kg @ Rs.30/- per kg = Rs.1500.00 (b) Urea/ Vermicompost/ Mo. Rhizob/ any other fertilizer in two subsequent doses @ Rs.750.00 (c) Insecticide/ Bio-insecticide @ 5 gms/ plant = 5 kg @ Rs.150/- per kg = Rs.750.00	July/Aug	0	0.00	3,000.00	3,000.00
6	Casualty Replacement @ 10% (100 nos.)	July/Aug	2.5	812.50	0.00	812.50
7	1st Weeding & Manuring	Aug/Sept	12	3,912.00	0.00	3,912.00

9	2nd Weeding, Soil working (1st. Diameter around the plants) and Manuring	Oct/Nov	15	4,890.00	0.00	4,890.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path.	Feb/Mar	3	975.00	0.00	975.00
10	Watch & Ward. including watering as per requirement	Aug-Mar	12	3,912.00	0.00	3,912.00
	Total:-		75.5	24979	14600	39,539.00
11	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					1,977.00
	Grand Total:-					41516
2nd Year Maintenance						
1	Transportation of 100 seedlings from nursery to plantation site including loading, unloading & conveyance by Tractor @ Rs.0/- per seedling.	Jul	0	0.00	600.00	600.00
2	Casualty Replacement @ 10%	Jul	2.5	615.00	0.00	615.00
3	Cost of Fertilizer & Insecticide: (a) Cost of Insecticide (Bio-pesticide @ 5 gms/plant = 0.5 kg @ Rs.150/- per kg = Rs.75/-) (b) Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo-Khaol/ any other fertilizer @ Rs.2800/-	Aug/Sept	0	0.00	2,670.00	2,670.00
4	Weeding (Complete weeding), Manuring & Soil working (1st. Diameter around the plants)	Sept/Oct	15	4,890.00	0.00	4,890.00
5	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
6	Watch & Ward including watering as per requirement	Apr-Mar	16	5,868.00	0.00	5,868.00
7	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.				1,000.00	1,000.00
	Total:-		38.5	12551	4,475.00	17026
8	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					851
	Grand Total:-					17877
3rd Year Maintenance						
1	Cost of fertilizer (Urea/ NPK/ Bio-fertilizer/ Vermicompost/ Mo-Khaol/ any other fertilizer)	Sept/Oct	0	0.00	2,500.00	2,500.00
2	Weeding, Manuring & Soil working (1st. Diameter around the plants)	Sept/Oct	15	4,890.00	0.00	4,890.00
3	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
4	Watch & Ward including watering as per requirement	Apr-Mar	16	5,868.00	0.00	5,868.00
5	Maintenance of Temporary Labour Shed, Drinking water facility and First Aid etc.	Apr-Mar			1,000.00	1,000.00
	Total:-		36	11,716.00	3,500.00	15,536.00
6	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					777
	Grand Total:-					16,313.00
4th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m. long) including maintenance of inspection path	Feb/Mar	3	975.00	0.00	975.00
2	Watch & Ward including maintenance of watering	Apr-Mar	16	5,868.00	0.00	5,868.00
	Total:-		21	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost.					342
	Grand Total:-					7,188.00


5th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		23	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
6th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Pruning of trenches, Singing out of multiple wheels	Jan-Mar	3	978.00	0.00	978.00
3	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		24	7,824.00	0	7,824.00
4	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					381
	Grand Total:-					8,215.00
7th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		23	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
8th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		23	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
9th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		23	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00
10th Year Maintenance						
1	Fire line tracing (2 m. wide fire line over 400 m length) including maintenance of inspection path	Feb-Mar	5	978.00	0.00	978.00
2	Watch & Ward including maintenance of fencing	Apr-Mar	18	5,868.00	0.00	5,868.00
	Total:-		23	6,846.00	0	6,846.00
3	Monitoring, Evaluation, Learning, Documentation & any other Contingency upto 5% of the total cost					342
	Grand Total:-					7,188.00

TOTAL COST FOR 1 HA.							
Sl. No.	Year	No. person days	Labour Cost @ Rs.325/-	Material Cost (Rs.)	Monitoring Evaluation, Learning, Documentation and other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.32,177/- per seedlings	Total Cost (Rs.)
1	0th year	57	18525	3600	1109	0	23,294.00
2	1st year	70.5	22938	14500	1977	87354.81	1,46,810.81
3	2nd year	38.5	12511	4075	851	8217.71	25,094.71
4	3rd year	38	11795	3890	777	0	16,213.00
5	4th year	21	6825	0	342	0	7,167.00
6	5th year	21	6825	0	342	0	7,167.00
7	6th year	21	6825	0	342	0	7,167.00
8	7th year	21	6825	0	342	0	7,167.00
9	8th year	21	6825	0	342	0	7,167.00
10	9th year	21	6825	0	342	0	7,167.00
11	10th year	21	6825	0	342	0	7,167.00
Total:-		358	1,16,708.00	26,475.00	7,157.00	87,354.81	2,12,952.52

TOTAL PROJECT COST FOR 3 HA.							
Sl. No.	Year	No. Man-days	Labour Cost @ Rs.325/-	Material Cost (Rs.)	MELD & Other Contingency (5% of (4+5))	Cost of Seedlings @ Rs.32,177/- per seedlings	Total Cost (Rs.)
1	0th year	171.00	55725	10800.00	3327.00	0	69,852.00
2	1st year	222.50	72417	43500.00	6931.00	17,2186.85	2,38,732.45
3	2nd year	115.50	37558	13425	2523	15633.19	58,564.13
4	3rd year	88.00	28580	11400	2331	0	42,311.00
5	4th year	64.00	20800	0	1020	0	21,820.00
6	5th year	60.00	19500	0	975	0	20,475.00
7	6th year	62.00	20150	0	1010	0	21,160.00
8	7th year	63.00	20558	0	1028	0	21,586.00
9	8th year	63.00	20558	0	1028	0	21,586.00
10	9th year	63.00	20558	0	1028	0	21,586.00
11	10th year	63.00	20558	0	1028	0	21,586.00
Grand Total:-		1078.00	3,50,124.00	79,425.00	21,471.00	1,87,837.56	6,38,857.56
OR							6,38,857.00
(Rupees Six LakhThirty-Eight Thousand Eight Hundred Fifty-Eight) Only							


 RANGE OFFICER
 SUKINDIA RANGE
 Sukinda Range Office
 Sukinda Range


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION
 Divisional Forest Officer
 Cuttack Forest Division


 ASST. CONSERVATOR OF FORESTS
 CUTTACK FOREST DIVISION
 Asst. Conservator of Forests
 Cuttack Forest Division

Matrix for Model-I A Conventional CA Plantation (AR) 1000 plants

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
Base Norm		33294	98914	23095	16313	7188	7188	8215	7188	7188	7188												212953
1	2021-22	33291	103856	25462	18884	8737	9174	11099	10114	10520	11151	11708											244007
2	2022-23		24456	109049	26735	19829	9174	9633	11559	10620	11151	11708	12294	12909									356297
3	2023-24			25678	114502	28072	20820	9633	10114	12137	11151	11708	12294	12909	13554								269018
4	2024-25				26962	120227	29475	21861	10114	10620	12744	11708	12294	12909	13554	14212							282469
5	2025-26					28310	126238	30909	22984	10620	11151	13381	12294	12909	13554	14212	14943						296492
6	2026-27						39736	132550	32497	24102	11151	11708	14050	12909	13554	14212	14943	15691					311422
7	2027-28							32112	139177	34121	23307	11708	12294	14783	13554	14212	14943	15691	16475				326993
8	2028-29								32773	146136	35827	26572	12294	12909	15491	14212	14943	15691	16475	17292			343342
9	2029-30									34411	133443	37619	27901	12909	13554	16265	14943	15691	16475	17292			360519
10	2030-31										36132	161115	39360	29296	13554	14212	17028	15691	16475	17292	18164		378533

(Rupees Two Lakh Fifty-Six Thousand Two Hundred Seven) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION
 Divisional Forest Officer
 Cuttack Forest Division

FENCING FOR COMPENSATORY PLANTATION RAISED INSIDE THE FOREST AREAS USING BAMBOO TWIGS & THRUNS (250 Rmt/Ha.)

1. MODEL	BLOCK
2. TOTAL AREA TO BE FENCED(250 Rmt./Ha.)	3 Ha.
3. Wage Rate [Per MD]	326.00

WAGE RATE Rs.326/-PER DAY						
Sl. No.	Item of work	Preferable Period of Execution	Man days	Wages	Material cost	Total Cost (Rs./Ha.)
0th Year (PPO)						
1	NIL		0	0	0	0
1st Year Maintenance						
1	Taking an average perimeter of 250 Rmt/Ha @ 93.85/mt. (Half bundle Bamboo Twigs/mt @ 120/Bundle) Labour - material = 40/60 (approx)	Sept/Oct	30	9,780.00	14,133.00	23,913.00
2	15000 poles of 8' length at a distance of 2000. Spacing to be fixed 2" wider & 2" above soil 250/2=125=1=125 Nos. of Bamboo Poles 1 Bamboo (approx) 24" height= 1 Pole 126/3=42 Bamboos @ 200/ Bamboo	Sept/Oct	-	-	8,400.00	8,400.00
3	Preparation of Bamboo Poles, Digging of holes of 2 Ft depth & fixing Bamboo poles @ 20 poles/MD	Sept/Oct	6.5	2,119.00		2,119.00
4	Cost of Bamboo for tying the Bamboo twigs row fence with double side two strand Bamboo battens (One 4" above ground and other one 4" ft above ground) 250/2=125=1=125 Bamboos @ 200/ Bamboo	Sept/Oct	-	-	4,200.00	4,200.00
5	Making Bamboo battens, Fixing the Battens & Tying the poles on double strand on Coir rope etc. Rs. 11/ Rmt.	Sept/Oct	9	2,934.00		2,934.00
6	Cost of coir rope @ Rs.11/ 125 Kg/ Rmt 800 x 0.125 Kg= 62.5 Kg @Rs.70/Kg	Sept/Oct			4,375.00	4,375.00
7	Make good Bamboo Twigs gate with Bamboo frame				300.00	300.00
	Total:-		45.5	12,899.00	31,608.00	44,507.00
Rate per running mt. 44507.00/250=178.03/Rmt						
2nd Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,520.00	1,500.00	8,020.00
Rate per running mt. 8020/250=32.08/Rmt or Rs.31-Rmt						
3rd Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,520.00	5,675.00	12,195.00
Rate per running mt. 12195/250=48.78/Rmt or Rs.48-Rmt						
4th Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,520.00	5,675.00	12,195.00
Rate per running mt. 12195/250=48.78/Rmt or Rs.48-Rmt						
5th Year Maintenance						
1	Repair & Maintenance of Bamboo Twigs fence including Material cost	Feb/Mar	20	6,520.00	5,675.00	12,195.00
Rate per running mt. 12195/250=48.78/Rmt or Rs.48-Rmt						

TOTAL COST FOR 1 HA(250Rml)

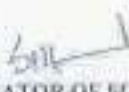
Year	No. of MD	Labour Cost	Material Cost	Total
0 th Year		-	-	0.00
1 st Year	45.50	14,833.00	31,608.50	46,441.50
2 nd Year	20	6520.00	1500.00	8,020.00
3 rd Year	20	6520.00	5675.00	12,195.00
4 th Year	20	6520.00	5675.00	12,195.00
5 th Year	20	6520.00	5675.00	12,195.00
TOTAL:-	125.5	40,913.00	50,133.50	91,046.50


TOTAL COST FOR 3 HA(0.75 Rkm)

Year	No. of MD	Labour Cost	Material Cost	Total
0 th Year	0	-	-	-
1 st Year	156.5	44,495.00	94,825.50	139,320.50
2 nd Year	60	19,560.00	4,500.00	24,060.00
3 rd Year	60	19,560.00	17,025.00	36,585.00
4 th Year	60	19,560.00	17,025.00	36,585.00
5 th Year	60	19,560.00	17,025.00	36,585.00
TOTAL:-	376.50	121,735.00	150,400.50	273,135.50
OR	377	121,739.00	150,401.00	273,140.00

(Rupees Two Lakh Seventy-Three Thousand One Hundred Forty) Only


RANGE OFFICER
SUKINDA RANGE
Deputy Range Officer
Sukinda Range


ASST. CONSERVATOR OF FORESTS
CUTTACK FOREST DIVISION
Asst. Conservator of Forests
Cuttack Forest Division


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION
Divisional Forest Officer
Cuttack Forest Division

Matrix for Fencing Model-F-1 (Bamboo Twig)

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XX	XXI	Total Cost (10 Years)
	Base Num.	0	46442	8020	12193	12195	12195															91047
1	2021-22	0	48764	8862	14117	14823	15364															102110
2	2022-23	0	51202	9284	14823	15564	16342	16342	17160													107216
3	2023-24	0	53762	9738	15564	16342	17160	17160	18018													112577
4	2024-25	0	56450	10236	16342	17160	18018	18018	18918													118205
5	2025-26	0	59272	10748	17160	18018	18918	18918	19864													124116
6	2026-27	0	62236	11285	18018	18918	19864	20858	20858													130321
7	2027-28	0	65348	11849	18918	19864	20858	21900	21900													136837
8	2028-29	0	68615	12442	19864	20858	21900	22995	22995													143679
9	2029-30	0	72046	13064	20858	21900	22995	24143	24143													150863
10	2030-31	0	75648	13717	21900	22995	24143	25406	25406													158406

(Rupees One Lakh Seven Thousand Two Hundred Sixteen) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION
 Divisional Forest Officer
 Cuttack Forest Division

SMC Works Model-C

**Cost Norms for creation of Afforestation with stabilization of Soil & Conservation of Moisture
(1000 Plants/ Ha).**

Sl. No.	Items of work	Preferable Period of Execution	Total Cost (Rs.)
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil Conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS.	Apr/Sep	20,215.00
2nd Year			
3	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
3rd Year			
4	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
4th Year			
5	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
5th Year			
6	Maintenance of SMC structures @ 15 % of initial year cost.	Apr/Jul	3,032.00
Total			32,343.00

Abstract for 1 ha.

Sl. No.	Year	No. person days	Labour Cost @ Rs. 326/- per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	20,215.00	20,215.00
3	2 nd Year	0	0.00	3,032.00	3,032.00
4	3 rd Year	0	0.00	3,032.00	3,032.00
5	4 th Year	0	0.00	3,032.00	3,032.00
6	5 th Year	0	0.00	3,032.00	3,032.00
Total		0	0.00	32,343.00	32,343.00

Abstract for 3 ha.					
SL. No.	Year	No. person days	Labour Cost @ Rs. 326/ per day	Material Cost	Total Cost (Rs)
1	0 th Year	0	0.00	0.00	0.00
2	1 st Year	0	0.00	60645.00	60,645.00
3	2 nd Year	0	0.00	9096.00	9,096.00
4	3 rd Year	0	0.00	9096.00	9,096.00
5	4 th Year	0	0.00	9096.00	9,096.00
6	5 th Year	0	0.00	9096.00	9,096.00
Total		0	0.00	97029.00	97,029.00
OR					97,029.00

(Rupees Ninety Seven Thousand Twenty Nine)only


RANGE OFFICER
SUKINDA RANGE

Range Officer
Sukinda Range


ASST. CONSERVATOR OF FORESTS
CUTTACK FOREST DIVISION

Asst. Conservator of Forests
Cuttack Forest Division


DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Divisional Forest Officer
Cuttack Forest Division

Matrix for (SMC) over 1 Ha.

Sl. No.	Common element Year	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2021-22	0	20215	2032	2032	3032	3032																52343
2	2022-23	0	21226	1743	3510	3685	3870																35034
3	2023-24	0	22287	3510	3685	3870	4053																37415
4	2024-25	0	23401	3685	3870	4053	4236																39286
5	2025-26	0	24571	3870	4053	4236	4420																41259
6	2026-27	0	25800	4053	4236	4420	4603																43313
7	2027-28	0	27090	4236	4420	4603	4786																45478
8	2028-29	0	28445	4420	4603	4786	4969																47752
9	2029-30	0	29867	4603	4786	4969	5152																50140
10	2030-31	0	31340	4786	4969	5152	5335																52647
			0	32928	5152	5335	5518																55279

(Rupees Thirty-Seven Thousand Four Hundred Fifteen) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION
 District Forest Officer
 Cuttack Forest Division

Water Model-W-II			
Water provision to Plantation			
Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wage Rate @ 326/-			
Year of Installation (0 th Year)			
1	Cost of Bore well	1,50,000.00	
2	Cost of Diesel pump Set 5 HP	60,000.00	
3	Diesel pump set & accessories like	30,000.00	
4	Water Storage Tanks/ Flexible pipes	15,000.00	
	Total	2,55,000.00	
Cost of Water per Plant (2,55,000/5000)=Rs.51/-			51,000.00
Cost of Water per Ha. =Rs.51,000/-			
1 st Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 5 Month=100 MDx326=	32,600.00	
	Total	53,600.00	
2 nd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
3 rd Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
4 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	
5 th Year Watering			
1	Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000=	21,000.00	
2	Maintenance of pump set etc@15% of the installation Cost	7,650.00	
3	Watering 1000 plants (Nov-Mar) @200plants/MD with 7 days rotation 20 MD x 8 Month=160 MDx326=	52,160.00	
	Total	80,810.00	

Abstract for 1 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0	0.00	51,000.00	51,000.00
2	1 st Year	100	32,600.00	21,000.00	53,600.00
3	2 nd Year	160	52,160.00	28,650.00	80,810.00
4	3 rd Year	160	52,160.00	28,650.00	80,810.00
5	4 th Year	160	52,160.00	28,650.00	80,810.00
6	5 th Year	160	52,160.00	28,650.00	80,810.00
Total		740	2,41,240.00	1,86,600.00	4,27,840.00

Abstract for 3 ha.					
Sl. No.	Year	No. person days	Labour cost @ Rs.326/- per day	Material Cost	Total cost (Rs.)
1	0 th Year	0.0	0.00	1,53,000.00	1,53,000.00
2	1 st Year	300.0	97800.00	63,000.00	1,60,800.00
3	2 nd Year	480.0	156480.00	85,950.00	2,42,430.00
4	3 rd Year	480.0	156480.00	85,950.00	2,42,430.00
5	4 th Year	480.0	156480.00	85,950.00	2,42,430.00
6	5 th Year	480.0	156480.00	85,950.00	2,42,430.00
Total		2220.0	723720.00	5,59,800.00	12,83,520.00

(Rupees Twelve Lakh Eight-Three Thousand Five Hundred Twenty)Only

RANGE OFFICER
SUKINDA RANGE

Shree Kunda Officer
Sukinda Range

ASST. CONSERVATOR OF FORESTS
CUTTACK FOREST DIVISION

Asst. Conservator of Forests
Cuttack Forest Division

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION

Divisional Forest Officer
Cuttack Forest Division

Matrix for Watering WH (Sheet Pump set with Borewell) over 1 Ha.

Sl. No.	Commencement Year	I	II	III	IV	V	VI	VII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	Total Cost (10 Years)
1	2001-22	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
2	2002-23	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
3	2003-24	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
4	2004-25	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
5	2005-26	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
6	2006-27	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
7	2007-28	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
8	2008-29	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
9	2009-30	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000
10	2010-31	51000	53500	56000	58500	61000	63500	66000	68500	71000	73500	76000	78500	81000	83500	86000	88500	91000	93500	96000	98500	101000

(Rupees Five Lakh Fifteen Thousand Eight Hundred Forty-Six) Only


 DIVISIONAL FOREST OFFICER
 CUTTACK FOREST DIVISION
 Divisional Forest Officer
 Cuttack Forest Division



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ANGUL, CIRCLE,
AT/PO- HAKIMPADA, ANGUL- 759145, ODISHA, Phone-06764-296010 (O), 296011 (Res).

Email Id: rcfanganul@gmail.com

Memo No. 3481/SF.FC-18/2022. Dated: 22.8.22

To

The Divisional Forest Officer,
Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1.899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stainless Limited in village Kuliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division.

Ref:- Your Memo No. 5411 dated 17.08.2022 and No.5583 dated 22.8.2022

As per condition No. A (ix) of the stage-I approval order, the scheme for plantation over degraded forest land within 100 meters from the outer perimeter of the mining lease area of Jindal Chromite Mines of Jindal Stainless Ltd. submitted vide your memo under reference is approved by the undersigned for Rs.29,15,055/- at the wage of Rs.326/- per man-day.

A copy of approved scheme is sent herewith for information and needful action. Further, you are requested to submit point-wise compliance on the stipulated conditions imposed in stage-I approval order along with CAMPA Format to this office immediately for onward transmission to the Principal CCP, Odisha.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3482/dated 22.8.22

Copy along with a copy of the above approved scheme forwarded to the Chief Conservator of Forests (Forest Diversion and Nodal Officer, FC Act), Office of the Principal Chief Conservator of Forests & HOFF, Odisha for favour of information and necessary action with reference to Memo No.5411 dated 17.8.2022 of the DFO, Cuttack Division.

Encl: As above.

Regional Chief Conservator of Forests
Angul

Memo No. 3483/dated 22.8.22

Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/s- Jindal Stainless Limited, Kuliapani, Jajpur for information and necessary action.

Regional Chief Conservator of Forests
Angul

AGENCY COPY

यूनियन बैंक Union Bank of India



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
NEFT/RTGS File No.	8-68/2000-FC PT.
Location.	ORRISA
Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	11273707/-

Amount in Words: One Lakh Twelve Lakh Seventy Three Thousand Seven Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0898335
Pay to Account No.	158825820736763 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 : 30-08-2022

Agency Name.	JINDAL STAINLESS LIMITED
Application No.	5820736763
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Address.	Jindal Stainless Limited, Kalinga Nagar Industrial Complex, Jaipur, Odisha- 755 026 Jaipur
Amount(In Rs)	11273707/-

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• 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.inNote: 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

UTR NO - 5 CARRBR 50022090289084231

Date - 30/08/2022



CONDITION NO:-B (xv)(d)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Afforestation on degraded forest land has been identified in Daitari DPF measuring one and a half times the area under safety zone. The approved financial outlay as per Scheme has been deposited in to Ad-hoc CAMPA account. The selected degraded forest land (DFL) in shape file is deposited to the MoEF&CC and afforestation shall be done within three years from the date of Stage-II clearance and maintained thereafter in accordance with the approved Plan/Scheme, in consultation with the State Forest Department.

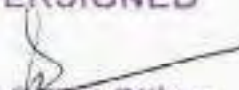
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005 (Haryana) India.

Corporate Office : Jindal Centre, 13, Bhikaiji Cama Place, New Delhi - 110 066, India.

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/xv/1/

CONDITION NO:-B (xv)(e)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the safety zone shall be maintained as per the approved Scheme and prescribed norms, under the supervision of Forest department.

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


**Divisional Forest Officer
Cuttack Forest Division**

Annexure- B/xv/vi

CONDITION NO:-B (xvi)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM[ER] & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Hon'ble Supreme Court order on re-grassing, and re-grass the mine areas and any other areas which may have been disturbed due to mining to restore them to a condition which fit for growth of fodder, flora, fauna, etc in a timely manner will be carried out.

For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO:-Kallapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.F. Jindal Marg, Hisar - 125 005, (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170591, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

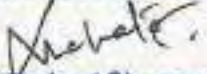
CONDITION NO:-B (xiii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that Jindal Stainless Limited is abide with the Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease as per the Mines and Minerals (Development and Regulation) Act, 1957, amended and the Rules framed there-under.

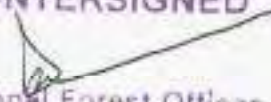
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited
Jindal Chromite Mines

At / PO : Kallapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India:

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26388345 - 60, F : +91 11 26170693, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

No.J-11015/12/2000-IA, II (M)
Government of India
Ministry of Environment & Forests
I.A. Division

Email: kamleshkjain@yahoo.com
kkjain@menf.delhi.nic.in
Tele No. 436 4968
Paryavaran Bhawan,
C.G.O. Complex, Lodi Road,
New Delhi - 110 003

February 13, 2001

Shri M. Malu,
Executive Director,
M/s Jindal Strips Ltd.
Jindal Centre,
12, Bhikaji Kama Place,
New Delhi - 110 066

Subject: Mining of chromite ore in village Kallapani, tehsil Sukhinda, district Jajpur Orissa of M/s Jindal Strips Ltd. - environmental clearance req.

This has reference to Department of Steel and Mines, Government of Orissa's letter No.7914/SM/VI-SM-108/99 (pt.I) dated 18.07.2000 and your letter No. SL/BHB/2000/051 dated 09.06.2000 and subsequent communications dated the 26.08.2000, 25.09.2000, 18.11.2000, 11.2000 and 19.01.2001 on the subject mentioned above. The Ministry of Environment and Forests has examined the application. It has been noted that the total lease area of 89.00 ha. includes 24.24 ha. of forest land. Mine is semi-mechanized. Mining would be restricted to 30.363 ha. Targeted production capacity of the mine is 0.10 million tonnes/annum. During the first four years chromite production will be 20,000 TPA. It will be increased to 80,000 tonnes in the 5th year and 6th year onwards production will be 100,000 TPA. The project does not involve displacement of people. Approvals from the Orissa Pollution Control Board and IBM have been obtained. Public hearing was held on 14.03.2000 and the proponent has agreed to implement adequate environmental protection measures and make available adequate funds for improvement of the condition of the area and peripheral area development.

The Ministry of Environment and Forests hereby accords environmental clearance to the above chromite mining project for 0.10 million tonnes/annum production capacity under the provisions of the Environmental Impact Assessment Notification, 1994 as amended on 05.1994 and 10.04.1997 subject to the compliance of the terms and conditions mentioned below:

A. Specific conditions

- (i) A comprehensive environmental impact assessment study should be carried out after getting scope of the study vetted by MoEF. Report should be submitted to the Ministry within 2 years.
- (ii) Run-off from the OB dumps should be analysed for Cr^{+6} and in case its concentration is found higher than the permissible limit, the water should be treated using appropriate proven technology before discharge. Priority should be given for utilization of this treated water for plantation and dust suppression.
- (iii) The nature of the deposit is such that finalisation of mining of deeper portion cannot be decided immediately. The present reclamation plan is therefore only conceptual. The proponent should submit a detailed reclamation plan within 5 years of the start of mining and get the same approved. In case, there is change in scope of mining plan including possible underground mining, the proponent should approach MoEF for fresh clearance.
- (iv) A detailed greenbelt development plan indicating year-wise plantation scheme, area to be covered (peripheral, roads, OB dumps, township) and type of native plant species should be submitted to MoEF within 3 months.
- (v) Top soil should be stacked properly with adequate measures at earmarked site. It should be used for reclamation and rehabilitation of mined out area.
- (vi) OB dumps should be stacked at earmarked dumpsite(s) only and should not be kept active for longer period. The overall slope of the dump(s) should not exceed 28° .
- (vii) Drills should be operated with dust extractors or only wet drilling should be adopted.
- (viii) Controlled blasting should be carried out.
- (ix) Check dam and siltation ponds of appropriate size should be constructed to arrest silt and sediments flows from OB and mineral dumps. The water so collected should be utilized for watering mining area, roads, greenbelt etc. The drains should be regularly desined and maintained properly.
- (x) While mining operation is on, regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring should be done four times a year - pre-monsoon April / May,

monsoon (August), post-monsoon (November) and winter (January). Data thus collected should be sent at regular intervals to MoEF & Central Ground Water Board.

(xi) A detailed mine decommissioning plan should be submitted to MoEF 5 years in advance for approval.

(xii) The proponent should obtain permission from other concerned authorities, if any.

A. GENERAL CONDITIONS

(i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.

(ii) No change in the calendar plan including excavation, quantum of chromite ore, waste/ OB dumps should be made.

(iii) Four Ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO₂, NO_x and CO monitoring. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.

(iv) Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bhubaneswar and the State pollution control Board/ Central pollution Control Board once in six months.

(v) Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations, loading and transportation of minerals etc.

(vi) Adequate measures should be taken for control of noise levels below 85 db in the work environment.

(vii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

(viii) The funds earmarked for Environmental Protection measures should be kept in separate account and not diverted for other purpose. Year-

wise expenditure should be reported to the Ministry of Environment & Forests.

- (ix) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated environmental safeguards. The project authorities should send one set of EIA/EMP report and mining plan to them and extend full cooperation to the officer(s) of the Regional Office by furnishing the data/information/monitoring reports.
- (x) The project authority should inform the Regional Office located at Bhubaneswar as well as to the Ministry of Environmental & Forests regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xi) A copy of the clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (xii) Orissa Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tahsildar's Office for 30 days.
- (xiii) The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Orissa Pollution Control Board and may also be seen at web site of the Ministry of Environment & Forests at <http://envfor.nic.in>.

3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.

5. The above conditions will be enforced, *inter alia*, under the provisions of water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and Public Liability Insurance Act, 1991 along with their amendments and rules.


(K. K. JAIN)
ADDITIONAL DIRECTOR

By Speed Post

F. No. J-11015/369/2009.IA-II (M)
Government of India
Ministry of Environment, Forest & Climate Change
Impact Assessment Division

3rd Floor, Vayu Wing,
 Indira Paryavaran Bhawan,
 Jorbagh Road, Allganj,
 New Delhi-110 003
 E-mail: sridhar-mef@nic.in
 Tele: 011-24695304

Dated: 24th February, 2016

To,

M/s Jindal Stainless Ltd
 6th Floor, IDCO Tower, Janpath,
 Bhubaneswar, Odisha -751022
 Fax No. 0674-2546147
 E-mail: kiran.goswami@jrd.jindalsteel.com

Subject: Enhancement of Beneficiation Plant of M/S JSL Ltd., located at village - Kaliapanim, District Jajpur, Odisha (89.00ha) (enhancing the capacity of COBP plant from 36,000 TPA to 60,000 TPA)-Environmental Clearance regarding.

Sir,

This has reference to your letter No. JSL/mines/MoEF/09-2009/01 dated 18.09.2009 on the subject mentioned above and subsequent letters dated 29.10.2010, 17.09.2013, 03.07.2014, 30.12.2014 and 02.02.2015. The project was appraised in the Meeting of the Expert Appraisal Committee (Mining) held during January, 20-22, 2010 and TORs were prescribed to the project for undertaking detailed EIA study for the purpose of obtaining environmental clearance. Accordingly, the TORs were prescribed to the project vide letter no. J-11015/369/2009-IA.II (M) dated 15.02.2010. The proponent submitted the EIA/EMP and public hearing documents which was considered by Expert Appraisal Committee in its meeting held during January 19 -21, 2011 and re-considered during February 24-25, 2014, 25-26 September 2014 and March 16-18, 2015. The Committee recommended the proposal for grant of environmental clearance.

2. The Proposal is for enhancement of production capacity of Chrome Ore Beneficiation Plant (COBP) from 36,000 TPA to 60,000 TPA by M/s Jindal Stainless Limited, located at village Kaliapani & Forest Block 27, Tehsil Sukinda, District Jajpur, Odisha. The Latitudess and Longitudes of the site are 21° 01' 12" N to 21° 02' 46" N and 85° 45' 42" E to 85° 47' 16" E, respectively. The proposal of enhancement of production capacity from 0.1 to 0.215 million TPA of chrome ore was withdrawn by the project proponent.

3. The mine lease area is 89.00 ha, which include 24.24 ha of forestland. 22.80 ha of forest land was diverted vide letter no.8-68/2000-FC/2327(F), dated 5th July,2001 from MoEF (F C Division). The Mining Scheme is approved by IBM vide Letter No. 314(3)/2011-MCCM(CZ)/MS-58, dt. 02.05.2012 and is valid till 31st March, 2017. The earlier EC was granted by MoEF for production capacity of

0.10 MTPA of chrome ore vide letter no. J-11015/12/2000-IA.II(M) dated 13.02.2001 and further additional conditions were stipulated to the Project vide letter dated 16.11.2009.

4. JSL has already been operating a chrome ore beneficiation plant since 2003, with an annual capacity of producing 36,000 tonnes of chrome concentrate and had accumulated considerable quantity of tailing assaying around 20% Cr₂O₃. During the mining of the ferruginous chromite ore having Cr₂O₃ of around 28-30% (for the existing beneficiation plant) a considerable quantity of very low grade material containing Cr₂O₃ of around 15% is produced incidentally and stacked separately. Keeping in view the conservation of mineral, JSL approached Institute of Mineral and Material Technology (IMMT), Bhubaneswar, to develop a commercially viable beneficiation technology to recover the chrome values from such very low grade ore/tailings.

5. Based on the laboratory investigations carried out by IMMT, Bhubaneswar during 2007, on the COBP tailings and very low grade ore, a common process flow-sheet was developed. The developed beneficiation technology includes both tabling and froth flotation processes. The new Plant (COBP2) will run at a feed rate of 20 TPH and a feed grade of 17 to 19% Cr₂O₃. The output (Chrome Concentrate) will be 4 TPH. The concentrate and tailing grade will be +46% and less than 10% Cr₂O₃ respectively.

6. Solid waste generation will be 43,36,225 Cum during the current mining scheme period, tailings with less than the threshold value will be 2,25,000 Cum. The solid waste and tailings will be dumped in the existing dump and or partly backfilling of the mined out quarry. Water requirement for both COBP1 and COBP2 will be 600 M³/day, which will be met with from the pit water, 85 m³/day of fresh water will be required for which, approval from Central Ground Water Authority has been sought.

7. In accordance with the TOR issued by MoEF, baseline studies were carried out during winter season from December, 2009 to February, 2010. The Public Hearing was conducted at Kaliapani Village on 31.08.2010. The PH was presided over by Sri Srikantha Nayak, Additional District Magistrate, Jajpur. The issues raised during Public Hearing were also considered and discussed during the Meeting, which inter-alia, included that there should be an ETP of adequate size, prevention of pollution caused due to dust from the mining activity, use of mine discharge water for cultivation purpose after treatment (instead of directly discharging to the Nallah), Regular Water Sprinkling for dust suppression at haulage roads and approach to the Mine, Provision of Common fund for health care / hospital facilities / Ambulance for the local people, Priority to Local people for Employment in Mines, Infrastructural development facilities for nearby Anganbadi school, etc., Construction of Pucca Road /Repair of Roads near the mine. As per the villager's requirements, it was informed by the PP that they would give preference to local employment and take initiatives for peripheral development, occupational health and other issues concerning environment.

8. The estimated capital cost of the Project is Rs 13.25 crores. There is no court case/litigation pending against the Project and no violation.

9. The Ministry of Environment, Forest & Climate Change has examined the application in accordance with the EIA Notification, 2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned proposal of enhancement of Beneficiation Plant of M/S JSL Ltd., located at village - Kaliapanim, District Jajpur, Odisha (89.00ha) (enhancing the capacity of COBP plant from 36,000 TPA to 60,000 TPA) subject to implementation of the following conditions and environmental safeguards.

A. Specific Conditions

- (i) Continuous monitoring of Mine water should be done and reports furnished.
- (ii) Continuous monitoring of all drinking water sources for Cr(VI) of Mine water should be done and reports furnished.
- (iii) Morbidity pattern which is a sensitive indicator of ill health with regard to Cr related diseases need to be done.
- (iv) Mine water discharge and/or any waste water shall be properly treated in an ETP/s for the removal of hexavalent chromium and to meet the prescribed standards before reuse/discharge. The run off from OB dumps and other surface run off shall be analyzed for hexavalent chrome and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.
- (v) The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Odisha and effectively implement all the conditions stipulated therein.
- (vi) Traffic density on the route of mineral transportation shall be regularly monitored and report shall be submitted along with compliance report.
- (vii) As part of ambient air quality monitoring during operational phase of the project, the air samples shall also be analysed for their mineralogical composition and records maintained.
- (viii) Mineral handling plant shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (ix) Effective safeguard measures such as conditioning of ore with water, regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (x) The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- (xi) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezo meters. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment, Forest & Climate Change and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional

Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the activity; necessary corrective measures shall be carried out.

- (xii) The project proponent shall regularly monitor the flow rate of the natural water streams flowing adjacent to the mine lease and maintain the records.
- (xiii) The reclaimed and rehabilitated area shall be afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest & Climate Change and its Regional Office located at Bhubaneswar on six monthly basis.
- (xiv) Dimension of the retaining wall at the toe of temporary over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
- (xv) Plantation shall be raised in the specified including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around the higher benches of excavated void to be converted in to water body, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha.
- (xvi) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xvii) Process water discharge and/or any waste water shall be properly treated to meet the prescribed standards before reuse/discharge. The runoff from temporary OB dumps and other surface run off shall be analyzed for iron and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.
- (xviii) The decanted water from the beneficiation plant and slime/tailing pond shall be re-circulated within the mine and there shall be zero discharge from the mine.
- (xix) Regular monitoring of the flow rate of the springs and perennial nallahs shall be carried out and records maintained.
- (xx) Regular monitoring of water quality, upstream and downstream of natural water bodies shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment, Forest & Climate Change, its Regional Office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
- (xxi) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board.
- (xxii) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles during transportation of mineral from mine face to the beneficiation plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.
- (xxiii) Sewage treatment plant shall be installed for the colony. ETP shall also be provided for workshop and wastewater generated during operation.
- (xxiv) Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use

pattern and report submitted to Ministry of Environment, Forest & Climate Change and its Regional Office, Bhubaneswar.

- (xxv) Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxvi) The project proponent shall take all precautionary measures during operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment, Forest & Climate Change and its Regional Office, Bhubaneswar.
- (xxvii) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.
- (xxviii) The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.

B. General Conditions

- (i) No change in chrome Ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including Processing/Beneficiation of mineral iron ore and waste should be made.
- (iii) At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM_{10}) and NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (iv) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (v) There will be zero waste water discharge from the plant.
- (vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- (vii) Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.


- (viii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (ix) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
- (x) The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xi) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xii) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment, Forest & Climate Change its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment, Forest & Climate Change, Bhubaneswar, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board.
- (xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xiv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.
- (xv) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of the Ministry of Environment, Forest & Climate Change, Bhubaneswar by e-mail.
- (xvi) The project authorities should advertise at least in two local newspapers of the District or State in which the project is located and widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest & Climate Change at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.

10. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.


12. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Odhisa and any other Court of Law relating to the subject matter.

13. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Dr. U. Sridharan)
Scientist 'C'

Copy to:

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Odhisa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Odhisha, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Odhisha, Secretariat, Bhubaneswar.
- (v) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vi) The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment, Forest & Climate Change, A-3 Chandrashekharpur, Bhubaneswar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- (viii) The Controller General, Indian Bureau of Mines, Indira Bhawan, Civil Lines, Nagpur-440 001.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Jajpur District, Government of Odhisa.
- (xi) Record File.
- (xii) MoEF Website


(Dr. U. Sridharan)
Scientist 'C'

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority (SEIAA), Orissa)

To,

The AGM MINES
 JINDAL STAINLESS LIMITED
 M/s JINDAL STAINLESS LIMITED, 14, FOREST PARK, FOREST PARK,
 BHUBANESHWAR, ODISHA 751009 -751009

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
 under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
 in respect of project submitted to the SEIAA vide proposal number
 SIA/OR/MIN/37642/2000 dated 14 Jun 2019. The particulars of the environmental
 clearance granted to the project are as below.

- | | |
|---|---|
| 1. EC Identification No. | EC22B001OR115726 |
| 2. File No. | 37642/01-MIN-V/06-2019 |
| 3. Project Type | Expansion |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | Jindal Chromite Mines, Village- Kaliapani,
Tehsil-Sukinda, District-Jajpur, Odisha |
| 7. Name of Company/Organization | JINDAL STAINLESS LIMITED |
| 8. Location of Project | Orissa |
| 9. TOR Date | 26 Aug 2000 |

The project details along with terms and conditions are appended herewith from page
 no 2 onwards.

Date: 04/04/2022

(e-signed)
 Dr. K Murugesan
 Member Secretary
 SEIAA - (Orissa)

*Note: A valid environmental clearance shall be one that has EC identification
 number & E-Sign generated from PARIVESH. Please quote identification
 number in all future correspondence.*

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PARIVESH

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 and Virtuous Environmental Single-Window Hub)*





STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY ODISHA, BHUBANESWAR

(Constituted under the EP Act, 1986 and EIA Notification, 2006 by the MoEF & CC, Govt. of India)
SRF-2/1, Unit-IX, Bhubaneswar-751022, Tel: 0674-2541029, E-mail: seiaaorissa@gmail.com

Letter No. _____

Dt. _____

File No. SIA/OR/MIN/37642/2000

Sub: Proposal for EC of Jindal Chromite Mines for enhancement of production capacity of chrome ore from 1.0 MTPA to 0.215 MTPA over an lease area 89 Ha with common boundary forest block 27 located at village-Kaliapani, Tahasil-Sukinda, Jajapur- Environmental Clearance-reg.

Ref: Your online application dated 14.06.2019 for issue of EC, vide File No: SIA/OR/MIN/37642/2000.

Sir,

This has reference to your online proposal seeking environmental clearance (EC) for enhancement of production capacity of chrome ore from 1.0 MTPA to 0.215 MTPA over an lease area 89 Ha with common boundary forest block 27 located at village-Kaliapani Tahasil-Sukinda, Jajapur, Odisha based on the Ministry's Notification, 14th March 2017 (under violation case).

2. The proposal was earlier considered for EC by the State Level Expert Appraisal Committee (SEAC) in its meeting held on 12.10.2020 under violation case.

3. The brief of the project submitted by PP and discussed in the meeting of SEIAA & SEAC are as follows:-

- i. The area is bounded between the Latitude: 21°01'04.39824"N and 21°02'03.53184"N & Longitude: 85°46'22.37448"E and 85°45'30.76020"E. The project area falls in the Khasra No. / Plot No. / Block Range / Survey No/Gut No Survey No/Gut No; Forest Block 27.
- ii. Earlier the project proponent (PP) operated the mines since 2002 under EIA Notification, 1994 with obtaining prior environmental clearance from MoEF & CC, Govt. of India vide letter No J - 11015/12/2000-IA, II (M), dated 13.02.2001 for production of 0.1 MTPA.
- iii. Then, the proposal for (i) enhancement of production from mines from 0.1 MTPA to 0.215 MTPA with (ii) enhancement of capacity of Chrome Ore Beneficiation Plant (COBP) from 35,000 to 60,000 MT per annum was applied to MoEF&CC for obtaining Environment Clearance (EC) and was presented for ToR on 22nd January, 2010.

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- iv. EAC has approved ToR for the proposal on 15th February, 2010. Based on the approved ToR, EIA/EMP was prepared and Public Hearing was conducted on 31st August, 2010 covering both proposals as mentioned above.
- v. After Public Hearing was completed for 0.215 MTPA, JSL dropped the expansion proposal of Chrome ore mining from 0.1 MTPA to 0.215 MTPA and obtained Environmental Clearance only for Chrome Ore Beneficiation Plant (COBP) to enhance the production capacity from 36,000 to 60,000 MT per annum on 24th February, 2016.
- vi. The project proponent had obtained Consent to Establish (CTE) and Consent to Operate (CTO) for enhancement of capacity of Chrome Ore Beneficiation Plant (COBP) from 36,000 to 60,000 MT per annum vide letter No. 20031/Ind-II-NOC-5299 dated 30/11/11 and vide letter No. 4258/Ind-I-CON-2562 dated 20/03/17 from State Pollution Control Board, Odisha.
- vii. Again, M/s JSL applied application at MoEF & CC for obtaining fresh ToR for enhancement in production capacity of chrome ore from 0.1 MTPA to 0.215 MTPA, which was considered by the EAC, MoEF&CC, Govt. of India on 21st July, 2016. Based on the presentation made by the PP, the committee sought additional information which was presented on 16th December, 2016 & 27th April, 2017.
- viii. The EAC recommended the proposal for grant of standard ToR with stipulated conditions subject to submission of authenticated past production details to ascertain violation of EIA notification, if any.
- ix. The PP submitted the additional information sought by EAC and during appraisal of the same, the EAC observed that excess production was made by the PP against what was approved in EC for capacity 0.1 MTPA. Based on the facts, the EAC, MoEF&CC, Govt. of India confirmed the case to be violation of EIA Notification, 2006.
- x. The MoEF&CC, Govt. of India issued the letter to close down the mining operation vide letter no-J/11015/163/2016-IA-II(M) on dated 21/02/2018 with immediate effect due to excess granted capacity production from 2002-03 to 2007-08 and also dispatched more than 0.1MTPA from 2006-07 to 2007-08 and treated as Violation case on 21/02/2018.
- xi. State Pollution Control Board did not issue Consent to Operate for the year 2018-19 vide letter No 3860/IND-CON-2562, dated 29.03.2018, due to excess production beyond the approved limit and with a remark to obtain necessary permission from MOEF & CC.
- xii. M/s Jindal Stainless Limited applied to MoEF & CC for issuance of ToR for the expansion proposal of Chrome ore mining from 0.1MTPA to 0.215MTPA vide proposal no.1A/OR/MIN/74317/2018 dated 13/04/2018, as per MoEF&CC

- Circular on violation case. M/s-JSL requested to MoEF&CC to give permission to run all COBP related operation.
- xiii. The MoEF&CC, Govt. of India vide letter no J-11015/163/2016-1A. 11(M) dated 26.09.2018 asked M/s. JSL to submit the details after examining their letter dated 26.07.2018.
 - xiv. The MoEF&CC, Govt. of India vide their letter J-11015/163/2016-1A.II(M) dated 26/12/2018, directed to ADDL PCCF (C) MoEF&CC, Regional Office (E/Z), Bhubaneswar to submit the factual report on PP's submission vide letter no. 3.10.2018 as well as compliance report of both E.C.'s (No. J- 11015/12/2000-1A.II(M) dated 13/02/2001 and J-11015/369/2016-1A.II(M) dated 24.02.2016.
 - xv. Joint Director(S), Regional Office, MoEF&CC, Bhubaneswar issued Certified Compliance report after monitoring the site on 10.01.2019, as desired by MoEF&CC New Delhi.
 - xvi. Closure report w.r.t. certified compliance report submitted to MoEF&CC, New Delhi vide letter No 101-664/EPE/467, dated 07.03.2019 duly signed by Joint Director /Scientist -D.
 - xvii. As per violation case, M/S Jindal Stainless Limited had applied to MoEF&CC for issuance of ToR for the expansion proposal of chrome ore mining from 0.1 MTPA to 0.215 MTPA vide proposal no. 1A/OR/MIN/74317/2018 dated 13.04.2018.
 - xviii. In the meantime, the project proposal was reclassified into B-category project as the lease area is less than 100 Ha(<100ha) as per Notification dated 14.08.2018 of MoEF & CC. Therefore, this project proposal was transferred to SEIAA, Odisha for disposal. Presentation was made by the project proponent before SEIAA/SEAC and accordingly ToR has been issued vide letter no 1098/SEAC-180 dated 14.12.2018 for enhancement of production of chrome ore from 0.1 MTPA to 0.215 MTPA.
 - xix. Mining scheme approved for the period 2012-13 to 2016-17 vide letter no. 314 (3)/2011/MCCM (CZ) / MS-58 of 2nd May, 2012 and subsequently approved for 0.215 MTPA of opencast mining with common boundary mining till 31st March 2022 vide letter No. MS/FM/13-ORI/BHU/2016-17/7383, dated 29th December, 2016.
 - xx. The total mine lease area is 89.0 Ha and stage-1 forest clearance (FC) was obtained earlier for 22.80 ha forest land vide letter no. B-68/2000-FC/2327(F), dated 5th July 2001. As per Hon'ble Supreme Court guidelines of 10th March, 2015 remaining non-forest area of 66.20 Ha is treated as forest as per Sabik record and later the project proponent has obtained stage-1 FC for 66.20 ha forest land vide letter no. B-68/2000-FC (Pt.) on dated 29th March 2022.
 - xxi. The mining lease 89.00 ha, of forest land (in village Kallapani and forest block-27) was executed in favour of M/s Jindal Strips Ltd. on 04.01.2002 for a period of

20 years w.e.f 04.01.2002 to 03.01.2022. Subsequently name of lessee M/s Jindal Strips Ltd. was changed to M/s Jindal Stainless Ltd. on 26.12.2007 after obtaining necessary permission from Govt. of Odisha

- xxii. The Director of mines has clarified vide letter 835 dt. 29.01.2022 that the lessee had discontinued the mining operation more than 2 years continuously for which the lessee has applied before the State Govt. to save the lease from lapsing as required under Rules-20 (3) of MC Rules, 2016. Accordingly, Govt. have considered the aforesaid mining lease not to be declared as lapsed. As such, the said lease is subsisting non-working mine. The validity period of the said mining lease may be extended under section 8A (3) of MMDR Amendment Act, 2015. The lessee has requested on dated 10.09.2021 to Govt. in Steel & Mines Dept as well as to this Directorate for consideration of extension of the validity of lease period under MMDR Amendment Act, 2015 for a period of 50 years with effect from the grant of original mining lease, i.e. upto 03.01.2052 which is under consideration.
- xxiii. Development and Production from the Quarry-2 and common boundary mining i.e. Eastern boundary of M/s Jindal Stainless Limited and western boundary of M/s Balasore Alloys Limited is the proposed area of working. From common boundary mining the blocked ore shall be mined out/recovered by both the lessees.
- xxiv. Mining operation will be continued by both the lessees simultaneously. The direction of the quarry shall be north-south.
- xxv. It has been proposed to dump the overburden or waste at Dump No-1. Presently garland drain of 2360 m long, retaining wall of 440 m and two no. of settling tanks exist. Towards south side of dump-1 and north side of reclaimed area, garland drain of 380 m long and retaining wall of 380 m shall be constructed. Check dams shall be constructed intermittently across the garland drain to check / arrest sediments flowing with water.
- xxvi. About 815 KLD of water will be required for the project, out of which 55 KLD will be sourced through Ground water and 760 KLD from mine quarries.
- xxvii. It has been reported by the PP that there is no wildlife sanctuary/tiger reserve/national park, etc. within the 10 km radius area around the mine lease.
- xxviii. Damsala Nala is the main perennial which flows in the south west direction and is located towards the northern side of the leasehold at a distance of 0.6 km away from the northern boundary. Various first and second order streams both from the northern and southern slopes of Mahagiri and Daltary hill range join on to the Damsalanala which finally discharge in to the Brahmaniriver.
- xxix. The southern part of the area is bounded by a dry nala. The drainage pattern of the buffer zone has natural drainage such as Damsalanala in the near vicinity of the leasehold. The dry nala in the southern part carries the surface run-off during

monsoon and ultimately converge with Damsalanala towards north-western part of the leasehold.

xxx. The cost of the project is Rs. 4.00 Crore.

4. It has been reported by the PP that there is no court case/litigation pending against the project.
5. During 2002-03 to 2007-08 (6years) the production figure has exceeded 0.1 MTPA for which Deputy Directorate of Mines, Govt. of Odisha has raised a demand note of 77,52,97,589/- vide office letter no. 568/Mines dated 11.04.2018 as per judgment of Hon'ble Supreme Court of India. He has paid the compensation assessed amounting to Rs. 77,25,97,589/- on account of excess mining vide reference no. CKR3593060 dt. 08.09.2021.
6. The PP has obtained Stage-I forest clearance for the whole area of forest land in the mining lease.
7. The PP has submitted undertaking to pay further Rs. 4,11,25,000/- towards cost of Remediation Plan and Community Resource Augmentation Plan over and above the bank guarantee for Rs.1,17,98,900/- already submitted towards the cost of implementing this plan, with SPCB. Bank guarantee for this balance amount shall be submitted to SPCB, Odisha by the 30th April, 2022.
8. According to SOP dated 07.07.2021, penalty @1% of project cost and @0.25% of turnover cost is to be paid for the violation case. The PP may submit a penalty amount of Rs.71,97,700/- to SPCB by 30th April, 2022 in addition to the above mentioned amount. The SEIAA have already addressed the Govt. of Odisha to launch prosecution under section 19 of EP Act, 1986 for violation committed.
9. Again, as a part of additional information sought from SPCB on contamination of hexavalent chromium in surface or ground water in the vicinity of this mining area, the said report has been submitted by SPCB, Odisha and the finding say that there is no hexavalent chromium contamination in surface or ground water in the vicinity of this mining area. The issue however remains relevant, and preventive and counter measures have to be taken at all times by all lease holders in the area.
10. The SEAC issued ToRs for EIA study under violation case vide letter no. 1098/SEAC-180, dated 14.12.2018. Specific ToR was issued on account of the violations committed by the PP in terms of MoEF & CC Notification dated 14.03.2017, stipulating preparation of an independent chapter comprising assessment of ecological damage with respect air, water, land and other environmental attributes, preparation of EMP comprising remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation. The PP has submitted a separate chapter, as directed, in the Final EIA report, and EMP with report of public hearing already conducted for this project on 31.08.2010. The relevant points emerging from the EIA report submitted by the PP are as follows:

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- a. The total water requirement for the project will be 48 KLD domestic use (20KLD-soak pit), 217 KLD for Industrial (180KLD-dust suppression + 37 KLD-plantation), water requirement for beneficiation plant-1 is 2500 KLD (recycling of water from tailing pond-2250 KLD+make up water- 250 KLD), water requirement for beneficiation plant-2 is 3000 KLD (recycling of water from tailing pond-2700KLD+make up water-300 KLD). Permission has been obtained from CGWA for withdrawal of 1785 cum/day ground water. Rain water harvesting provision having capacity-300m length x200m width.
- b. There is no wildlife sanctuary within 10km radius of the mining lease area as the lease mining located within forest land the degradation of forest land due to mining activity and impact on wildlife. Accordingly, the PCCF(Wildlife) & Chief Wildlife Warden, BBSR has approved the site specific wildlife conservation plan on 12.09.2016.
- c. The PP has submitted a plan for reclamation, post mine land use and progressive greenbelt development plan.
- d. The PP has mentioned that he will provide the health facility, ambulance, improvement of road condition, self-employment programme, drinking water facility, education and development facility for local people.

The PP has assured to fulfill the above demand along with demand raised in the public hearing held on 31.08.2010.

The PP on his own has submitted vide his letter dated 09.09.2021 to SEIAA, an amount of Rs.5,29,23,900/- to be spent for implementing the Remedial Plan & Natural & Community Resource Augmentation Plan.

11. The project proponent along with the consultant **M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar** made a detailed presentation on the proposal.
12. The SEAC recommended the proposal in its meeting held on 12.10.2020 for grant of Environmental Clearance on the basis of documents furnished by the PP i.e. Form-1, Pre-feasibility report, Form-2, Approved Mining Plan, Final EIA/EMP report along with earlier public hearing proceeding. Based on recommendation of the SEAC, the SEIAA, Odisha hereby accords the EC for enhancement of production capacity of chrome ore from 1.0 MTPA to 0.215 MTPA over an lease area 89 Ha with common boundary forest block 27 located at village-Kaliapani, Tahasil-Sukinda, Jajapur, under provision of the EIA Notification, 2006 and subsequent amendments/circulars thereto and subject to the compliance of the following terms & conditions and environmental safeguards mentioned below:-
 - a. The SEAC and SEIAA recommended for an amount of Rs.5,29,23,900/- towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years.
 - b. Remediation plan shall be completed in 3 years whereas bank shall be for 4 years. The bank guarantee shall be released after successful implementation of

the Remediation plan and natural & Community Resource Augmentation Plan, followed by recommendations of the SEAC and approval of the SEIAA, Odisha. However, the amount required to be spent would be known only when a proper assessment of the damages caused is made, and a proper remediation plan is prepared for the same. The components of any such remediation plan would be restoring the ambient air quality; mitigating the pollution caused to the nearest River and Dhamasala Nalla in the vicinity of the mine on account of runoff from waste dumps; the adverse impact on biodiversity, wildlife, forest, soil quality of the adjoining areas; the impact on health of local residents on account of high noise, dust, etc. adverse impact on account of silt deposit in the surrounding agricultural land, impact of chromium conc. Both surface and ground water sources, etc.

The State Environment Impact Assessment Authority (SEIAA) after considering the proposal, submission of information by PP and recommendations of SEAC, Odisha hereby accords Environmental Clearance in favour of the project valid from the date of Environmental Clearance accorded upto the lease period under the provisions of EIA Notification 2006 and subsequent amendments thereto, subject to strict compliance of all stipulated conditions, as follows. Detailed half yearly compliance report of these conditions has to be submitted by the project proponent to the Member Secretary, SEIAA on the 1st June and 1st December each year.

Stipulated Conditions:

A. Specific conditions:

1. All leached water from OB dumps shall be taken into settling tanks. More than one such tank may be needed to be constructed to collect all such water. The water after settling has to be pumped to ETP of adequate capacity i.e. 250 KLD; and water allowed to be discharged to surrounding areas (approved drain) shall conform to acceptable standards of BOD, E-Coli, Cr⁺⁶ Conc. etc. There shall be monitoring station for continuous measurement of discharge water quality at the site.
2. Air quality of mining area shall be maintained at all times, and monitoring station shall be set up for the purpose to keep the SPM 2.5 and SPM 10 levels in check at acceptable levels.
3. In a 10KM radius the PP shall promote agroforestry in farmers' own lands to bring back tree resources in the area which might have undergone wanton destruction, as is usual in mining belts. 50,000 trees of suitable evergreen species shall be raised in nursery to 1m height and such saplings shall be given free to beneficiaries of this area for planting. Maintenance and Nursing of the plants shall also be paid for, and

managed by the PP till the plants get established. This is part of the remediation plan.

4. Ground water recharge: Adequate provision shall be made for ground water recharge by having adequate no. of rain water harvesting pits having capacity 300 m length x 200 m width x 8 meter depth.
5. Storm water and leached water for treatment shall be led in separate pipes.
6. A new membrane based technology evolved by NIT, Rourkela shall be adopted to prevent build up of hexavalent chromium contamination of surface water and ground water of surrounding areas; and for removal of the said contaminants etc. from tailing pond, etc.
7. The PP undertakes that there shall be "Zero-Discharge" of water from the mining operation out-side the lease hold area, and also that all rainwater falling in this area shall be conserved within the area by measures of pondage and harvesting pits. These measures shall be faithfully carried out and shall be regularly monitored by SPCB and the regional office of the MoEF&CC.
8. Where required, retaining wall, settling pond and check dam shall be constructed within the lease hold area for conservation of rain water and prevention of soil loss.
9. Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt. and to this effect, the proponent shall submit an undertaking in form of a legal affidavit.
10. Slope study by an expert of repute of waste dumps to be done and submitted within six months from the date of issue of EC to SEAC / SEIAA.
11. Traffic density study if not done by domain expert, then the expert to be ratified / authenticated by domain expert and submitted within a month time.
12. The site will be visited by the sub-Committee of SEAC after six months to review the progress of recommendations of SEAC on specific conditions.
13. Waste should be dumped on the earmarked sites within the mining lease area and no waste should be dumped outside the lease area.
14. The Project Proponent shall start the plantation indigenous plant species to cover at least 50% of the proposed area under plantation in the next 5 years. The density of the plantation should not be less than 1500 saplings/Ha. The species to be selected for the plantation should be in consultation with local forest department or any other expert agency engaged for the same. The Project Proponent shall keep the record of saplings planted, survival rate, area covered under plantation, location etc. In addition to this gap filling needs to be done to as and when require for maintaining the density of plantation. The PP shall submit the drone images of area before and after the plantation. PP shall carry out pilot study for phyto-remediation of hexavalent chromium through IMMT, CSIR, Bhubaneswar. The budget earmarked for the plantation shall be kept in separate bank account and audited annually. PP shall submit the detail such as geo-coordinate photographs (before & after with geo-

location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation and outcome of the pilot study etc. to the Regional Office of MoEF & CC, Bhubaneswar and SEIAA, Odisha before 1st July and 1st December of every year for the activities carried out during previous year.

15. Approval/permission of CGWA/SGWA shall be obtained before drawing ground water for the project activities. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
16. The Project Proponent shall fulfill the Commitment made during PH held on 31.08.2010.
17. The amount proposed under **Corporate Environment Responsibility (CER)** head should be kept in a separate bank account and should be audited annually. The PP should annually submit the audited statement and details of implementation of CER activities along with proof of activities viz. photographs (before & after with geo-location date & time), purchase documents, photographs & Geo-location of the infrastructures/facilities developed, etc. to the Regional Office of MoEF&CC, Bhubaneswar and SEIAA, Odisha before 1st July and 1st December of every year for the activities carried out during previous year.
18. The amount (except occupational health) proposed under Environmental Management Plan (EMP) head should be kept in a separate bank account and should be audited annually. The PP should annually submit the audited statement and detailed environment monitoring report along with proof of activities viz. photographs (before & after with geo-location date & time), purchase documents, sampling reports, photographs & Geo-location of the infrastructures/facilities developed, details of persons engaged in Environment Management Cell etc. to the Regional Office of MoEF&CC, Bhubaneswar and SEIAA, Odisha before 1st July and 1st December of every year for the activities carried out during previous year.
19. The Project Proponent shall set up an Environmental Management Cell comprises of persons having qualification and experience in the field of environment along with supporting staff. The details of the same needs to be submitted to the SEIAA, Odisha within 3 months of the grant of EC.
20. The project proponent shall give an undertaking inter-alia include commitment of the PP not to repeat any such violation in future.
21. In case of violation of above undertaking, the Environmental Clearance shall be liable to be terminated forthwith.
22. The Project Proponent shall implement the short term and long term measures proposed to be taken in order to get rid from the adversity of Cr (VI) contamination, needs to be implemented and status report of the same along with benefit occurred

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needs to be submitted to Regional Office of MoEF&CC, Bhubaneswar and SEIAA, Odisha annually.

23. The Project Proponent shall keep a record of each blasting viz. location, number of holes, delay assigned of each hole, explosive quantity of each hole, blasting pattern etc.
24. The following two more relevant studies in context of sensitive site with reference to Hexavalent chromium Contamination shall be conducted and report to be submitted to SEIAA, Odisha within 6 months of the re-opening of the mine.
 - (i) Core drilling permeability test through MECL, Nagpur or any other competent bodies.
 - (ii) Selection of Core sample study for porosity / permeability test to ascertain ground water flow & direction through competent organization.
25. Take effective measures for prevention of dust generation by regular water sprinkling at and around all haulage roads, loading/unloading points, mine extraction areas, material yards, and crushing Zones transportation points; and to control PM2.5 and PM10 levels in the air. Water Sprinklers fitted with sensors shall be mounted on all moving transport vehicles like trucks, etc. carrying ore/mineral, so that water sprinkling is automatic when the vehicle moves.
26. Mineral handling area like crushers, belt conveyors, etc. shall be provided with adequate high efficiency dust extraction system to provide efficient dust control. Such arrangement shall be made at loading and unloading areas; all transport points, beneficiation plants. These equipment's like bag filters, vacuum suction hoods, dry fogging system etc. must be properly operated and maintained. The belt conveyers must be fully covered.
 - a. Transportation of all ores and minerals shall be carried out in covered trucks, and these vehicles shall not be overloaded.
 - b. Haulage roads shall be provided with permanent water sprinkling and wetting arrangement (such as tanker-mounted water sprinkling system).
27. Use suitable water-soluble dust suppressing chemicals, at critical locations.
28. All particulate matter emission sources shall be regularly monitored by installing the required equipment at pre-decided locations. External monitoring shall be by SPCS/ third party engaged by SEIAA.

STANDARD CONDITIONS

Statutory compliance

- 1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- 2) Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall

not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.

- 3) The Project Proponent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- 4) The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- 5) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
- 6) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- 7) State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- 8) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the
- 9) State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record.
- 10) The Project Proponent shall inform the SEIAA, Odisha for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

Air quality monitoring and preservation

- 11) The Project Proponent shall install a minimum of 1 (one) online Ambient Air Quality Monitoring Stations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM 10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PC/II, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the

exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.

- 12) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

Water quality monitoring and preservation

- 13) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEF&CC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 14) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- 15) The Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- 16) The Project Proponent shall undertake regular monitoring of natural water course/

water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEF&CC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April- May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

- 17) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
- 18) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEF&CC annually.
- 19) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- 20) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

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Noise and vibration monitoring and prevention

- 21) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- 22) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
- 23) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

Mining plan

- 24) The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt., in the form of Short Term Permit (STP), Query license or any other name.
- 25) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- 26) The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding

afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEF&CC and its concerned Regional Office.

Land reclamation

- 27) The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
- 28) The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
- 29) The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
- 30) The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
- 31) The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
- 32) Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
- 33) Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining

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water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.

- 34) The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.
- 35) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 36) Slope study by an expert of repute of water dumps to be done and submitted within six months from the date of issue of EC to SEAC / SEIAA.

Transportation

- 37) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load.
- 38) The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
- 39) The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging

system etc. shall be installed at Crushers, belt- conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

- 40) Haulage road shall be developed and maintained perennially and perpetually by the proponent in construction with the concerned authority of the Govt. and to this effect, the proponent shall submit an undertaking in form of a legal affidavit
- 41) Traffic density study if not done by domain expert, then the expert to be ratified / authenticated by domain expert and submitted within a month time.

Green Belt

- 42) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- 43) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- 44) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
- 45) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
- 46) And implemented in consultation with the State Forest and Wildlife Department. A

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copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

Public hearing and human health issues

- 47) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEF&CC Regional Office and DGMS on half-yearly basis.
- 48) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
- 49) The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric, for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one).

X-Ray must meet ILO criteria (17 x14 inches and of good quality).

- 50) The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities, (c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
- 51) The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- 52) Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
- 53) The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on Implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.
- 54) The proponent shall implement the mitigative measures as suggested in the Study Report on effect of chromite mines to nearest human habitation.
- 55) Occupational health check-up shall be done by occupational health expert periodically for employees as well as nearby villagers.
- 56) Issues raised and recorded in proceedings of public hearing w.r.t. environment / pollution / CER shall be complied by the Mining Authority as per OM F. No. 22-65/2017-(A.III, dated 30.09.2020 of MoEF&CC, Govt. of India.

Corporate Environment Responsibility (CER)

- 57) As per the MoEF & CC, Govt. of India Office Memorandum dated 30.09.2020, the project proponent is required to prepare and implement Corporate Environment

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Responsibility (CER) Plan. The activities proposed under CER shall be restricted to the affected area around the project. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration. The activities proposed for CER shall be implemented and to be completed within three years and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF & CC annually along with audited statement and to the District Collector. It should be posted on the website of the project proponent.

- 58) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF & CC, Bhubaneswar, SPCB, Odisha along with the Six Monthly Compliance Report.
- 59) The mine shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of Environment Impact Assessment (EIA) report.

Miscellaneous

- 60) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC, Bhubaneswar and SEIAA, Odisha.
- 61) The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- 62) It shall be mandatory for the project management to submit six (06) monthly compliance reports on post environmental monitoring in respect of the stipulated terms and conditions in this Environmental Clearance to the State Environment Impact Assessment Authority (SEIAA), Odisha, SPCB & Regional Office of the Ministry of Environment & Forest, Odisha in hard and soft copies on 1st June and 1st December of each calendar year. The proponent shall also upload the compliance report including results of monitored data, as applicable in the website of the Ministry for monitoring of EC Conditions.
- 63) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Odisha State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company

along with the status of compliance of EC conditions and shall also be sent to the respective to the MoEF & CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.

- 64) The project proponent shall install solar panel inside the mine to generate 5KW of power required for Administrative Building as proposed.
- 65) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEF&CC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- 66) A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC, Bhubaneswar and SEIAA, Odisha.
- 67) The proponent shall revalidate the explosive license beyond 31.03.2020 without which explosives shall not be stored / used.
- 68) The concerned Regional Office of the MoEF & CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
- 69) In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 70) The SEIAA, Odisha or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 71) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 72) The SEIAA, Odisha may revoke or suspend this EC, if implementation of any of the above conditions is not satisfactory. The SEIAA, Odisha reserves the right to alter /modify the above conditions or stipulate any further condition in the interest of environment protection.
- 73) The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public

Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.

- 74) The site will be visited by the sub-Committee of SEAC after six months to review the progress of recommendations of SEAC on specific conditions.
- 75) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,

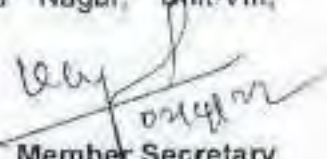

Member Secretary

Memo No. _____ / Dt. _____

Copy to

1. **Joint Secretary (Environment)**, Ministry of Environment, Forests and Climate Change Govt. of India, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi-110003 for information.
2. **Additional Chief Secretary**, Forests & Environment Dept., Government of Odisha for information.
3. **Member Secretary**, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
4. **Additional Principal Conservator of Forests**, Regional Office (EZ), Ministry of Environment & Forests, A-31, Chandrasekharapur, Bhubaneswar for information.
5. **Member Secretary**, CGWA, 18/11, Jamnagar House, Man Singh Road, New Delhi-110011 for information.
6. **Collector, District Magistrate, Jajapur**, for kind information and necessary action.
7. **Secretary, SEAC**, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information.
8. Guard file for record.




Member Secretary

Signature valid

Digitally signed by M. K. Murugesan
Member Secretary

Date: 4/4/2022 3:58:28 PM

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Annexure- 8/xx/IX

CONDITION NO:-B (xv)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shilb Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that no labour camp will be established on the forest land and the Jindal Stainless Limited will provide alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas.

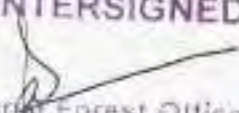
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kallapani - 755 047, Dist : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India.

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 066, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/xv/x

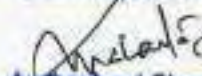
CONDITION NO:-B (xvi)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the boundary of the diverted forest land, mining lease, safety zone, as applicable will be demarcated on the ground at the project cost by erecting four feet high reinforced cement concrete pillars, each inscribed with serial number, distance from pillar to pillar and GPS coordinates.

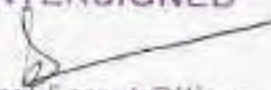
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

327
**Jindal Stainless Limited
Jindal Chromite Mines**

AL / PO : Kalipani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

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T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO:-B (xvii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the layout plan of the mining plan proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.

For Jindal Stainless Limited

Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

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Annexure- *B/XV/XII*

CONDITION NO:-B (xviii)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.

For Jindal Stainless Limited

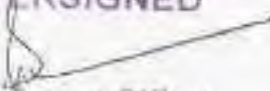
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

329
**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

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Annexure- B/xv/xii

CONDITION NO:-B (xix)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that no damage to the flora and fauna of the adjoining area shall be caused.

For Jindal Stainless Limited

Jindal Stainless Limited

(Signature)
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

(Signature)
Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalijapani - 755 047, Dist. : Bapatpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

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T : +91 11 26188345 - 50, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

Annexure- B/W/xy

CONDITION NO:-B (xx)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the fund will be transferred as per approved plan by PCCF, Wildlife and Chief Wildlife Warden, Odisha for creation and maintenance of alternate habitat /home for avifauna, whose nesting trees are to be cleared .

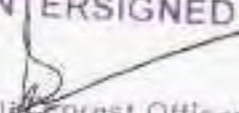
For Jindal Stainless Limited
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

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T : +91 11 26188345 - 60, F : +91 11 26170691, 25161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO:-B (xxi)

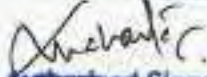
UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the Annual Self Compliance Report in respect of the condition stipulated in Stage-I approval, will be submitted to the State Government, Regional Office(EZ), MoEF&CC, Bhubaneswar and to this ministry by the end of March every year.

For Jindal Stainless Limited

Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kallapani - 755 047, Dist : Jajpur, Odisha, India

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Annexure- 8/11/16

CONDITION NO:-B (xxii)


UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).

For Jindal Stainless Limited

Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kalapani - 755 047, Dist. : Jajpur, Odisha, India

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T : +91 11 26188445 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO:-B (xxiii)

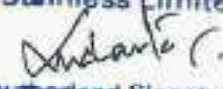
UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife.

For Jindal Stainless Limited

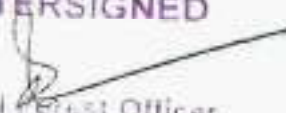
Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kallipani - 755 047, Dist. : Jajpur, Odisha, India

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Annexure-

CONDITION NO:-B (xxiv)

B/xv/xviii

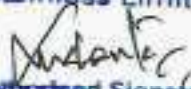
UNDERTAKING

PROPOSAL NO.:- FP/OR/MIN/20736/2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that the provision of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order(s) and NGT Order(s) pertaining to this project, if any, for the time being in force, as applicable to the project will be complied.

For Jindal Stainless Limited


Jindal Stainless Limited


Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED


Divisional Forest Officer
Cuttack Forest Division

Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jagpur, Odisha, India

T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : D.P. Jindal Marg, Hisar - 125 005, (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaji Cama Place, New Delhi - 110 065, India

T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

CONDITION NO:-B (xxv)

UNDERTAKING

PROPOSAL NO.:- FP /OR/MIN /20736 / 2016

I, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited do hereby undertake that no Violation will be committed against any of the condition stipulated in approval of MoEF&CC, Forest Conservation Act, 1980 and Handbook of Comprehensive Guidelines of Forest (Conservation) Act, 1980 issued by MoEF&CC vide letter nn 5-2/2017-FC dated 28.03.2019.

For Jindal Stainless Limited

Jindal Stainless Limited

Shib Sankarshan Mahanta
Authorized Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Cuttack Forest Division

336

**Jindal Stainless Limited
Jindal Chromite Mines**

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India

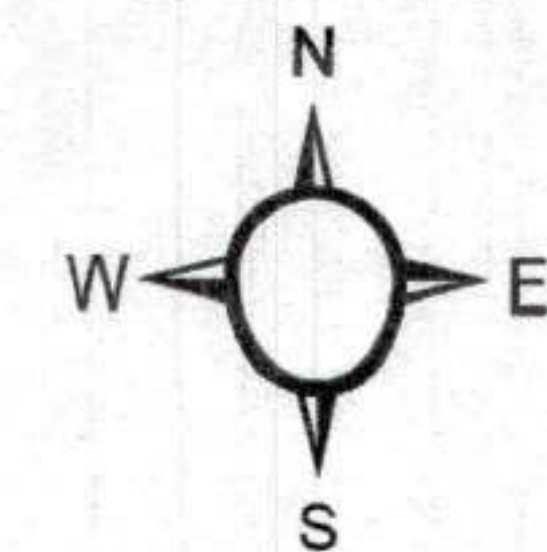
T : +91 6726 268545, F : +91 6726 268315, E : jindal_mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India

Corporate Office : Jindal Centre, 12, Bhikaaji Cama Place, New Delhi - 110 066, India

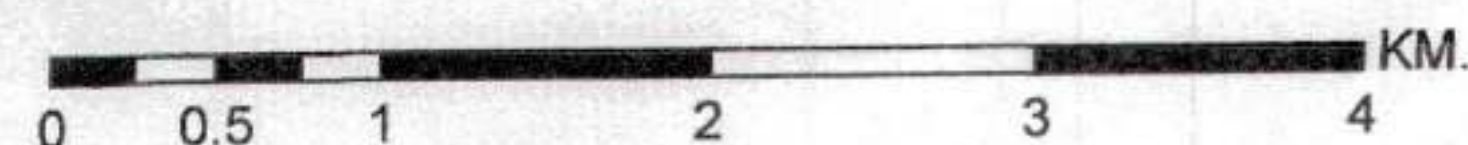
T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : info@jindalsteel.com, Website : www.jindalstainless.com

PLAN SHOWING PROPOSED AREA FOR AFForestation OVER 1 & 1/2 TIMES OF SAFETY ZONE AREA (i.e. 3ha of Degraded Forest) UNDER DAITARI PROTECTED FOREST.



SCALE:- 1:50,000

DAITARI PROTECTED FOREST



PILLAR NO	LATITUDE			LONGITUDE		
	DEGREE	MINUTE	SECOND	DEGREE	MINUTE	SECOND
1	21	6	27.56	85	43	50.61
2	21	6	22.98	85	43	51.8
3	21	6	23.57	85	43	56.42
4	21	6	20.41	85	43	55.22
5	21	6	20.06	85	43	50.42
6	21	6	24.91	85	43	46.51

Forester
Ransol section

Asst. Range Officer
Sukinda Range

Asst. Conservator of Forests
Cuttack Forest Division

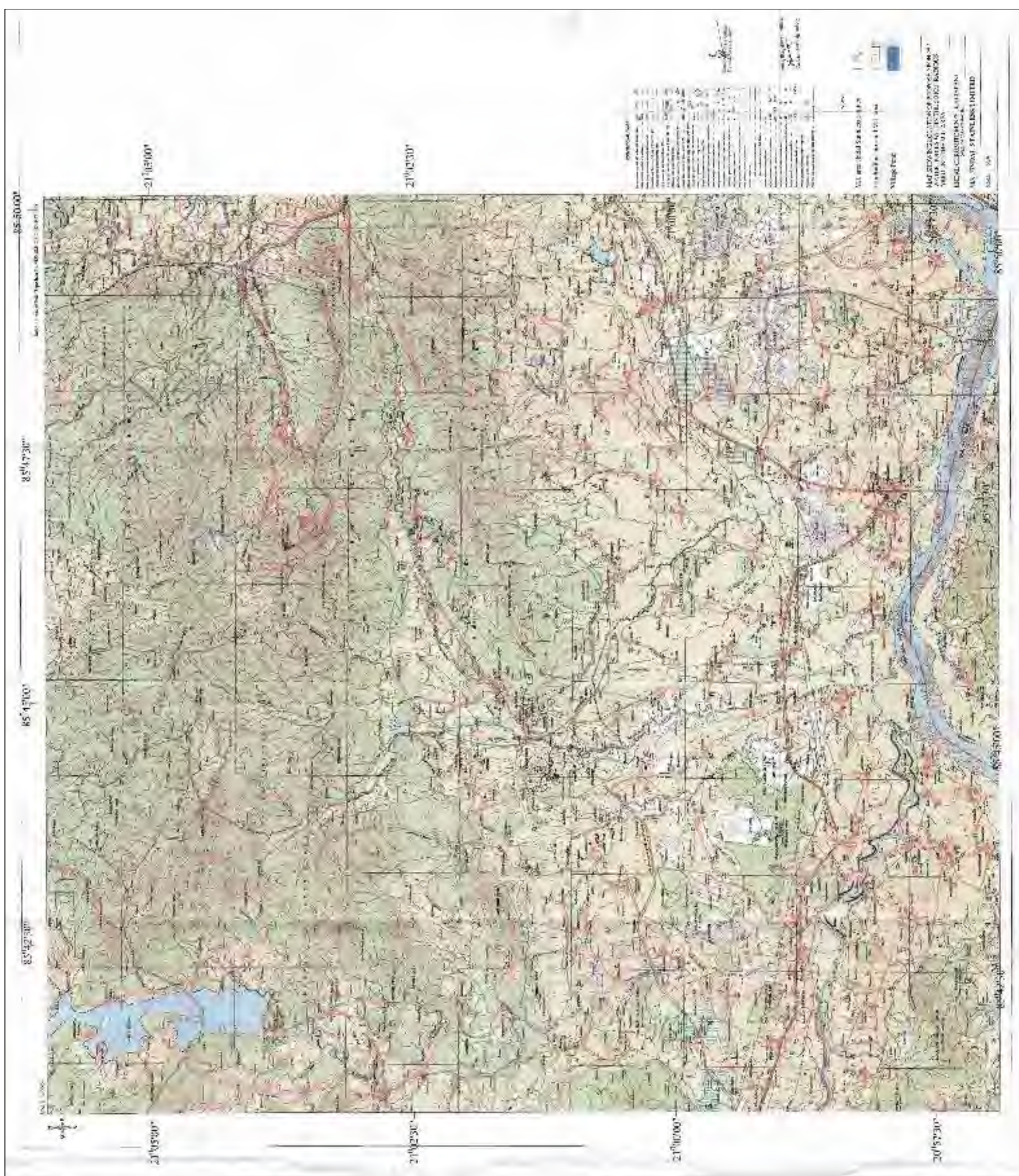
Divisional Forest Officer
Cuttack Forest Division

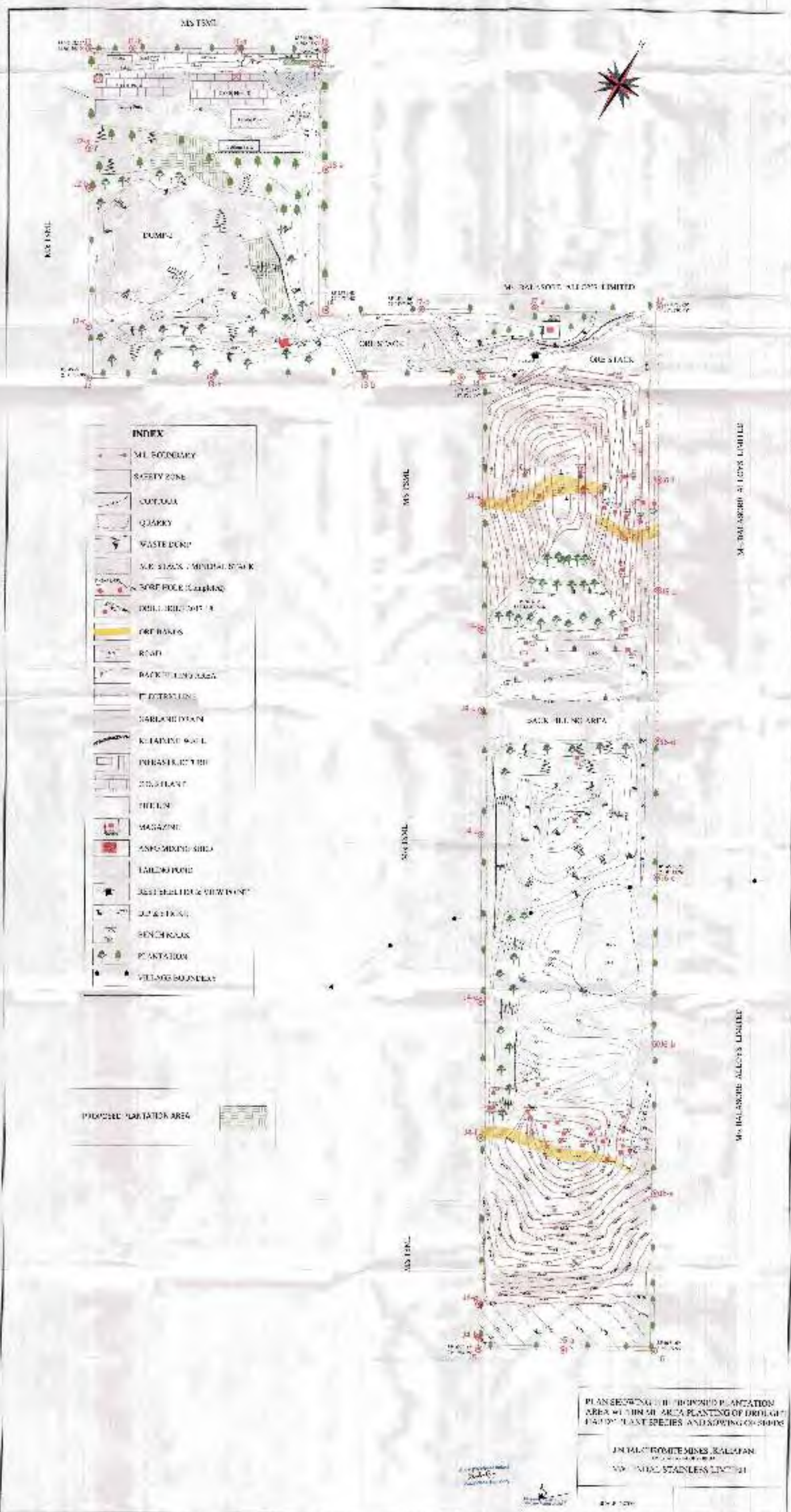
Jindal Stainless Limited
Authorised Signatory

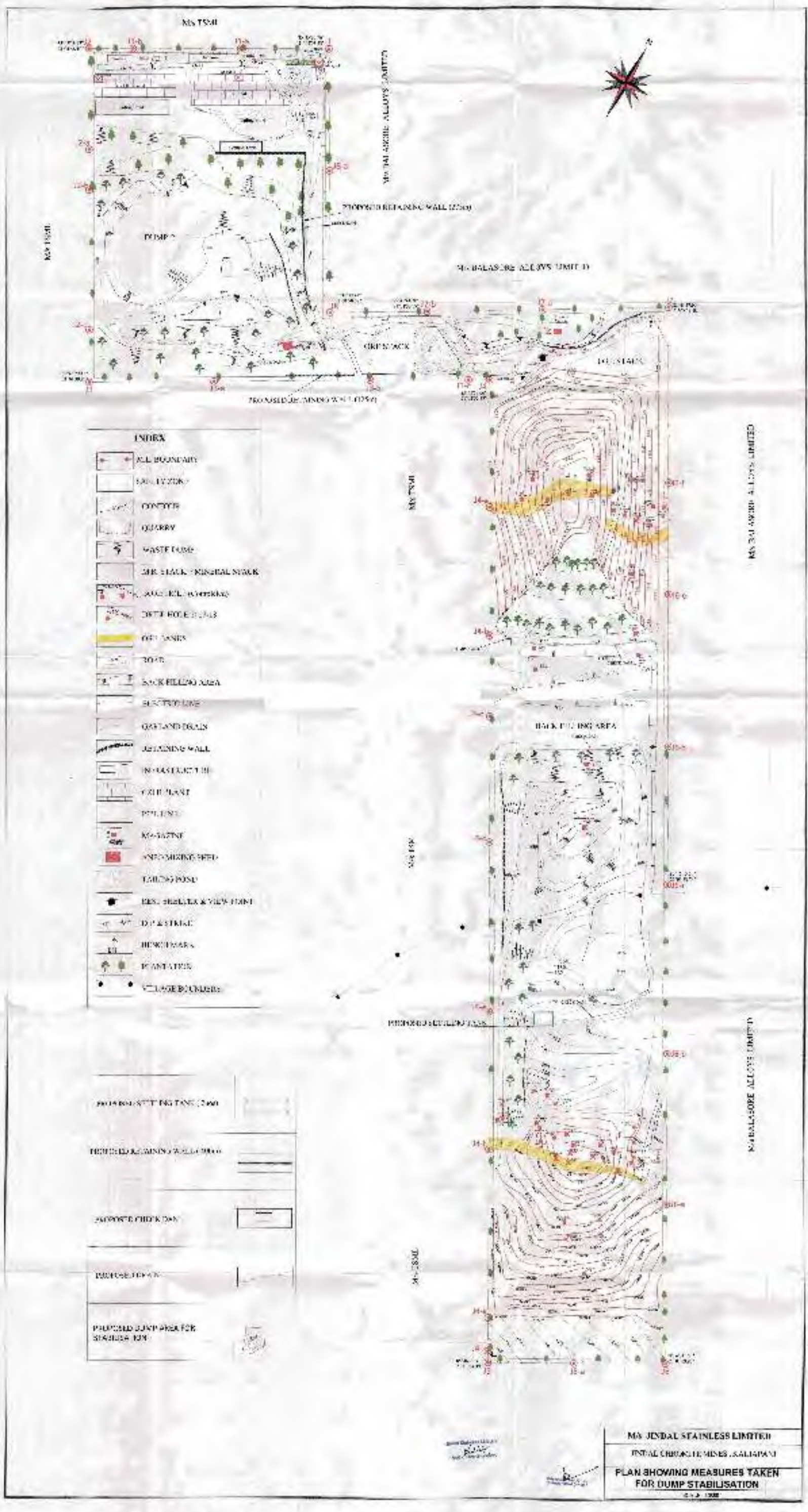
Legend

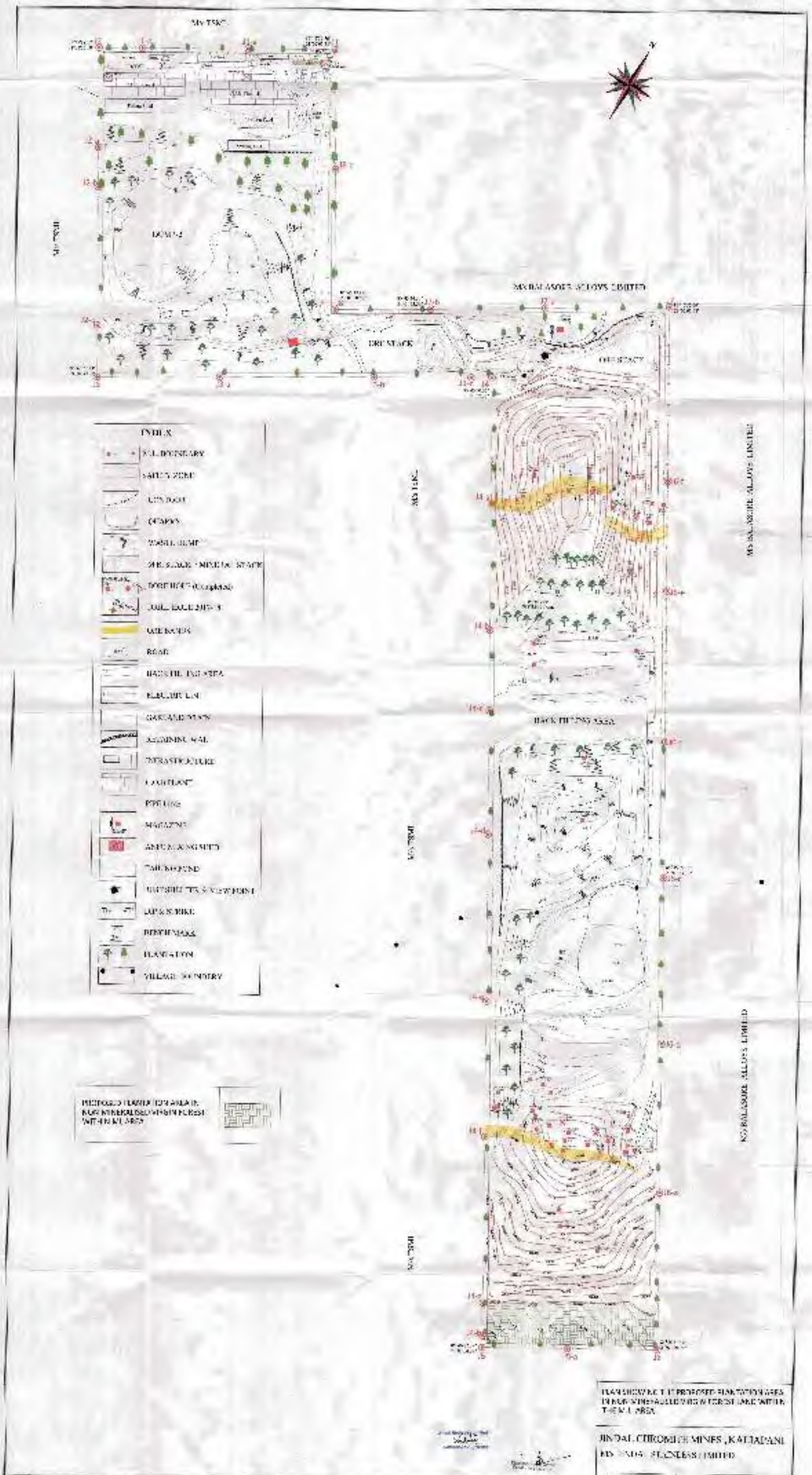
- PROPOSED CA PILLAR
- PROPOSED CA BOUNDARY
- DAITARI DPF













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PROPOSED SAFETY ZONE AREA (1.899 HA) FOR PLANTATION



PLAN SHOWING THE SAFETY ZONE
AREA OF 1.899 HA FOR PLANTATION
MS 250V, MS 250V, MS 250V
MS 250V, MS 250V, MS 250V



