

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.



Jindal Stainless Angles

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:

| SI.<br>No. | Condition  | Compliance   |
|------------|--|--|
| NO.        | Condition No. (i)  | The good of Community Afficients   |
| 1          | 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 CAMPA, 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- |
| 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 CAMPA 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-   |
| 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 Sage-II 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-   |
| 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 or 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-   |
| 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-  |  |
|---|---|---|--|
| 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-  |  |
| 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- |  |
| 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/);   | 1) CA : Rs. 03,71,94,200/-<br>2) NPV : Rs. 09,05,82,836/-   |  |
| 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 restort and rejuvenate the degraded open forests of an area of 3.18ha (having crown density less than 0.40) located with 100 meters from outer perimeter of the Mining Lease have 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 CAMI        |  |

| 10 | Condition No. (x)  The User Agency shall prepare a list of existing village tanks and other water bodies with GPS coordinates located within five km from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF & CC before Stage-II approval; |  |  |
|----|---|--|--|
| 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-  |  |
| 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;  | 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 |  |

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-   |  |
| 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. |  |

|  |  | 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  Necessary Undertaking and the approval of Plan /Scheme is enclosed as Annexure-  |  |
|--|--|--|--|
| 15   | 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;  | Necessary undertaking is enclosed as Annexure-   |  |
| Condition No.(iv)  The project authority needs to take up works for construction and cleaning of garland drains, stabilizing Necessary undertaking and the approximately a |  | The Scheme has been approved by RCCF, Angul Circle with a financial outlay of Rs. 1, 26, 67,330/  Necessary undertaking and the approval of Plan /Scheme is enclosed as Annexure-  |  |
| 17   | 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;  | 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.  Necessary Undertaking and approval of Plan /Scheme is enclosed as Annexure-  |  |
| 18   | Condition No.(vi)  Prevention of fall of wild animals into mining pit by fencing the open pit area to be ensured;  | Undertaking to fence the open pit area for prevention of fall of wild animals into mining pit is enclosed as Annexure-   |  |
| 19   | Condition No.(vii)  The angle of repose in OB dumps to be maintained to ensure stability and safety;  Undertaking to maintain the angle of repose dumps to ensure stability and safety is enclosed.  Annexure-   |  |  |
| 20   | 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;  | Necessary undertaking is enclosed as Annexure-   |  |
| 21   | Condition No.(ix)  The Compensatory afforestation over equivalent nonforest 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; | Compensatory Afforestation scheme over an Area of S.645 ha of Non Forest Land has be approved@1000 plants/ha. by Chief Conservator forest, At least 1000 saplings per inted over admissible CA land. If this not int these many seedlings in the identified over seedlings will be planted in degraded for the prescription of the Working Plan at User Agency. In such cases CA cost will be ally approved by the competent authority  Compensatory Afforestation scheme over an Area of S.645 ha of Non Forest Land has be approved@1000 plants/ha. by Chief Conservator Forests, Forest Diversion & Nodal Office, FC Act, PC Odisha; vide memo no. 16346, dated 23.08.2022. The approved financial outlay of Rs. 3,71,94,200/the Compensatory Afforestation scheme over an Area of Non Forest Land has be approved@1000 plants/ha. by Chief Conservator Forests, Forest Diversion & Nodal Office, FC Act, PC Odisha; vide memo no. 16346, dated 23.08.2022. The approved financial outlay of Rs. 3,71,94,200/the Compensatory Afforestation scheme over an Area of Non Forest Land has be presented to prove the project cost. At least 1000 saplings per outlet over admissible CA land. If this not the project cost is the project cost. At least 1000 saplings per outlet over admissible CA land. If this not the project cost is the project cost. At least 1000 saplings per outlet over admissible CA land. If this not the project cost is the project cost. At least 1000 saplings per outlet over admissible CA land. If this not the project cost is the project cost. At least 1000 saplings per outlet over admissible CA land. If this not the project cost is the project cost. At least 1000 saplings per outlet over admissible cost is the project cost. At least 1000 saplings per outlet over admissible cost is the project cost. At least 1000 saplings per outlet over admissible cost is the project cost. At least 1000 saplings per outlet over admissible cost is the project cost. At least 1000 saplings per outlet over admissible cost is the project cost. At least 1000 saplings per outl |  |
| 22   | Condition No.(x)  At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an  | Necessary undertaking to pay the additional amount of NPV, if so determined in future is enclosed as   |  |

Authorised Signatory

|  | 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-   |  |
| 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 it |  | 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— |  |
| 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; |  |  |
|  | 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: -   |  |  |
| 26   | a. Mitigative measures to minimize soil erosion and<br>choking of stream shall be implemented within a<br>period of three year with effect from the issue of<br>Stage II clearance in accordance with the<br>approved Plan in consultation with the State<br>Forest Department;  | this regard necessary undertaking and Copy of  |  |
|  | <ul> <li>Planting of adequate drought hardy plant species<br/>and sowing of seeds, in the appropriate area<br/>within the mining lease to arrest soil erosion in<br/>accordance with the approved scheme;</li> </ul>   | with a financial outlay of Rs. 13, 89,665/-, vide memo   |  |
|  | c. Construction of check dams, retention/toe walls<br>to arrest sliding down of the excavated material<br>along the contour in accordance with the<br>approved scheme:   | with a financial outlay of Rs. 16, 03,505/-, vide memo   |  |
|  | d. Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles or  | Scheme /Plan has been approved by RCCF, Angul Circle with an financial outlay of Rs. 1,26,67,330/-, vide memo  |  |

|    | repose at any given place is less than 28°; and | regard necessary undertaking and Copy of approved Scheme is enclosed as Annexure-  |
|----|---|--|
| e. |   | 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- |

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: -

| SI.<br>No. | Condition  | Compliance  |
|------------|--|---|
|            | a. User agency shall ensure demarcation of safet zone (7.5-meter strip all along the inner boundary of the mining lease area), and if fencing, protection and regeneration be erecting adequate number of 6 feet high RC boundary pillars inscribed with DGF coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department.  | 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/-   |
|            | <ul> <li>Boundary of the safety zone of the minimulease, adjacent to habitation/roads, should to properly fenced by the user agency;</li> </ul>  | OE .  |
| 27         | c. Safety zone shall be maintained as green be<br>around mining lease and to ensure den<br>canopy in the area, regeneration shall be take<br>up in this area by the user agency at proje<br>cost under the supervision of the State Fore<br>Department;  | over an area of 1.899ha has been approved by RCCF, an Angul Circle with an financial outlay of Rs. 20,29,980/ct, vide memo no. 3310/5F.FC-18/2022, dated 06.08.2022.  |
|            | d. Afforestation on degraded forest land to selected elsewhere, measuring one and a hit times the area under safety zone, shall also done at the project cost under the supervision of the State Forest Department. The degrad forest land (DFL) so selected will be informed the MoEF&CC with shape files before Stage approval and afforestation will be done with three years from the date of Stage-II clearant and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department; and | 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 |
| -2         | <ul> <li>The State Government and the user ager<br/>shall ensure that safety zone is maintained<br/>per the prescribed norms;</li> </ul>   | cy  |

| 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-  |
|----|---|---|
| 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-  |
| 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. EC22B0010R115726, dated 04.04.2022.  Copies of Environmental Clearance are attached as Annexure- |
| 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-  |
| 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; | coordinates and will be maintained accordingly.   |
| 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;   |   |
| 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;   |   |
| 35 | Condition No.(xix)  No damage to the flora and fauna of the adjoining area shall be caused;   |   |

| 36 | 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 ecofriendly materials shall be used in the area, including forest area and human settlements, adjoining the forest area being diverted for the project; | Necessary Undertaking is enclosed as Annexure- |
|----|--|--|
| 37 | 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;   | Necessary Undertaking is enclosed as Annexure- |
| 38 | Condition No.(xxii) The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);  | Necessary Undertaking is enclosed as Annexure- |
| 39 | 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;  | Necessary Undertaking is enclosed as Annexure- |
| 40 | 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   | Necessary Undertaking is enclosed as Annexure- |
| 41 | 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.  |  |

Jindal Stainless Limited

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Authorised Signatory

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

Memo No. Dated, BBSR, the 2April, 2022

The Divisionni Forest Officer Cattack | Athamattik Forest Division

Sub: Proposal for non-forestry use of 66.20 ba forest land (including safety zone area safety zone 1,899 ha) under Section 2 (b) of the Forest (Conservation) Act, 1980 in respect of Jindat Chromite Mines of M/s Jindal Sminless Limited in village Kaliapani and Forest Block No.27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division-regarding

Memo No.6449/ FE & CC dated 02 fl4,2022 of OSD-cum-Special Secretary to Convergment Ref In FE & CC Department

In inviting a reference to the above cited correspondence of OSD-cum-Special Secretary to Covid in FF&CC Depti, 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 tta of non-forest Govt. land identified in village Screnda, Khamara, Badubahal, Gunthapuda and Lubamanda under Risboranegas Tohosil of Handapa Range of Athamallik Forest Division percenting to the above project anomating to Rs.3,25,85,600/- (Rupees Three every twenty five labby eighty five flows and are foundred) only has been approved by CCF (FD & NO, FC Act) at the mass rate of Release 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, Counck 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 compensation, house on the osen agency for payment through PARIVESH web portal of MoFF & CC and submit the deposit particular (in prescribed CAMPA format) of the amount paid pertuning 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 farest land by the State Forest Department & Part-B (25 nos, which need to be strictly complied on field after handing over or forest land to the user agency by the State Forest Department but the compliance in form of studentaking shall be submitted prior to Stage-B approval) conditions imposed by Coll Alai F & C.L. New Delhi in their 'Stage-Fin-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 RCCF for onward transmission to Government of India; Mobil & C.C. New Delhi.

Chief Conservator of

Forest Diversion & Nodal Officer, FC Act.

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| Memo No 8265 Dt.   | ief Conservator of Forests. (WL) & CWLW. Odisha for  |
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| Copy forwarded to the Principal Ch   | ference to FE & CC Deptt. Memo No 6448/FF&CC   |
| 0.02.04.2022 to his address.   | Chief Conservator of Forests Forest Diversion & Nodal Officer, FC Act  |
|  | Conservator of Forests, Angul Circle for information & CC Deptt.6449/FE&CC dt.02.04.2022 to his address.   |
| *  | And the same of th |
| 0 - 1-   | Forest Diversion & Nodal Officer, TC Acc   |
| Department   Director of Miles   | Forest Diversion & Nodal Officer, FC Act    3  |
| No.6450/E&CC dt 02 04.2022 to their  | Chief Conservator of Forests   |
| 10   | Transport Principal Principal Parties of Parties and P |
| 8 208 DI   | 13.04-2022<br>Under Stainless Ltd. At/Po-Kaliapani.  |
| Copy forwarded to the Authori<br>Dist Jajpur, Odisho, Pin-755047 for in<br>Deptt. Memo No.6451/FE&CC dt.02.0 | formation and necessary action with reference to FE & CC   |
| 2569   | 15.14.2000   |
| Memo No. I Di Copy forwarded to OSD-Cum- information and necessary action with FE-& CC dated 02.04.2022.     | Special Secretary to Government, FE & CC Department for reference to that Depti letter No:10F(Cons)58/2021-6447/   |
|  | Cinci Conservator of Forests   |
|  | Court Dissertion & Nadel Officer FC Act  |

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Financial Outlay for Compensatory Afforestation Scheme over an area of 65,645 ha of non-forest government land identified in village Screnda. Khamara, Badahahat, Gunthapada and I chamanda under Kishem Nagar Tahasil of Hundapa Range of Athmatlik Forest Division of August District in lieu of diversion of Lanua PRF of Jamankira (WL) Range of Benna (WL) Division under Sambalpur District in lieu of diversion of forest land for Jindal Chromite Mines. Kallapani in Sukmon Range under Jajpur District of M/s Jindal Stainfess Steel Ltd.

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

| St. | Description  | Amount (Rs.)  |
|-----|--|---|
| A.  | PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)  |   |
| 3   | Cost of Block Plantation @ 1000 plants per ha over 65 645 ha  @ Ks.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<br>@ 100 nos. per ha @ Rs.63.00 per staggered trench over<br>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 63.645 ha                                     | 4,30,206.00   |
|     | Torat (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<br>Kms @ Rs.4.19.331/- per ha / 250 Rmt with 10 years<br>maintenance (As per approved one-time cost norm for CA) | 1,71,08,705.00  |
|     | Total  | Rs.3,15,85,537,00<br>Or rounded off to<br>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 takhs eighty five thousand six hundred) only

Approved

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

Forest Discrete Colonia Market Mary FC Aut.



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 peethotf@odisha.gov.in / nodal.peefodisha@gmail.com

Memo No.

/9F (MG) - 377/2019

6343 Dated, Bhubaneswar the

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 Sukioda 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 Athurallik 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)

Dt Memo No.

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 (Node

| 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 (Vodal)

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 (No. 1)

Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-forest Government land identified in village Screnda, Khamara, Badabahal, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Afformallik 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)

| SI.<br>No. | Description   | Amount (Rs.)  |
|------------|---|---|
| A.         | PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)   |   |
| I,         | 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   @ 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. (a) 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<br>Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years<br>maintenance (As per approved one-time cost norm for CA)                                  | 1,71,08,705.00  |
|            | Total   | Rs.3,71,94,132,00<br>Or rounded off to<br>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  |
| - 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) Olo PCCF & HoFF, Odisha, Bhubaneswar.

5

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

E. Stail afforcame lagorishm-gov. in

Na. 3879 3F (Friest Diversion) 02/2022

Counck the 29 th April 2022

To

The Authorized Significes, M's Jindal Simpless Ltd., Ar/Po- Kallingmi, Dist-Jajpur, Odisha, Pin, 755047.

Subc

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 Indal Chromite Mines of 64/5 findul Stainless Limited in village Kaltapson, under Sukinda Tahmil of Japun District (under Cuttack Forest Division)

Rafi

Memo No. \$264 dt. 13:64:2022 of the Chief Conservator of Forests, Fb-& No. FC Act, Ozo the PCCP & HoFF, Odisha Bhithageswar.

Sir

With reference to above correspondence it is to inform that Chief Conservation of Forests, Forest Diversion & Nodal Officer, FC Act has technically approved the financial our lay of Rs.3.25.85,6002 (Rupees Three Crops Twenty five Latch Eighty Pive Thousand Six Hundred) only towards Compensatory Attountation science over an area of 63.643 to 67 per-fixest land identified in village Serenda, Khamara, Bactababat, Combapada and Latananada under Kishaneragar Tahasil of Handapada Range of Atlantidik Forest Division as per wage rate of Rs. 315/- per areas-day with 10 years majorestance.

Hence, you are requested as make averagement for payment of Rs. 3,15,85,600; (Ropers Three Crose Fifteen Lakis Eight) Live Thousand Six Hundren) only with the Adhoe Body of CAMPA through the e-payment module and submit required evidence in respect of the payment to this office for reference and orward transmission. Similarly at per me approved schoole you are requested to provide one solar power plant and one celticle number LED wall for awareness to the Divisional Forest Officer, Athanasisk Division in read

Years faithfully,

Divisional Forest Division.

Copy for kind information to:

L. The Regional Chief Conservator of Forests, August Circle, Arigul.

 The Chief Conservator of Forest, Chief Conservator of Forests, ED & NO, FC Au. Ologie PCCF & HoFF, Odisha, Bhubaneswar.

3 The Divisions Forest Officer, Athurnalik Division, Athenneix.

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

Tel: 9671-2340443 FAX: - 9671-2347611 Email: - dfo.cuttack@odisha.gov.in No. 5681 /5F (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, Bhnbaneswar, 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 outbay for Compensatory Afforestation Scheme over an area of 65.645 ha of Non-Forest Government land identified in village Serenda, Khamura, Badabahal, Gunthapada and Luhamunda 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 Immedial 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) unly with the Adhoc hody of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-payment module & submit the receipt of the deposition to this office for rendy 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 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







NEFT / RTGS CHALLAN for CAMPA Funcs

Date : 30-08-2022

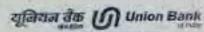
| Agency Name.    | JINDAL STAINLESS  |
|-----------------|---|
| Application No. | 5020736763  |
| MoEP/SG FIN No. | 8-68/2009-FC PT.  |
| Lecation.       | ORRISA  |
| Address.        | Jindal Steinless Limited,<br>kallinga Nasar Industrial<br>Complex, Jajpur, Odisha-<br>755 026Jajpur |
| Amount(in Re)   | 1127370774  |

Amount in Words Otte Crive Twelve Last Severily-These Transport Seven Hundred and Seven Rupose. Only

NEFT/RTGS to be made as per following details;

| Berieficiary Name:      | DIRRISA CAMPA  |
|-------------------------|--|
| IFSC Code:              | UBIN11986335   |
| Pay to Account No.      | 150825020730763<br>Valle only for this<br>caultan amount.  |
| Dank Name 5<br>Address: | Upion Bank Of India<br>Lodhi Complex Branch,<br>Block 11,000 Complex,<br>Phase I, Lodhi Roed, New<br>Delhi -110003 |

 This Chaffian is strictly to be used for making payment to CAMPA by HEFT/RTGS only BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date: 30-08-2022

| Ageracy Names.   | ANDAL STAINLESS<br>LIMITED  |
|------------------|---|
| Application No.  | 5820736783  |
| MoEFISG File No. | \$-88/2008-FC PT.   |
| Location.        | ORRISA  |
| Address          | Jindak Staintess Limitosi,<br>kolinga Nagar Industrial<br>Complex, jegpur, Cellaha-<br>755 026 Jajpur |
| Amount(in Re)    | 11273707/-  |

Amount in Words Core Copie Tealer Lash Sevents-Throc Trousand Seven Hardred and Seven Rupets Only

NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| FSC Code:               | UBM0906335   |
| Pay to Account No.      | 150825820736763<br>Valid only for If Is<br>shallon almount   |
| Back Name &<br>Adoress: | Union Bank Of India<br>Lodhi Complex Brench,<br>Block 11 CGO Complex,<br>Phase I, Lodhi Road, New<br>Delhi -110003 |

This Challan is strictly to be used for making payment to CAMPA by REFT/RTGE only

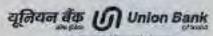
After making successful payment, User Apencies may send a line of confirmation through Email: helpdeskcampa@corpbank.co.in

Note: After making the required payment through challen, if the payment status has not been updated even after 7 working days, then kindly mall a copy of your challen with transaction date to Email; cb0371@unionbankolindia.com

UTR NO -1 CARBR 52022090289084231



AGENCY COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date : 06-06-2022

| Agency Name  | JINDAL STAINLESS<br>LIMITED  |
|--|--|
| Application No.  | 5820736218   |
| MoEF/SG File No.   | 8-68/2000 FC PT.   |
| Location   | ORRISA   |
| Address.   | Jindai Stainless Limited,<br>katinga Nagar Industrial<br>Complex, Jajpur, Odisha-<br>755 026Jajpur |
| Amount(in Rs)  | 57198380/-   |
| The second secon |  |

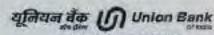
Amount in Words : Five Cone Seventy-One Last Ninery-Eight Thorsend Three Hundred and Eighty Ruposs Only

NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| IFSC Code:              | UBIN0903710  |
| Pay to Account No.      | 150825820736218<br>Valid only for this<br>challan amount   |
| Bank Nome &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11,CGO Complex,<br>Phase I, Lodhi Road, New<br>Delhi -110003 |

This Chadau is strictly to be used for making payment to CAMPA by NEFTIRTGS only

BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date | 05-06-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED  |
|------------------|--|
| Application No.  | 5820736210   |
| MoEF/SG File No. | 8-68/2000-FC PT.   |
| Location         | ORRISA   |
| Address:         | Jindal Stainless Limited,<br>Kallinga Nagar Industrial<br>Complex, jajpur, Odisha-<br>755 026 Jajpur |
| Amount(in Ra)    | 57198380/-   |

Assumt In Words: Five Crore Seventy-Dee Lake Nicety-Eight Transport Transport Funded and Clighty Rupees, Only

NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| IFSC Gode:              | UBIN0903710  |
| Pay to Account No.      | 150825820736219<br>Vesid only for this<br>challan amount.  |
| Bank Name &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11;CGO Complex,<br>Phase I, Lodhi Road, New<br>Delhi -110003 |

 This Challon 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

RTGS UTE-CONFERSON22000883982179

कृते केनरा बैंक For Canara Bank

und under Chief Manager



OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & HOFF PLOT NO. GD-2/12, ARANYA BHAWAN, CHANDRASEKHARPUR BITUBANESWAR-751023

E-mail-: nodal pecfhoff andisha.gavan / nodal pecfodisha@gmail.com

Memo No

6343 Dated, Bhubaneswar the

/9F (MG) - 377/2019 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 Aindal Stainless Limited in village Kaliapani and Forest Block No.27 of Mahagiri DPF in Sukinda Pahasil 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 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 only signed by you along with the updated Stage-I compliance.

Encl - Revised financial outlay

Conservator of Forests YNoda

Dt Memo No.

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 (Noda)

| Memo No Dt  |  |
|---|--|
| Copy alongwith a copy of the<br>Officer, Athmallik Forest Division for<br>Encl - Revised financial outlay | revised financial outlay forwarded to the Divisional Fore-<br>information & necessary action |
|   | Conservator of Forests Mala  |

Memo No.

De

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 (Notif)

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 Atamallik Forest Division of Angul District in licu of diversion of forest land for findal Chromite Mines, Kaliapani in Sukinda Range under Jajpur District of M/s Jindal Stainless Steel Ltd.

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

| SI. | Description   | Amount (Rs.)  |
|-----|---|---|
| ۸.  | PLANTATION ACTIVITIES:<br>(To be deposited in Adhoe-CAMPA)  |   |
| 1.  | @ Rs.1,75,251.46 per ba without provision of fencing with 10 years maintenance (1 years 6 months old seedling)  | - 1,15,04,382.00  |
| 2,  | Soil Conservation Measures:   |   |
| 1   | (i) Cost of staggered trench of size 2.5 mt X 0.5 mt, X 0.5 mt<br>@ 100 nos. per ha @ Rs.65.20 per staggered trench over<br>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<br>Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years<br>maintenance (As per approved one-time cost norm for CA)                                  | 1,71,08,705,00  |
|     | Total   | Rs.3,71,94,132,00<br>Or rounded off to<br>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) Ofc PCCF & HoFF, Odisha, Bhubaneswar. OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION AT: - GHATAKULA, NUAPADA, CUTTAK 753010

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

No 5681 /5F (Forest Diversion) 61/2018 Dated, Cuttack the 25 th August, 2022

Tu

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 (construction) 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 da23,08.2022 of the Chief Conservator of Forests(Nodal), O/o the PCCF & HoFF, Bhubmeswar, 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, Gunthapada and Luhamunda under Kishore Nagar Tahasil of Handapa Range of Athamatik Forest Division pertaining to the above project has been approved by Chief Conservator of Forests (Forest Diversion & Noda) Officer, FC Act), O/o PCCF & HoFF, Bhubaneswar with financial outlay for Rs. 3,81,94,200,00/- as 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 medule & submit the receipt of the deposition to this office for ready sufcrence. Similarly, as per the approved scheme you are requested to provide one solar power plant and one vehicle mounted LED walt for awareness to the Divisional Forest Officer, Athamalik Division in kind.

Yours Faithfully

Divisional Fore African

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



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NEFT / RTGS CHALLAN for CAMPA Funds

Date: 30-08-2022

| Argentzy Names   | JINOAL STAINLESS   |  |  |  |  |  |
|------------------|--|--|--|--|--|--|
| Apolication No.  | 5820736768   |  |  |  |  |  |
| MoEF/SG File No. | 8-88/2000-FC PT.   |  |  |  |  |  |
| Location.        | DRRISA   |  |  |  |  |  |
| Andress.         | Jindul Stainless Limited,<br>kalinge Negar Industrial<br>Complex, Jajour, Odista-<br>755 026Jajpur |  |  |  |  |  |
| Amount(in Hs)    | 11273707/-   |  |  |  |  |  |

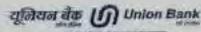
Amount in Words : One Cram Twelve Cake Soverfly-Trinel Thousand Seven Humber and Seven Rupees, Only

# NEFT/RTGS to be made as per following details;

| Beneficiary Name:        | UBIN0096330  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|
| U-SC Code:               |  |  |  |  |  |  |
| Pay to Account No.       | 150825820736763<br>Valid anily for this<br>challen amount  |  |  |  |  |  |
| Dank Harms &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11,CGO Complex,<br>Phase I, Lodhi Road, New<br>Delni -110903 |  |  |  |  |  |

This Challen is strictly to be used for making payment to CAMPA by NEFTIKTGS only

BANK COPY







NEFT/RYGS CHALLAN for CAMPA Funds

Date : 30-96-2022

| Agency Name.     | JINDAL STAINLESS  |  |  |  |  |  |
|------------------|---|--|--|--|--|--|
| Application No.  | 5820736763  |  |  |  |  |  |
| MoEF/SG File No. | 8-68/2000-FC PT.  |  |  |  |  |  |
| Location.        | ORRISA  |  |  |  |  |  |
| Address          | Jindal Stateless Limited.<br>Kallega Nagar Industrial<br>Complex, Jajpur, Octahu-<br>755 026 Jajpur |  |  |  |  |  |
| Amount(in Rs)    | 11273707/-  |  |  |  |  |  |

Amount in Words (One Cross Telelive Lokin Seventi-Three Thousand Seven Hundred and Seven Rupless, Grily

## NEFT/RTGS to be made as per following details;

| Beowlielary Name:       | ORRISA CAMPA UBIN0906335  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|
| IFSC Code:              |   |  |  |  |  |  |
| Pay to Account No.      | 150825329736763<br>Valid only for this<br>challen arroyal.  |  |  |  |  |  |
| Sank Name &<br>Address: | Union Bank Of India<br>Leghi Complex Branch.<br>Block 11, CGO Complex.<br>Phase I, Lodni Road. New<br>Date: -110003 |  |  |  |  |  |

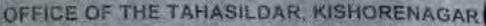
This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

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 chailan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challen with transaction date to Email: cb0371@unionbarkofindia.com

UTR NO -1 ENRBY 52022090289084231





ତନ୍ମସିଲଦାରଙ୍କ କାର୍ଯ୍ୟାଦୟ, ଜିଖୋରନଗର



Letter No. 1763 / File No. X-08/2022

Date: 34 06 2023

From

Sri Shanti Swarup Mishra, OAS-1(3B) Tahsildar & Executive Magistrate, Kishorenagar 2709

70

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

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

In inviting a kind reference on the subject cited above, I am to say but the alternation proposal of State Forest & Environment Department through the DFO, Atramallic has been approved and ROR has been prepared for compensatory afforestation in Mosca Serenda, Khamar, Badabahali, Luhamunda and Gunthapada under Kishasangar Tahasil of Angul district in tieu of forest land to be used for Kalapan Chromite Mines in favour of Jindai Stainless Ltd. In Jarpur district,

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

Yours faithfully,

Tahasildar, Kishorenagar IAHASILDAR KISHORENAGAR

|                          | e I Form N                   | 0-39-A    |          |                                    |           |  |
|--------------------------|------------------------------|-----------|----------|------------------------------------|-----------|--|
| M.                       | - 3                          |           |          |                                    | ଖଡିୟାନ    |  |
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| वाल                      | : 800 F                      |           |          |                                    | 40        | ACCEPTAGE OF STATE OF |
| ଶ୍ରହା ଜଣ୍ଡ               | 3:37                         |           |          |                                    |           | ତହସିଲ ନମ୍ବର : 202<br>ଜିଲା : ଅନସ୍ତୋତ  |
|                          | - 8                          |           |          |                                    |           | ନଳା : ଅନୁଗୋଟ,  |
| ବମିବାରଙ୍କ ।<br>ବା ଶବିୟାନ | ନାମ ଓ ଖୋଡ଼ା<br>ର କ୍ରମିକ ନମ୍ମ | 78.       | ସରକାର ଟେ | ୱୋଟ ନମ୍ବର ।                        |           |  |
| 4 ARESTA                 | ର ଜୁମିକ ଚ                    | 55/2      | -        | -                                  | -         |  |
|                          | -                            | ଜଟର       | പ്രമാവര  | ବିଭାର ଓଡ଼ିଶା                       | 4000      |  |
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| WEST                     | ରନ୍ନଗଷ                       |           |          | - 1                                | 1111      | KISHORENAGAR   |

| OIU<br>TO ASK O ARR | ିସମ ଓ ପ୍ରତର ଖଳଣ। | ସିସମୟ ବିହାରିକ ବିଦରଣ ଓ ସୌହତି              | 1     | - 66 | W)      |   |  |
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|                     | 059 of:          | CINC                                     | 380   | 60   | 15,4023 | Altenation Case No. 14/202<br>(RCCMS Case No. 11/2021<br>LRMS Case No. 472/2022)<br>Q WKN Q* 51 Q1    |  |
| 1/854               | ପର୍ବତ ଦୁପ        | 9Pial                                    | 77    | 100  |         |   |  |
|                     | 3                |  |       | 10   | 3,1201  | Alteration Case No. 1472/25<br>(RCCMS Case No. 11/2022<br>LRMS Case No. 472/2022 )<br>F \$100 P 53 Qu |  |
| 7/835               | ବର୍ଷ ବିଷ         | 59ai                                     | 0,4   | 00   | 0.1983  | Alienation Case No. 14/2022   |  |
|                     |                  |  |       |      | 0,14003 | (RCCMS Case No. 14/2022<br>LIUMS Case No. 472/2022 )<br>Q enci ur 33 gii                              |  |
| 9/856               | DB10 44 <u>0</u> | ପଥର୍ବଦି                                  | 9 41  | 80   | 3.8364  | Alienstion Case No. 14/2022   |  |
| 4/857               |                  |  |       |      |         | (ROCMS Case No. 11/2022<br>LRMS Case No. 472/3022 )<br>Q Stict 9° 53 Q1                               |  |
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| 80                  |                  |  | 7625  |      | -       |   |  |
|                     | 1,4%             | 1000                                     | 10.25 |      | 30,8572 |   |  |

ମାଗ୍ରୀଟ ପିରଧା ପ୍ରଷାଧ ଓଡ଼ିଓ 'ଖଣ୍ଡଣା

24/06/202

TANASHDAR KISHORENAGAR

| Schedule                | I Form                        | 39-A    |             |   | t Kara    |                     |   |
|-------------------------|-------------------------------|---------|-------------|---|-----------|---------------------|---|
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|                         | ନାମ ଓ ଖେଖିର<br>ର କ୍ରମିକ ନପ୍ରଶ |         | ରକାର ଖୋ     | ଆଟ ଜମୁଲ ।   |           | 7                   |   |
| ୧)ଖରିପାର                | ର ଦ୍ରମିକ ନଂ                   | 79/1    |             | _   | -         |                     |   |
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| 214/1356 | OREN  | କଞି ବୁଗୁଡ଼ି                  | 9   | 870 | 3,9943  | Alienating Case No. 13/2022<br>(RCCMS Case No. 13/2022<br>LRMS Case No. 471/2022 ) 5<br>Q SIOI O* 77 Q1   |
| 307/1357 | 089 68)   | 93                           | 7   | 000 | 2.8328  | Alteration Case No. 13/2022<br>(RCCMS Case No. 16/2022)<br>LRMS Case No. 471/2022 ) 9<br>Q SHOLO 9* 77 Q1 |
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ଧାନ୍ତ୍ରୀର, ବୁଡର ବିଶାନ କେନ୍ଦ୍ର ,ଓଡ଼ିଶା

24/06/2022

|                     | le I Form N                   | 0.39-A  |            |                                     | man a               |   |
|---------------------|-------------------------------|---|------------|-------------------------------------|---------------------|---|
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| କମିବାଇକ<br>ତା ନ୍ତିଆ | ନାମ ଓ ଖେଞ୍ଚା<br>ନସ କ୍ରମିକ ନଥା | P. I  | ସଇଳାର ଖେ   | මැත් තවුන 1                         |                     |   |
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| ନାମ , ଜାନ୍ତି<br>ଏ   | ନାମ, ପିଡାଇ<br>ଓ ବାସଥାନ        |   |            |                                     |                     |   |
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| rjera               | ଜନନର                          | SIE/SI  | 689        | ଓ ଅନ୍ୟାନ୍ୟ<br>ସେସ ପ୍ରତି<br>କିଛି ଥାଏ | CHIC                | <ul> <li>୭) ଦ୍ରମତର୍ଜିନଶାକ ଖଳଣାର ବିବରଣୀ</li> </ul> |
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| ୨) ନିର୍ବେଶ ଅବ       | 1                             | ition Cass  | No. 16/20; | 22 (RCCMS                           | Clase No.           | 13/2022, LRMS Case No. 474/2022 9961 99109        |
| ରିଜ ଉଧାନ            | ନ ଚାରିଷ :19/                  | NAME OF THE PARTY | BLA        | NK SPAC                             | EFES                | TAMPING   |
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| Up 663 6 660 | Form of the same | ଦିରମର ବିଭାଗିତ ବିରେଣୀ ଓ ପୌହର୍ବି   | 1    | 66  | 100    | ମଞ୍ଚଳା   |
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ରାଖ୍ୟର ସ୍ୱନମା ଦିଆନ ବେଳ ,ଫୁଆ

24/06/202

| Schedul                       | o I Form                                  | No.39-A            | 9            |  | môou-    |                   |                                 |
|-------------------------------|---|--------------------|--------------|--|----------|-------------------|---------------------------------|
| ମୌଧ                           | : ବହଟାହା                                  | in .               |              |  | ଖଚିୟାନ   | 1 13              | The second                      |
| थाला                          | F 86001                                   | 30                 |              |  |          | ବହମିଶ             | : ଦିଖେନ ହସନ                     |
| ଆହା ଚମ୍ବ                      | 0 : 48                                    |                    |              |  |          |                   | ମ୍ବର : 213                      |
| -                             |   | all and the second |              |  |          | ହିଳା              | : ଅନୁରୋଜ.                       |
| ଜମିନାରଙ୍କ<br>ପା ଖଡ଼ିଆନ        | ନାମ ଓ ଖେବୁ<br>ଓ ଜୁମିକ ନର୍                 | BUNG B             | ବରକାର ଜ<br>- | ଖଣାଟ ଖମ୍ବର ।                             |          |                   |                                 |
| ୧)ଗଡିଯାନ                      | ত্র প্রদীত দেশ                            | 92/2               | -            |  | -        |                   |                                 |
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| ନାମ , ହାଡ଼ (<br>୬) ପ୍ରାନ୍ଧର ନ | ଖମ, ପିଡାଇ<br>ଓ ବାସଣାନ                     |                    |              |  |          |                   |                                 |
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| ଞିମ ପ୍ରକାଶନ<br>ହଣା ଧାର୍ଯ୍ୟ ଚ  |   |                    | BL.          | ANK SPACE                                | FORS     | TAMPINGS          |                                 |
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| ଞ୍ଚନ ପ୍ରକାଶ<br>ଜଣା ଧାର୍ଡ୍ୟ                         | - 4                       | 03/1976        | BL          | ANK SPAC  | E POLITICO | TAMPING.   |  |  |  |
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| distration Case No. 17/26<br>RCCMS Case No. 12/202<br>RMS Case No. 473/2022                          |  |
| RMS Case No. 473/2022  |  |
| Alienation Case No. 17/26<br>(RCCMS Case No. 12/202<br>LRMS (2sse No. 173/2022<br>F) \$160 G* 333 G) |  |
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24/06/202

#### **GOVERNMENT OF ODISHA**

## FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14238 /FE&CC, Date 12 .08 92

10F (Cons) 58/2021

In exercise of the powers conterred 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—Khamer under Kishorenager 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 cone area of 1,886 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chrimite Minas of M/s Jindal Stainless Limited in village Kalisooni and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Jajpur District under Guttack Forest Division vide reprinciple approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Delta 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 30.6572 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<br>No. | Plat<br>No. | Kissam    | Total<br>area in<br>Ac. | Boundary description |                    |                    |                   |
|---------|--------------|-------------|-----------|-------------------------|----------------------|--------------------|--------------------|-------------------|
|         |              |             |           |                         | North                | South              | East               | West              |
| Khamar  | 55/2         | 5/<br>854   | Parbat-II | 7,710                   | Plot No. 5<br>(P)    | Plot No.<br>44 (P) | Plot No.<br>29 (P) | Plot No.<br>5 (P) |
|         |              | 7/          |           | 0.490                   | Plot No. 7           | Plot No.           | Plot No.           | Plot No           |

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

By Order of the Governor

(SATYABRATA SAHU)

Additional Chief Secretary to Government

Memo No. 14939 / FE&CC, Date 12-08-99

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/ Tahasikdar, Kishorenagar, Dist.-Angul.

The Notification is statutory and may be assigned SRO number.

OSD-cum-Special Secretary to Government.

Memo No. 14240 FEACC, Date 12-08-92

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India, Ministry of Environment, Forests and Climate Change, (F.G. Division), India Paryavaran Shawan, Jor Bagin, Aligani Road, New Delhi-110003/ Deputy Director General of Forests (Central), Govt. of India, McEF&CC, Integrated Regional Office, A/3, Chandrasekharpur, Bhubaneswar-23 for Information and Indeessary action.

OSD-cum-Special Secretary to Government

Memo No. 14941\_FE&CC, Date 12-08-99

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

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Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

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OSD cum-Special Secretary to Government

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubanuswan 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

OSD-cum-Special Secretary to Government

4248 /FESCC, Date 12-08-92

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

OSD-cum-Special Secretary to Government

4244 IFESCO, Date 12-08-92

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.

distron OSD-cum-Special Secretary to Government

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### **GOVERNMENT OF ODISHA**

# FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14901 /FE&CC, Date 12-08-92

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 Kishorenegar 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 1.589 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindel Chromite Mines of Mie Jindal Staliness Limited in village Kallabani and Forest Block No.27 of Managin 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(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<br>No. | Plot<br>No. | Kissam       | Total<br>area in |           | Boundary                           | description                      |                          |                    |  |  |
|----------------------|-------------|--------------|------------------|-----------|------------------------------------|----------------------------------|--------------------------|--------------------|--|--|
|                      |             |              | Ac.              | Ac. North | South                              | East                             | West                     |                    |  |  |
| Serenda              | 79/1        | 212/<br>1355 | Pahada           | 15.560    | Plot No.<br>1128,<br>1184 &<br>211 | Plot No.<br>212 (P) &<br>343 (P) | Plot No.<br>214 &<br>307 | Khamara<br>village |  |  |

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

By Order of the Governor

(SATYABRATA SAHU)

Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 14232 / FESCO, Date 12-08-92

Copy forwarded to the Director of Printing, Stationery and Publication. Ddisha 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/ Gollector, Angul/ DFO, Alhamalik Forest Division/ Tahasildar, Kishorenagar, Dist.-Angul.

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

Secretary to Government

OSD-cum-Special Secretary to Government

Memo No. 14233 / FE&CC, Date 12-08-29

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, Aligan) 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. 14934 / FERCC, Date 12-08-99

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

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P.T. D.

| Memo No. 14235 / FE&CC, Date 12 | -08-99 |
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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, Athamatik Forest
Division/ Divisional Forest Officer, Cuttack Forest Division for information and necessary action.

OSD-cum-Special Secretary to Government

Memo No. 14206 / FE&CC, Date 12-08-92

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

OSD-cum-Special Secretary to Government

Memo No. 14237 IFE8CC, 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 fetter No.21646/F&E Dt. 22.11.2016.

OSD-cum-Special Secretary to Government

AMMENURE-4

### **GOVERNMENT OF ODISHA**

# FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No. FE-DIV-FLD-0115-2021- 14929 IFE&CC, Date 12-08-92

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-Gunthapada under Kishorenagar Tahasil in the District of Angul mutated and transferred in favour of Forest. Environment & Climate Change Department for the purpose of musing Componsatory Afforestation thereon against the proposed diversion of 65.20 he forest land (including safely zone area of 1.899 ha) under Section-2 (ii) of the Furest (Conservation) Act. 1980 in respect of Jindal Chromilla Mines of Mrs Jindal Stainless Limited in village Kallapani and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Julpui District under Cutlack 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<br>No. | Plot<br>No. | Kissam    | Total<br>area in | Boundary description      |  |                            |                |
|------------|--------------|-------------|-----------|------------------|---------------------------|--|----------------------------|----------------|
|            |              |             |           | Ac.              | North                     | South                                      | East                       | West           |
| Gunthapada | 39/1         | 70/<br>267  | Parbat-II | 10,449           | Plot<br>No.70 (P)<br>& 71 | Luhamunda<br>village & Plot<br>No.1579 (P) | Plot<br>No.115<br>(P), 114 | Plot No.<br>69 |



| Total | 15.542 A | c or 6.290 h                |  | 1611                  |                        |
|-------|----------|-----------------------------|--|-----------------------|------------------------|
| 115/  | 5.093    | Piot<br>No.115<br>(P) & 114 | Luhamunda<br>village & Plot<br>No.1579 (P) | Plot<br>No.115<br>(P) | Plot ·<br>No.70<br>(P) |

By Order of the Governor

SATYABRATA SAHU)

Additional Chief Secretary to Government

| By e-mail: | deputydirectorp@rediffmail.com |     |
|------------|--------------------------------|-----|
|            | Mane                           | - 1 |

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, Cultack/ Collector, Angul/ DFO, Athamalik Forest Division/ Tahasildar, Kishoronagar, Dist.-Angul.

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

OSD-cum-Special Secretary to Government

14226 | FEACC, Date 12-08-99

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

OSD-cum-Special Secretary to Government

1427 FESCO, 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

14228 /FESCC, Date 12-08-92

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar/ Chief Conservator of Forests (Forest Diversion & Nodal Officer) FC Act, O/a 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. 14299 / FE&CC, Date 12-08-29

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

DSD-cum-Special Secretary to Government

Memo No. 14230 / FE&CC, Date

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.

OSD-cum-Special Secretary to Government

ANNEYURE-4

### **GOVERNMENT OF ODISHA**

# FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

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NOTIFICATION

No.FE-DIV-FLD-0115-2021-142-17 /FE&CC, Date 12-08-92

10F (Cans) 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 torest land (including safety zone area of 1.899 ha) under Section-2 (ii) of the Forest (Conservation) Act, 1980 in respect of Jindal Chromitic Mines of M/s Jindal Stainless Limited in village Kallapani and Forest Block No.27 of Mahagin DPF in Sukinda Tahasil of Jajour District under Cultack Forest Oivision vide in-principle approval order of Government of India, Ministry of Environment, Forests & Climate Change, New Dethi 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 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 Tahasii

Kishorenagar

Name of the Sub-Division

Athamalik

Name of the District

Angul

4)

### Land Schedule:

| Village  | Khata<br>No. | Plot<br>No.  | Kissam    | Total<br>area in |               | Boundary           | description        |                          |
|----------|--------------|--------------|-----------|------------------|---------------|--------------------|--------------------|--------------------------|
|          |              |              |           | Ac.              | North         | South              | East               | West                     |
| Badbahal | 92/2         | 117/<br>1313 | Parbat-II | 18,920           | Plot<br>No.27 | Plot No.<br>135(P) | Papsara<br>village | Plot No.<br>115 &<br>116 |



| 135/<br>1314 |       | 3.391    | Plot<br>No.117<br>(P) | Plot<br>No.133<br>& 134 | Plot<br>No.136,<br>137 & 138 | Plot<br>No.135<br>(P) |
|--------------|-------|----------|-----------------------|-------------------------|------------------------------|-----------------------|
|              | Total | 22.311 A | c or 9.029 h          | ia                      |                              |                       |

By Order of the Governor

| Ac   | dditional Chief Secretary to Government   |
|--|---|
| By e-mail: deputydirectorpo@rediffmail.com   |   |
| Memo No. 14218   FE&CC, Date 12-08-6   | 22_   |
| Copy forwarded to the Director of Printing, Stationery publication in an extra-ordinary issue of the Odisha Gazette and each to Forest, Environment & Climate Change Department Director of Land Records and Survey, Odisha, Cuttack/ Col Division/ Tahasildar, Kishorenagar, DistAngul. | d supply 10 copies of printed notification of Revenue & Disaster Management     |
| 2. The Notification is statutory and may be assigned SRC   | animber dynastrone  |
| Memo No. 14919 /FE&CC, Date 12-08  | 9-cum-Special Secretary to Government   |
| Copy forwarded to the Assistant Inspector General of<br>Environment, Forests and Climate Change, (F.C. Division), Aligan, Road, New Delhi-110003/ Deputy Director General<br>MoEF&CC, Integrated Regional Office, A/3, Chandrasekharpu   | Indira Paryavaran Bhawan, Jor Bagh,<br>of Forests (Central), Govt. of India,    |
| necessary action.  OSC  Momo No. 14220 / FE&CC, Date 12-08-  | Halanic<br>Haum-Special Secretary to Government<br>92                           |
| Copy forwarded to the Revenue & Disaster Managemen and Survey, Odisha, Cultack/ RDC (CD), Cuttack/ Collector,  | nt Department/ Director of Land Records<br>Angul/ Tahasildar-Kishorenagar, Dist |
| Memo No/1994/FE&CC, Date/98  | O-cum-Special Secretary to Government   |
| Memo No/ FE&CC, Date/_/ 8  | 22  |
| Copy forwarded to the Principal Chief Conservator of F<br>Ghief Conservator of Forests (Forest Diversion & Nodal Offi<br>Regional Chief Conservator of Forests, Angul Circle/ Division/<br>Division/ Divisional Forest Officer, Cuttack Forest Division for inf                          | onal Forest Officer, Athamelik Forest   |
| OSC  | D-cum-Special Secretary to Government   |
|  |   |

Memo No. 14222 | FE&CC, Date 12 08-92

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

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.

OSD-cum-Special Secretary to Government

ANNEXUEE 4

# **GOVERNMENT OF ODISHA**

# FOREST, ENVIRONMENT & CLIMATE CHANGE DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0115-2021- 14910 /FE&CC, Date 19-08-99

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 Kishorenegar 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 sefety 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 Mahagiri 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 6.3463 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 : L

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



P-T-0

| Village   | Khata |               | 119,000,000 | Total<br>area in | Boundary description                                  |                            |  |                            |  |
|-----------|-------|---------------|-------------|------------------|---|----------------------------|--|----------------------------|--|
|           | 110   |               | Ac.         | North            | South   | East -                     | West                                   |                            |  |
| Luhamunda | 336/5 | 1579/<br>6177 | Parbat-     | 15.682           | Gunthapada<br>village, Plot<br>No.70/267<br>& 115/268 | Plot<br>No.<br>1579<br>(P) | Plot<br>No.1581,<br>1580 &<br>1579 (P) | Plot<br>No.<br>1579<br>(P) |  |
|           |       |               | Total       | 15.682           | Ac or 6.346 ha  | 1                          |  |                            |  |

By Order of the Governor

(SAT ABRATA SAHU)

Additional Chief Secretary to Government

Memo No. 1421 / FE&CC, Date 12-08-99

Copy forwarded to the Director of Printing, Stationery and Publication, Odisha Guttack 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. 14219 / FE&CC, Date 12.08-99

Copy torwarded 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, Chandrasekharpur, Bhubaneswar-23 for information and necessary action.

OSD-cum-Special Secretary to Government

P. T. O.

| Memo No.                    | 14213  | -D3<br>_/FE&CC, Date   | 12-08-99  |   |
|-----------------------------|--|--|---|---|
| Land Reco                   | and Survey   | <ul> <li>Odisha, Cuttack</li> <li>Angul for information</li> </ul>   | aster Management Dep<br>k/ RDC (CD), Cuttack<br>ration and necessary act                                  | / Collector, Angul/                           |
| Memo No.                    | 14214  | / FE&CC, Date_   | OSD-cum-Special Secre   | lary to Government                            |
| O/o the PO<br>Forest Office | /ar/ Chini Conser<br>CCF, Odisha/ Reg  | vator of Forests (I<br>gional Chief Conse<br>rest Division/ Division | Conservator of Forests<br>Forest Diversion & Noc<br>ervalor of Forests, Angi<br>onal Forest Officer, Cutt | tal Officer) FC Act,<br>ul Circle/ Divisional |
| Memo No.                    | 14215  | _/ FE&CC, Date_  | OSD-cum-Special Secre   | tony to Coverment                             |
| Copy<br>Bhubanesw           | forwarded to<br>rar for information  | the Head State<br>and necessary act                                  | Portal, IT Centre, C  | Odisha Secretariat,                           |
|                             |  | (  | OSD-cum-Special Secre   | tary to Government                            |
| Section, FE                 | forwarded to take to the forwarded to take t | for information ar   | ary to Government, Of<br>nd necessary action with   | fice Establishment<br>the reference to their  |



Annexure-

# 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** 

COUNTERSIGNED

Divisional Torest Officer Cuttack Forest Division



Jindal Stainless Limited

ANNEXURE - ALV

5 F 8 8 2022





OCTICE OF THE REGIONAL CHIEF CONSERVATOR OF PORESTS: ANGUL CIRCLE, AT/PO-HARDMPADA, ANGUL-759143, ODISHA, Phone-96764-296010 (O), 296011(Res), Email Id; recfangul@gmail.com.

Memo No. 33 0 / 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 findal Chromite Mines of M/s. Imdal Stainless Limited in village Kalinpani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Apporoval of schemes.

Reft- 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 |  | Name of the scheme  | Financial outlay<br>(Rs.) |  |  |
|---|--|---|---------------------------|--|--|
| V -   | 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 checking of streams.   | 6,40,060/-                |  |  |
| A.  |  |   |                           |  |  |
| 5.  | B(xiv) (c)   | Construction of Check Dams, retention /<br>toe walls to arrest sliding down of the<br>excavated material along the contour.   | 16,03,\$65/-              |  |  |
| 6.  | B (xiv) (d)  | Stabilization and rechangtion 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 J.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

41

Memo No. 3311 Idated. 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 dwed 04.07.2022, of the DFO, Cattack Division.

Encl: As above.

Regional Chief Conservator of Forests

Memo No. 331 Adated. 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

# 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 Kalispani and forest Block No-27 of Mahagiri DPF in Sakinda Fahasit of Jajpur District under Cuttack Forest Division, subject to fulfillment 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 KMI 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-L. 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 mars. Size of pits shall be 45 cm X 45 cm X 45 cm. About 18 morahs old saplings shall be used for plantation. All post planting measures like casualty replacement, soil working, menuring, 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.
- F 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 planning the pits will be filled with top-soil first.

- Planting shall be done on the onset of monsoon to get full benefit of moreous rain and planting should not be delayed.
- Basal dose of fertilizer and insecticide should be applied earefully at the time of planting, by mixing with top-soil so that the roots of scealings do not come in direct contact with fertilizer.
- In case of any mortality of planted seedlings, it should be replaced with healthy seculings 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  |
|-------------------------|-------------|--|
| Azadbachta indica       | Neem        | in rocky gress with low soil depth   |
| Ferris indica           | Kaminia     | in rocky areas with low soil depth   |
| Emblica officinalis     | Amla        | In rocky areas with low soil depth   |
| Terminalia chelmia      | Harida      | In lower treas with good will depth  |
| Terminofin bellirica    | Baluida     | in lower meas with good soil depth   |
| Dalbergia sisson        | Sisson      | In lower areas with good soil depth  |
| Gnuellna arbarea        | Ciambhari   | In lower areas with good soil depth  |
| Dendrocalannis strictus | Saha bamboo | In lower areas with good soil depth healthy seedlings from rhizomes may be planted |
| Dalbergia sissoa        | Sissu       | In lower areas with good soil depth  |
| Tamorindus indica       | Tentuli:    | In lower areas with good soil depth  |
| Ficus religiona         | Aswatha     | In rocky areas with low soul depth   |
| Ficus benghalensis      | Banyan      | In rocky areas with low soil depth   |

# 4. EXECUTING AGENCY

The scheme shall be implemented by Mis findal 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-

| 1. MODEL<br>2. NO. OF PLANTS PEN HA  | ANR          |
|--|--------------|
| TOTAL AREA TO SE PLANTED(IN HA.)   | 900          |
| SPACING TO HE ADOPTED  | 2,3          |
| TOTAL NOS OF PLANTS TO BE PLANTED  | 2.5Hby92.5hb |
| Wage Rate (Per Mil)  | 1,150        |
| The state of the s | 126.00       |

| 記す | lings of Wigna  | Period of execution | thansays.     | Rs 326/-  | Material<br>Doct | Total in its |
|----|---|---------------------|---------------|-----------|------------------|--------------|
| -  | 1   | 3                   | 4             | 5         |                  | 7            |
| 1  | Pro-  |                     | ration (0" Ya | pri       |                  | -            |
| 8  | Survey, Dominion and Pital Posting  | Novibec             | 2             | 450.00    | c                | 650.00       |
| _  | Properties of Trestment Map (Depte Mop)  See respection (Clearing & remove of statistics)   | NipelDet            |               | 326.01    | 166              | 435.00       |
| 3  |   | HOVENIG             | 2             | 6E2.05    | è                | 052700       |
| 4  | interface operation rections describe of<br>receipting of disbor, light strong<br>string, stepping of shoots is recipied of put det<br>also drying from the field to black appear.  | 36Will              | 1.6           | 4 Mode    | 0.               | 4 mass       |
| 8  | Alignment and Mecking of ella   | FeltifiAst          |               | 320 CO    | n n              | 30% 30       |
| 6  | Displing of pits (45 cm x 45 cm x 45 cm) is have a process and  | FeliXte:            | 20            | 5.520 ap  | - 0              | 00.405.00°   |
|    | Total:-   |                     | 41            | 13,365.0n | 100.00           | 13,456,00    |
| 7  | Monthly Excludes usering Dynamonson<br>Bery Wire Commonly upto 5% of the total post   |                     |               | 12,000,00 | 100.00           | 19,450,010   |
|    | A series of the parent of the latter in the   |                     |               |           |                  | 673          |
| 2  | Grand Totali-   |                     | -             |           |                  | 14,139.00    |
|    | Refilling of pits by aftering the dugast son of the   | 1st Year Pla        | rest gnims    |           |                  |              |
| Į. | PYM & moving the same account.  | айнашу              |               | 1,004.00  | 2,500,00         | 5,804.00     |
| 2  | Franciscotton of its molitile display pot seadings or fired truck tracks from the Parmonent Meson removery to prevent and removing continue of unitarity. See the street lead of 10 Hero & exprising the seedings to as 64 per Seedings (1100 pers.)  | жумир               | 0             | A.00      | seine            | 7,550.00     |
| 1  | Watering the polypot securing in pluring site   | Julylia             | - 5           | 326.02    | 900              | 306 (a)      |
|    | Conveyance of purpos soldings on head our fluor the stocking crit to individual dug out gits within the playing sits, applying impossible, forestern 6 stending ever scooping the saw with other applical measures is presenting the sail properly according to stand properly according to properly according to properly according to | изунар              | All           | 00,382,0  | 0.00             | 2,665,00     |
| 5  | Goet of Pentirer & Inspecticity. (a) NPK / Bio fundass: @ to great plant as house onse = 20 kg & Re. NE pri Ng = Re716.00 (ii) Under Vermoompeel Mo Khatu! any other feature in two authorizers does it gives 70-bit of transcolor Expensions & \$100 pentiles 0.0 to great plant = 2.2 kg & Re. 15 if park g = Re. 175.00              | July/Kon            | , Al          | 5.00      | 1,580,00         | 1,660 60     |
| G  | Casualty Replacement (le 10% (60 cos.)  | JulyAsio            | 7.5           | 499.65    | 0.00             | 480 00       |
| Ŧ  | 1st Westing & Manufing  | Aug/Sepi            | 1             | 1,630.00  | 0.00             | 1,630.00     |

| 8   | 2nd Weeding, Soil working (1mt Diametre around the pie for and Meaning   | DetNov      |              | 2,598,00 | 0,00     | 2,990.00  |
|-----|--|-------------|--------------|----------|----------|-----------|
| Ú   | First line tracking & inspection pairs.  | Pelinter    | 3            | 978.00   | 0.00     | 97K.00    |
| io. | Water & Wheel techning watering an per<br>requirement  | Aug-Mer     | . 0          | 2,400,00 | 0.00     | Z,008,00  |
| H   | Totalte  |             | 49.5         | 13829    | 7300     | 20,829.00 |
| 11  | Schooling, Evaluation, Learning, Occurrientation<br>5 pay office Confugeday upto \$5 of the business   |             |              |          |          | 1,001.00  |
|     | Grand Total:   | -           |              |          |          | 25870     |
|     |  | 2nd Year Ma | Internance   |          |          | 22830     |
| -   | Province of 50 sectings from Namery of plantation and including kooking uniceding & conveyance by tractor of the 8- per ameting  | -100        | h            | 0.05     | 100.00   | 500 da    |
| 2)  | The state of the s | -he         | 1.5          | 489.00   | 9.00     | 460.00    |
| 1   | Best of femilier & Insections— on Goal of Insections Responded (Theres / Forsts) & 5 pres pant = 0.25 mg @ Re-1504 per<br>lay -Re-37.50.  In these MPIO Bro-Sentines Vernicomposit Mar<br>shadat any other territor (E-Fig. 1400).   | Myokug      | n            | 6.00     | 1,457,50 | (.457.50  |
| 1   | Westing (Commiss westing), Manually & Soll-<br>working (tree Demonse around the plants)  | Supp(Ce)    | e            | 2,600.00 | 6.00     | 2.008.00  |
|     | Fit the facing G is wije, the two ever 400 is:<br>and inducting manteness of impector puts   | Febliar -   | 3            | 978.00   | 0.00     | 975 00    |
| b   | Welton & Ward assisting watering as per  | Apriller    | 12:          | 3,912.00 | 0.00     | 3,912,00  |
| ÷   | Totals-  |             | 24.3         | 7987     | 1,757.58 | 9725,E    |
| 8   | Averlooning, Evaluation: Learning, Documentation<br>it any other Commissioning spilo 5% of the total cost.   |             |              |          |          | 496       |
| Ξ   | Grand Lates-   |             |              |          | -        | 10210.5   |
|     | Cost of territorer   | 3rd Year Ma | Sulumance    |          |          |           |
| L   | (Ureal NPN/ Rio building Vermicespeet Mo<br>Water one offer fertilizing Ru (100/)  | 1 million   | *            | 0.00     | 1.400.00 | 1,400.00  |
| 2   | Weeding/Compute wresting) . Manusing & Soli<br>we king (first Decembe around the plants)   | Sapriou     |              | 00.808,5 | 0.00     | 3,809.00  |
| 2   | One trip tricing (2 m) was fire the over 400 m one) including maintenance of inspecting eats   | FewMer      | 3            | 670.00   | 0.05     | 076.00    |
| *   | White; & Wald including sellaring as per-<br>requirement   | Apr-Mar     | 12           | 2,912.00 | 0.00     | 3,912,00  |
| ı   | Total  |             | 23           | 7,498.00 | 1,400.00 | 0,898.00  |
| -   | Start other Cartington, Leading, Decumentation<br>& any other Cartingtoney ages 3% of the lotal scot.  |             |              |          |          | 445       |
|     | Grand Total >  | The sale    |              |          | 1.       | 8,543.60  |
| ı   | the beautiful to the same of   | 4th Year Ma | ilintenance. |          |          | -         |
| 1   |  | Persital    | 3            | 970 DC   | 0.00     | 978.00    |
| 2   | Water & Ward recuping indicationing of finance   | Apr-Mex     | 12           | 0,912.00 | 0.00     | 3,812.00  |
|     | Total:-  |             | 15           | 4,890,00 | 0        | 4,990,00  |
| _   | Morrising, Evolution, Learning, Equimoniships.   |             |              |          |          |           |
| 1   | & any other Contingency upto 5% of the long oper   | 1           |              |          |          | 245       |

|     | Fire fine trecing 62 m. wide his line over 400 st.   | 5th Year Ma  | Intonance  |                   |      | THE OWNER OF THE OWNER, |
|-----|--|--|--|-------------------|------|---|
| 10  | imgrij) incluting maintimence of inspection pails  | Finday   | 9  | 078.0a            | 0,00 | 970.30  |
| 2   | Water & Ward Industry montmance of femons  | Acr-Mar  | 12   | 3,012.00          | 0.00 | 0.91200   |
| -   | Totab-   |  | 16   | 4,890.00          | 0    | 4.890.00  |
| 2   | Monitoring Evaluation, Lintering Documentedor<br>6 any other Contingency upon 5% of the Azal cost  |  |  |                   |      | 244   |
|     | Grand Total:   |  |  |                   |      | 6.136.00  |
| 'n  | rite ing tracing (2 m. wide the law give also mi)  | 6th Year Ma  | internance   |                   |      | -   |
| 1   | coughly industry mainlenance of impaction path   | SilyMai  | 1  | 978.00            | 0.00 | E201 1949   |
| E.  | Worch & Ward industry mandenance of Specing  | Aprillar   | 12   | 8,912:00          | 0.00 | 251200  |
| Ξ   | Totali-  |  | 15   | 4,690.00          | 0    | 4,890.00  |
|     | Monthling Everation Learning Decommitation<br>& way offer Coult garray upto the or the later cost  |  |  |                   |      | 245   |
|     | Grand Totalo   | -  | -  |                   |      | FILES   |
|     |  | 7th Year Ma  | interiance   |                   |      | 6,135.00  |
| ž.  | Fire time bracking (2 m. ends five time eyes start in<br>Bragin) including exemisments of inspection pean  | Februar  | 2  | \$70.00           | 600  | 197年100   |
| 4   | Vorich & Ward Excluding maintenance of londing   | April 612  | 12   | 8,912.00          | 0.00 | 3,912 00  |
|     | Totals   | 7-1  | 15   | 4,899.00          | 0    | 4.890.00  |
| l,  | Advancing Evaluation, University Consecutables<br>S any other Consequency up to 5% of the Scot Cont.   |  |  |                   |      | 248   |
| - 1 | Grand Total:   |  |  |                   | -    | 5.195.00  |
| -   | For 6 and 10 and | Bith Your Mo   | intenance  |                   |      | 4.140,00  |
|     | Fire the soons is on wide for one over 400 st.<br>ength including maintenance of inspector pure  | FioNer   | 4  | 978-00            | 0.00 | 570,00  |
| 2   | Watch & Ward Induding maintenance of familing  | Aprillar   | 12   | 1,912.00          | 9.00 | 3,012.00  |
|     | Totali-  |  | 15   | 4,090.00          | 0    | 4.890.00  |
| 3   | Monitoring Evaluation Learning Documentation<br>& any other Conditioning upto 5% of the layer cost.  |  |  |                   |      | 245   |
|     | Grand Total  |  |  |                   | -    | 5,138.00  |
|     | Inter the Venture of  | 9th Year Ma  | internance   |                   |      | 21180.00  |
| 1   | Fire the taking of an wide fire line over stat as<br>listing including maintenance of hispinoses path  | FebMir   | 4  | 01870             | 0.00 | 307.00.   |
| 1   | Watch & Ward Yathuring marmenance of feecing   | Apather  | 12   | 3,812.03          | 9.00 | 3,992.00  |
|     | Totalis  | -  | 15   | 4,899.00          | 0    | 4.890.00  |
| 1   | Monadary, Evaluation, Learning Documentation<br>& any other Certifigurey upon Will of the total work.  |  |  |                   |      | 245   |
|     | Grand Telaki   |  |  |                   |      | 5,135.00  |
|     | Iton the name (I as all 1 )  | 10th Year M  | sinteisance.   |                   |      |   |
| L   | Fire this tracking (2 m. Webs Ers son deer 400 m.<br>rengths indusing maintenance of inspersion pach   | FebMar   | 3  | 17H 00            | 0.00 | unadi   |
| ¥   | Within 5 Wass including marchenacco of harding   | Arithe   | 12   | 0,012.00          | 0.00 | 3,612.00  |
|     | Total:-  | 1  | 1.6  | 4,890.00          | _ 0  | 4,890,00  |
|     | Monophry, Evaluation, Literary, Dopotheristics<br>5 any other Consequency upto the of the lottle cost.   | June 3   |  |                   |      | 215   |
| _   | Grand Total:-  | The state of the s | The same of the sa | The second second |      | A District  |

|               | T                  | OTAL COST FOR          | 1110                   |   | -   |                    |
|---------------|--------------------|------------------------|------------------------|---|---|--------------------|
| St. Yes       | No. person<br>days | Labour Cool & Re 3281. | Material Cost<br>(Rs.) | Monitoring<br>Evaluation,<br>Decimination<br>is and other<br>Contragancy<br>(8%) of (4+4) | Cost of<br>Seedings (E<br>Rs \$2.1771)<br>per seedlings | Tona Cons<br>(Ms.) |
| -1. jsthowar  | 41                 | 13306.00               | 100.00                 | 673(00  | -   | 16,000.00          |
| Z Tel your    | 465                | 73529,00               | 7300,00                | 1047.00   | 75697.41  |                    |
| 3. (2nd year) | 46 S               | 2097.00                | 1707.60                | 4105.001  | 2000 38   | 50,000,4           |
| 4 Wd gens     | 25                 | 7498-00                | 1400.00                | 649-BU  | 2000 00   | 12.615 10          |
| 0. 14th year  | 1.E                | 4020.00                | 9,00                   | 245,00  | - 6   | 9,343.0            |
| 6 5th year    | 14                 | 9893.00                | 8,60                   | 245.90  |   | 5,130 Et           |
| T 68 year     | 10                 | +560.00                | 0.00                   | 249,95  | -   | 5,736.00           |
| n 7th year    | 13                 | 4850 00                | 0.00                   | 245.00  | 0   | 9.135 CI           |
| 6 No year     | 75                 | 4520,00                | 0.00                   | 248.00  | 70  | 5.125 66           |
| 10 (Ofn year  | 15                 | 6890.00                | 0,00                   | 245.50  | -   | 6.120.00           |
| 11 105/yeni   | 95                 | 490.00                 | 10,0                   |   |   | 5 135.00           |
| Tetats        | 235                | 76,610,00              | 10.537.60              | 348,00<br>4,366.00  | 31,306.26   | 5,195,00           |

| SII<br>per   |              |       | FROJECT COST<br>LEDOW COSLAS<br>Re-3000 | Material Gost<br>(Fis.) | MEED & Other<br>Compagney<br>(Ea) of (4+5) | Coursel<br>Seedings &<br>Ranza77u-<br>per seedlings | Total Cost (Rs.) |
|--------------|--------------|-------|---|-------------------------|--|---|------------------|
| 1 Ditt year  |              | 843   | 10745.RG                                | 530,00                  | 1547,50                                    | 0.00  | 32,410,77        |
| I let your   |              | 95.5  | 20118,70                                | 10790.00                | 2364.30                                    | 64164.00  | 1,18.30 ( 0:     |
| 3 Bod year   |              | 58.4  | 18379.10                                | 3990.26                 | 1317.00                                    | 8000.37   | 20 984 N         |
| 4 30 964     |              | 52.9  | 17245,40                                | 0220780                 |  | 0.09  | 24,400 %         |
| d tib man    |              | 36.5  | 11347,00                                | 0.00                    |  | 0.50  | 11.510.5         |
| tith year    |              | 355   | 17847,00                                | 0.00                    |  | 0.00  | \$1.010 h        |
| Glh year     |              | 34%   | 11247,50                                | 0.68                    |  | p.mg  | 11,410,3         |
| 7th year     |              | SAN   | 11047.00                                | D.60                    |  | 0.00  | 14 110 %         |
| E Itth year  |              | 340   | 11247,00                                | 0.00                    |  |   | 11,510 S         |
| d /Illh year |              | 34.5  | 14847.00                                | 000                     | 863.90                                     | 0.00  | 71,010.3         |
| 1 7 Bib your |              | 34.5  | 15847,00                                | 5.00                    | 063.50                                     | pull  | 11.870.50        |
| -            | Stand Total: | 540.B | 1,76,200.00                             | 24,236.25               | 15,026.00                                  | 72.004.40   | 2,62,471,53      |
| -            | OR           |       | 1,76,203.00                             | 24,736.00               | 10,020.00                                  | 72,004.00   | 2.62,472.00      |

(Rupees Two Laki) Sighty-Two Thousand Four Hundred Seventy-Two | Only

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| 4  | ð | ) |

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| Terat Cest<br>(16 Years) | 122814 | 193003 | 150153   | 155651 | 163544              | 173821             | 182512  | 869161        | 201220   | 111211               | 221845     |
|--------------------------|--------|--------|----------|--------|---------------------|--------------------|---------|---------------|----------|----------------------|------------|
| XX                       |        |        |          |        |                     | No.                |         | 100           | - 1      |                      | 100        |
| ×                        | 0      |        |          |        | THE PERSON NAMED IN |                    |         |               | Salah Sa |                      | 12976      |
| XIX                      |        |        |          | 10.33  | 1                   | A. 1. SA           |         |               |          | 2358                 | 2358       |
| Xvin                     | 1      |        |          |        | 100                 |                    |         |               | 17770    | 11270                | 0,6231     |
| XVII                     |        |        | No.      | 1      | 1 E                 |                    |         | 11299         | 11200    | 10001                | 11206      |
| XWI                      |        |        |          |        | - No.               | 100                | 10675   | 14635         | 10075    | 10875                | 10625      |
| *                        |        |        | 100      |        |                     | 10167              | 10167   | 10167         | 29100    | 73101                | 10167      |
| XIV                      |        |        |          |        | 9683                | 協定                 | 9683    | 5865          | 9983     | 19083                | E835 0     |
| 极                        | H      | -      |          | 922    | 2222                | 9223               | 200     | 1000          | 19222    | 9223                 | 16770      |
| R                        | 1      |        | 8783     | 333    | 8753                | 8783               | 1200    | 8783          | F848     | 15350                | 191425     |
| K                        | 5135   | 8364   | 8368     | 25.52  | 8364                | 1968               | 1928    | 1903          | 13319    | 20831                | 07523      |
| ×                        | 5135   | 9962   | 3982     | 3962   | 7086                | 1966               | 3966    | 19994         | 19887    | 18447                | 3,5934     |
| N                        | 3138   | 7387   | 1887     | 7887   | 1987                | 7837               | 1080    | 08080         | MEN      | 06800                | 8          |
| YOU                      | \$138  | 7225   | 903      | 7225   | 7225                | 3147               | 8038    | 93,159        | 55861    |                      | L          |
| HA.                      | 351    | 198    | 一一一      | 381    | 1557                | 7179               | 3965    | 83548         |          |                      | 1          |
| VI                       | 5136   | F6534  | 6554. Id | N M261 | 1989                | 64538              | 8045-16 |               |          |                      | -          |
| 4                        | \$135  | 57.53  | 6        | 5582   | 62465               | 17136              |         |               |          | Distance of the last |            |
| AI.                      | 9343   | 100    | 1 0881   | 58538  | 100                 | THE REAL PROPERTY. | SCALIN  |               | TO S     | 1000                 |            |
| III.                     | 12819  | 14133  | 15751    | 15588  | 100                 |                    | 17000   | 100           |          | E Ve                 | THE PERSON |
| 11                       | 50567  | 53096  | 14845    | 57.00  | 100                 | TOES.              |         | To the second | 4000     | No.                  | 50000      |
| 1                        | 14139  | U 1080 | 200      | No.    | 100                 | · ·                | 150     | 1             | 1000     | 1000                 | How at     |
| namen<br>Stell           | den 1  | 1980   | 2,23     | 3-24   | 593                 | 3538               | 6.77    | 7.28          | X.70     | 0.30                 | 14.        |

| ~          | SMC Works Model-C  |                                      |  |
|------------|--|--------------------------------------|--|
| -          | t Norms for creation of Afforestation with stabilization of Soit & (500 Plants/Ha).  | Conservation                         | of Moisture  |
| SI.<br>No. | flems of work  | Preferable<br>Period of<br>Execution | Total Cost<br>(Rs.)  |
|            | 6th Venr (Pre-Planting Operation)  |                                      |  |
| 1          | [Nil   |                                      | 0  |
|            | 1 <sup>st</sup> Year   |                                      |  |
| ğ          | Soil Conservation measure structures like Staggered Trench,<br>Perculation pit, Contour tranch, Graded earthen band, LBCD,<br>Wire mesh LBCD, Sub surface Dyke & WHS as per the slope &<br>site requirement on LS. | Apr/Sept                             | 20,215.00  |
|            | 2 <sup>nd</sup> Year   |                                      |  |
| 3          | Maintenance of SMC structures @ 15 % of initial year cost.   | Apr/Jul                              | 3,032.00   |
| _          | 3" Year  |                                      |  |
| 4          | Maintenance of SMC structures (it 15 % of initial year cost.   | ApriJul                              | 3,032.00   |
|            | 4 <sup>th</sup> Year   |                                      | STATE OF THE PARTY |
| 3          | Maintenance of SMC structures @ 15% of initial year cost.  | Apr/Jul                              | 3,032.00   |
|            | 5 <sup>th</sup> Year   |                                      |  |
| 6          | Maintenance of SMC structures (i): 15 % of initial year cost.  | Apr/Jul                              | 3,032.00   |
|            | Total  |                                      | 32,343.00  |

|     |                      | Abs            | tract for 1 ha.                    |                  |                    |
|-----|----------------------|----------------|------------------------------------|------------------|--------------------|
| No. | Year                 | No person days | Labour Cost @ Rs. 326/-<br>per day | Material<br>Cost | Total Cost<br>(Rs) |
| 1   | 0th Year             | -0             | 0.00                               | 0.00             | 0.00               |
| 2   | I <sup>n</sup> Year  | 0              | 0,00                               | 20,215.00        | 20,215.00          |
| 3   | 2 <sup>nd</sup> Year | 0              | 0.00                               | 3,032,00         | 3,032.00           |
| 4   | 3 <sup>rd</sup> Year | 0              | 0.00                               | 3,032.00         | 3,032.00           |
| 5   | 4 <sup>th</sup> Year | 0              | 0.00                               | 3,032.00         | 3,032.00           |
| 6   | 5th Year             | 9              | 0,00                               | 1,032.00         | 3,032.00           |
|     | Total                | 0              | 0.00                               | 32,343.00        | 32,343,00          |

| _          |                       | Abstr           | ract for 2.30 ha.                  |                  |                    |
|------------|-----------------------|-----------------|------------------------------------|------------------|--------------------|
| SI.<br>No. | Year                  | No. person days | Lobour Cost @ Rs. 326/-<br>per day | Material<br>Cost | Total Cost<br>(Rx) |
| 1          | O" Year               | D               | 0,00                               | 0.00             | 0.00               |
| 2          | I" Year               | 0               | 0.00                               | 46,494.50        | 46,494.50          |
| 3          | 201 Year              | 0               | 0.00                               | 6,973.60         | 6,973.60           |
| 4          | 3 <sup>rd</sup> Venir | 0               | 0.00                               | 6,973.60         | 6,973.60           |
| 5          | 4 <sup>h</sup> Year   | 0               | 0.00                               | 6,973.60         | 6,973.60           |
| ñ          | 5th 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

| Tetal Cost                | (10 Yeales) | 33345   | 35638 | 37465         | 39236   | 41250    | 43013    | 45478   | 47752      | 50140  | 25647    | 65,279           |
|---------------------------|-------------|---------|-------|---------------|---|----------|----------|---------|------------|--|----------|------------------|
| -                         | T.          | S.      | 翌     | in the second |   | F-366    |          |         |            |  |          |                  |
| _                         | 1           |         |       |               |   |          | Yu       |         |            |  | 1        |                  |
|                           | NE          | 18      |       | 100           | B. W.   |          |          | 1       | The second | TO SERVICE SER |          |                  |
|                           | XS-III      |         |       | ES S          | Will state of the |          |          |         |            | 100  |          |                  |
|                           | XVII        | To the  |       | 12            |   |          |          |         | 100        |  | No.      |                  |
|                           | IA.         |         |       | 4             |   | -12      |          |         |            |  |          |                  |
|                           | X           | 1       | 1     | To the last   |   | E        | State 3  |         |            |  |          | 6000             |
|                           | KUX         | 1       |       |               |   |          |          |         |            |  |          | 2115             |
| 3                         | XIII        |         |       |               |   |          |          | 1       |            | DOM:   | 245      | 18 S             |
| 100                       | EX.         |         |       |               |   |          | 11       |         |            | 2180   | 9815     | 9816             |
| PC) 000                   | ×           | -       |       |               |   |          |          |         | 4509       | 1979   | 423      | 1934             |
| Or (5)                    | ×           | 3       |       | 79            |   |          |          | 真       | 4104       | 4700   | #DZ#     | 31360            |
| Matrix for (SMC) over the | B           |         | 34    | 100           |   |          | 4530     | 480     | 180        | HST.   | 19867    |                  |
| -                         | Line .      |         | 100   |               | 5   | 992      | 995      | 1986    | 9969       | SHARE  |          |                  |
|                           | 15          |         |       |               | 596   | 128      | 99       | 190     | 発展         |  | N. T. P. |                  |
| 16                        | 200         |         | 1000  | 193           | 3879 14   | N DIS    | 1870     | SSROO A |            |  |          |                  |
|                           | 10.0        |         | No.   | 100           | 20  | 1 50     | 10 17 17 | N S     |            |  |          |                  |
|                           | 1           |         | 120   |               | 2 2   | 20 - 10P |          | 0       |            |  |          | 1                |
|                           | -           |         | 1     |               | 3545 SO   | CAN LAND | 1        | -       |            |  | 1        | #                |
| 1                         | -           |         | 15    |               | 26 35   | 2        | 1        |         |            |  |          |                  |
| 1                         | -           | 1       | -     | 308           | 3   | 9        |          |         |            | 514-12   |          |                  |
| 1                         | sumes       | criteri | 2     | Step C        | 0   | 1025.03  | 76       | 13      | 8          | 57   | 帮        | 928-29<br>829-80 |

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|     | Water Model-  | W-II                               |                      |
|-----|---|------------------------------------|----------------------|
| +   | Water provision to  | *Liniation                         | _                    |
|     | Diesei Pump set with Boro well (1 pump set + Bo   | re well for 5 ha plantation). Wage | Rate                 |
| -   | (a) 5267-   |                                    | 17.71                |
| T   | Cest of Bore well Year of Installation  | (0th Year)                         |                      |
| 2   | Cost of Diesel pump Set 5 HP  | 1.50,000.00                        |                      |
| 3   | Diesel pump set & accessories like  | 60,000,00                          |                      |
| 4   | Wider Storage Tanks/ Flexible pipes   | 30,000.00                          |                      |
|     | Total   | 15,000.00                          |                      |
| Cos | of Water per Plant(2,55,000/5000)=Rs.51/-   | 2,55,000.00                        |                      |
| Cas | of Water per Ha.=Rs.SL.000/-  |                                    | 51,000.0             |
|     | 1st Year Water  | ing                                |                      |
| 1   | Recurring expenditure i.e. Diesel, Mobil, Engine Oil, E   | P for numbers Manual Atlanta       | 200000               |
| 1   |   |                                    | 21,000,0             |
| 2   | Watering \$00 plants (Nov-Mar) @200plants MD with7  | days rotation to Max-              | 16 700 0             |
| 2   | 5Month=50 MDx326  | and a section to talk a            | 16,300.0             |
| 4   | Total   |                                    | 37,300.0             |
| 8   | 2 of Year Water   | ing                                | J. P. A. P. P. L. G. |
| 1   | Recurring expenditure i.e. Diesel Mobil, Engine Oil, E  | ts for pumping Water-21x1000-      | 21,000,0             |
| 2   |   |                                    |                      |
|     | Maintenance of pump set etc@15% of the installation C<br>Watering 500 plants (Nov-Mar) @200 plants/MD with? | 7351                               | 7,650.00             |
| 3   | Month=80 MDx326=  | cays romnon 10 MD € %              | 26,080.08            |
|     |   | Tetal                              | 24 7 10 00           |
| _   | 3rd Year Water  | turu .                             | 54,730.00            |
| 1   | Recurring expenditure i.e. Diesel , Mobil, Engine Oil, E  | to for pumping Water-21x1000=      | 27.000.00            |
|     |   |                                    |                      |
| 2   | Maintenance of pump set etc@15% of the installation C   | 160                                | 7,650.00             |
| 3   | Watering 500 plants (Nov-Mar) @200plants/MO with?   | days rotation 10 MD+ 8             | 26,080.00            |
|     | Month=80 MDx326=  |                                    | Al-Question (        |
| -   |   | Total                              | 54,730.00            |
|     | Vener Water   | ing.                               |                      |
| L   | Recurring expenditure Le. Diesel, Mobil, Engine Oil, E  | e for pumping Water-21x1000-       | 21,000.00            |
| 7   | Maintenance of pump set etc. 15% of the installation C  | not.                               |                      |
| 2/  |   |                                    | 7,650,00             |
| 3   | Watering 500 plants (Nov-Mar) @200plants/MD with?<br>Month-80 MDx326-                                       | days rotation 10 MD* 8             | 26,080.00            |
|     |   |                                    | *****                |
|     | 5th Vear Water  | Total                              | 54,730.00            |
|     | Recurring expenditure i.e. Diesel , Mobil, Engine Oil, Er   | c for numning Water 21- (1900-     | 23,000.00            |
|     |   |                                    | +13/00/0/0/0         |
| 2   | Maintenance of pump set etc@ 15% of the inscalintion C  |                                    | 7,650.00             |
| 3   | Watering 500 plants (Nov-Mar) @200plants/MD with?   | lays rotation 10 MD* 8             | 26,080.00            |
|     | Month=80 MDx326=  |                                    |                      |
|     |   | Total                              | 54,730.00            |

| Abstract for 1 ha. |                      |                    |                                   |               |                  |  |  |  |
|--------------------|----------------------|--------------------|-----------------------------------|---------------|------------------|--|--|--|
| SL<br>No.          | Year                 | No. person<br>days | Labour cost @ Rs.326/-<br>per day | Material Cost | Total cost (Rs.) |  |  |  |
| 1                  | 0 <sup>th</sup> Year | 0                  | 0.00                              | 51,000,00     | 51,000.00        |  |  |  |
| 2                  | 1" Year              |                    |                                   | 21,000,00     | 37,300,00        |  |  |  |
| 0                  | 2" Year              | 80                 |                                   | 28,650.00     | 54,730.00        |  |  |  |
| 4                  | 3 <sup>rd</sup> Year |                    | 26,080.00                         | 28,650,00     | 54,730,00        |  |  |  |
| 5                  | 4th Year             |                    | 26,080,00                         | 28,650,00     | 54,730.00        |  |  |  |
| 8                  | 5th 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.                     | 30 hm.        |                  |
|-----------|----------------------|--------------------|-------------------------------------|---------------|------------------|
| SL<br>No. | Year                 | No. person<br>days | Labour cost (a) Rs.326/-<br>per-day | Material Cost | Total cost (Rs.) |
| 1         | 0° Year              | 0                  | 0,00                                | 1.17,300.00   | 1,17,300,00      |
| 2         | La Year              | 115                | 37490,00                            | 48,300,00     | 85,790.00        |
| 3         | 2 <sup>nd</sup> Year | 184                | 59984.00                            | 65,895,00     | 1,25,879.00      |
| 4         | 3" Year              | 184                | 59984,00                            | 65,895.00     | 1,25,879.00      |
| 5         | 4th Year             | 184                |                                     | 65,895,00     | 1,25,879,00      |
| 6         | 5th Year             | 184                | 59984.00                            | 65,895,00     | 1.25.879.60      |
|           | Total                | 1651               | 277426,00                           | 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

Total One (10 Years)

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XVI XVII XVIII

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Matrix for Watering W.H. (Bleet Pomp set with Barenell), over 3

107258 150277 367745 388137 40540 428715

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.

| SI No. | Item of Work   | Estimated cost in                        |
|--------|--|--|
| 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)<br>over 2.30 Ha @3,67,749/Ha | Rs.8,45,822.70                           |
| 3      | Soll Moisture Conservation cost over 2.30 Ha @37,415/Ha                                | Rs.86,054.50                             |
|        | Grand Total  | Rs.12,77,229,10<br>Or<br>Rs.12,77,229.00 |

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

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

APP80VRD for AS 12,77 2201-

Regional Chief Conservator of Forests, Angul Circle.



Annexure- A/VI

# 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

Authorised Signatory

(Shib Sankarshan Mahanta)

**Authorized Signatory** 

COUNTERSIGNED

Divisional Brest Officer Cultock Forest Division



Jindal Stainless Limited

Kruf Attention to Potantos Mulis

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

Memo No. 33F9 /5F (Miss.) Dated, Cattack, the O.F - 6 - 10

To

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

Subr-

Diversion of Forest and for Chromite enising to Mohaguri D.P.F. of M/S Jindai Sminless 1 td for Sukfeith Tehell of Jajpus District - Payment of milk central amount of N.P.V at

Rote

Memo No.8235, Dc.19-05-2009 of Pr.C.CP, Orissa, circular No.21687/F&E Dt. 22, 12, 2009 of Govt. of Orisin and Letter No. 9303 /F&E Dt. 28 03 2010 of the Govt.

In personner in somme no.3235 ds.19.8 20009 of Pr.C.C.F. Crissa and Govi.of Crissa. Forest & Environment Department letter No 10 F (L) 22/2009-9801 DT 28-03 2010, you are requested to make arrangement for payment of Net Present Valor (N.P.V.) in respect of Chromite Mining Jeans of Mahagiri Chromite Mines of New Jindal Statuless Ltd. in Jajpur Detrict of Orissa as calculated below:

(1) Eco-Value Class-I

(0) Open Forest (causpy Density below 40%, i.e. below 0,4) Rate of N.P.V 7,30,000s-

CHR Foral Forest area 24.24 hu. Area already diverted -22.80 in nif Bulance area (24,24-22.80)cl. 44ha. x 7.30,000-Air count to be gold

~ 0.00

-Rs1051200,CP Ex1951280.00

You are discretize requested to make arrangement for payment of the balance amount of Ra. By 1052200 nov- (Repeat Test Lakh, Eifty Osc Phonoxed I see Hundred) only through A/C payer Demand Draft of forces of "Compensatory Afforestation Fund (CAF) Orissa Account No. CA-1525 in Corporation Bank-Limits Roud, New Belle? The Bush Druft for the above proved to be automitted to thin office within 30. they from the date of issue of this letter partitively falling which the mining operation with not be allowed to common tall the payment alengants the inforcazor the rate to be decided is depended

Vitters Franchistis.

DIVISIONAL DREST OF CUTTACK FOREST DIVISION

MEMO NO.

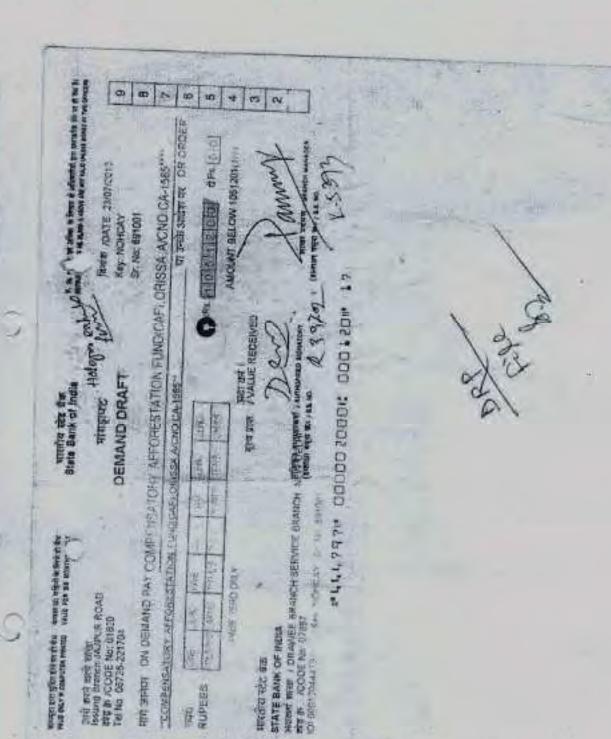
Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for favour of information and accessery with reference to memo no 8236 in 19.05.2010 of Pr.C.C.F., Crista to his

> DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

MENIO NO. 4DT

Copy submitted to the Principal Chief Conservator of Forests, Ocussa, Eliabonesis ar for favorur of information and necessary action with reference to this office Mania No.8235 19: 19:05 2010.

> DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION



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

No. 47-54 / 5F (Misc)/2015 Dated, Cuttack the 26 th May, 2015

To

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

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.), Gol, 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 Hall 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 25,101980 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 -1, 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/- (Rupens Four Crore Sixty Nine Lakh Thirty nine thousand Seven Hundred Thirty) only in factour of Ad-hoc Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) through RTGS /NEFT mode in Corporation Bank, Lodhi Complex Bringelt. New Delhi-110003 (RTGS /IPSC No. CORPO000371, 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 Jakhfally.

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 kisam land on 25.10.1980 and treated as Non-Forest Hall settlement record in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, 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 CHO TRANSFER-<br>2015 RTGS<br>SBINR520150831<br>19407011 ADHOC<br>BODY OF<br>COMPENSA-<br>752223 | 1820 | 4,69,39,786.0<br>0 |
|---|------|--------------------|
|---|------|--------------------|

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/Fo : Ratiopani- 733 647, Dist.: Jajpur, Odesha, India T +91 6726 260545; F :+91 6726 266515; E : Jindal mines@yahoo.com Registered Office : O.P. Indal Marg, Ither - 123 005 (Haryana), India, Corporate Office : Jindal Centre, 12, shikaliji Cama Place, New Delhi - 110 066, India

491 11 26188345-60, F. +91 11 26170691, 26161271, E. info@jindalstret.com, Website : www.lindaistainless.com

OFFICE OF THE DIVISIONAL FOREST OFFICER, CLITTACK FOREST DIVISION,

AT: GHATAKULA, NUAPADA, CUTTAK 753010

9952 /SF2011

Dated, Cuttack the 22 Nov. 2015

The General Manager (Massa) M/s displat Stainless Steel Ltd. Kullingeni Chestalite Mine At/PD: Kaliopani, Dist > Lipea

Subr-

Th

Guidelines regarding prior approval of Contral Covernment under the Forest (Conservation) Act, 1980 for more find up in the annual traces which were or are recorded as forcet in the Government record on to any of the PC Act came for use of forest land fulling in moto mining leaves for mining purposes, such areas

X-Sub:-

Payment of MPV for the forest absoner land as on 2: 10:1980 and treated as nonforest Had Settlement records in respect of Kalimpon's braunite Mines of M/s Jindal

Ref: Sir.

This office Memo No. 4754 do. 20105 2015

With reference to this office interes cited above in a to inform that payment has been made by you in respect of force land as on 25 to 1980 for ter, but him that we were from fetter No 196 dr. 20,09,2015 of the Mines Manager, Kalingson Commerc Stores of Mrs. Junior Standers Ltd. regulation has been made the 64.76 has of non-florest hand against florest hand for the proposed to be discreted the. equal extent of forest land). In this connection it is no major than pagenced are man 50°V over 54,361 has forest had have been made and finlance NEV over 0.350 in to on 2nd (m) 26-6-1.300 r amounting to Rs 0.459-fm X 7305009. =33507(V. in linds); in by part

Hence you are requested to make arrangement for payment of the noment of Rs. 3350704 (Rupers three labb thirty-five introduct neverty) only in Leasur of Advice Body of Compensatory Afforestation Find Management and Planning Authority (C 5519.5) the orde 970.83 NEFT mode in Corporation Bank, Ludia Complex firmen. New Dehit I 10007 (A Cess to S. No. CORPROGETT), S.B. Account No. SBB1025222) and submit the receipt in original area token of a thorax to this office for the needfel. The above amount require as he deposited within to spar from coins of this letter positively alongwith an undertaking for payment of the differential amount to ease of apound rose of the rate of NPV.

Yours frithfully,

STIBBOAT ! ) y ramoul Forest Officer. Coffici Forest Division

Memo No. 57953 Jul. 28-11. 2015

Copy forwarded to Regional Chief Conservator of Forests, August for kind information and necessary action in confinution to this office blome we diffe de 20.05 2015.

> Solvett Divisional Forest Officer, A Custney Forest Division.

9954 1 28-11 2005 Menne No.

Copy forwarded to Adul Uniof Conversation of Provide If your Diversion & Nodal Officer, FC Acri, Ore the Pr. C.C.J., Odista, Bhutaneswar for sand morar action and necessary extion in

> 28/4/12 WIY Divisional Forest Officer, A Camack Forces 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.

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

- ii) You'r 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 exempeted in respect of our Jindal Chromite mines of Jindal Stainless limited.

Thanking you,

Your's faithfully,

For Jindal Stainless limited.

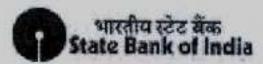
Asst Gen.Manager

OUTY ALL

Jindal Stainless Limited

ППБАЦ

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-110066, 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: sbl.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 Thitrty Five Thousand Seventy only)

## OFFICE OF THE DIVISIONAL FOREST OFFICER! CUTTACK FOREST DIVISION AT GHATAKULA, NUAPADA, CUTTAK 753010

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

No. 1469 /51 (Forest Diversion) 61 /2018 Dated, Cuttack theco. August, 2021.

10

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

Diversion of forest land for non-forest purpose under Forest (Conservation) Aux 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.

KeE +

Letter No. F.No. 10-51/2015-PC dt. 01.04.2015 of Govi. of India, MoSP & CC.

With reference to the letter cited above on the captioned subject, it is to inform that that the Clays of India, MoSF & CC vide letter under reference have intinated for realization of NPV from the user agency pertaining to the Mines and Mineral (Development and Regulation) Amendment Ordinaries 2015, period of validity of approvals accorded under Section-2 of the PC Act shall be extended, and shall be deemed to have been extended up to a period co-terminal with the period of mining lease in eccordance 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-

rotal Mining lease area - 89 Ha.

(iii) NPV paid for 1.44 Ha For safety zone of diverted forest area over 22.80 ha

Red 0.51,200.00

-R. 4,69,39,730.00

NPV paid for 64.301 Ha. (前) of forest land as per Sabik record. NEV Paid for 0.459 Ha. (iv)

- Ru.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-L

Density of vegetation below 0.4

The NPV to be paid, for 22.80 Handa Rs. 7,30,000/- per Ha = 0.5.1 Ab. 44,000,000 (Rupeer 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.

Vours fadufully,
Divisional Forest Office 9 202

Memo No 6160 Date 03-09-21

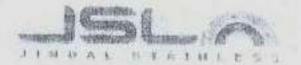
Copy submitted to the Addl. Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action.

Divisional Force Office 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 Office 202 Cuttack Forest Division



Letter, No-JSL/KLPN/2021/126

Date: 30.09.2021

To, The OFO Cuttack Forest Division Cuttack

Sub: Submission of NPV amounting Rs. 3,66,44,000/- for forest area (22.80Hz.) for which approve 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 reterror above, this is to inform your good office that in less or the conPresent Value (MPV) for Torest area (22.80Ha.) that have already accorded "stage it approved on a
Section-2 of FC Act, 1980 in respect of findal Chromite Mines of MV-lindar Stonies's Lander's amounts,
to Re-Life, 1980 (Con-Crore Sody Six Lakha-Locky Four Thousand only) has been past in to the
CAMPA Found through e-payment module having title tip. "CAMPRES2031092769(1994). October
[27.00.2021 Please find enclosed herewith the certified Challan copy named by CAMARA BARK, seguin
Road.

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

Thanking you, For findal Stainless Limited

Constato.

(Bachchan Kumar) Head (Mines)

Encl. - As above

Mark Eurold Silver

Jindal Stainless Limited
Jindal Chromite Mines
M / YO : Kalapani - 755 D47, D61 - Higher Odesto, India

T: +01 6726 258545; F: +91 6725 268315; E: jindal mines@eahou.com

hagistored Office: O.P. Jodal Ming, Hour - 125 805; Hagganat nella.
Eurporate Office: Dodal Centro, 12, Jihikaiji Carna Place, New Dolle - 110 666; buda

F: +91 11 26180349 - 60; F: +91 11 26170695; 26161271; E: hidolyjindubbest com, Wabana: -www.pudatatainie.com



ASSEMINATION !

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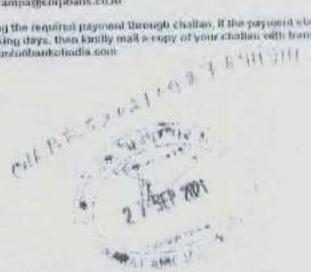
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After making successful payment, their Agencies may send a line of exolimention through Email: belpdeskcampa@corpbank.co.iu

Note: After making the required payment through challent, if the payment status has not have upstared even after I working days, then kindly mad a copy of your challen with branch her date to Lural che371@anhabankehadis.com



By Email, At -11,40 Am

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION

GHATAKULA NUAPADA, CUTTACK-753010

E-mail Id-dfo.cuttackforestdivision@valoo.com, Fax-0671-2347611 No. 28 26/5F (Forest Diversion) 2/2022

Dated, Cuttack the 09 May, 2022.

TG.

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 I 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-1 / in principle approval for nonforestry use of 66,20 ha, forest land (including safety zone area 1,809ha,) 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 enloulated below;-

(iv) The Forest area proposed for diversion- 66.20 ha

Eco- Value Class-I, density of vegetation below 0.4 (V)

The NPV to be paid @ Rs. 11, 16,900,00 per Ha. = 66,20 ha. X 11,16,900/-(vi)

= Rs. 7, 39, 38,780,00/-The NPV paid earlier @ Rs 7, 30,000.00 per Ha = 66.20 ha, X 7,30,000/-(vii) =Rs. 4, 83, 26,000.00

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 a 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 Office ACuttack Forest Division

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.

 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.2880/5F (Forest Diversion)02/2022, Date: 09th April, 2022

Sign

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 Thoosand Seven Hundred Lighty only) with the Adhoc body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA), has been paid through e-payment module having uTR No. CNRBR52022060883982179 on date: 08,06.2027 in support of evidence, the receipt of certified payment copy of e-challen (Generated from Portal) by each 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 : Kelispani - 755 047, Dist. : Jajpur, Odisha, India
T : +91 6725 268545, F : +91 6726 268315, E : India \_mines@yahoo.com
Ragistered Office : O.P. Jindal Marg. Hisar - 125 005. (Haryana) India
Corporate Office : Jindal Centre,12, Shiltaiji Cama Place,New Delhi - 110 006, India
T : +91 11 26388345 - 60, 6 : +91 11 26170691, 26161271, E : Info@jindalsteel.com, Website : www.jindalsteel.com



AGENCY COPY







NEFT / RTG5 CHALLAN for CAMPA Fonds

Date : 06-05-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED   |
|------------------|---|
| Application No.  | 5820736215  |
| MoEF/SQ File No. | 8-68/2060-FC PT.  |
| Location.        | ORRISA  |
| Address          | Jindal Steinless Limited,<br>kallings Nayar Industrial<br>Complex, Jajpur, Odikha-<br>753 026Jajpur |
| Amount(in Hs)    | 571583000   |

Amount in Words (Five Cross Several-One Lest Ninery-Eight Declared Three Hundred and Eighty Ruseas (Crit)

NEFT/RTGS to be made as per following details;

| Beneficiary Name         | ORRISA CAMPA   |
|--------------------------|--|
| IFSC Code:               | 1/BIN0903710   |
| Pay to Account No.       | 158625820736218<br>Valid coty for this<br>challan amount.  |
| Bank Natio &<br>Address: | Union Bank Of India<br>Lochi Complex Branch.<br>Slock 11,000 Complex,<br>Phase I, Lodhi Road, New<br>Delhi -110003 |

This Creation is strictly to be used for mining payment to CAMPA by NEFT/RTGS only

BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

DMe : 06-06-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED   |
|------------------|---|
| Application No.  | 5820730219  |
| MoEFISG File No. | 6-98/2000-FG FT.  |
| Location.        | ORRISA  |
| Address:         | Jindal Staintese Limited,<br>katinga Nagur Industrial<br>Complex, Jaipur, Odisha-<br>705 026 Jaipur |
| Amount(in Rs)    | 575983806-  |

Amount in Words Five Crore Severny Cros Lakif Smary-Bland Thisusand Three Hardner and Eighty Rupess. Grey

NEFT/RTGS to be made as per following details:

| Beneficiary Name:       | ORRISA CAMPA  |
|-------------------------|---|
| FBC Code:               | UBJN0963710   |
| Pay to Account No.      | T50825820736219<br>Valid only for this<br>challen amount  |
| Bank Nums &<br>Address: | Union Bank Of India<br>Lacht Complex Branch,<br>Block 11, CGO Complex,<br>Phase I, Lodhi Rend, Now<br>Bolls'-116903 |

 This Challan is strictly to be used for making payment to CAMPA by NEFTIR TGS 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; cb6371@unionbankofindla.com.

RTAS UTR-CONFERSED22060883982179 Date-108/06/2022

कृते केनरा बेंक For Capara Bank

Transport Manager



Annexure- / VII

# CONDITION NO:-A (vii) UNDERTAKING

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

 Sti Shib hani,urshan Mahanta AGM(ER) & Authorized Signatory of lindal Stainlass Limited do hereby undertake that the undal Stainlass 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 15.01.2022. 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

Authorised Signatory

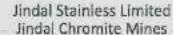
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Porest Officer Cuttack Forest Division





At / PD : 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 | Jindel Ceritre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India
T +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E | Info@jindelsteel.com, Website | www.incelstainless.com



By Frail, At -11.35 Am pt-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 nun-forest land identified in village Serenda, Khamara, Badabahai, Gunthapada and Luhamunda 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 Flundred) only with the Adhoe 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.

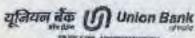
Yours faithfully.

Divisional Forest Officer 2021

Copy for kind information to:

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

AGENCY COPY







HEFT / RYGS CHALLAN for CAMPA Funds

Date : 06-06-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED  |
|------------------|--|
| Application No.  | 5820736219   |
| MoEF/SO File No. | 8-68/2000-FC PT.   |
| Location         | ORRESA   |
| Address.         | Jindal Stainless Limitest,<br>Kalinga Nagor Industrial<br>Complex, Jajpur, Odisha-<br>755 626 Jajpur |
| Amount in Rs     | 97198386/-   |

Amount to Words: Pive Cross Seventy-One Lubi Ninely-Elem Thousand Three Hundred and Eighty Rupers: Duty

NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA  |
|-------------------------|---|
| IFSC Code:              | UBIN0903710   |
| Pay to Account No.      | Valid only for this challen amount.   |
| Bank Name &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11,CGO Complex,<br>Phase I, Lodhi Rous, New<br>Delhi-118863 |

This Crallen is strictly to be used for making payment to GAMPA by NEFTICLUS only

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यूनियन बैंक 🕜 Union Bank





NEFT / RYGS CHALLAN for CAMPA Funds

Data : 08-06-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED   |  |
|------------------|---|--|
| Application No.  | 5820736219  |  |
| MoEFISG File No. | 6-88/2006-FC PT.  |  |
| Location.        | ORRISA  |  |
| Addresés         | Jindal Steinina Limited<br>kalinga Nagar Industrial<br>Complex, jajpur, Odisha-<br>755 026 Jajpur |  |
| Amount(in Rs)    | 57198380/-  |  |

Amount in Words: Five Crore Seventy-One Lauf Navery-Eight Thusband Three Handred and Eighty Schlere. Only

NEFT/RTGS to be made as per following details:

| Beneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| IFSC Code:              | LIBIN0903710   |
| Pay to Account No.      | Valid only for this challent amount.   |
| Bank Hame &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11,GGU Complex,<br>Phase I, Lodhi Hosd, New<br>Delhi -110003 |

This Challan is strictly to be used for making payment to CAMPA by NEFT/FCTGG 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: cb03/1@unionbenkofindia.com

Boten 08/06/2022

कृते केनरा बैंक For Capara Bank

Tris /Jajpur Road 755019

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

Tel: 0671-2340443 FAX: - 0671-2347611 Emuil: - dfo.euttack@odishg.gov.in No. 5681 /5F (Forest Diversion) 61 /2018

Dated, Cuttack the 25 th August, 2022

Te

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

Sub:-

Proposal for diversion of 65.20 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: -

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

Sin

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, Gunthapada and Luhamunda 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 mount Rs. 56.08.600.00 (Rapces Fifty-Six Lakh Eight Thousand Six Hundred) (Rs.3,81,94,200.00 - Rs.J.15,85,600.00-Rs.10,00,000) unly with the Adhoe body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through epayment 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, Athansalik Division in kind.

Yours Faithfully

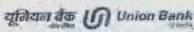
Divisional Fore 260 ACuttack Forest Division

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.









NEFT / RTGS CHALLAN for CAMPA Funds

Date : 30-08-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED  |  |
|------------------|--|--|
| Application No.  | 5820736763   |  |
| MoEPISG File No. | 8-88/2000-FC PT.   |  |
| Location.        | DRRISA   |  |
| Address.         | Jindal Stainless Licitied,<br>kalinga Nagar Industrial<br>Complex, jajpur, Othrina-<br>159 926Jojpur |  |
| Amount(in Rs)    | 11273707/-   |  |
|                  |  |  |

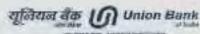
Amount is Weeds One Crore Tweeve Link Sever by Trace Thousand Seven Hundred and Seven Number Only

# NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA  |  |
|-------------------------|---|--|
| IPSC Code:              | UBIN0956335   |  |
| Pay to Account No.      | 186825820738763<br>Valid only for this<br>challen arround.  |  |
| Back Name &<br>Andress: | Uston Bank Of India<br>Ledti Complex Branch<br>Block 11,CGO Complex,<br>Phase I, Local Road, New<br>Delar -110003 |  |

This Challen is strictly to be used for mailing payment to CAMPA by NEFT/RTGS only

BANK COPY



Po mon



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 36-96-2022

| Agency Name.     | JINDAL STAINLESS<br>LIMITED   |  |
|------------------|---|--|
| Application No.  | 5829736763  |  |
| MoEFISG File No. | 8-68/2009-FC PT.  |  |
| Lecation.        | ORRISA  |  |
| Address:         | Jindat Statuless Limited,<br>Swimpa Nagar Industrial<br>Complex, julpur, Orlishs-<br>755 028 Jajpar |  |
| Ammunt(in Rs)    | 11273707/-  |  |

Amount in Words One Crore Twolve Leith Seventy-Trave Thousand Seven Handred end Seven Rupees Only

# NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA  |  |
|-------------------------|---|--|
| IFSC Code:              | DBM050222   |  |
| Pay to Account No.      | 156825826736763<br>Valid only for their<br>challen amount   |  |
| Dank Name &<br>Andress: | Union Bank Of India<br>Lodki Complex Branch,<br>Block 11,050 Complex<br>Phase I, Lodki Road, New<br>Detti +110003 |  |

 This Change 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: helpdeskoampa@corpbank.co.in

Note: After making the required payment through challen, if the payment status has not been updated even after 7 working days, then kindly mall a copy of your challan with transaction date to Email: cb0371@unionbankofindia.com

UTE NO + CARBE 52012090289081231



Ken Assention to Atlantos Rales OFFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION GHATAKULA: NUAPARA: CUTTACK Memo No. 33/7 /5F (Misc.) Dated, Cattack, the 21-6-10 To The Resident Manager M/S. Jindal Stainless Ltd. 50-HIG-BDA, Jaydev Vihar, Bhubaneswar. Sub:

Diversion of Forest land for Chromite mining is Mobagiri D.F.F. of M/S Bodal Stainless Led in Subjects Tehril of Jaipur District - Payment of differential amount of N.P.V at

Rec.

Monte No.8235, Dt.19.05.2009 of Pr.C.CF, Orissa, circular No.21687/F&E Di 22.12.2009 of Govi. of Cirica and Letter No.9803 (F&E. Di 28.05.2010 of the Govi. of Orthon.

In paramonee to mimo politica de 10.8,20909 of Pr.C.C.F. Orion and Gost of Orista, Forms & Environment Department letter No.10 F (L.) 23/2009-9803 DT 28.05.2010, you are requested to make ortongement for payment of Net Present Value (N.P.V.) in respect of Chromite Mining Sease of Mohagiri Chromite Mines of Sho, Jindal Sminless Ltd. in Jajpur District of Oroma as culculated below;

CH Eco-Value Ches 1

(11) Open Perest framepy flowery below 40% Lo. below 0.4) Rate of N.P.V 7,30,600/-

Total Porest area 24,24 ha (HIII Area already diverted =22.80 @ nil Balance area (24,24-22.80) d.44ha. v 7,70,000 v

- Rai051200.00 - Rs495) 200 ou

Air confer to be paid

You are therefore requested to make arrangement for payment of the balance amount of Pa., Relast200,000 (Rapper Few Lobbs Fifty One Thousand I'vo Hundord) only though A/C payer Demand Drail or favor of "Compensatory Afforestation Fund (CAF) Orizon Account No. CA-1585 in Corporation flank-Locate Board, New Dellor. The Bank Draft for the above mouses required to be submitted to this office within 10 days form the date of imue of this tester positively failing which the mixing operation will not be allowed to contents off the povement Mangwells the innerest at the rate to be excelled is deposited

Yours Faithfully,

DIVISIONAL TOREST OFFICER CUTTACK FOREST DIVISION

MEMO NO.

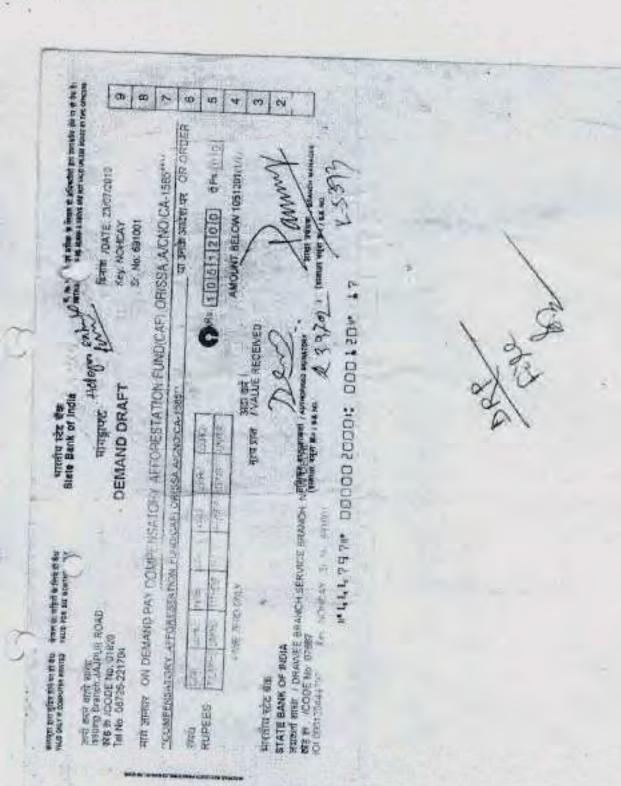
Copy submitted to the Regional Chief Conservator of Forests, Angul Circle, Angul for flavour of information and necessary with reference to memo au \$236 dt.19.05.2010 of th.C.E.F., Orison to his

> DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

MEMO NO.

Copy submitted to the Principal Chief Conscruator of Forests, Oriesa, Bhabaneswar for fireour of information and necessary action with reference to this office Memo No.8235 Er.19.05.2010.

> DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION



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

No. HT5H / SF (Misc)/2015 Dated, Cuttack the & 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 nonforest. 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.), Gol, 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 25,101980 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 smount of Rs. 4,69,39,730/- (Rupees Four Crore Sixty Nine Lukh 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, Ludhi Complex Branch, New Delhi-110003 (RTGS /IPSC 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 along with an undertaking for payment of the differential amount in case of upward rise of the rate of NPV.

Yours Mithfully.

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 kisam land on 25.10.1980 and treated as Non-Forest Hall settlement record in respect of Kaliapani Chromite Mines of M/s Jindal Stainless Ltd. Kaliapani, Jajour

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:

|  | CHO TRANSFER-<br>RTGS<br>SBINR520150831<br>19407011 ADHOC<br>BODY OF<br>COMPENSA-<br>752223 | 4 | 1820 | 4,69,39,786.0<br>0 |
|--|---|---|------|--------------------|
|--|---|---|------|--------------------|

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)

Jindal Stainless Limited Jindal Chromite Mines

At/Po Kellepeni- 755 047, Dist.: Jajpur, Odoha, India T: +91 6726 265545, F: +91 6726 268315, F: jindal\_mines@yahoo.com
Registered Office: O.P. Indal Marg. Histar 125 005 (Haryana), India.
Corporate Office: Jindal Centre, 12, Shikadi Como Mace, New Delhi 110 665, India
191 11 26188343-60, F: +91 11 26170591, 26161271, E: inlin@jindalsteel.com, Website: www.jindalsteinless.com

OFFICE OF THE DIVISIONAL FOREST OFFICER CUITACK FOREST DIVISION. AT- GHATAKULA, SUAPADA, CUTTAK YAMID

9952 15772914 Dated, Cutheck the 22 Nov. 2013

The General Manager (Misser) No. Hindel Smirrhon Steel Ltd. Kalispani Chronite Mine AcPO; Kolinpani, Dist :- Lupar

Sub:-

Coldelines regarding prior approved of Control Covernment under the Forest (Conservation) Act. 1000 for areas field or in the sponling leaves which were or are recycled as forcet in the Consecution record on an arrow the slay of the PC Act came for use of furon land failing in such making Janua are taking purposes, such areas

X Sub:

Payment of NPV for the forest kissem had as on 21 10,1980 and treated at nonforest Hal Settlement records in respect of Kaliapum Chromite Mines of Ma Jindal Stainless Ltd., Kaliapani, Jaipur.

RUE-Sir.

This office Meno No. 4751 th 20.05/2015.

With reference to this office income mind altered, it is no artising that payment has been number by you in respect of forest band as on 23 (a 198). Go of 199 has tour at -on from letter No 196 dt. 29.09,2015 of the Mines Manager, Kalingson' Chrosupte Mines of Airs South Stansiess Ltd. requisition Tan been made for 64,76 has of man-forces hard against hards that tall in the possed to be diversed that equal extent of forest hand). In this consection it is no arrived that payment invested MPV over 64,301 has forest land have been muste and balance NPV over 0.150 has forest and (0.1,76-6.1.302) amounting to Rs. 0.459 to X 7300000 =135070 - 25 la,life to La paul

Hence you are requested to make arrangement for payment of the amount of Rs. 135070/- (Rupoes three table there-five thousand severey) mily in Cycuic all ind-ince Body of Compensatory Afforestation Fund Management and Planning Authority (CAMPA) the cale MIGS NEFT made in Corporation Bank, Lodin Complex Blanch, Sans Lette-Floury (2005) B SC No. CORPO000371, S.B. Account No. SHO1025222) and submit the receipt in original as a johnn or evidence to this office for the needful. The above amount require to be deposited within the days from main of this letter positively alongwith an undertaking for payment of the dathermost association case of between the of the rate of NPV.

r ours faithfully

helshapl Forest Officer, attack Forest Division

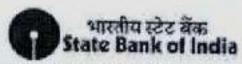
Mame No. 9953 till. 2g - 1/- 2016 Copy forwarded to Haplana Chief Containvalor of Florests, Angel, for kind information and necessary action in continuation to this office Menno No. 4736 & 20 05 2045.

Lavinional Forest Officer. Cullack Forest Division.

Mone No. 9954 28-11 515

Copy forwarded to Astill Chief Countrials of Forces Perest Diversion & Nodal Officer, FC Acid Oto the Pr. C.C.F. Callabo, Bludous read for blind motor and necessary action in

> Sellismy Divisional Porest Officer. Q Cuttack Forest Division



JAJPUR ROAD BRANCH (1820) JAJPUR - 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 Thitrty Five Thousand Seventy only)

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

Tel - 0671-7957611 PAX - 0671-2347611 Emails discounce of agov in

No. Lock 1 / SF (Forest Diversion) 61 /2018 Dated, Cuttack there August, 2021.

To

The Mines Manager, Jiadal Chromite Mines, M's Jiadal Stainless Ltd., Keliopani, Odislan

Sub: -

Diversion of forest lood for non-forest purpose under Forest (Conservation) Act, 1980- Onlideline's regarding extension of period of validity of approvals accorded under the Forest (Conservation) Act, 1980 for diversion of forest load for mining projects.

Ref: -

Lester No. P No. 11-\$1/2015 FC or 01.04/2015 of Gove of India, Mark? & CC.

Sir.

With reference to the letter cited above on the captioned subject, it is to inform that that the Cort. of India, MoElf & CC vide letter under reference have intimated for realization of NPV from the user agracy permitting to the Mines and Mineral (Development and Regulation) Assendment Ordinarité 2015, period of validity of approvale accorded under Soction-2 of the FC Act shall be extended, and shall be deemed to have been extended up to a period do-terminal with the period of mining lesse in accordance with the Previous of the MMTM Act, 1957.

In this connection, for compliance of Condation No. (iii) of the above notification, it is requested to pay the Not Present Value (NPV) of Porest area that have already accorded stage-II approval under Section-2 of I'C Act, 1980 over an area of 22.80 (Ia.

The NPV amount is calculated below:

(i) Total Minnig lease area -89 Ha.

(ii) NPV paid for 1,44 Ho. For safety zone of diverted forest area over 22,80 ha

-Rs.10,51,200:60

(iii) NPV paid for 64.301 Ha of forest land as per Sabik record -Rs. 4.59,39,730.00

(iv) NPV Paid for 0.459 Ha.

- Ry.3,35,070.00

of forest land as per Sabik record

As per site inspection report the condition of vegetation and type of forces in applied must be been Value Class-I.

Density of vegetation below 0.4

The NPV to be paid, for 22,80 Hz, of Rs. 7,30,000/- per Ha = Rs. 1,66,44,000.00 (Rupees One Crore Sixty six lukh furty-four thousand) only.

(P.T.O.)

AGENCY COPY

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MEET ARCTOR CHALL AN DO CAMPA Family.

THEF 32-99-7671

| Sprey Neses       | LIMITED   |  |
|-------------------|---|--|
| Application No.   | 6041400b4G  |  |
| MinEFING File No. | flA   |  |
| Location.         | 08864   |  |
| Authorys.         | Brutal Standies Limited,<br>Laftiga Hager Infostrial<br>Complex, Jegour, Christia<br>185 626 Julpur |  |
| Aritemetitic ling | TOTAL STREET  |  |

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|------------------------|---|
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| Besh Nove &<br>Address | troop Book Of India<br>Lordhi Chendes Organich,<br>Plock 11, COLI Complex,<br>Pluck 1, Loddi Hond, Tow<br>Orth 198001 |

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MARK CORY

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Date: VZ (or D) Z1

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| garphon:          | CHURSA   |  |
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| Amountim tout     | 365440min  |  |

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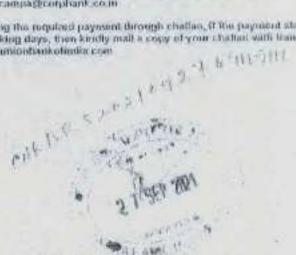
NEFF/RIGS to be made as per following details:

| Denelliary Name           | GHRISA:CAMPA   |
|---------------------------|--|
| Will Code                 | 199943090037-03  |
| Pay to Accused the        | SUBSTITUTE FOR THE PROBLEM OF THE PR |
| Incol Hause &<br>Addresse | three flant of hairs<br>fishind require flams to<br>friend 1 Lindo (Smarks,<br>19 and Lindo (Scart, the<br>Lond 1 Magn)  |

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After making successful payment, User Agencies may send a line of continuation through Email: helpfusiccampa@corphank.co.in

time After making the required payment through challen, if the payment stance has not been updated even after I verificing days, then kindly reall a copy of your challest with transaction date to finall; child; child; from the copy of the copy of



By Email, Af -11,40 Am)

OFFICE OF THE DIVISIONAL FOREST OFFICER, CUTTACK FOREST DIVISION -10:05 a022

GHATAKULA, NUAPADA, CUTTACK-753010

E-mail Id-dfo.cuttackforestdivision@yahoo.com, Fax-0671-2347611 No. 28 20/5F (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 wres-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 Tabasil 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 latter cited-above on the captioned subject, it is to inform you that the Govi. of India, MoEF & CC vide letter under reference have accorded Stage-I / in principle approval for nonforestry 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 lindal Chromite Mines of M/S Jindal Stainless Limited in village Kallapuni and Forest Block. 27 of Mahagiri DPF in Sukinda Tahasil of Japur 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:-

The Forest area proposed for diversion- 66.20 ha (iv)

Eco-Value Class-I, density of vegetation below 0.4 (v)

The NPV to be paid @ Rs. 11, 16,900.00 per Ha. = 66.20 ha. X 11,16,900/-(vi)

= Rs. 7, 39, 38,780.00/-The NPV paid earlier @ Rs 7, 30,000.00 per Ha = 66.20 ha. X 7,30,000/-(vii)

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 amountof Rs.2, 55, 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

Hence, you are requested to make arrangements for payment of the above arnot through online portal into Ad-hoc CAMPA account & submit the receipt of the deposition as eviden 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't Supreme Court of India.

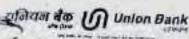
Yours faithfully,

Divisional Forest Office Cuttack Forest Division

Copy submitted for kind information to:

1. The Regional Chief Conservator of Forests, Angul Circle, Angul.

 The Conservator of Forests (Nodal), O/o- the Principal Chief Conservator of Forests & HoFF, Odisha, Bhubaneswar. AGENCY COPY







NEFT I RYGS CHALLAN for CAMPA Funds Date 06-05-2022

| Agency Name    | JINDAL STAINLESS   |
|----------------|--|
| Application No | 5820736219   |
| MaEFISG FA No  | 8-86/2000-PC PT  |
| Location +     | ORRISA   |
| Ausdras s      | Jindai Stantioss Limited,<br>Kallinga Nagar Industrial<br>Complex, Jajper Odisha-<br>753 026/ajpur |
| Amauntlin Raj  | 57198380/-   |

Amount in Words. Free Crose Seventy-One Line remote Eight Frems and Three Humbert and Eighty Rapters (Selly

NEFT/RTGS to be made as per following details;

| Becafficiary Name:        | ORRISA CAMPA  |
|---------------------------|---|
| IFSC Code:                | UBIN6503710   |
| Pay to Account No.        | 750825830736219<br>Valid only for this<br>challen amount  |
| Bank Name & .<br>Address: | Union Bank Of India<br>Lochi Complex Branch,<br>Block 11, CGO Complex,<br>Phase I, Lodhi Road, New<br>Gerni -110003 |

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

BANK COPY

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B. ...



NEFT / RTGS CHALLAN for CAMPA Funds

Date 06-06-2022

| Agency Name      | JINDAL STAINLESS  |
|------------------|---|
| Application No.  | 5829736219  |
| MoEFISO File No. | 6-68/2000-FC PT.  |
| Location,        | ORRISA  |
| Address:         | Jindel Stateless Limited,<br>kalinga Nagar Industrial<br>Complex, japur, Odisha-<br>755 026 Japur |
| Amount(in Fis)   | 571983.60   |

Amount in Words: Fine Cross Severity Copy Lists Harary Eight Thoosend Eleverithmakes and English Repeat Gold

NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| IFSC Code:              | U9140901710  |
| Pay to Account No.      | Valid only for mis<br>challen amount   |
| Bank Name &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11 CGO Complex,<br>Phase I, Lodhi Road, Naw<br>Delni -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: helpdeskcampe@corpbank.co.in

Rote: After making the required payment through challen, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challen with transaction date to Email: cb0371@unionbankofindle.com

RTAS UPR-CARBRES2022060883982179 Date-108/06/2022

> कृते केनरा बेंक For Canara Bank

> > प्रवेषक Child Manager तेत /Jajpur Road-755019

# DEFICE OF THE DIVISIONAL FOREST OFFICER: CUTTACK FOREST DIVISION GHATAKULA: NUAPARA: CUTTACK

Memo No. 8 Dated, Cuttack 22th January 2013.

The Resident Manager, M/5 Jindal Stainless Ltd., 50-HIG-BDA, Jayadev Vihar, Bhubaneswar.

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 Mohagiri Chromite Mines of M/S Jindal Strips Ltd.(now renamed as

findal Stainless Ltd.

Ref:

Letter No.10F (Cons)-81/2004-6495/F&E Dt.23,03.2008 BOVE. of Orissa Forest & Environment Department communicated all CF & and DPOs by the CCF (Nodal) O/O-the P.C.C.F. Orissa vide his memo no.8664/9F (MG)-65/2005 DL02.05.2008 No.2027/9F (MG)-65/2015 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. 17.80.006/-(Rupees seventeen takh eighty thousand) only towards cost of Wildlife Management Plan over 89,00ha, of M.I. area in respect of Kaliapani Chromite Mines of Jindal States and 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:

- L. Union Bank of India, Sundar Nagar, New Delhi-119003 (RTGS/IFSC No. IJBIN0534498)
- 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)



Registered Address : CP Jocal Marg, Hisse-125005, Haryans, INDIA Corporate Office : Judal Center 12, Brikaji Carna Place. New Dehi-110086, INDIA Jindal Stainless Limited Jindal Chromite Mines Pol Kalapani-755047 Dist Jajpor Drisaa INDIA

Ph: (06726) 206449 Tel/Fax: (06725) 268315 Email-jietal\_mines@yahoo.com Web: www.findableiriless.com

OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE, ATPO-HAKIMPADA, ANGUL-759143, ODISHA, Phone-06764-296010 (O), 296011(Res), Ernsil Id: conferences.

Email ld: recfangule amail.com

Memo No. 3307/SF.FC-18/2022. Dated. 06 2.22

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 Kaliayan) under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Appropriat of schemes for 1.5 times of safety zone.

Ref:- Your Memo No. 5036 dated 28.7.2022

As per condition No. B (xv) (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 DPF 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 mise demand on the user Agency to deposit the approved amount in proper hand 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

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 Noda) 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 Courack Division.

Encl: As above.

Regional Chief Conservator of Forests

Memo No. 3309dated. 66.8-29.

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

Regional Chief Conservator of Forests

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

Tel:- 0671-2340443 FAX: - 0671-2347611 Email:- dfo.cuttack@odisha.gov.in Memo No 560/ /5F (Forest Diversion) 61/2018

Dated, Cuttack the 22 th August, 2022

To

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

Suba

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.

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

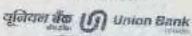
Outtack Forest Division

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.









NEFT / RTGS CHALLARI for CAMPA Funds Date: 34-95-2022

| Agency Name.      | JUIDAL STAINLESS   |
|-------------------|--|
| Application No.   | 5826736763   |
| Molified File No. | 5-68(0000-FC PT.   |
| Location.         | DRRISA   |
| Adoresa           | Sindsi Steinluss Limited,<br>hallings Negar Industrial<br>Complex, julpur, Orienz-<br>755 026Japur |
| Ammyrdfar Ret     | 11273707/-   |

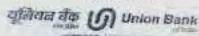
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NEFT/RTGS to be made as per following details;

| Boneficiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| If SC Code:             | LEMEROSS   |
| Pay to Account No.      | 150625828736783<br>Valid arcy for mus<br>climbra amouse  |
| Bank Name &<br>Address: | Union Bank Of India<br>Lockel Complex Branch;<br>Slock 11.CGO Complex,<br>Phase I, Ledit Road, New<br>Delhi: -110003 |

This Challan is strictly to be used for making payment to CAMPA by NEFTIRTIES only

#### BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Dalw: 30-08-2022

| Agency Name.      | JINDAL STAINLESS  |
|-------------------|---|
| Appleation Na.    | 5820736763  |
| Materisa file No. | 8-58/2000-FC PT.  |
| Location.         | OKRISA  |
| Admest            | Jindal Stalniuse Limitao,<br>kalinga Nagar Industrial<br>Gomplex, jajpur, Odisha.<br>755 028 Jajpur |
| Amountui Ra)      | 11273707/-  |

Amount to Wheels, One Cross Twater Lake Seventy-Throat Thousand Coron Hundred and Seven Regions (0.9)

NEFT/RTGS to be made as per following details;

| Beneficiary Name:        | ORRISA CAMPA   |
|--------------------------|--|
| IFDC Code:               | U8100906335  |
| Pay to Account No.       | 150825820236763<br>Weld only fer this<br>challen amount  |
| Bare Name &<br>Additects | Union Bank Of Insta<br>Leicht Complex Branch,<br>Slock 11 CGO Complex,<br>Phase 1, Loddi Road, New<br>Demi -11060; |

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

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

Note: After making the required payment through challen, if the payment status has not been updated even after 7 working days, then kindly mall a copy of your challen with transaction date to Entail: cb03/1@unionbenkofindia.com

The total server





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

Email Id: recfangul@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 land 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 Tahnail 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 findal Chromite Mines of findal 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 CCF, Odisha.

Encl: As above.

Regional Chief Conservator of Forests

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 Foresta & 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

Memo No. 3489 dated. 22,8-22
Copy forwarded to the Authorised Signatory, Jindal Chromite Mines of M/sJindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

Received enclosure

BANK .

Regional Chief Conservator of Forests

9:

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

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

Mema No. 5482, 15F (Forest Diversion) 61 /2018

Dated, Coffeel, the 2 5 th August, 2022

To

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

Subs -

Proposal for diversion of 56.20 ha forest land (including safety zone area 1.899ha.) Under Section 2(ii) of Forest (conservation) Act 1980 in respect to Jindal Chromite Minus of M/S Undal Stainless Limited in village Kalinpani, under Sakinda Talquell of Jajpur District under Cuttack Forest Division.

Reft-

Memi: 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-clied 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 findal Chromite Mines of findal 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 (iii) 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 (Rupces Twenty-Nine Lakii Fitteen Thousand Fifty-Five) only with the Adhec 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 Crest Dock

Cuttack Forest Physicion

Copy for kind information to:

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

(li) The Regional Chief Conservator of Forests, Angul Circle, Angul

AGENCY COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date: 30-08-2022

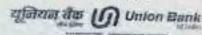
| Agency Name.     | ANOAL STAINLESS<br>LIMITED  |
|------------------|---|
| Application No.  | 5820736763  |
| MaERISG File No. | 8-68/2000-FC PT   |
| Location.        | ORRISA  |
| Address.         | Jindal Stainless Limited<br>kalings Negar Industrial<br>Complex, Jajour, Odisha-<br>755 (28Jajour |
| Amount(in Rs)    | 11273707/-  |

Amount in Words (One Orang Twelve Leth Descrip-Tions Trousant Seven Handred and Seven Russial Only

NEFT/RTGS to be made as per following details;

| Beneficiary Nama:       | ORRISA CAMPA  |
|-------------------------|---|
| IFSC Code:              | Diamag998336  |
| Pay to Account No.      | 1508258207367EF<br>Valid only for this<br>crealing amount.  |
| Bank Name &<br>Address: | Union Bank Of India<br>Lodhi Complex Branch,<br>Block 11,090 Complex,<br>Phase I, Lothi Road, New<br>Delhi -11003 |

 This Challen is strictly to be used for making payment to CAMPA by NEFT/RTGS only BANK COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Dala: 38-08-2022

| Agency Name.     | JINDAL STANLESS<br>LIMITED   |
|------------------|--|
| Application No.  | 5820738783   |
| MoEF/SG File No. | 8-68/2000-FC.PT.   |
| Location.        | ORRISA   |
| Address          | Jindal Stainless Limited,<br>Relings Nagur Industrial<br>Complex, Joper, Odisha-<br>755 926 Jajpur   |
| Amount(in Rs)    | 19273707/-   |
|                  | Contract of the Contract of th |

Assessed in Words Oos Cross Twilve Laid: Seventy-Tripe. Thousand Seven Hundred and Seven Rupiers Only

NEFT/RTGS to be made as per following details;

| Beneficiary Name:        | ORRISA CAMPA  |  |  |  |
|--------------------------|---|--|--|--|
| IFEC Code:               | UBIN0996335   |  |  |  |
| Pay to Account No.       | 950825828736763<br>Valid only for this<br>challen amount.   |  |  |  |
| Benk Name &<br>Addresse: | Unloy Bank Of India<br>Lock! Complex Branch,<br>Block 11, CGO Complex,<br>Phase I, Locth Road, New<br>Dath! -110082 |  |  |  |

 Title Challen is strictly to be payd 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: cb03/1@unionbankofindia.com

UTE NO -1 CHEBR SACREGORGE 908 423 1 Jute -> 08/09/2022



# 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

MoET &CC accorded approval for 'In-principle' under section 2 of the Forest Conservation Act 1980 vide its order no. I No. 8-68/2000-FC(pt), Dt 29.03-2022 in respect of Indial Chromite Mines of M/s- limital Stainleis Limited in village Kaliapsoi and forest Block No-27 of Mahagin DPF in Sukinda Tabasil of Jajpur District under Coltack Forest Division, subject to fulfillment of certain conditions

The condition No. A (ix) is "The User agency either himself or through the State Forest Desertoient 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 propared and submitted to MoEl & 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 Jajour District. The Kaliapani village of Sukinda Tahsil area is the major chromite deposit of the India which exhibits about 97 % of the total Chrome are reserve in India. There are 27 Mining Leases approx. In the area for production of Chrome are, 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 rig-27 of Mahagin BIPF 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 & moreture conservation activities to restock and rejuvenate.

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

#### 9. 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.

#### 2. 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.
- Bambon 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  |
|------------------------|--------------|--|
| Azndirochta Indica     | Neem         | In rocky areas with few soil depth   |
| Ferris Indico          | Karanja      | In rocky areas with low soil depth   |
| Emblica officinalis    | Amla         | In rocky areas with low soil depth   |
| Terminalia chebula     | Harlda       | In lower areas with good soil depth  |
| Terminalla bellirica   | Bahada       | In lower areas with good soil depth  |
| Dalbergia sissoo       | Sissoo       | In lower areas with good soil depth  |
| Gmelina arborea        | Gambhari     | In lower areas with good soil depth  |
| Dendrocalamus strictus | Salia bambou | In lower areas with good soil depth healthy seedlings from rhizomes may be planted   |
| Dalbergia sissoo       | Sissu        | In lower areas with good soil depth  |
|                        | Chakunda     | In lower areas with good soil depth  |
| Tamarindus indica      | Tentul(      | In lower areas with good soil depth  |
| Madhuca indica         | Mahoh        | Only two years old seedlings may be planted  |
| Simartiba glauca       | Simaruba     | In rocky areas with low soil depth   |
| Ziryphus maoritanja    | Ber          | In rocky areas with low soil depth   |
| Mangifera indica       | Mango        | In situ plantation (direct placing of mange stone in<br>planting site) during pre-monsoon may be adopted in<br>few lower areas or where life-saving watering can be<br>done during summer. |

#### 4. EXECUTING AGENCY:-

The work in the present Scheme shall be executed by M/s findal 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 DPF

| Si No. | Hem of Work   | Estimated cost in<br>(Rs.)               |
|--------|---|--|
| 1      | Block Plantation (1000 Plants/ Ha.) over 3.18 Ha @2,56,207/Ha                       | Rs.8,14,738.26                           |
| 2      | Fencing Model-F-I(Bamboo Twig) over 3.18 Ha@1,07,216/Ha                             | Rs.3,40,946.88                           |
| 3      | Soil Muisture Conservation cost over 3.18 Ha (6:37,415/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<br>Or<br>Rs.29,15,055.00 |

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

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

Approved for No- 20,15,055/\_

Regional Chief Conservator of Forests, Angul Circle. SCHEME FOR PLANTATION OVER DEGRADED FOREST LAND 100MTR AROUND THE MINING LEASE AREA DEJINDAL CHROMITE MINES OF MIS-JINDAL STAINLESS LIMITED UNDER DUTTACK FOREST DIVISION OVER 3.38 HA IN MANAGEN DES DURING 2003 2003

| Arenio of the replace          | IN MAHAGIRI DEF DURING 2022-23  SCHEME FOR PLANTATION OVER DEGRADED FOREST LAND TOOMTR AROUND THE MINING LEASE AREA DEJINDAL CHROMITE MINES OF MIS- JINDAL STAINLESS LIMITED UNDER CUTTACK FOREST DIVISION OVER 3.18 HA IN MAHAGIRI DEF DURING 2022-22. |
|--------------------------------|---|
| Name of Intelementing Agenty:- | JINDAL STAINLESS LIMITED  |

| 1, MDDEL                              | 1 1/2/20       |
|---------------------------------------|----------------|
| 2. NO, OF PLANTS PER HA.              | BLOCK          |
| 3. TOTAL AREA TO BE PLANTEDON HA.)    | 1,600          |
| 4 SPACING TO BE ADOPTED               | 3/18           |
| B. TOTAL NOS. OF PLANTS TO BE PLANTED | 2.8Mfr X 2.6Mb |
| 6. Wage Rate [Per MD]                 | 3,180          |
| Tracks count do the word              | 328.00         |

| Ra, | ligita of Works  | Period of axeculion | Mandays      | Labour Goat<br>60 Rts, 3264 | Material | Total in Ro |
|-----|--|---------------------|--------------|-----------------------------|----------|-------------|
| 1   | 1  | 2                   | - 4          | 5                           | 6-       | 7           |
| -   | Pro-Pla  | enting Opera        | tion (0" rea |                             |          | -           |
| 1   | Survey Demandation and Piller Pasting  | NoviOec             | 2            | -650 00                     | . 0      | 852 00      |
| 5   | Pressuation of Treatment Man (Digital Mac)   | NovDec              | +            | 1- 00/6 min                 | 100      | 00,00       |
| 3   | Ste (repared) (Central & rement of debuses)  | Nov/Derr            | 12           | 9.012.00                    | D        | 3.012.30    |
| 4   | Transport of the same and a wind with the state of   | Penystus            | 1            | 326 00                      | 0        | \$700.00    |
| 5   | Allgorised and stacking of pits  | Folklin ]           | -1           | 326.00                      | 0        | 300.00      |
| 6   | Digging of phy (45, pm a 45 cm a 45 cm) in huro<br>Signivery and   | Forglass            | -16          | 13,042:00                   | 0        | 12,040,05   |
| 7   | Contabuction of Temporary Labour Street,<br>Directing wells facility and First Aid etc.  | SAMBOAN.            | - 0          | 0.00                        | inau     | 2,500 pg    |
| _   | Totals   |                     | 57           | 18,582,00                   | 3,600.00 | 22,182,00   |
|     | Education, Evaluation, Learning  |                     |              | 1400000                     | 51900.00 | 42,102.00   |
|     | Occumentation & any other Contingency lipital<br>Shall the total cost  |                     |              |                             |          | 7100        |
| _   | Grand Total:   |                     |              |                             |          | 23,291.00   |
| -   | 15   | t Yeart Plant       | ing Year     |                             |          | 40000       |
| T   | Rolling of pic by alarmy the ought sail of the<br>Sto. application of Organic compounds/ CDNN<br>FYM 5 woung the same properly.  | amony               | 75.          | 2,445,00                    | 5(000,60 | 7,445.00    |
| 2   | Transportation of 14 months chi pulsport seedings in hand truck tradior from the Permanent Meyo massay to planting site mousting leading & unisating (Average lead of 10 Rhm) & stocking the baselings () Rh.St. per Educting () (100 nos.)  | JulyAAug            | ±.           | 0,00                        | 6,600,00 | 0,000.00    |
| *   | Waturing the polyper pandlings of planting sta   | Julythus            | 7            | 669 CV                      | 0.00     | 1152.00     |
|     | Convergence of polycet hereforgs on fiscal lead that the stacking site in helividual dust cut jets within the planting site, applying staccacting features & planting offer according the self-with other alphabet materials & pressing the took properly immed the jointed sceddings.         | July/Aug            | 22.5         | 7,036,00                    | 6.00     | 7,888,60    |
| 1   | Cost of Perbitary & Innecticide; (a) NPK / Ber-festzer (\$50 gets/ plan as basel tions = 50 kg (\$ Badkii- per kg = Rai550.00 (b) Used Verwicespost No Khate' any other twilder in two subsequent doper (\$ Ra 750 to (\$) insecticide (\$) 5 great pant = 5 kg (\$ Re/150- per kg = Ra.750 po | July West           | ō            | date                        | 3,000.00 | 3,000,00    |
| 4   | Cassally Replacement (9 SPS (100 nes.)   | Julythia            | 28           | 815.00                      | 0.00     | nic.        |
| 147 | 1sd Weeding & Manusing   | Aug/Sert            | 12           | 3,912,00                    | 0.00     | H15(00      |

| 6    | hid Westing, See wooding 41ml Dilenetry   | DicWillia    | 16       | 4,800,00  | 0,00     | 4,830,00  |
|------|---|--------------|----------|-----------|----------|-----------|
| 11/1 | Fina line tracing (2 m. wide five line over 400 m.<br>large) hidazza maintenance of inspection poin.  | Februar .    | 4        | 978.00    | 0.00     | 1776,00   |
| 0    | Watch & Want including whitering its par  | Augilitur    | 12       | 3,912.00  | 0.00     | 1,912.00  |
|      | Yotal?  |              | 76.5     | 24939     | 14600    | 39,539.00 |
| H.   | Montaning Posturium, Learning, Decurrentation & any other Contingency upon the of the total cost.   |              |          |           |          | 1,877.90  |
|      | Grand Totals  |              |          | 1         |          | 41515     |
| _    | Zir   | d Your Main  | tanance  |           |          | 41210     |
| . 6  | Tomportation of 100 seedlings from Numbery to<br>classifican site including building, uninecting &<br>conveyunda by Tradius () Rs 64- per seedling.   | ài           | a        | 0.00      | GCU:00   | 609.60    |
|      | Case plly Replacement 69 10%  | 33           | 2.6      | 875,00    | 0.00     | 816.00    |
| 9.   | Cost of Fertilizer & Insenticities: (a) Cost of Insenticity Bu protect (§ 2 gins) port = 6,5 kg (§ Ro 156- per kg = 85.75; (b) Great Mark Bo-fortices Vermicomposit Mr Statist any other fertilizer (§ Ro 2006) | Apassani     | , o      | 9.00      | 2,879,04 | 2.879.00  |
| 4    | Vienting (Complete woulding), Mamuring & Sail<br>working (1st. Commune around the plants)   | Sopticit     | 10       | 4,530,00  | con      | 4,200,00  |
|      | fire line tracing (2 in well-fire line over 400 m.<br>long) techning all nitrotation of Imperior point  | Feblus       | 0        | 578,00    | 0,00     | 978.00    |
| fi.  | Watch & Wind estuding watering as par-<br>incurrenced   | Aprillar     | 10       | 5,868.00  | 0,00     | 5,000.00  |
| 7    | Moistenship of Temperary Cathour Sines.<br>Orlinking works berolly and Front Aid use.   |              |          |           | 1,000:00 | 1,0011.00 |
|      | Musicing Evaluation Learning  |              | 38.5     | 32551     | 4,475.00 | 17025     |
| 2    | Documentation & any other Contemporary upon<br>5% of the rotal cost.  |              |          |           |          | 351       |
| 3    | Grand Total:-   | 760000       |          |           |          | 17877     |
|      | Cost of fection (Ursal NEW Signature)   | nd Year Main | teriance |           |          |           |
| 1    | Verni compresi Mis Khalls' any other fedfizze;  | Sept/Cict    | -5       | p mi      | ₹,₩99,00 | 2,800.00  |
| 3    | Wooding Markeny & Son working (1mt Diametre around the prints)  Fire line treeting (2-m) with five time ever 400 m.   | Septitics    | 15       | 4,686.10  | 8.00     | 4,050,00  |
| 1    | long) valuding manistrance of inspection gets   | FetAlse      | 3        | 978-00    | 0.00     | 976 00    |
| 4    | Wollah & Ward incheding woulding its per<br>insplication.   | АрсМы        | 1/1      | 0,058,00  | 0.00     | -5,005.00 |
| 1    | Making mine of Temporary Labour Shed,<br>Distring within harbly and First Aki alo.  | Ap-Mo-       | n.)      | 27 20 20  | 1,000.60 | CHOSE     |
| 6    | Monitoring EyoUndors, Learning,<br>Documentation & any utiliar Confingency Late   |              | 36       | 11,736.00 | 3,800,00 | 15,538.00 |
|      | ON, of the total cost.  Grand Total:-   |              | -        | 1         | -        | 16,313.00 |
| -    |   | th Year Main | tonance  |           |          | 10,314.00 |
| 1    | Fire line tasking (2 or, wide this fire over 400 m;<br>long) tolluding maintenance of inspection cotto  | Eshilder     | 5        | 11/6.00   | -0.00    | 970.00    |
| 7    | Wateh & Ward including maintenance of Sending   | Apr-Mar      | 18       | 5,808.00  | 0.00     | \$1000.00 |
|      | Total:-   |              | 21       | 6,840.00  | 0        | 6.846.00  |
| 3    | Monitoring, Evaluation, Learning,<br>Decumpolation & any sitnly Continuous unto<br>5% of the used cost  |              |          |           |          | 342       |
|      | Grand Total.  |              |          | 1         |          | 7,189.00  |

|     | Fin dos by the Mark Co.   | ith Year Ma | Interrance   |           |       | -  |
|-----|---|-------------|--|-----------|-------|--|
| -   | length) including resistences of inspection con-  |             | 3  | 976.00    | 0.00  | 170.00   |
| ž.  | Which is excensive prices in W. A. down   | ApoMa       | 18   | 0,000.00  | 0.60  | 5,069 (2   |
|     | Totals  |             | 24   | 5,848.00  | 0     | -  |
| £   | Mordaning, Evaluation, Learning,  |             |  | 4,000,000 |       | 5,349.0  |
|     | Occurrentation & any other Contingency upon<br>5% of the total reset                                  |             |  |           |       | 342  |
| -   | Grand Total:-   | The second  |  |           |       | 7,388.00   |
|     | Fire the tracing (2 m. wide fire time over 400 m.)  | th Year faa | inferiarica  |           |       | 1 11400.00   |
|     | endial econgs applicance of substant beau   | FeeMar      | 7  | 970-00    | 8.00  | 1974.00  |
|     | Practing of branches, Singling out of multiple shoots   | JanyMar     | 3  | 978,00    | 0.60  | 978.00   |
|     | Watch & Wald including instrictionaries of leading  | Aprillar    | 10   | 5,688.00  | 0.00  | 5.008.00   |
| 4   | Total:-   |             | 24   | 7,824.00  | .0    |  |
|     | Monroling, Evolution, Lettings,<br>Decimentation 5 my about Contingency upto<br>5% of the lotal cost. |             |  | 1         | -     | 7,624.06   |
|     | Grand Yotat:-   |             |  | 1         |       | 1321   |
|     | 71  | n Year Man  | otenanes   |           |       | 8,215.00   |
| 1   | the tine tribung (2 in: with five line over 400 in: length) including maintainance of impaction path  | Foliator    | 1  | 9711.00   | 900   | 976.00   |
| 4   | Watch & Ward including malconunce of fercing  | Aprillar    | 18   | 5,009,00  | 0.00  | 5,888.00   |
| 4   | Total:-   |             | 21   | 6,848.00  | -0.   |  |
| II. | Monitoring Evaluation, Learning.  |             | -  | .0,000    | -0    | 6,846.00   |
|     | Rocumentation & day other Contagnicy upto<br>5% of the total cost.                                    |             |  |           |       | 1142   |
| -   | Grand Total:-   |             | -  |           |       | 7,188.00   |
| 1   | or the tracing (2.m. wide fire the over 400) or   | h Year Muir | ntenance   |           |       |  |
| 1   | neigh) religing maniferance of inspection pate  | Feshior     | 11   | 078-00    | 0.60  | 578.m  |
| 1   | Water & White including montenance of memory  | Apy-Mar     | -(8)   | 5 468.00  | 0.00  | 5.000330   |
| 4   | Totati-   |             | 21   | 6,846.60  | -0    | The state of the s |
| ľ   | Monitoring Evaluation Learning Discovernation & any other Contingency upto                            |             |  | 0,000.00  | -0    | 8,845.00   |
| -   | We of the total ensi  |             |  |           |       | 942  |
| 4   | Grand Total:-   |             |  |           |       | 7,168,00   |
| Ti  | tre line tracing (2 to, with the time over 400 to )   | h Year Mair | nenance  |           |       |  |
| ľ   | out) screen manusers of importion path  | FalsMar     | 330  | 576.00    | 8.00  | 97840  |
| ľ   | Notice & Ward including muritimases of Greater  | Aprillar    | - 18   | 5,000.00  | 0.00  | 5.868.00   |
| 1   | developing Feminalis Learning   | 15          | 21   | 6,846.00  | - 0   | 6,846,00   |
| 10  | Otherang, Eviluation, Learning,<br>Novamishabon & any other Consequency spin<br>% of the total famil  |             |  |           |       | 342  |
| T   | Grand Total:  |             | -  |           |       |  |
|     | 100   | h Year Mair | tenance  |           | -     | 7,128,00   |
| F   | NV. Into Discourse Life m. Wide-Tru ferry over 400 m.   | The second  | and the state of t |           |       |  |
| 1   | engin) we letting washtecome of importion path  | Fetifical   | 2  | 975.00    | -9.00 | stam   |
| 1   | Vatin & West excluding monotonance of tohong  | Apr-Mer     | 16   | 5,865,00  | 0.00  | 5,5(TE.00)   |
| 100 | Totali-   |             | 21   | 6,846.00  | 0     | 6,848.60   |
| 10  | Minkeying Evaluation Entering<br>incurrent a sey offer Contingency upto<br>to of the Interior.        |             |  |           |       | 342  |
|     |   |             |  |           |       |  |

| 200 |             | TOTAL              | COST FOR 1                 | HA                     |   |   |                      |
|-----|-------------|--------------------|----------------------------|------------------------|---|---|----------------------|
| Sk. | Vear        | No. parson<br>days | Estituir Cost<br>@ Rs. 326 | Material<br>Cost (Rs.) | Menitoring<br>Evaluation,<br>Learning,<br>Documentation and other<br>Continguacy<br>(5%) of (4+5) | Cost of<br>Seedings &<br>Re 5), 1774,<br>per seedings | Tutol Goat<br>(Red)  |
| T   | Oth year    | 67                 | 18582                      | 3600                   | 1100  | - 0   | 70.60.60             |
| 2   | 1st year    | 76.0               | 24939                      | raecn.                 | 1977  | 57994.61  | 22,231,00            |
|     | 2nd year    | 36.5               | 12551                      | -4478                  | 861   | 8217.7  | 08,010.01            |
| 6   | 3rd year    | 35                 | 11736                      | 3600                   | 777   | G.  | 23,094.71            |
|     | 4th year    | 21                 | 6848                       | 0                      | 342   | 0   | 7,183.00             |
| 0   | Stit year   | 21                 | 1000                       | 0                      | 342   | 0   | 7, (34 00            |
| T.  | 6th year    | 24                 | 7524                       | D'                     | 397   | 6   |                      |
| 9   | 7th year    | - 21               | 6846                       | Ď                      | 342   | D:  | #,214.00<br>7,446.00 |
| _   | हिंग प्रहार | 27                 | EB46                       | D                      | 342   | D.  |                      |
|     | Out year    | 21                 | eand                       | 0                      | SYC   | u l   | 7,183.00             |
| 11  | 108h year   | 21                 | 6844                       | 0                      | 962   | W 1   | 7,100,00             |
|     | Total:-     | 058                | 1,16,708.00                | 28,475.00              | 7,157.00  | 62,612,52   | 2,12,052,52          |

| 51<br>pag. | Year          | Macchen | Labour Cost<br>@ Rb. 3264 | Sizerial<br>Cold ((ts.) | MELD K<br>Official<br>Continguing<br>(SN) of (4+5)   | Cost of<br>Breeffings (8)<br>Pa-62-1971/-<br>per amullings | Total Cost (Rs.) |
|------------|---------------|---------|---------------------------|-------------------------|--|--|------------------|
|            | Oth year      | 1911,25 | \$07,000,700              | 11448,00                | 3526.60  | 1  | (74,005.34       |
| 3          | 1st year      | 251.51  | 79500.02                  | 45429.00                | W255.36  | 132515.80  |                  |
| 3          | 200 year      | 122.41  | 78912.10                  | 342903                  |  |  | 79,440,15        |
| 4          | 3rd year      | TT4 49  | 17300.49                  | 12004                   | THE WAY TO STATE OF THE PARTY O | -  | B1,879.34        |
| <u>X</u> : | ATT YOUR      | G5.74   | 21770 28                  | b                       | #D52.66  | - 0  | 22,967.04        |
| <b>F</b> 1 | 5th year      | Ex.70   | 21770.28                  | -0                      | 1087.50  | - 7  | 22.357 (6)       |
| 10         | fight year    | 75.00   | 24889 92                  | 0                       | 1243.38  | 10   | 98 (17), 70      |
| *          | 7th year      | 10:20   | 1177038                   | 0                       | ¥087,66  | 6  | 39,807 64        |
| AL.        | 3th year      | 10 7K   | 1/770.28                  | 0                       | 1087.60  | - 11   | 21,507,60        |
| 10.        | 50 year       | \$5.70  | 2(77)1.25                 | 0                       | 1057.68  | 5  | 9289754          |
| H          | 10th year     | ES TIC  | 24770 26                  | 11                      | 1047.98  | - 1  | 22.05 64         |
|            | Grand-Totati- | 1138044 | 3,71,131.44               | 84/190.00               | 22.759.26  | 1,59,107.01  | 9,77,189.01      |
|            | OR.           |         |                           |                         |  |  | 6,77,189.55      |

(Rupees Six Lakh Seventy-Seven Thousand One Hundred Eighty-Nine) Only

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Asst. Conservator of Forests Cuttack Forest Division

Divisional Forest Officer Cutteck Forest Division

Fage 4 of 4

Sugar Lorf +

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

| 9         | Cummon       |       |        |        |             | -            | -      | -            | -       |             |        |                                | 1      | CHIEF TOOL TANK THE TOOL TOOL TOOL TOOL TOOL TOOL TOOL TOO | TOTAL PROPERTY | 57117    |           |          |            |           |       |      |            |
|-----------|--------------|-------|--------|--------|-------------|--------------|--------|--------------|---------|-------------|--------|--------------------------------|--------|--|----------------|----------|-----------|----------|------------|-----------|-------|------|------------|
| No. St.   | Near<br>Year | 1     | =      | 8      | 15          | *            | N      | H.A          | ATT.    | ×           | ×      | X                              | NB     | MIX  | VIX            | X        | XVI       | ПAX      | хуп ,      | XIX       | XX XX | -    | Total Cost |
| BIRG NOTH | (0)          | 23293 | 11686  | 23095  | 16313       | 7188         | (7188  | 8215         | 2316    | 2168        | 4116   | 4180                           | -      |  | 1              | 1        | 1         | 1        | 1          | 1         | 1     |      | T AMIN'S   |
| 1 28      | 2021-22      | 23791 | 103856 | 15,157 | 12924       | 6707         | 101-10 | 11046        | 47.47.4 | 100000      |        | *                              | 1      |  | 1              | 1        |           | 1        | 1          | 1         | -     | H    | 212953     |
| 7 7       | 24.0014      | 400   | 34466  |        | 1000        | 10101        | MI.    | 11007        | 10114   | 17071       | 11133  | 117,008                        |        |  |                |          |           |          |            |           |       | 245  | 2440007    |
| Т         |              |       | 44470  | 109045 | 09040 04090 | 19829        | 19174  | £896         | 115559  | 10830       | 111151 | 11708                          | 大阪     |  |                |          |           | -        | -          | -         | 1     | 100  | Children   |
| 200       | 2023-24      |       |        | 25678  | 114500      | 14500, 28072 | 20830  | 9633         | 10134   | 121127      | 111151 | 11770                          | 12504  | 190001   | 1              | 1        | 1         | -        | -          | 1         | 1     | G.   | (0700)     |
| 4 20      | 2024-25      |       |        |        | 57076       | 4C4961       | -      | State.       | TALLE   | 164.00      |        | 1                              |        |  | 1              | 1        | 1         | 1        | 1          |           |       | 266  | 269018     |
| 4 190     | THIS ALC     |       |        | 1      | - Therese   | -            | -      | 10000        | 40776   | Upagi       | 157.44 | 11718                          | 12294  | 12909  | 13554          |          |           |          |            |           |       | 282  | 282469     |
| 1         | 2000         |       |        |        |             | 28310        | 120233 | 126233 30949 | 22954   | 10620       | 11151  | 13381                          | Pocel  | 13039  | 1 53552        | 13537    |           | -        | -          | 1         | -     |      |            |
| 6 20      | 026-23       |       |        |        |             |              | 20000  | 1100001      | 40      | A PROPERTY. | 1      |                                |        | -6   | 4              | -        | 1         |          | -          |           |       | 239  | 290092     |
| 100       | 04.4.00      |       | 1      |        |             | -            | 427.40 | 1545504      | 15437   | +4104       | 1145   | 117.08                         | 14050  | 150051   | 2000           | 14132 U  | 4943      |          |            |           |       | 311  | 311475     |
| +         | 87./5        | 1     | 1      |        |             |              |        | 31212        | 139377  | 34121       | 25397  | 11708                          | 12294  | 14753  | 13554          | 4232 TE  | STORE IS  | SKILL    | -          | 1         | 1     | 2000 | 1          |
| 8 20      | 2028-20      |       |        |        |             |              | 1      | 1            | 25572   | 14,017      | 10001  | area.                          | **     | ъ  | 44             | -4-      | 31        | +        | -          | +         | -     | 240  | 240095     |
| 36        | 28240,255    |       |        |        |             |              |        |              | 51      | 67          | 17800  | _                              | 177.54 | 12909  | 1655           | 14232 14 | 14943 15  | 16951    | 6473       |           |       | 343  | 343342     |
|           | 1050.21      | 1     |        |        |             |              |        |              |         | 34411       | 153443 | 37619                          | 27901  | 129(9)   | 13554 114      | 16265 14 | 14943 15  | 15691 16 | 6475 572   | 52259     |       | 360  | 360510     |
| 1         | -            | 1     |        |        |             |              |        |              |         |             | 36132  | 161115 30500 29296 13554 (4232 | 39500  | 29206  | 3554 [1        |          | 1,7078 33 | 55501 15 | 5474 19946 | 100 12164 | livy. | 410  | ******     |

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

## FENCING FOR COMPENSATORY PLANTATION RAISED INTSIDE THE FOREST AREAS USING BAMBOO TWIGS & THRONS (250 RMT/21A.)

| 1. MODEL                                  | 1 207300 |
|---|----------|
| 2. TOTAL AREA TO BE FENCED(250 Rms./Ifa.) | BLOCK    |
|   | 3.18 Ha. |
| 3. Wage Rate [Per MD]                     | 326.00   |

| SE     | Liter of work  | Preferable             | Man days | Water     | Strong to and  | and the same of the same of |
|--------|--|------------------------|----------|-----------|--|-----------------------------|
| Nic    |  | Period of<br>Execution |          | Wates     | Material cust  | (Radia)                     |
|        |  | 6th Year (P            | PO       |           |  |                             |
| T.     | MIL  |                        | 0 1      | 0 1       | 0 1  | - 6                         |
|        |  | 1st Your Maint         | tenance. |           |  | -                           |
| i      | Taking an average perimetrs of 250 floof 18a (§ 93.25) inc.<br>(Half builds Bankoo Tengal en (§ 120 f Buildle)<br>Labers - material = 40 (O (appears)  | SeptOct                | 30       | 9,769.00  | M.133.09   | 23,913.10                   |
| 2      | (Successor penetral for transparance unsured or status. Specing, to be fixed; (2" ander & 1" above soil) 250/2=125+1=135 Non. of Humbro Pales 1 Humbro (appene) 24" harigat= 3 Pales 126/3=12 Humbros in 2007 (Jampso) | Sept/Ovi.              |          |           | 11,4000 (21)   | Kystoreta                   |
| 3      | Proportion of Durabon Policy, Copping of holes of 2 Ft<br>depth & Grong Barchon policy SE 20 policy (ACO   | SeptiOct.              | 63       | 2,119.60  | -  | 201900                      |
| 4      | Cost of Franker for steing the Bambon twigs now times<br>with double side two strant Bundon hattern ( One 6"<br>above present and other one 4 6" above<br>present y 250 x 3/24-21 Hambon 62 20 x / Bambon              | Sepulka                | -        | 4         | 436660   | 4,370,00                    |
| 3      | Missing Damboo leaven, Findshing the Batters & Uning the same on double strend on Cold type care. So, 11/ 1/10.  | Separon                | 9        | 2,934,01  |  | 2/034(0)                    |
| 6      | Cost of rapir rape (i) Bs of 125 Kg/Rmr<br>SHI X O 125 Kg = 62 S Kg ii) Ba 74Kg  | Squite                 |          |           | 4,37566  | 4,17500                     |
| 7      | Maxing one Bushes Terigo gate with Hundrin frame   |                        | 3-11     |           | 56.0.58  | 3700-50                     |
| 31     | Tetalis  |                        | 16.5     | 14,831106 | 31580.50   | 46.44(3)                    |
| tisto. | res running siz. \$644) 5 / 250 = (364P.mt   |                        |          | -         | 301  | -100,000                    |
| -      |  | 2nd Year Main          | tenance  |           |  |                             |
| 1      | Hoperin in Maintenance of Hamboo Twees force immeding<br>Material stess  | Felifidae              | 20       | 6.570.00  | 130000   | 8.920.00                    |
| Rule)  | per resulting to 8 (20) (250 - 31 2/20ml or Ra 31 Dant   |                        |          |           | The state of the s | Trissless)                  |
| -      | I Book B Volume Brown Company  | and Year Maint         | lemanice |           |  |                             |
| 2      | Repair & Maintenance of Standage Tweet Space including.  Manual cost   | Febrida                | 30       | 4:500 mm  | 5,675.00   | 32.19000                    |
| 32     | sor running one. 12195 (250 = 17.90East or Rd 48-Reid  |                        |          |           |  |                             |
| 4      | Reputs & Maintenance of Garden Pengy from including  | 4th Year Maint         | enauce   |           |  |                             |
| 1      | Mulciulson   | Felsilita              | 200      | 550000    | 1,675,00   | (2,193 (0)                  |
| (adh.) | ser retraing out 12195/250 -47.4/Rant or Ex 48-Keet  |                        |          |           |  |                             |
| -      | Direct & Management of the second  | 5th Year Maint         | emmée    |           |  |                             |
| 1.     | Notice & Maintenance of Banton Tooja force including Material cost  per running oil. 12195 (250 =47.9/Kan er Ra-18-km)   | Petrolia               | -20      | 6.520.00  | 5,675 00   | 12,195.00                   |

TOTAL COST FOR 1 HA/250Rmit

| Year                 | No. of MD | Lubour Cost | Material<br>Cost | Total     |
|----------------------|-----------|-------------|------------------|-----------|
| 0" Year              | -         | 4           |                  | 0.00      |
| (*Yes                | 45.50     | 143333.00   | 31,698,46        | 46,431.50 |
| J'd Year             | 20        | 6828.60     | 1500.00          | 5,920,00  |
| 3 <sup>rd</sup> Vaus | 20        | 6520.00     | 5675.00          | 12.195.00 |
| 4 <sup>th</sup> Year | 20        | 6830,00     | 5675,00          | 12,195,60 |
| St Year              | 36        | 6820,00     | 5675.00          | 12,195.60 |
| TOTALI-              | 125.5     | 40,723,00   | 56,133,50        | 91,646.50 |

TOTAL COST FOR 3.18 HA(0.795 Rkm)

| Year                 | No. of MD | Labour Cost | Material<br>Cost | Total       |
|----------------------|-----------|-------------|------------------|-------------|
| 5 <sup>le</sup> Year | 0         | 10000       |                  |             |
| 1 Year               | 144.7     | 47.168.94   | 1.00,515.03      | 1,47,633,67 |
| 2 <sup>td</sup> Year | (61,      | 20,731.65   | 4,779.00         | 25,543.50   |
| 2 <sup>re</sup> Vine | H         | 34,733.66   | 13,646,50        | \$8,780.19  |
| € Your               | 61        | 20,733,60   | 18,646.50        | 38,700.10   |
| 5º Vene              | 64        | 16,733.60   | 15,646.52        | 38,780.10   |
| TOTALs               | 392.00    | 1,30,103,34 | 1,59,424.83      | 2,89,507,82 |
| OR                   | 399       | 1,30,103,00 | 1,59,425.00      | 2.89,515.00 |

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

James Range Uffue. Sukinde Range

Asst. Conservator of Forests Cuttack Forest Division

Divisional Forest Officer Cultack Forest Division

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| 15 N | Сывтен     | -    | п     | III   | N     | .V.   | 17    | EX    | VIII  | ×     | *      | X      | NB    | XIII XIV          | VX VIX                        |    | XVI XVII XVIII XIX | XXIII | NIX | XX     | XXI | Total Cost<br>(10 Years) |
|------|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------------------|-------------------------------|----|--------------------|-------|-----|--------|-----|--------------------------|
| 7 7  | Hase Norm  | 0    | 46442 | 8020  | 12195 | 12195 | 12195 |       |       |       |        |        |       |                   |                               |    |                    | +     |     |        |     | 91047                    |
| -    | 2021:22    | 0    | 48764 | 88822 | 14117 | 14623 | 15556 |       | 30    |       |        |        |       |                   | 7 8                           |    |                    |       |     |        |     | 102110                   |
| 101  | 2022-23    |      | 0     | 51202 | 5284  | 14823 | 15581 | 16342 |       |       |        |        |       |                   |                               |    | 1                  |       |     |        |     | 107216                   |
| 2    | 2023-24    |      |       | 0     | 33762 | 9748  | 15564 | 20091 | 08127 |       |        |        |       |                   |                               |    | -0                 |       |     |        |     | 112577                   |
| -    | 3025.25    |      |       |       | 0     | 98450 | 10235 | 16342 | 17166 | 18018 |        |        |       |                   |                               |    |                    |       |     |        |     | 118208                   |
| 47   | 3025-26    |      |       |       |       | 0     | 59272 | 10748 | 09121 | 8108) | 18918  |        |       |                   |                               |    | -                  |       |     | Ola It |     | 124116                   |
| 6    | 1126-27    |      |       |       |       |       | 0     | 95229 | 11285 | 81081 | 1891#  | 19861  |       |                   |                               |    |                    |       |     |        |     | 130321                   |
| 100  | 2027-28    | i ma |       |       |       |       |       | 0     | 89659 | 11849 | 18918  | 19864  | 20858 |                   |                               |    |                    |       |     |        |     | 136837                   |
| 00   | 92-8202    |      |       |       |       |       |       |       | 9     | 51989 | 12442  | 19864  | 20858 | 23900             |                               | -  |                    |       |     |        |     | 143679                   |
| 0    | 2029-30    |      |       |       |       |       |       |       |       | 0     | 272046 | 13084  | 20858 | 20858 21900 22995 | 2992                          |    |                    |       |     |        |     | 150869                   |
| F    | 10 2950-31 |      |       |       |       |       |       | -     |       |       | 0      | 25.F48 | 13717 | 21900 2           | 75F48 13717 21900 22995 28145 | 45 |                    |       |     |        |     | 158406                   |

(Rupees One Lakh Seven Thousand Two Hundred Sixteen) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

|           | SMC Works Model-C   | The state of the s |                     |
|-----------|---|--|---------------------|
|           | est Norths for creation of Afforestation with stabilization of Soil &<br>(1000 Plants/ Ha).   | Couservation   | of Moisture         |
| SL<br>No. | Items of work   | Preferable<br>Period of<br>Execution   | Total Cost<br>(Rs.) |
|           | 6th Year (Pre-Planting Operation)   |  |                     |
| 1         | Nit   |  | 0                   |
|           | 1 <sup>th</sup> Year  |  |                     |
| 20        | Soil Conservation measure structures like Staggered Trench, Percolation pir, Contour trench, Graded earther band, LBCD, Wire mesh LBCD, Sub surface Dyke & WHS as per the slope & site requirement on LS. | Арп/Ѕеји   | 20,215.00           |
|           | 2 <sup>rd</sup> Year  |  |                     |
| 3         | Maintenance of SMC structures at 15 % of initial year cost.   | Aprillal   | 3,032.00            |
| _         | 3 <sup>rd</sup> Venr  |  |                     |
| 4         | Maintenance of SMC articines @ 15% of initial year cost.  | Apr/Jul  | 3,032.00            |
|           | 4 <sup>th</sup> Year  |  |                     |
| -3        | Maintenance of SMC atrustures @ 15 % of initial year cost.  | App/Jul  | 3,032,00            |
|           | 5th Year  |  | 4101000             |
| 6         | Maintenance of SMC structures (i) 15 % of initial year cost.  | Apr/Jul  | 3,032,00            |
|           | Total   |  | 32,343.00           |
|           |   |  |                     |

| -   |                      | Ab              | stract for I ha.                  |                  |                 |
|-----|----------------------|-----------------|-----------------------------------|------------------|-----------------|
| St. | Year                 | No. person days | Labour Cost @ Rs. 326/<br>per day | Material<br>Cost | Total Cost (Rs) |
| 1   | U <sup>tt</sup> Year | 0               |                                   | 0.00             | 0,00            |
| 2   | 1 <sup>st</sup> Year | ()              | 0.00                              | 20,215,00        | 20:215:00       |
| 3   | 2 <sup>ot</sup> Year | 0               | 0.00                              | 3,032.00         | 3,032,00        |
| 4   | 3 <sup>st</sup> Year | 0               | 0.00                              | 3,032,00         | 100             |
| 4   | 4" Year              | 0               | 0,00                              | 3,032,00         |                 |
| 6   | 3 <sup>th</sup> Year | 0               | 0.00                              | 3,032,00         |                 |
|     | l'otal               | 0               | 0.00                              | 32,343.00        | 32,343.00       |

| -         | and the same of th | Abst            | ract for 3.18 ha.                   |               |  |
|-----------|--|-----------------|-------------------------------------|---------------|--|
| SL<br>No. | Year   | No. person days | Labour Cost 20 Rs. 326/-<br>per day | Material Coxt | Total Cost (Rs)  |
| 1         | 0th Year   | 0               | 0.00                                | 0.00          | 0.00   |
| 2         | I* Year  | D               | 0.00                                | 64283.70      |  |
| 3         | 2 <sup>st</sup> Year   | 0               | 0.00                                | 9541.76       |  |
| 4         | 3 <sup>rd</sup> Year   | 0               | 0.00                                | 9641.76       |  |
| \$        | 4th Year   | - 0             | 0.00                                | 9641.76       | The second secon |
| 6         | 5 <sup>ft</sup> 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

interest Annie Union

Asst. Conservator of Foresto Cuttack Forest Division

Divisional Forest Officer Cuttack Forest Division

|   | Total Cont         | 244.00    | 10000     | 20004 | State     | 39266   | 41240    | 24468   | CONTRACT OF THE PARTY OF THE PA | 6740+     | 47752  | SUMAN  | CONTRA    | 24075   |
|---|--------------------|-----------|-----------|-------|-----------|---------|----------|---------|--|-----------|--------|--------|-----------|---------|
| -                                       | XX                 | I         |           | 1     | -         |         |          |         |  | 1         |        |        |           | 1       |
|   | XX                 |           | 1         | 1     | 1         | 200     |          |         |  |           |        |        |           |         |
|   | XIX                |           |           | 1     | 1         | -       |          |         |  | 1         |        |        |           | 1       |
|   | HAX HAX LAX        |           |           | 1     | 1         | 1       |          |         | I  | 1         |        |        |           | T       |
|   | XSB                |           | 1         |       |           |         |          |         |  | 1         |        |        | Ī         |         |
|   | XXX                |           |           |       | I         | 1       |          |         |  | T         |        | 1      |           | Ī       |
|   | Š                  |           |           |       | -         |         |          |         |  |           |        |        |           | 6003    |
|   | NIX                |           |           |       | 1         |         |          |         | -  | 1         |        |        | 1,115     | 3717    |
|   | XIII               |           |           |       |           |         |          | E.      |  | Ī         |        | 25.45  | SHS       | 50.15   |
|   | II.                |           |           |       |           | 1       |          |         | 0  | Cincia    | 01000  | \$180  | 5386      | 8185    |
|   | Z                  |           |           |       |           | 1       |          |         | 1030   | ABRAGA    | Dona.  | 6666   | 49.10     | 220018  |
|   | ×                  |           |           |       |           | 1       |          | 4704    | 4584   | Abeled    | 37.000 | 4004   | 33,760    | 0       |
|   | ×                  | 1         |           |       | Ī         | 1       | 4460     | (0905   | 6480   | THEN.     |        | 233827 | D .       |         |
| 24,544                                  | VIII               |           |           |       | 20,646    |         |          |         | 4266   | 304451    |        | 0      | 1         |         |
| Service .                               | ALI.               |           | P. Carlot | 40%3  | distri    |         | 4000     | 4063    | 27090  | 107       | 1      |        |           |         |
| All Co                                  | ij.                | 3632      | 37.70     | 10/24 | Will the  | 1       | がい       | THE PER | 16   | -         | 4      |        |           |         |
|   | *                  | 7500      | 3685      | 3685  | 3683      | 1       | 24373    | 00      | 16   |           | -      |        |           |         |
| Sales in                                | À.                 | 1032      | 3510      | 3580  | 234011    | £.      | 0        |         | 110  |           | 1      | -      |           |         |
| S Contract                              | H                  | 3032      | 1043      | 22287 | 9         | 1       |          | 20      |  | -         | 1      |        |           |         |
| 111111111111111111111111111111111111111 |                    | 20215     | 21226     | 0     |           | -       |          | ST.     | 100  |           |        |        |           |         |
| 15                                      | -                  | 0         | d.        | 1     | -         | -       | -        |         |  |           | +      | 1      | +         |         |
| Commen                                  | Coment<br>Co. Year | Base Niem | 1 2024-22 | 1200日 | 1 1000000 | 70.5000 | 504,4423 | 2025-26 | 5 2006.27  | 1 2602.28 |        |        | 9 20% NO. | 1508031 |

1 apers Thirty-Seven Thousand Four Hundred Fifteen)Only

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DIVISIONAL POREST OFFICER CUTTACK FOREST DIVISION

| _    |  | Vater Model-W-H  |              |
|------|--|--|--------------|
| -    | Water  | provision to Plantation  |              |
|      | Diesel Pump set with Hore well (1 p                                    | ump set + Boro well for 5 ha plantation). Wage   | Itate        |
|      | M  |  |              |
| 1    | Cost of Bore well  | Installation (0 <sup>th</sup> Year)  |              |
| 2    | Cost of Diesel pump Set 5 HP   | 1,50,000,00  |              |
| 3    | Diesel pump set & accessories like                                     | 50,000.00<br>30,000.00   | -            |
| 4    | Water Storage Timks/ Flexible pipes                                    | 15,000.00  |              |
|      | Tota   |  |              |
| Cost | of Water per Plant(2,55,000/5000) Rs.51<br>of Water per Ha=Rs.51,000/- | /-   | 51,000,00    |
|      |  | Wear Watering  |              |
| 1    |  | Engine Oil. Ste for pumping Water-21x1000=   | 21,000.00    |
| 3    |  | and the same of the tenth of the same of t | -13000.00    |
| 2    | Watering 1000 plants (Nov-Mer) @200pt<br>5Month=100 MDx326=            | lants/MD with? days rotation 20 MD x   | 32,600.00    |
|      | To To  | tal  | 53,600.00    |
|      |  | Year Watering  | enchalantata |
| 1    | Recurring expenditure i.e. Diesel, Mobil<br>21x1000=                   | Engine Oil, Etc for pumping Water-   | 21,000.00    |
| 2    | Maintenance of pump set etc@15% of the                                 | e installation Con   | 7,650,00     |
| 3    | Wetering 1000 plants (Nov-Mar) @200pl<br>Month=160 MIX326=             | ants/MD with 7 days rotation 20 MD x 8   | 52,160,00    |
| -    |  | Total  | 80,810,00    |
| -    | 3  | d Year Watering  |              |
| 1    | Recurring expenditure i.e. Diesel , Mobil<br>21x1000=                  |  | 21;000,00    |
| 2    | Maintenance of pump set etc@15% of the                                 | installation Cost  | 7,650.00     |
| 1    | Watering 1000 plants (Nov-Mar) @200pl<br>Month=160 MDx326=             | ants/MD with? days rotation 20 MD x 8  | 52,160.00    |
|      |  | Total  | 80,810,00    |
| _    | · · · · · · · · · · · · · · · · · · ·                                  | Vear Watering  |              |
| 1    | Recurring expendimes i.e. Diesel , Mobit 21x1000=                      | Engine Oil, Etc for pumping Water  | 21,000.00    |
| 2    | Maintenance of pump set etc@15% of the                                 | a installation Cost  | 7,650.00     |
| 3    | Watering 1000 plants (Nov-Mar) @200pl<br>Month-160 MDx326              | ama/MD with7 days rotation 20 MD x 8   | 52,160,00    |
|      |  | Total  | 50,810,00    |
|      | 5  | h Year Waterine  | 7,21,000,000 |
| 1    | Recurring expenditure i.e. Diesel, Mobil.<br>21x1000-                  | Engine Oil, Ric for pumping Water-   | 21,000,00    |
| 2    | Maintenance of pump set etc@15% of the                                 |  | 7,650.00     |
| -    | Watering 1000 plants (Nov-Mary @200pl<br>Month=160 MDx326~             | ants/MD with? days rotation 20 MD s 8  | 52,160.00    |
| 3    | IMOURI-100 MIDX320ss   |  |              |

|            | _                    |                    | Abstract for                      | hin.          |                          |
|------------|----------------------|--------------------|-----------------------------------|---------------|--------------------------|
| SI.<br>No. | Year                 | No. person<br>days | Labour cost @ Rs.326/-<br>per day | Material Cost | Total cost (Rs.)         |
| 1          | n"Year               | 0                  | 0.60                              | 51,000,00     | 51,000,00                |
| 2          | ("Year               |                    | 32,600.00                         | 21,000.00     |                          |
| 3          | 2nd Year             | 160                | \$2,160.00                        | 28,659.00     | 53,600.00                |
| 4          | 3 <sup>rd</sup> Venr |                    |                                   | 28,650.00     | 00,610,00                |
| 5          | 4th Year             |                    | 52,160.00                         | 28,650.00     |                          |
| 6          | 5th Year             |                    | 52,160.00                         | 28,650,06     | 80,810,00                |
|            | Total                |                    | 2,41,240.00                       | 1,86,600.00   | #0,810.00<br>4,27,840.00 |

| -         | -                    |                    | Abstract for 3.                   | 18 lia.       |  |
|-----------|----------------------|--------------------|-----------------------------------|---------------|--|
| SL<br>No. | Year                 | No. person<br>days | Labour cost @ Rs.326/-<br>per day | Material Cost | Total cost (Rs.)                       |
| 1         | 0th Year             | 0,0                | 6.00                              | 1,62,180.00   | 1,62,180,00                            |
| 2         | !* Year              | 318.0              | 103668,00                         | 66,780.00     |  |
| 3         | 2 <sup>ml</sup> Year | 508.8              | 165868,80                         | 91,107.00     | 1,70,448.00                            |
| 4         | 3rd Year             | 508.8              | 165868.80                         | 91,107.00     |  |
| 5         | 4" Year              | 508.8              | 165868.80                         | 91,107,00     | 2,56,975.80<br>2,56,975.80             |
| 6         | 5er Year             | 508.8              | 165868.80                         | 91,107,00     |  |
|           | Total                | 2353.2             |                                   | 5,93,388.60   | 2,56,975.80<br>13,60,531.20            |
| L         | Or                   | 100                |                                   |               | 13.60,531.00<br>adred Thirty-One (Only |

one on Europe Offices Substitute Range

Asst. Conservator of Forests Cuttack Forest Division

Divisional Forest Officer Cuttack Forest Division

Page 2 of 2

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| HAX.                      |            |           |                |           |          |         |              |             |               |                |  |
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| H.                        | 10000      | 082380    | 0550           |           |          |         |              |             |               |                |  |
| *                         | 31000      | 21000     |                |           |          | -       |              |             |               | T. C.          |  |
| Common<br>schmint<br>Year | Hose North | 2021/02 2 | M22.23         | 1000000   | 27.50    | 2000    | 29,356,275   | SECURIS     | 2028-30       | 064500         | TOTAL ST. S  |
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(Rupers Five Lakit Fifteen Thousand Eight Bundred Furty-Six) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION 5F 8 7012



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE, AT/PO- HAKIMPADA, ANGUL- 7591-B, ODISHA, Phone-06764-296010 (O), 296011 (Res).

Email Id: recfangula gmail.com.

Memo No. 3481 / SF.FC-18/2022. Dated. 22 - 8-2.

To

The Divisional Forest Officer, Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety Line and 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

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

Memo No. 348 Ydated. 22-8-22
Copy forwarded to the Authorised Signatory, Findal Chromite Mines of M/sJindal Stainless limited, Kaliapani, Jajpur for information and necessary action.

Received enclosure

M

Regional Chief Conservator of Forests

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

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

Memo No. 5682 /5F (Forest Diversion) 61/2018

Dated, Cuttock the 2.5 th August, 2022

To .

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

Sube-

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 Kalinpani, under Sultinda Tahasil of Jajpur District under Cuttack Forest Division.

Reft -

Memo No.3483 dt.22.08.2022 of the Regional Chief Conservator of Parests, Angill 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 had within 100 meters from the outer perimeter of the mining tense area of finds! Chromite Mines of findal Stainless Ltd. has been approved by the Regional Chief Conservator of Forests, Angul Circle, Angul with financial outlay for Rs. 19, 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 Adhoe body of Compensatory Afforestation Fund Management & Planning Authority (CAMPA) through e-payment module & authorit 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

(

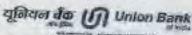
Divisional Forest Division

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







NEFT / RTGS CHALLAN for CAMPA Funds

Dute: 30-08-2022

| Agency Name:     | SINDAL STAINLESS<br>LIMITED  |
|------------------|--|
| Application No.  | 5820736763   |
| MoEP/SG Pile No. | 8-88/2000-FC PT.   |
| Location.        | ORRUSA   |
| Andress,         | Jinmi Stabiless Limited,<br>Kellings Negar Industrial<br>Complex, Jajour, Odlaha-<br>755 026Jajpur |
| Amoust(in Rs)    | 11273707/-   |

Amount in Words (One Crore Thomas Lash Security-Times Trouvers Seven Hundred and Seven Repeats Only

## NEFT/RTGS to be made as per following details;

| Beneficiary Name:       | ORRISA CAMPA  |
|-------------------------|---|
| IFSC Code:              | DGMU986335  |
| Pay to Account No.      | 150625020736763<br>Volishanly for tisks<br>challen amount   |
| Bank Name B<br>Address: | Union Bank Of Incile<br>Lodili Complex Branch.<br>Block 11,060 Cumplex,<br>Phase I, Lodili Road, New<br>Delhi -110003 |

 This Cholson is strictly to be used for making payment to CAMPA by NEFT/RYGS only BANK COPY



NAME OF THE OWNER OWNER OF THE OWNER O

NEFT / RTGS CHALLAN for CAMPA Fumile

| Agency Marrie.   | UNIONL STAINLESS   |
|------------------|--|
| Application No.  | 5820736763   |
| MoEFIEG File No. | 0-68/2000-PC PT  |
| Location,        | ORRISA   |
| Addienat         | Jindal Staintess Limited,<br>Kallinga Neger Industrial<br>Gemplak, Jafpur, Odisha-<br>755 926 Jajpur |
| Amount(in Ruj    | 11273707/-   |

Amount in Words (One Grove Twelve Lakin Severa)-Tress
Thousand Sever Hundred and Severa Repeats Only

## NEFT/RTGS to be made as per following details;

| Buneficiary Name:       | DRRIBA CAMPA  |
|-------------------------|---|
| IFSC Corte:             | UBIN0996335   |
| Pay to Account No.      | Vilid only for this challen emount.   |
| Bank Nama &<br>Address: | Union Bank Of India<br>Lodki Complex Branch,<br>Block 11,000 Complex,<br>Phase L Lodki Road, New<br>Delhi -110083 |

This Chillian 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 challen, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challen with transaction date to Email: cb0371@unlonbankofindia.com

UTR NO -1 CHEBR SAGAR EGO 2019 08 423/ Dete -> 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 + F.C. approval for diversion of balance forest land 66:20 ha. for non-forest purpose in line of findal Committee of Jindal Stainless Ltd. Ten been accorded vide T.No.8-22/2016-FC Dt. 14.9.2017 of Ministry of Environment Forests & Climate Change subject to fulfilment of certain conditions.

As per condition No. A (s) 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 kin. from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilizing of these village tanks and other water bodies so as to mitigate the impact of situation of such tanks/water bodies. A detailed plan for desilting of identified pands 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 sale raining lease:

The ML area located having Latitudes: 21°01'50.60° (ML Boundary Pillar No. 18) ~21°07'03.5° (ML Boundary Pillar No. 11) North and Longitudes: 85° 45'39.48° (ML Boundary Pillar No. 18)~85° 40'30.76° (ML Boundary pillar No.11). East in the Survey of India Topic Sheet bearing No F45NL6 The area exhibits an undulated topigraphy with wrytry, clevations from ± 121 meters to ± 305 meters above Mean Sea Level (AMSL). The ML area bears a common boundary with East- Kalkapani Chromitis Mines of TRM1, and Mahadiri 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 spanies than larger freshwater lakes or river systems. As such, ponds are liabilitate for meny varieties of organisms including plants; amphibians, fish, reptiles; waterlowl, 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 dinking 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 siles are occumulated in the water body which reduces the depth of waterbody hence the storage capacity as well as the quality of water decorates. De-sitting along with renovation and maintenance of banks of water bodies running the life, storage capacity & quality of water.

#### 2. FACTORS RESPONSIBLE FOR SILTATION

Siliation is an inherent problem with ponds, taken and almost all types of water reservoirs world over Siliation octars due to deposition or settling of soil erodoo from the shore line decaying fallen leavies, grain and nine vegetative materials and decomposed organic materials settled on good bottoms. Seil eronom may also attribute as the primary factor responsible for pond siliation. Higher gradient and except rainfall are the most common resonated poil and erosion. Erotion of Soil occurs from the waste dumps, excavated areas and naturally denuded ground turbace. However, looking into the current problem of siliation 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 pider ones and the filt layers become thicker. Finally, the depth of the pond decreases, and it loses its water stokage capacity. The de-siliation improves its life, storage capacity, quality of water etc. of the water body. The best practice against siliation is to de-siliang 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<br>mtr | Area in<br>sq. m. |       | Expenditure                                  |                              |                    |
|-----|---------------|---------------|-----------------|-------------------|-------|--|------------------------------|--------------------|
|     |               |               |                 |                   |       | Earth<br>work @Rs<br>125.00 per<br>cum in Rs | Inlet & outlet pipes in its. | Grand Total<br>Rs. |
| 1   | Kaliapani     | 60            | 50              | 3000              | 2100  | 2,62,500                                     | 6000                         | 2,68,500           |
| 2   | Banagadia     | 60            | 40              | 2400              | 1680  | 2,10,000                                     | 5000                         | 2,16,000           |
| 3   | Chindgudiapal | 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   | Kalkadia      | 140           | 110             | 15400             | 10780 | 13,47,500                                    | 6000                         | 13,53,500          |
|     |               |               |                 |                   |       |  | Total Rs.                    | 31,05,000          |
| ĮĮ. |               |               |                 |                   |       | Esci   | nlation 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-1

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

| SL.NO | VILLAGE       | LATTITUDE    | LONGITUDE     |
|-------|---------------|--------------|---------------|
| 1     | Marianana     | 21°02'39.5"  | 85*46'18.2"   |
|       | KALIAPANI     | 21"02'38.1"  | 85"45'17.4"   |
|       |               | 21°02'37.8"  | 85*46'19.9"   |
|       |               | 21"02'37.03" | 85°46'18.6"   |
| 2     | netroine      | 21"02'17.9"  | 85°44.5'10.8" |
|       | BENAGADIA     | 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"   |
| - 1   | Charlesonia   | 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     | P BAR CHICAGO | 20°59'49.3"  | 85*44'09.5"   |
|       | Mahulkhala    | 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"   |

| 26°59'34.3" | 85°46'31.7"   |
|-------------|---|
| 20*59'35.0" | 85"46"33.7"   |
| 20*59'37.8" | 85°46'32.1"   |
| 21"00'35.0" | 85*46'55.1"   |
| 21°00'35.3" | 85*46'59.5"   |
| 21"00"38.5" | 85"46'59.9"   |
| 21*00'39.0" | 85"46'55.2"   |
|             | 20*59'35.0"<br>20*59'37.8"<br>21*00'36.0"<br>21*00'35.3"<br>21*00'38.5" |

#### 4.TOPOGRAPHY:

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

#### 5. SOIL TYPE

The soll is hard and lateritic. The pond silt is basically mixed of clay, silt and sand. Since the silts are soft can be removed easily. Senerally 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 point shall be de-silted twice within the planned period over 10 year) particularly during summer months when the pand / water bodies are dried up with exposed silts. Removal of silts to to be done either manually or muchanically basing on ground condition as well as quantity of accumulated silts. Silt accumulation occurs in the bottom/basal area of the point which is required to be semoved is given in the table below.

During excavation, the excavated slit are to be put on the embankment of the pond with top height at least of 1 meter and base width 2.5meter being 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 adieduled rate for earth work "Earth work in excavation by mechanical means Drydraulic excavation means over areas exceeding 30cm depth 1.5m in width in well as 10 tom. On plan including disposal of excavated earth lead up to 50 m and lift up to 1.5m disposal earth to be lawled, dressed etc. to complete @ Rs 123.42/ cam. Basing on volume of earth work in indicated above Table No 3, the cost is estimated/calculated, (in adultion, cost of lifet / outlint pipes, at each point an additional cost of Rs 6000/- per tank) to be added. Thus, The total amount about to be Rs 37, 26,000/- (Rupers Thirty seven task) (wenty Six Thousand) grily.

#### 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 achievaments 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, if may be executed in the subsequent year.

Approved & RS. 37260001-

Divisional Forest Officer Cuttack Forest Division

Regional Chief Conservator of Forests, Angul Circle.

123

5F 18m 6181 2022





OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS: ANGUL CIRCLE, ATPO-BAKIMPADA, ANGUL 759143, HIJSHA, Phone 96764-296010 (O), 126011(Res), Empli To: residency of general com.

Memo No. 5310 / SF.FC-18/2020 Dimed. 06-8-20

To

The Divisional Forest Officer, Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 to of forest land (including safety zone area of 1.899 bg.) under Section 2(ii) of Forest (Conservation) Act,1980 in respect of Jindal Chromite Mines of M/s- findal Stainless Limited in village Kalispani under Sukinda Telasil of Jujur District under Cuttack Forest Division. Apparoval 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  | Pinancial outlay. |
|--------|---|---|-------------------|
| 1      | A (vi)  | Afforestation of non-mineralized virgin forest land within the mining area.   | 12,77,229/-       |
| 2/     | A(x)  | De-silling of existing village tanks and<br>uther water bodies located within 5 Km<br>from ML boundary.   | 37,26,000/-       |
| 3.     | B(xiv) (u)  | Mitigative measures to minimize soil<br>crosion and checking 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 /<br>toe walks to arrest sliding down of the<br>excavated material along the contour.   | 16,03,505/-       |
| 6.     | B (xiv) (d)   | Stabilization and reclamation of Over Burden Dump area by appropriate grading thenching 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/-        |
| В.     | 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

Copy along with a pay of the above or ed scheme each at one set forwarded to the Chief Const out of I west. Green Olympion with foods) Officer, FC Act), Office of the Principal Cult (12) (12) (13) (14) Foreste & Harte Odisha for favour of information and accessary action with releasure to Name No.4277 dated 0.1 07,2022, of the DFO, Cuttack Division.

Encl: As alaeve,

Regional Chief Conservator of Forests Ajogul.

Memo No. 83/ Qualed: 073-5-99

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

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Regional Chief Conservator of Forests Migal Angal

A STORPETT OF

TORNEL SINGER STREET



Annexure-

#### 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 Jineal Stainless Limited

Authorised Signatory

(Shib Sankarshan Mahanta)

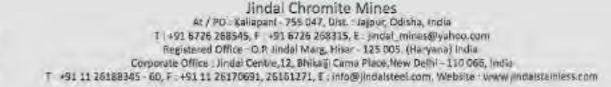
Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Distation



Jindal Stainless Limited







Annexure-

## CONDITION NO.:- A(xi)

UNDERTAKING

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

 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

Authorised Signatory

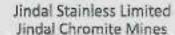
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional forest Officer Cuttack Forest Division





At / PO : Kəliapani - 755 047, Dist. : Jajpur, Odisha, India T : +91 6726 268545, F : +91 6726 268315, E : Jindal\_mines@iyahoo.com Registered Office : O.P. Jindal Marg, Hisar : 125 005. (Haryena) India. Corporate Office : Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India.



ANNEXURE -A/XII

#### FORM-II

(for projects other than linear projects)
Covernment of Oxisha
Office of the District Collector, Jajpur

No. .... 797

Date 3.5./6

#### TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEP). Government of India's letter No.11-9/98-FC (pt.) dated 3th August 2009 inherein the MoEF issued guidelines on submission of evidence for naulus imitated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Roccognition Forest Rights) Acts 2006 (FRA) for thort) on the forest land proposed to be diverted for non-locust purposes. It is certified that 60,301 hectares of forest land proposed to be diverted in Involution Mrs. Jindal Stainless Ltd. for Jindal Chromite Miner in Japan district talls within passibility of Kaliapani eillage in Sokinda fahall.

It is further certified that;

- (a) the complete process for identification and settlement of rights under the FRA has own cerried out for the entire 64,301 hasteres of forest land proposes for diversion. A copy of records of all consolitation and maetings of Forest Rights Committee. Gram Sabba (s). Sub-Division Lovel Committee and the District Level Committee are enclosed as Annuaure- A to Annexure-C.
- (b) the proposal for such diversion (with full details of the project and its implementations, in vernecular/focal language) have been placed before each concerned Gram Sabha of finest-divellers, who are eligible sinder FRA.
- (c) the each of concerned Gram sebhas, has certified that all formalities/process under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ampliorative measures. If any, having understood the purpose and details of proposed diversion. A copy of the

AGM (Mines)

Jindal Chromite Mines

M/s. Jindal Stainless Ltd.

Jindal Stainless Limited

certificate issued in the Gram Sabha of Kaliapuri village is enclosed (as mentioned alread)

- (d) the ellegistion and decisions on such proposals had taken place conty when there was a quorism of minimum 50% of the members of the Gram Jabbe provents
- (e) the observation of forest land for facilities managed by the Government as neguired 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 past Section 3 (1) (e) of the FRA.

Local As above

(Satya Kumar Mattick) Collector & District Magistrate, Jajpur

AGM (Mines)

Jindal Chromite Mines

M/s. Jindal Stainless Ltd.

Jindal Stainless Limited

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 DEWELLERS (RECOGNIFION OF FOREST RIGHTS) AGE. 2004 THEO OH 18.04.2016 IN THE OFFICE CHAMBER OF SUB-COLLECTOR, MAINUE

The 5(d) Divisional Level Controlled moving on Diversion of Forest Land for use of Non-Forest Land under Educated Tribe and Other Traditional Forest Dwenter (Recognition of Forest Rights) Act, 2006 of Japur was convened on 18.04.2016 at 4.00PM under Champurship of Sub-Collector, Japur.

The following members of the committee were present.

- I. Sal Alay Kumer Sahoo, OFS, ACE, Cuttack
- Irl Karmadeba Dehuri, P.S Momber of Suklada P.S
- 3. In Pandu Tiyu, P.S Member of Badachara P.S.
- 4, Smt. Sati Debury, P.S. Member of Dharmanala P.S.
- 5. Sil Dehadutte Mufanta, OAS (I), 8DQ, Sukinda
- Sri Nist-atishna Jewa, OAS (I). Tahesildar, Sukinda
- Srl Padan Charan Jana, ADMO, Jajour
- 8. Sri Surendra Ku. Sesson, Rep. of M/s. Jindai Staintess Ltd.

At the outset, the Chairman welcomed all the members present and initiated the discussion and intlimated (to) the Gram Sabba of Kaliepant G.P has recommended the proposal for class one of Forest Land arounding 64,30t her. for the or non-torost purpose by M/s Discal Stainless Ltd. for Bridge Chromite Mines before the SCHC for approval. The detailed village wise position it given below.

| Name of the<br>Agenty                                    | Name of the GP | Name of the<br>Village | Area applied for |
|--|----------------|------------------------|------------------|
| M/s. Indial<br>Steples 3 id.<br>(Bodel Chromite<br>Mice) | Kaliapara      | Kalinpani              | 64,301 Hac.      |

On emilication of Grans Salata proceedings forwarded by block Developme a Officer, Sidelands, it is revealed that detail discussion was made in the Gram Sever Pails Salva remording Forces Right Act., 2006 and implementation of displacements and its implication and remabilitation was explained to them in oditys vernecular. Further, it is seen the projets present in the Gram fablus had agreed and

CANA CANA

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

Jindal Stainless Limited

have point their written centers with recommendation for diversion of forest and of all the extent for non-forest use by the M/s. Ifindal Stainless Ltd. The above areas had there wereled by the Revenue Inspector. Kankadapal for determining the possibilities of actual extent of Forest and by the Individuals and communities for giving softward and recognition of Forest Rights Acts 2006. Moreover, at was found that as individual and community are in possession of the above scheduled land. The same has been confirmed by the Revenue Inspector. Kankadapal through Tabasidas, tukindas.

Heavy the committee unanimously decided to send the diversion proposal of above sale land for use of non-forest purpose by M/S. Andal Stainless Etd. for the above misses to District Level Committee.

The Limiting emiled with vote of thanks to the Chair.

Sub-Codector-Cum-Chairman, SDLC Jajpur

Men of No. 77 74 / Date, Mary file Copy forwarded to all members for information and necessary action.

Sub-Collector-Cum-Chaleman, SDLC

Memo No. 775 / Date. 34 % / 2 opy to Tahasilder. Sukinda/BDO, Sukinda for Information and necessary accessor.

> Sub-Collector Com Chaleman, SDEC Jelpur

Meno No. 1 JA / Date, 31/65 /47

py submitted to the Collector, Jajpus for favour of lind information

Sub-Collector-Curl Chairman, SDLC Jajpur

AGM (Mines)

Jindal Chromite Mines

M/s. Jindal Stainless Ltd.

Jindal Stainless Limited

### ON 29.01.2016 at 4.30 PM IN THE RESIDENTIAL OFFICE CHAMBER OF COLLECTOR, JAJPUR

The District Level Committee meeting on diversion of Forest Land for the of non-fewest purpose by AVI. Jindal Stainless Ltd. under ST and Other Transformational Court Divellers (Secondition) Act. 2006 was convined on 29,04,2016 of 4,30 PM under the Chairmanthip of Collector. The following members of the committee were crossest.

- 1. Sri Surreman Behera, QES-1 D.F.O. Cuttack
- 2. Sit A was Panlgraid, CAS (5), Sub-Collector, Jajpur
- 3. Sri No. Short Jeng, Chi (i) Tabasildan, Schinda
- 4. Snn. Toward Mally, Z.P. Minoter, Zone No. 39
- 5 Smr. in Bahara, 2.P. Marsher, Bone No. 12
- 6. 50 Sumar Peth, WEO Julinda, Rep. of BDO, Saldrida
- Min the Sethy, GWS, Energy Welfare Officer, Jajpur
- 8. Srl P. L. Charen Jeha, ADVVO. Jaigur

the cutset, the Charman welcomed all the members present and matrix. The DNOS to present the states of the diversion proposal, The DWC in the Committee members that a Palli Sabha was convened in Kattapani under Kattapan GP on 03.02.2016 for diversion of Forest Land for the constored pasping to connection with finefal Chromite Mineral OF MAL TO vainless lite. Kalt pual on considering the guidelines of Forest Rights Act The Palli Sature of Kaliapani Village of Kaliapani GP has ideal and recommended the proposal for diversion of forest conclosive land meso 65.30t has for use of non-forest purpose by M/s Jindal Spannica (1) North Chromite Misss As per the report of R.L. Kenkedepol has applied to observior of 64,301 hat of forest land under GR. HALLES falsoft arts Mines for use of asso-forest purpose (Mining purpose). The cort, sabile and hal records of the proposed area were placed lard sched for a takir rificussion in the Pall Jabha Dt. 03.02,2016 convened at Kattagorati ONVO apprised he committee that on per the Palli Salda proceedan rulal proposed area of the User Agency is 64,760 has out of

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

Jindel Sminless Limited

of 0.459 he (Ac. 1.65) is forest land as per hal RoR and the rest which ... of the -64.301 is longs tond Palli Sabha members present during the meeting have agreed in werden conser with recommendation for diversion of forest BANK BLOK It has feet negotierest use by M/s. Jindal Stainbert Ltd. The Grans tonner turified that no individual and community belonging to the Sublin 1 Schoolal Gategory of the Primitive Vulnerable Tribal Groups are pencline mationally dire indust on the proposed diversion area. The confirmed by the report of R.L. Kankadapal GP. some from detail discussion on the matter, the Chaleman of the COMMO D.F.O., Cuttact reggered the representative of the user agency In the meeting to hold a separate Palli Sabha for diversion of who we the bett a measuring 0.459 ha, (Ac. 1.13) of forest land as per hal RoR. The Di such opined that nince, the proposed diversion area alongwith The left is exclusively aclay used by the project proposent, it should bu dive the guidelines of FRA, 2006 by convening a separate Palli Saldan Colleman of the committee also instructed the user agency to finel and steay aforgetation land, against the proposed diversion area. He equit he tister Agrees; to take urgent initiatives for the same. by the constitute unanimously decided to approve the diunis of 64,361 ha, for use of non-forest purpose by M/s. Jindal A Chromate Miner as per the providens of FRA, 2006. Stanier tecting ended with vote of thanks to the Cheir and the member Jaipur Manno b

/Inter 2 VHV

to all members for information and spessary action.

Collector-curry Chair **Jejpur** 

**Jindal Chromite Mines** M/s. Jindal Stainless Ltd. Jindal Stalnless Limited

Authorized Signatory

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19 P.D., 1983A. Japper/ Sub-Collector. Japper/ Block Sukhudar Tatastidas. Sukhuda for Information and

Collector com Chairman.

Memo No-Easy ST & SC Linecessary a the the Director (ST)-cum-Additional Secretary to Gost...

Department, Odisha, Bhubaneswar for information and

Collector-cum Challenan.

AGM (Mines)
Jindal Chromite Mines
Mils. Jindal Stainless Ltd.

Jindat Stainless Limited

Authorised Signutory

#### 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.

Sit

On the direction of District welfare officer and Additional District Welfare Officer submits 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 drumning for two days. Gramsabha/Pallisabha was held & concluded peacefully at kaliapani Shib Temple on 03.02.2016 at about 10 am as per due procedure. All facts in relation to Gramsabha/Pallisabha promentioned 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. Videogrphy of the Palli sabba / Gram sablus
- 4. Still images /photographs of Palli shha / Gram sabba(37)
- 5. Receipt of the person who have done the awareness by beating Drum.

Sarpanch,

Kaliapani, Gramapanchayat

Divisional Forest Officer Cuttack Forest Division Authorized Showers

#### 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 , Kalinpani

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, is the premises of Shib Temple, Kaliapani Revenue. Monza, 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 Panchayut
- 4. Revenue Inspector, Kankadapal Gram Panchayat circle
- 5. Forestor, Rasol section
- 6 Welfare Extension Officer , Sukinda Block
- Senior Vice President and other mangers /others 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/Garamsabha 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 sabile kissum forest land as the land over 64.301 ha of orest is comes under sabile kissum forest from the lease area of Jindal Chronite Mines. Limited located at Kalispani Gram-Panchayat

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

Jindal Stainless Liquided

Authorised Signatory

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 hispector. Kankadapala, presented in the meeting on detail data of field investigation under the forest rights Acr2006 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 propessed 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 0; acre / 64.76 ba \_ 1.13 scre / 64.59 ba is word Kisam (Non-Forest) and another 158.89 acre / 64.301 Ha. it forest Land.

The applied land of Indal Chromite Mine ( Jindal stainless Limited) is 160.07 acre or 64.760 bectors for Jindal Stainless Limited Jindal Chromite Mines no individual are community on possession of Schedularibe 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 schedultribes 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 inde or other inditional forest dwellers depend on the land for their livelihood. The villagers clarified that they have not any lorest 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.

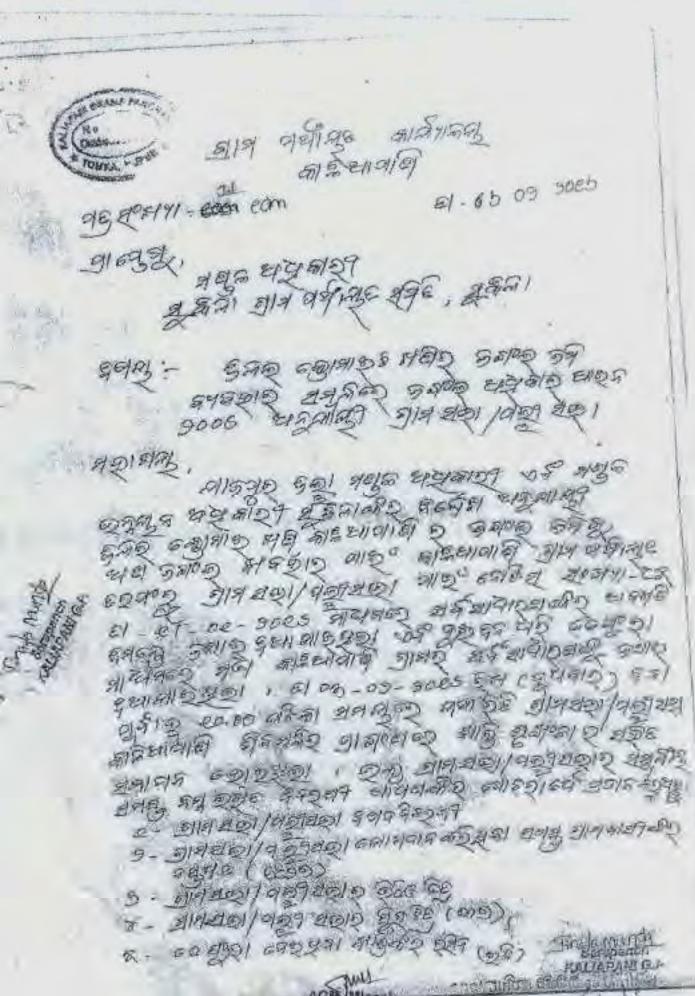
Therefore, the proposal for diversion of 64:301 hector of forest land with respect to findal Chromite Mini-(Jindal Stainless Limited) of Kaliapani village and Kaliapani Panchayat was unanimously accepted. It is requested to concern officials present at the meeting to implement the proposal

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).

Jindal Stainless Limited

Authorised Signator

Divisional Forest Officer Cuttack Forest Division



Jindal Chromite Mines M/s. Jindal Stainless U

Knobart Authorised Signatory

### हमार्च सर्वितार साज्य ३००० समुद्रान्य कर्नाग्राम् गाम स्था / न द्वी स्था हिन हर १४०००

ग्राप्तर भाग - माहवाजानी ग्राम वे की खुट- बाह्यावास

u. Jindai crainless

शिर- भाइता गांची श्रीरमध्य 9/5/00 91-09-09-9003 सम्ब- व्रश्नेष ६० ० वर्षे छ।

थाय हो ०५-०७-००० हम ८इपम्य) वर्षे ६० ०० मिन वमयुट्ट हुंगा कार्ला हुंगुर शहुं किया थाउनु के इन क रहाउ हा वर-हर- अवस्त्र हम दम्बन छक्ष्र धर्मार्थ 北部日 明 9月 97 とうじょう 184-29-3028 日本 四分かり वर्ष हर्षा वृद्ध सामा यह पर पर्यादित भाइतावाच राज्य विकारिक देशकार कामान है। यह विकार कामान विकार कामान बहुत वर्गनिह हमित्र महार्थ महार्थ ने महार ल्लाहरमाद्य रविद्वा मुन्द्र। - अहर अहर के क्षिति क्षेत्रके का अहर का का कर्ममुख्य गाम अर्थे। गुट्य कर्मा हेट अहम् ज इ अरे इ अर्गि (इ अर्गि (इ अर्गि क्रिक्ट क्रिक्ट व र्गिक्ट ) यह कार्यमान्य र्यहर श्रेष्ट्र स- श्री वर्षे काहरावाही वर्षेत्रिह 9 - येने हे मूछ्या, काइ छावाद्य असीत्रह नाम विभिन्न कार्मि। प्रमायन स्ट्रामिनामा र्। देव है जी है । है विश्व है । है विश्व है । है विश्व है । Dreds same निक्रणी क - नम्क भेषामाण्य सम्माएन, मुक्ता हैन 名為 高山南南山岛 中海 व्यक्तिक (अक्षेत्र क्षा) व्यक्ति 是自己。原则相似于 对同 C 是 可是 网络阿里 AGM (MILL Bodal Chromis out

निम्हल क्षेत्र विदेश मुद्दी, म्याने किया विविध क्षेत्र महीर महीर्वह रखेर करीताक न्त्रिक्त अस्त्रिम्ह अस्ति चाल्लाहर व्यक्ति & BRED

किया विकार विकासका का कारणा वार्ष मान वर्षामुन्य धन्तु अन। काइधावान युन्य न्त्राकार इत्र क्षामार्क मधि (इत्र व्यक्तिक व्यक्तिक) र इक् केर हिन्द्र कि ए हैं ता की साम सिन क्रिक्ट हर्के । ठक दिन्न अपने अपने स्टिन हर्ना हरी। हर्न ए (अध्यक्ति सम्बाक १५०) ७५ वाक्ति वाक्ति वाक्ति । यश्री में इसम का मक्ष्य का का का का का का का स्मित्रकेट जरनाह ५०० वाल्यकि वसवायनकर्ण क्रमार्थे सिक्ट धर्ममार्थी धार्च उभाउ र मन्त्र नम्हण्डल वार्षायम् वार्षेत्रः, वार्षेत्रः वार्षेत्रः बार्यमुन्त्रे मण्डीकी स्तिति त्रिक प्रदेश करित विकास भावकी देवन की मार्

एकि यावशायनगर **多别包装6**型

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REVENUE INSPECTOR

Forester Plan

Kalifanajena.
Samiti Memberg. 02.2016
Kaliapani G.P.

Water Extension Officer BUKINDA BLOOK

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AGM (Mines)
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Jindal Staintess Limited

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इत्रम् द्यापाष्ट्रभेषे (इत्रम् द्यान्त्रम् १८) अपात्र कर्मामाष्ट्रभेषे (इत्रम् द्यान्त्रम् १८) अपात्र कर्मामाष्ट्रभेषे

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AGM (Mines)
Jindal Chromite Mines
Mis. Jindal Stainless Ltd.

Jindel Statutess Limited

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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 SunMoto 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 09.08.2022 at 10.00AM. through zoom app for conformant 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 Addi 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
- Dr. Sanjaya Kumar Swain, DFO, Cuttack
- Dr. Sarat Chandra Mohapatra, OAS (S), Sub-Collector, Jaipur
- Smt. Zema Chakhi, Z.P. Member, Zone No. 37
- Smt. Tina Haibru, Z.P. Member, Zone No. 9
- Shri, Sadhu Charan Tiyu, 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.
- 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 was 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, 162nos of individual claim cases were found eligible covering a total area Measuring 6.48 dec of the following virlages for homestead purpose only as were recommended by the SDLC. Further the District Walfara 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 |
|-----------------|------------------------|--------------|---------------|--------------|
|                 | Sasan<br>Purusottampur | Barchana     | 60            | At 2.40      |
| Darpan          | Baragada               | Parla        | 11            | Ac 0.44      |
|                 | Paria                  | Paria        | 51            | Ac 2.04      |
|                 | Samia                  | Kolha        | 40            | Ac.1.60      |
|                 | TOT                    | AL           | 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 5.48 dec and instructed the DWO, Jajpur to prepare the patta and get it approved by the Collector & DFO and hand over the filles to Tahasildar, Darpan for distribution to the beneficiaries concerned and case records also be returned to the Tahasildar concerned.

#### Agenda -II

## Decission 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 hosning on different dates in Block/Tahasil wise as follows...

| S)<br>No. | Warne of<br>Tained | No. of Field<br>Inquiry Report<br>receipt from ST<br>Claims | Hearing of<br>SDLC Date | No. of claims<br>found for<br>relection after<br>Field finquiry | Reason of Rejection  | Remarks   |
|-----------|--------------------|---|-------------------------|---|--|---|
| i         | Danagadi           | 165   | 23,10,19 &<br>15.04,21  | 164 nos   | 1. Aiready availed IFR Title previously-140ncs 2. Residing over other than forest land14 nos 3. No Such Person- 06 nos 4. Not belongs to Danagadi Tahasil Area- 03nos 5. Non ST-01 no. | OI no of ST-<br>dairmants<br>found to be<br>eligible to get<br>IFR title. This<br>case is under<br>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. Kisam Basti Jogya- 07nos 5. Kisam Gochar-03 nos 6. Kisam Patita-10 nos 7. Kisam UJJ-3 nos            | 35 nos of ST<br>Claims found<br>to be eligible<br>to get IFR<br>title. These<br>cases are<br>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 teasable under FRA. 2006, in such cases as per views of SDLC, Collector Jajpui instructed to Tahasildars concerned to settle those claimants under other Govi. Rules like OGLS/OPLE Act.

Further, The Collector instructed Tehasildar concerned to prepare the case record of eligible ST Claims found during inquiry and send it to SDLC & DLC for issuance of little 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/Tahasii 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 / Tahasii, Before SDLC / DLC for approval. The details village wise position is given below.

| Name of the Agency        | Name of Gp | Name of<br>Village | Area applied |
|---------------------------|------------|--------------------|--------------|
| 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 odle vernacular. Further, it is seen that the people prosent 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. Kankadapat for determining the possession of land by any claimant under IRA, 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. Kankadapat 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. Kankadapal, 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.

Intiating 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 Heck 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 Tahasii | Forest area in Hect. | Non Forest area in Hect |
|----------|-----------------|----------------------|-------------------------|
| Jajpur   | Dasarathpur     | 0.5497               | 81.9499                 |
|          | lajpur          | 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               | 18,4871                 |
|          | Binjharpur      | 0.057                | 18.4236                 |
|          | 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. 11-9/96-FC (Pt.) dL 05.02.2013 of Ministry of Environment and Forest Deptt. Palli Sabha & Grama Sabha is not required for project coming under liner project. Hence, on receipt of application, the concerned Tehasildars 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 submated 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 at 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 paying 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 & PalliSabha is required as no PVTG, PAC & PTG groups are going to be affected. Further, as it 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. 88 10 / Dt. 29.06.2022 Copy forwarded to all members for information and necessary action.

> Collector-cum-Chairman, DLC, Jajpur

Memo No. 88+1 / 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. 88 515. / 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 FLIUN-COLLECTOR, JAJPUR,

The Sub Divisional Level Committee meeting on Diversion of Forest Land for use of Non-Forest purpose/Approval of IFR Clabris and hearing of rejected ST Claims as per WF @ 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

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

- 1. Sri Manoranjan Swain, OFS, ACF, Cuttack
- Sri. Kusha Munda, P.S. Member of Pataranga P.S. 2.
- 3. Smt. Damayanti Khatua, P.S Member of Kacharasahi P.S
- Sri Saluka Henhaga, P.S. Member of Kallapani P.S. 4.
- 5, Miss, Namrata Modi, OAS (JB), Tahasildar, Danagadi
- Miss. Damayanti Sahoo, OAS (JB), Tehasildar, Sukinda 6.
- Sri Pradeep Ku. Sethy, OAS (JB)Tahasilfar, Darpan 7.
- Sri Tapas Kumar Sethy, . OAS (JB),BDO,Sukinda g.
- Sri Manguil Cheran Predhan, Weo, Danagadi 9.
- Sri Bijaya Kumar Purty, I/C, ADWO, Jajpur 10.
- 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 inimated that Grama Sabha of concerned villages has recommended 162 nos. of Individual ST claims in respect of Sasan Purusottampur, Baragada & Paria village under DarpanTehasil\_Out of Which 48 nos is to be covered under PMAY.

The details village wise position is given below.

| SI<br>No | Name of the<br>Tahasil   | Name of the G.P  | Village             | No of Case<br>record<br>received | area in |
|----------|--|--|---------------------|----------------------------------|---------|
| 1        |  | Barchana   | Sasan Purusottampur | 60                               | Ac.     |
| 3        | Darpan   | Parla  | Daragada            |                                  | 2.40    |
| 3        | eserbait   | Paria  | Paria               | 11                               | 0.44    |
| pills.   |  | Samila   |                     | 51                               | 2.04    |
|          |  | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM | Kolha               | 40                               | 1.60    |
| The one  | and professional designation of the last o | - 3  | Grand Total         | 162                              | 6.48    |

Professional professional distribution of

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 lorest land are eligible for vesting of individual rights under ST and OTFDs (Recognition of Forest Rights) Act. 2006. Out of which 48 daims is to be covered under PMAY Schame. for which Sub-Collector, Jajpur gave special thanks to Tahasildar, Darpan. The committee ventiled 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 alloted on the basis of the actual possession of the claimant i.e. Homested and agricultural purpose. The District Welfare Officer appraised 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) hectors.

It was also resolved unanimously by the Sub-Divisional level committee to recommend 162 nos of claim Cases belonging to ST Community convening total extent of AC 6.48 of homestead Lend 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, Jajour 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 as Block Level.

The detailed filed inquiry report received from Tahasildar concern is given below.

| SI<br>No. | Name of<br>Tabasil | No.of Field<br>Inquiry Report<br>receipt from ST<br>Claims | Having of SDLC Date    | No. of cides<br>found for<br>relaction after<br>Field inquiey | Remon of Rejection  | Remarks   |
|-----------|--------------------|--|------------------------|---|---|---|
| 1         | Denagadi           | 165  | 23.10,19 &<br>15.04,21 | 164 nos   | Already availed IFR Title previously-140nos     Residing over other than forest land14 nos     No Such Person- 06 nos     Not belongs to Danagadi Tahasii-Aren- 03nos     Non ST-01 no. | Of no of ST<br>claimants found<br>to be eligible to<br>get IFR title.<br>This case is<br>under process. |
| 2         | 3ukinda-           | 84   | 16.10.2019             | 49 nos  | 1. Non-ST-05 nos 2. StayIng over Private Piot-12 nos 3. No Such Person- 09 nos 4. Kisam Baiti Jogya- 07nos 5. Kisam Gochar-03 nos 6. Kisam Patita-10 nos 7. Kisam UJJ3 nos              | 35 nos of ST<br>Claims found to<br>be eligible to<br>get IFR title.<br>These cases are<br>under process |

The Chairman properly gone through the detail field inquiry report submitted by the Tahasidar concern and appraised before the committee about the claims which are genuine for rejection.

Furthers, where claimants are eligible and land is in question, in this case the Chairman instructed Tahasidars to settled 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 chalmar the committee properly understood the reason of rejection and unanamiously decided to reject those claims. Accordingly the proposal sent to DEC for final decision.

AGENDA -3: Approval of Forest Diversion Proposal of M/S Jindal Stainless Ltd. under FRA,2006.

The DWO, Jajpur appraise/before the Committee that, One M/S Jindal Stainless Ltd. fins requested for issues of FRA Certifiacte over an area 1.899 Ha under FRA 2006 in connection whit Jindal Chraomite Mines of Village Kallapani 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 lindala Stainless Ltd for Jindal Chraomite Mines before the SDLC for Approval. The Details Village wise position given below.

| Name of the Agency        | Name of Gp | Name of<br>Village | Area applied for |
|---------------------------|------------|--------------------|------------------|
| M/S Jindal Stainless Ltd. | Kallapani  | Kaliapani          | 1.899 Ha         |

On penusal of Gram Sabha Proceeding forwared by BDO, Sukinda, it is revealed that detailed elaborate discussion was made in the Grama Sabha/Palli Sabha regarding FRA 2006 and implemention of displacement and rehabilitation schemes was explained to them in Odia Vermacular.

Further. It is seen that the people present in the Grama Sabha had agreed and have given their written consent with recommunation for diversation 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 seheduled 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.

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hus

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 unamiously decided to send the diversion proposal in regards to the above sald 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

Sub-Collector Cum Chairman, SDLC

Memo No. 13"[1] Date. 01-06-2022 Copy forwarded to all members for information and necessary action.

Sub-Collector-Cum-Chairman, SDLC

Memo No. 73 78 / Date. 61-66-2630.

CopytoTahasildar.Danagadi/Sukinda/Darpan&BDO.Danagadi/Sukinda/Darpan for information and necessary action.

Sub-Collector-Cum-Chairman, SDLC Jajpur

Memo No. 1319 / Date 31 66 2039,
Copy submitted to the Collector, Jajpur for favour of kind information.

Sub-Collector-Cum-Chairman, SDLC

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 swherein 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 hecteres 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 Kalispani 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 amellorative 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.

Encl: As above

(Chakravarti Singh Rathore)
Collector Gitter (1998 trate,

A160 8-0- 17

#### Minutes of Meeting (Palli Sabha/ Grama Sabha) conducted as per Forest Right Act, 2006

Village: 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 Kallapani 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
- 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 Kaliapani 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 Nonforest 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)

Date hore 21 2000

ମଣ୍ଡଳ ପ୍ରତ୍ୟ ଅଧିକାରୀ ସ୍ଥଳିକା ଦାର୍ଥୀନ୍ତ ଅନିତି, ସ୍ଥଳିକା ।

निवान् : बिदान् ब्वामार्थं शिवर् जवान्य जमे नपन्यार् वस्तानक जनान्य व्यवनार व्यवस्थ १००० चंत्रुवास्त्री व्यामथक्। वार्यक्षार्थः । अनुमान्

ମାନ୍ଦପୁର ଜିଲ୍ଲୀ ମଣ୍ଡଳ ଅଧିକାରୀ ଏକଂ ବହାଳ ହନ୍ତ୍ର ଅଧିକାରୀ ପୁରିଧାର ହଳ୍ଲୀ ଅନୁନାର୍ଯ୍ୟ ବିଜ୍ଞର କ୍ରୋବାହ୍ୟ କଳିପ ଜଳାବର ଜନିକ୍ ଆଜ୍ଞରଙ୍କ କଳିପ୍ର ପ୍ରତ୍ୟ କଳିପ୍ର ଅଧିକାର ବହାଳିପ୍ର ଅଧିକାର ବହାଳିପ୍ର ବହାଳିପ୍ର ଅଧିକ୍ର ଅଧିକାର ଅଧିକା

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୩ - ଜ୍ୟାବରଣ / ଦାବ୍ୟାସହାତ ହିତ୍ରେଟ୍ର

ହ - ଜ୍ୟାଧ୍ୟରୀ । ପର୍ଯ୍ୟତାତ ଔତ୍ରଟ

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ା ନ୍ତି । ଆପ୍ରାୟର କିମ୍ବୁ

> Kallana Jena Kalpana Jena Sarapanch Kallapani

# ଜାନୟରୀ। ପର୍ଯ୍ୟତା ବୈତନ୍ତ ବିଦନ୍ତୀ

ଗ୍ରାମ ବାବା , କାଦିଆବାକି

ୟୁମ୍ନ: କଳିବାଦାରି ହିବ୍ଦର୍ଗର ପ୍ରାକ୍ତ

ଗ୍ରାମ ବାସି । କଳିଆ ବାରି

छ। : हना हन। ३०३६ हिल छन्द्र: व्याप्त्र हर विका

प्रभावका। ज्ञान्त्र व्यक्ति स्वर्तात् वर्तात् वर्तात्

তেন্দালত কৃত্ত প্রভাক্ত স্পৃতিন্ত প্রক্রাণ দর্শকর ক্রিয়া । প্রাপ নালীক্তের ক্রিকিট প্রকিট্ ও জিনন্ ক্রোপান্তর্ পান্ত্রপ্র অধ্নার্য পাক্র করেরিচ শূলা ।

- e ଏହସ୍ଥି , କାରିଆଗାରି କ୍ରାମଗଣିୟେ
- ৪ প্ৰসিট প্ৰয়ো, কলিখানাৰী প্ৰাপ অধীন্ত
- ୬- ହାଳଥ୍ ବର୍ଷାଳକ, କାଲ୍ଟେମାନ ଗ୍ରାବପଦ୍ଧାନ୍ତ ସର୍କର
- ४ एल बनार्धन अयुवार्थ , बुबना बनार्धन
- ४ असल्य ब्रेसियार्स यर्मेमार्स ', ब्रैस्टा
- ୨ କପିଣ୍ଟ ଓଡ଼ିକ୍ଲେକ ଏବଂ ଦାବଧାନ୍ୟ ପହିନ୍ଦ୍ରକା ଅଧିକାର୍ଥ ଭିଲକ କ୍ରୋମାନ୍ତ୍ର ମାନ୍ଦ୍ରମ ଜିଲକ ବ୍ୟେକ୍ତେଥ ବିଭିବରେ ।

ମୁଧ୍ୟର ଓ ଜଣ୍ଡର ଓ ପ୍ରଥିପତ । ଜଣ୍ଡର ଧିରଣ ପ୍ରଥିପତ ପ୍ରଥିବ ଧିରଣ ହାଇଥା । ଅଧିକର ଅଧିକର ଅଧିକର ବର୍ଷ ବର୍ଷ ପ୍ରଥିତ ପର୍ଥିତ ପ୍ରଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପର୍ଥିତ ପରଥିତ ପର୍ଥିତ ପରଥିତ ପରଥିତ ପର୍ଥିତ ପର୍ଥିତ ପରଥିତ ପରଥିତ ପରଥିତ ପର ପରଥିତ ପରଥି

Sarapanch

ख्ये विषय विषयि । विद्वीयक्षा का क्षित्र क्षांत्रका क्षित्र क्षांत्रका विषयि । विद्वार क्षांत्रका विषयि । विद्वार विषयि विषयि विद्वार विषयि विद्वार विषयि विद्वार विद

ଜତ୍କାରେ ହାରଷ୍ଟ ନିର୍ଣ୍ଣକ, କାଞ୍ଚମନଙ୍କ ପ୍ୱାହା ପ୍ରଷ୍ଟାବିତ ଜନିକ୍ ଜଣାବ ଅନ୍ତମ୍ପ ଧାର୍ତ୍ତ-୭୦୦୨ ଅନ୍ତମ୍ବାର୍ଯ୍ୟ କତ୍ୱାଯାନ୍ତ୍ରକୀ ଅନ୍ତମନ୍ତ ଜଣନ୍ତ, ବିକର୍ଗୀ ଏକ ବାହାଷ ଦ୍ୱାର୍ଥ-ଥାବଳ ଓଙ୍କ ଲ୍ୟାଣ୍ଟ ପ୍ରିମ୍ପୁର୍ବ ଭୂକ୍ତ ବୈଟଳତେ ଗ୍ରେଷ୍ଟ୍ରାମନ କହାଯାନ୍ତ୍ର । ଜତ୍ମପ୍ରିତ ଭ୍ୟ, ଜନିତ ନକ୍ଷା ଜତିଆରେ ଜନିତ ଅନସ୍ତି ନମ୍ପର୍କିମ, ତଥ୍ୟ ଗ୍ରାମକାର୍ଥୀଙ୍କ ନଳନ୍ତ ଉଦାନ୍ତମନ୍ତ କହାଯାନ୍ତ୍ର ନା

ହଳ୍ପ ହିଟୋଟିପ୍ଟ ଜଗାଗନ୍। ଜଣ ଜିସନ୍ କ୍ରୋମନ୍ ମାନ୍ତ୍ରଣ୍ ହାବେଦ କରାଯାହ୍ୟକା ଅନ୍ୟ ଜନ୍ମ ଅନ୍ତି ଜଣ ମଧ୍ୟ ଜନ୍ମ ଅନ୍ତର୍ଗ ଆନ୍ତର୍ଗ ଆନ୍ତ ଅନ୍ତର୍ଗଳ୍ପ ଅନ୍ତର୍ଶ୍ୱଳ୍ପ ଅର୍ଟେ, ଏହା କାଳିଆରାଣି ହାଉଣ୍ଡ ଜମିତାନ୍ତ ଅନ୍ତର୍ଶ୍ୱଳ୍ପ ଅର୍ବ୍ଧଳ୍ପ ଓ ଓ ଅନ୍ତର୍ଶ୍ୱଳ୍ପ ଅର୍ବ୍ଧଳ୍ପ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ଧଳ୍ପ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ମନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ଧନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ୟ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ୍ୟନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ମନ୍ତ ଅର୍ବନ୍ତ ଅର୍ୟନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ୟ ଅର୍ବନ୍ତ ଅର୍ବନ୍ତ ଅର୍ୟ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ୟ ଅର୍ମନ୍ତ ଅର୍ୟ ଅର୍ବନ୍ତ ଅର୍ୟ ଅର୍ୟ ଅର୍ବନ୍ତ ଅର୍ବ ଅର୍ୟ ଅର୍ୟ ଅର୍ୟ ଅର୍ବନ୍ତ ଅର୍ୟ ଅର୍ୟ

Kalpana JenKalpana JenSarabandt

Kalladan

ହେକ, ସହାରୀ ଉପସ୍ଥିତ ଅମୟ, ଅତ୍ୟାୟକ୍ଷ୍ୟ ପ୍ରୟାକକୁ ଅନ୍ଥର୍ଗ କରିବା ଅଧି । ବର୍ତ୍ତିକୁ ପ୍ରକଃ କାର୍ଯ୍ୟଥନ୍ୟ କରିବା ପାଦ୍ର ଅନୁଗତି ପ୍ରଦାନ କରିଥିଲେ ।

ଧ୍ୟ ଜିପତ୍ ପ୍ରେବ୍ୟ ନିମିଟେତ୍ ଅଧିକୃତ ଜିମତ୍ କ୍ରୋମାର୍ଥ୍ ମାହନ୍ତ୍ୟ ଟାର୍ମ ମଣ୍ଡରୁକ୍, ଆଧିକ ୧୯୯୯ ପ୍ରକୃତ ଆହାର୍ଥ ହେଉ ଓ ଜିଲ୍ଲ ଜମିକୁ ଅଗ୍ରେକ୍ୟ ଜମି କ୍ୟବର କ୍ୟବହାର କିତ୍ର ମାହ୍ୟ ଆଗ୍ର ପ୍ରେକ୍ଷ୍ୟ ପ୍ରକ୍ରେକ୍ୟ ବ୍ୟବ୍ୟର କ୍ରମ୍ବର ଜଣ୍ଡର୍ଥ କ୍ୟବ୍ୟର କ୍ରମ୍ବର ଜଣ୍ଡର୍ଥ । ଏହାକୁ କାର୍ମ୍ବର୍ଥୀ କିତ୍ରିକ କ୍ୟାଯାନ୍ତ୍ରହ୍ୟ କରାଯାନ୍ତ୍ରଥିକ କରାଯାନ୍ତ୍ରଥିକ କରାଯାନ୍ତ୍ରଥିକ କରାଯାନ୍ତ୍ରଥିକ ବ୍ୟବ୍ୟର

यर्ने ब्लान हरे ब्रह्मावे , ब्रह्मा ब्रह्मा । ब्रह्मा व्यापार्ग , जन्म राध्नार क्रिने । ब्रह्मा ब्रह्मा व्यापार्ग , ब्रह्मा व

Soundista Preadhan ଉମ୍ମିକ ସ୍ଥାହମ। କାଲିଆମୋଳି ଗ୍ରାମମସ୍ଟିୟନ Samiti Member Kallapani G.P.

ଧ୍ୟ । ୬ ବ୍ୟୁ ବର୍ଷ । ବାଦକ ଷତ୍ରଥି କାରିଆପାରି ଶ୍ରାମପର୍ଷ୍ଠାତ୍ତ

वर्वाचे महिभावाने चलवरीत

Kalpana Jana Sarapanah Kallapana

DETTEP KEMON CHOMEN OF REMODERNIS PECTOR OF MANKADPAL मुन्या विवयम्बद्धाः व्यक्षित्रकार्यः नुष्याम् सार्ग्यात्रकार्यः

Range Rasion Ray



Annexure- 7-/7

## 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional orest Officer Cuttack Forest Division

161

Jindal Stainless Limited Jindal Chromite Mines

At / PO: Kaliapani - 755 G47, Dist. - Jajour, Odisha, India
T: +91 6726 268545, F: +91 6726 268315, E: jindal\_mines@yahop.com
Registered Office: D.P. Jindal Marg, Hisar - 125 ODS. (Haryana) India.
Corporate Office: Jindal Centre, 12, Bhikarji Cama Place, New Delhi - 110 O66, India
T: +91 11 26188345 - 60, F: +91 11 26170691, 26161271, E: info@jindalsteel com, Website: www.jindalsteinless.com



ANNEXURE - B/I

8 F 6 | 8 | 2022





OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS: ANGUL CIRCLE, ATTEO. HARIMPADA, ANGUL. 759143, ODISHA, Phone 06764-296010 (O), 296011(Res), Emul Id: rectingui@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 findal Chromite Mines of M/s- Jindal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Apporoval 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 :

| St. No. | Condition No | Name of the scheme   | Financial outlay.<br>(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<br>other water bodies located within 5 Km<br>from ML boundary.  | 37,26,000/-                |
| 5.      | B(xiv) (a)   | Mitigative measures to minimize soil crossion 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 Dates, retention /<br>toe walls to arrest sliding down of the<br>excavated material along the contour.   | 16,03,505/-                |
| 6.      | B (xiv) (d)  | Stabilization and reclamation of Over<br>Burden Dump area by appropriate grading<br>/benching in accordance with the approval<br>schemic so as to ensure that angles of<br>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

Memo No. 3311 Idated. 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 @ Q7.2622, of the DFO, Cuttack Division.

Encl: As allowe.

Regional Chief Conservator of Forests

Memo No. 3312 Gated 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



Annexure- 2/1

## 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

**Authorised Signatory** 

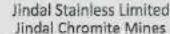
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Arest Officer Cultack Forest Division





At / PO : Kaliapani - 755 047, Dist. : Jajour, Odisha, India T +91 6726 266545, F : +91 6726 268315, E : Jindal\_mines@yahso.com Registered Office : O.P. Jindal Marg, Hisar - 125 005, (Haryana) India Corporate Office : Jindal Centre,12, Bhikaiji Carra Place, New Delhi - 110 066, India





Annexure- 3/11

### 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

Authorised Signatory

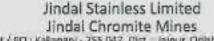
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





At / PO : Kakapani - 755 047, Olst : Jajpur, Odisha, India

T +91 5725 768545, F : +91 6725 768315, E : Jindal\_minos@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar : \$25 005, (Haryana) India

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

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



ANNEXURE - B/IV

5F Bor 6/8/2022





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

Email Id: reclangul/cgmail.com.

Memo No. 3310 / 5P.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(li) of Forest (Conservation) Act, 1980 in respect of Jindal Chromite Mines of M/s- Jindal Stabiless Limited in village Kaliupani under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Apporoval 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.

| SI. No. | Condition No | Name of the scheme  | Financial outlay. |
|---------|--------------|---|-------------------|
| )       | 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<br>species and sowing of seeds in the<br>appropriate area within the mining lease to<br>arrest soil erosion.  | 13,89,665/-       |
| 5,      | В(хіу) (с )  | Construction of Check Dams, retention /<br>toe walls to arrest sliding down of the<br>excavated material along the contour.   | 16,03,505/-       |
| 6.      | B (xiv) (d)  | Stabilization and reclamation of Over Burden Dump area by appropriate grading Abenching 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 1.399 hs  | 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.

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Regional Chief Conservator of Forests

-2-

Memo No. 3311 Idated, 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 recessary action with reference to Memo No.4277 dated 04.07.2022, of the DFO, Cuttack Division.

Encl: Avabove.

Regional Chief Conservator of Forests

Memo No. 331 Adated. 06-8-29

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



Annexure- 8/11/

## 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Votest Officer Cuttack Forest Division



Jindal Stainless Limited

Jindal Chromite Mines
At / PO : Kallapani - 755 047; Dist : Jajpur, Odisha, India
T : +91 5726 268545, F : +91 6726 268315, E : jindal mines@yahoo.com

Registered Office : O.P. Jindal Marg, Hisar - 125 G05. (Piaryana) India. Corporate Office - Jindal Centre, 12, Bhikaiji Cema Place, New Delhi - 110 065, India.

T +91 11 26188345 - 60, F : +91 11 26170691, 26161271, F Info@jindalsteel.com, Website : www.jindaistanless.com







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

Email Id: rectangula email.com

Memo No. 33 0 15F.FC-18/2022 Dated. 06-8-22

To

The Divisional Parest Officer. Cuttack Forest Division.

Sub:- Proposal for diversion of 66.20 ha of forest land (including safety zone area of 1,899 ha.) under Seotion 2(ii) of Forest (Conservation) Act,1980 in respect of Findal Chromite Mines of M/s. Jindal Stainless Limited in village Kaliapuni under Sukinda Tahasil of Jajpur District under Cuttack Forest Division. Apporoval of schemes.

ReE- 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 .

|    | Condition No | Name of the scheme   | Financial outlay.<br>(Rs.)   |
|----|--------------|--|--|
|    | A (vi)       | Afforestation of non-mineralized virgin forest land within the mining area   | 12,77,229/-  |
| ). | A(x)         | De-silting of existing village tanks and other water bodies located within 5 Km  | 37,26,000/-  |
| 3. | B(xiv) (a)   | from ML boundary. Mitigative measures to minimize soil erosion and chocking of streams.  | 6,40,000/-   |
| 4. | B(siv) (b)   | Planting of adequate drought hardy plants<br>species and sowing of seeds in the<br>appropriate area within the mining lease to | 13,89,665/-  |
| 5. | B(xiv)(c)    | Construction of Check Dams : retention /<br>toe walls to arrest sliding down of the  | The second secon |
| 6. | B (xiv) (d)  | Stabilization and reclamation of Over<br>Burden Dump area by appropriate grading<br>(benching in accordance with the approval  |  |
|    |              | repose at any given place is less than 28°.  Management of Top soil.   | 3,54,420/-   |
| 7. | B(xiv) (c)   |  | 70,29,980/-  |
| 8. | B(xv) (a)    | Safety zone area over L899 ha  | attention.   |

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.

Inservator of Forests Regional Chief AAngul

## 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 64.07.2622, of the DFO, Cuttack Division.

ench As above.

Regional Chief Conservator of Forests.

Memo No. 33/2dated 06-8-29

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

Regional Chief Conservator of Forests



Annexure- B/V

## 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 Steinless Limited

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Falst Officer Cuttack Forest Division



Jindal Stainless Limited

Jindal Chromite Mines

At./ PO: Kalispani - 755 047, Dist. Jajpur, Odisha, India I - +91 5726 258545, F. - +91 6726 268315, E. jindal mines@yahoo.com Registered Office I D.P. Jindal Marg, Hisar - 125 005. (Heryane) India.

Corporate Office | Jindal Centre, 12, Shikaiji Cama Place, New Delhi - 110 066, India T | 491 11 26188345 - 50, F | 491 11 26170691, 26161271, E | Info@jindalsteel.com, Website | www.lindalstainless.com





Annexure- ⊕/√″

## 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

bestimity asetniane labority

Authorised Signatory (Shib Sankarshan Mahanta)

**Authorized Signatory** 

COUNTERSIGNED

Divisional Aust Officer Cuttack Forest Division



Jindal Stainless Limited Jindal Chromite Mines

At / PO : Kaliapani - 755 047, Dist. : Jajpur, Odisha, India T : +91 5726 268545, E : +91 6726 268315, E : µndal\_mines@yahoo.com Registered Office : O.P. Indal Marg, Hisar - 125 005. (Haryana) India.

Corporate Office - Jindal Centry, 12, Bhikaiji Cama Piace, New Delhi - 110 066, India







Annexure-

### 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

Jineal Stainless Limited

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division



Jindal Stainless Limited

Jindal Chromite Mines

At / PO : Kaliaparii - 755 047, Dist. : Jajpur, Odisha, India T: 491 6726 268545, F: +91-6726 268315, €: jindel mines@yahtto.com Registered Office: O.P. Iindal Marg, Hisar - 125 005. (Harvana) India.

Corporate Office Jindal Centre, 32, Bhikaiji Cama Place, New Delhi 110 066, India







Annexure- P///

## 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

Jineal Swingers Umited

(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, F : jindel mines@yahoo.com Registered Office : O.P. Jindal Marg, Histor - 125 005. [Haryana] India.

Registered Office: 0.P. andal Marg, Hisar - 123 005. [Haryana] India. Corporate Office: Jindal Centre, 12, Bhikaiji Cama Place, New Delhi: 110 066, India

T +91 11 26188345 -60, F -+91 11 26170691, Z6161271 E Info@jindalsteni.com, Website ' www.jindalstainiess.com



ANNEXURE - BITX 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-, nodat.pecfnott@odisha.gov.in / nodal.pecfodisha@gmail.com Memo No. 6343 /9F (MG) - 377/2019 Dated, Bhubaneswar the 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 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 Athunallik Forest Division penaining to the above project has been approved by CCF (FD & Nodal Officer, FC Act) at prevailing wage rate of Rs.326/- per manday unmounting to Rs 3,81,94,200/- (Rupees three crores eighty one lakhs ninery 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 ponal 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. Copy forwarded to the RCCF, Angul Circle for information & necessary action in continuation to this office Memo No. 8266 dated 13.04.2022.

P.T.O

Conservator of Forests (Node)

| Memo No.  | Dt           | 41                            | 1,2   |
|---|--------------|-------------------------------|---|
| Copy alongwith a copy<br>Officer, Athmallik Forest Divi<br>Encl - Revised financial outli | sion for inf | rised financia<br>formation & | al outlay forwarded to the Divisional Fores<br>necessary action |
|   | 7.           |                               | Conservator of Francisco  |

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

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 Tahasii 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 Jajpu-District of M/s Jindal Stainless Steel Ltd.

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

| SL<br>No. | Description   | Amount (Rs.)  |
|-----------|---|---|
| A,        | PLANTATION ACTIVITIES: (To be deposited in Adhoc-CAMPA)   |   |
| 1.        | @ 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<br>@ 100 nos, per ha @ Rs.65,20 per staggered trench over<br>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<br>Kms @ Rs.4,19,331/- per ha / 250 Rmt with 10 years<br>maintenance (As per approved one-time cost norm for CA)                                  | 1,71,08,705,00  |
|           | Total   | Rs.3,71,94,132.00<br>Or rounded off to<br>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) Olo PCCF & HoFF, Odisha, Bhubaneswar.

File



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

> Memo No Dated, BBSR, the

BHUBANESWAR-751023 April, 2022

The Divisional Forest Officer Cuttack Athamatlik Porest Division

- Sub: Proposal for non-forestry use of 66.20 hu forest land (including safety zone area silely 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 Kuljapani and Forest Block No.27 of Mahagiri DPF in Sukinda Tahasil of Jajpur District under Cuttack Forest Division-regarding
- Memo No.6449/ FE & CC dated 02.64,2022 of OSD-cum-Special Sucretary to Government in FF & CC Department

In inviting a reference to the above vited correspondence of OSD-cum-Special Secretary to Govt. In FE&CC Depti. to your address, you are requested to take necessary action in the matter of its earliest. The financial outlay for CA Scheme over an area 65,645 ha of non-forest Covi, land identified in village Serenda, Khamara, Badabahai, Gunthapada and Luhamunda under Kishorenagur Tahasil of Handapa Ranje of Athamatlik Forest Division pertaining to the above project amounting to Rs.3,25,85,600/s (Rupees Three crore twenty five tashs eighty five thousand six hundred) only has been approved by CCF (FD & NO, FC Act) at the wage rate of Ro 3135-per man day with 10 years maintenance. The approved financial earlies of the above project somelessed herewith for information and necessary action. The DFO, Curanek Forest Division is requested in raise demand on User Agency in respect of deposit cost of Compensatory Afforestation through web-ponal of MoFF& CC.

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

In view of above, you are requested to famish the required compliance as adjusted to Part-A 112 Now, 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 (i) forest land to the user agency by the State Forest Department has the compliance in form of undertaking shall be submitted prior to Stage-II approval) conditions imposed by Got. Mod.F & CA New Delhi in their Stage-Fin-principle' approval order No.8-68/2009-FC(pt a dated 29.03/2022 and report on violation of FC Act. 1980 if any vide their terrer under reference to this office immediately through your RCCF for onward transmission to Government of India, MoEF & CL. New Delhi.

Chief Conservator of

Forest Diversion & Nodal Officer, FC Act

Contd.,P/2

| 6266 13104.2022  |
|--|
| Memo No Copy forwarded to the Principal Chief Conservator of Forests, (WL) & CWLW. Odisha for Copy forwarded to the Principal Chief Conservator of Forests, (WL) & CWLW. Odisha for Information & necessary action with reference to FE & CC Depti. Memo No 6448 FT & CC   |
| dr. D2.04.2022 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 & pecessary action with reference to FE & CC Deptt.6449/FE&CC dt.02.04.2022 to his address.  |
| Chief Conservator of Forests   |
|  |
| Momo No. 8 267 Dt 12. 0 4 200 2  Momo No. 8 267 Dt 12. 0 4 200 2  Logy (ofwarded to the Steel & Mines Department/ Revenue & Disaster Management)   |
| Depart and / Director of Mines, Odisha Director, Environment-cum-Special Secretor, in  |
| Collector, Angul for information & necessary action with reference in the Collector with refer |
| Chief Conservator of Forests Forest Diversion & Nodal Officer, FC Act  |
| Memo No. 8 108 Dt. 13. 64.2022  Memo No. 8 108 Dt. 13. 64.2022  Memo No. 8 108 Dt. 13. 64.2022   |
| and a deal to the Ambreway Summers, M/s Jindal Mathless Eld. Appro-Kanapani.   |
| Dist-Julpur, Odisha, Pin-755047 for information and necessary aution with reference to FE & CC.  Deptt, Memo No.6451/FE&CC dt.02.04.2022 to his address.   |
| WATE 1244)   |
| Memo No. 8269 Dt. 13:14:2000   |
| Memo No. Di. Superintendent of Copy forwarded to OSD-Cum-Special Secretary to Covernment, FE & CC Department for Information and necessary action with reference to that Deptt. letter No.10F(Cons)58/2021-6447/   |
| FE & CC duted 02.04.2022   |
| Cirto Conservator of Forests   |
| Forest Diversion & Nodal Officer, FC Act   |

1 30

Financial Outlay for Compensatory Afforestation Scheme over an area of 65.645 ha of non-long a warment land identified in village Screnda. Khamara, Badanshui, Clonthapada and Luhamonda once: Kishore Nagor Tahasil of Handapa Rouge of Athenaliik Forest Division of Angul District in tied of diversion of Lamen PRI of Jamankin (WL) Range of Bantra (WL) Division under Sambajan District in tied of diversion of forest land for Jandal Chromate Mines. Kaliapan in Sokinda Range under Japun District of M/s Jindal Stainless Steel Ltd.

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

| SI. | 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) | 1,00.26,257.00  |
| 2,  | Still Conservation Measures:  |   |
|     | (i) Cost of staggered trench of size 2.5 mt X 0.5 mt. X 0.5 mt. X 0.5 mt. (ii) (iii) nos: per htt (iii) Rx.63.00 per staggered trench over 65,645 ba                          | 4   5.564 00  |
| 4   | (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 coch over 65.645 ha                                      | 14,30,206.00  |
|     | Total (1+2)   | 1,20,64,027:00  |
| 3.  | Add Escalation Cost (20%)   | 24.72,865.00  |
|     | Total (A)   | 1,44.76,832.00  |
| A.  | Cost of Angle Iron & Chain Link wire mesh fencing over 10.2<br>Kms @ R5.4,19,331/- per ba / 250 Rms with 10 years<br>maintenance (As per approved one-time cost norm for CA)  | 1.71,08,705.00  |
|     | Total   | Rs.3,15,85,537,00<br>Or rounded off to<br>Rs.3,15,85,600,00 |
| B.  | INFRASTRUCTURE (To be provided in kind)   | To be been a dealer   |
| 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  |

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

Approved

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

Forest Discount & Stock College Forest



Annexure- E/IX

## 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

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Corest 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 : Endal Centre, 12, Bhikarji Cama Place, New Delhi - 7 10 066, India
T +91 11 25188345 - 60, F : +91 11 25170691, 26161271, E : info@jindalsteel.com, Website : www.jindalsteinless.com





Annexure-



## 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 Jindai Stainless Limited .

For Jindal Stainless Limited Jindal Stainless Limited

**Authorised Signatory** 

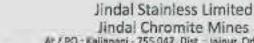
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Salest Officer Cuttack Forest Division





At / PO : Kaliapani - 755 047, Dist : Jajpur, Odisha, India T=+\$1 6726 268545, F=+\$1 6726 268315, E=jindal\_mines@yahoo.com Registered Office D.P. Jindal Marg, Hisar - 125 005. (Haryana) India Corporate Office : Jindal Centre, 12, Bhikaliji Cama Place, New Delhi 110 066, India \*\* +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E info@jindalsteel.com, Website ' www.jindalsteinless.com





Annexure- P/XI

#### 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

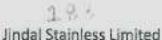
Authorised Signatory

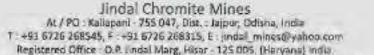
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Corest Officer Cuttack Forest Division





Registered Office - O.P. Undal Marg, Hisar - 125 005. (Hervana) India.

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





Annexure- 8/X1!

#### 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

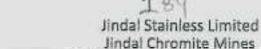
Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Porest Officer Cuttack Forest Division



At / PD : Kaliapani - 755 D47, Dist | Jajpur, Odisha, India
T : +91 6726 268315, F : +91 6726 268315, E : Jindal\_m nes@yahou.com
Registered Office | O.P. Andal Marg, Hisar - 125 005, [Haryana] India.
Corporate Office | Jindal Centre, 12, Bhikaiji Cama Place, New Oethi - 110 066, India
T : +91 11 26188345 - 60, F : +91 11 26170691, 26161271, E : Info@jindalsteel.com. Website : www.jindalstainless.com



BY REGD PARCEL



भारत सरकार GOVERNMENT OF INDIA खान मंत्रालय MINISTRY OF MINES भारतीय खान ब्यूरी INDIAN BUREAU OF MINES क्षेत्रीय खान नियंत्रक के कार्यालय OFFICE OF THE REGIONAL CONTROLLER OF MINES



Phone: 9674-2352443 Tele Fai: 0574-2352440 Fixed to Oneugrostheat Quart partir Plat No. 149: Polifications 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

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 Chromice 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:

1. 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 taws 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 fornished 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

(हाबलाल राजर)

(बाबुलाल गुजर) क्षेत्रीय खान नियंत्रक

Copy for kind information to:-

1. The Controller of Mines (EZ), Indian Bureau of Mines, CP-13, Sector V, Salt Lake

City, Kolkarta- 700 091 by mail.

 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 गुजर) क्षेत्रीय स्थान नियंत्रक



Annexure- B/ X1"

### 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

JIMEN Swinless Limited

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division

189

Jindal Stainless Limited





ANINE YUKE -





OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE, AT/PO. HAKIMPADA, ANGUL. 759143, 00158A, Phone-06764-296010 (O), 196011(Rech.

Email Id: ccclangulanmail.com

Memo No. 33 0 / SF.FC-18/2020 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. Apporaval 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.

| St No. | Condition No | Name of the scheme  | Financial outlay, (Rs.) |
|--------|--------------|---|-------------------------|
| 1      | A (vī)       | Afforestation of non-mineralized viegin forest land within the mining area.   | 12,77,229/-             |
| 2,     | V(z)         | De-silting of existing village tanks and other water badies 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<br>species and sowing of seeds in the<br>appropriate area within the mining lease to<br>arrest soil erosion.  | 13,89,665/-             |
| 5.     | B(xiv) (e)   | Construction of Check Dams, retention /<br>toe walls to arrest sliding down of the<br>excavated material along the contour.   | 16,03,5054-             |
| 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 Magul

Memo No. 3311 Idated 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

Memo No. 3312 dated. 06-8-29

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

## SCHEME FOR MITIGATIVE MEASURES

TO

MINIMIZE SOIL EROSION

8

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 MoRF & 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 ballia 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-PC (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 Singe-I approval, the User Agency shall take up "Mitigative seasures to minimize sail crossion and chaking 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 M.L. area of the above said Mines.

The said ML area finds place within the Latitudes: 21° 01'50.68" (ML Boundary pulse No. 18) - 21° 02'03.5" (ML Boundary pillar No. 11) North and Longitudes: 85° 45'39.48" (ML Boundary pillar No. 18) 85° 45'30.76" (ML Boundary pillar No.11) East in the Survey of India Topo Sheet bearing No. 18) 85° 45'30.76" (ML Boundary pillar No.11) East in the Survey of India Topo Sheet bearing No. 18) 85° 45'30.76" (ML Boundary pillar No.11) East in the Survey of India Topo Sheet bearing No. 18) 85° 45'30.76" (ML Boundary pillar No.11) East in the Survey of India Topo Sheet bearing No. 18) 1945N16 The area exhibits an undulated topography with varying elevations from ± 121 meters to ± 202 meters above Mean Sea Level (AMSL). The ML area bears a common boundary with Kaliapani Chromite Mines of TSML in west and Nagin Mahagari Hill Ranges towards south of the ML area.

The mining and ancillary activities may convert this area prone to soil crosion by creating reels and guillies on united out pit benches, had roads; on the surface-soil and on the bank of the natural succurs. Such guillies eventually may widen and occupy large tract of the slope and cause considerable sail loss and flooding the valley bottom with considerable silintion ducing mins, the expused soil will not allow percolation of ramwater to charge the ground water table. Consequently, the seasonal area 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.

ISL has already constructed adequate retaining wall of 1087 rate around the waste dump and Gatland drains of 2815 rate, around the waste dump and side of haul road. Further to stabilise the waste dump JSL has already covered with plantation over 12.08 be 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 rate of retaining wall and 1200 rate, of Garland Drain as well as \$0.100.(One) of settling tank proposed to be constructed to check the soil erosion and choking of streams.

#### PACTORS 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 crosson observed in this region include mainly rect and gully types of crosson. The storm water/ runoffs from the hills, robe faces, sub-grade dumps and OB dumps/ slope areas easily substantial amounts of solids in the lower order streamlets generally choke the higher order streams. These lower order streamlets and gullies have prone to crosson 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 crode by underentting their banks resulting in mass-wasting processes like slumps or slides. When the underent 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:

- ii) In compliance with the stipulated condition No. B xiv (a) of the Stage 1 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 chock 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 vegetarive 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 parland drain around the dumps and road sides. As per the current practice, check doms (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-sitting, before monsoon.

The following activities are proposed to be taken up to mitigate soil erosion and choking of streams:

- There are no seasonal streams inside the M.I. boundary,
- b) Freston from O.B. dump slope areas shall be controlled by providing retaining walks, gardnel drains, loose boulders structures, settling tanks etc along with plantation. The main purpose of the works is to control soil crosson 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 crosson.

Separate schemes, to plant "Drought Hardy Species" within ML area is being prepared to arrest soil crosson. For construction of Check Dam, Retention/Toe walls to arrest sliding down of excavated material, and to stabilize OB damp have been prepared. There is about 1.30 has area which is annable or plantation inside the Mining Lease. Soil & Moisture Conservation measures shall be done by constructing Loose Boulder Check Dams in the guillies and small streams in the mining lease area. The Clause Dams have been constructed at about every 25 mtr. interval of gartand 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 verying in length depending upon the size of gullius , estimate has been prepared to arrive an average cost per meter of Loose Boulder Check Dam.

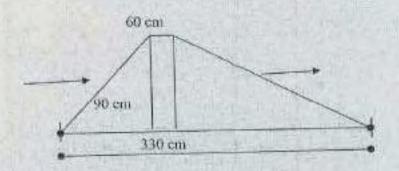
Estimate for Loose Boolder Check Dam is enclosed as Annexure-L.

#### 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 90 cm whichever is higher.
- Reries of check dams should be constructed on the gullies. Bottom level of Cheek 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 crosson starts and move downwards.
- > Cheek Dam should be constructed where the gallies are narrow and the bank is sainthly having strength. The tendency of constructing big cheek 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.mlr x length of check dam in mtr. For example, as per the drawing shown above, the volume calculation for a 2.5 mlr long check dam will be as under:
- .'voss section:

Foundation 4.5 mtr x 0.25 mtr = 1.125 sq.mtr

Super structure (3.3m + 0.6 m)/2 x 0.9m= 1.755 sq.mtr

1.755 mtr + 1.125 sq.mtr = 2.88 sq.mtr

Volume = 2.88 sq.mtr x 2.5 mtr = 7.2 cub. mtr.

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

Velume of cheek dams of different lengths can be calculated accordingly.

Estimate of a standard loose boulder check dam is furnished at Annexure-1

#### INSPECTION, MONITORING AND EVALUATION

For successful implementation of the above indigative measures, adequate inspection and technical and measures adequate inspection and 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 Lakis Forty Thousand only) only as abown 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 aprox 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./<br>Quantity          | Rate                                 | Amount             |
|--|---------------------------|--------------------------------------|--------------------|
| Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough thressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.3 m. in depth (per 100 cnm.).   | -                         | 326,00                               | 14818.00           |
| 2% sundries and T & P etc.   | Total                     |                                      | 280,36<br>14298,36 |
| Rough stone dry packing in aprons and revenments with hard granite stones (15 to 30 cm size) per cum Granite broken stone 1 cum.  Mason (Special)  Stone packer  Mutin  2% sundries, T & P etc.  | 1<br>0.17<br>0.35<br>1.04 | 507,96<br>476,00<br>366,00<br>326,00 | 339.04<br>20.78    |
| A STATE OF THE STA | Total                     |                                      | 1076.80            |

Estimate for construction of Loose Boulder Check Dam
Length of Loose Boulder Check Dam 2.5 Mrs.

| Beign of Loose bounder Cheek I   | ram 2.5 Mir |                   |                              |
|--|-------------|-------------------|------------------------------|
| Particulars of work  | Volume      | Rate in<br>Rupoes | Total<br>amount in<br>Rupee. |
| Earth work in hard or gravelly soil within 50m. Initial lead and 1.5m. Initial lift including rough dressing of clods to maximum 5 cm. to 7 cm and laying in layers not exceeding 0.5 m in depth.  Dressing the side of banks and foundation on L.S.  Rough stone dry packing in aproos and revelments with hard granite stones (15 to 30 cm size) per cum Rough stone dry packing in aprons and revelments with hard granite stones (15 to 30 cm size) per cum. | LS          | 200,00            | 200,00                       |
| Foundation 4.5 mtr x 0.25 mtr = 1.125 sq.m<br>Super structure (3.5mx0.6m)/2x 0.9m=1.755 sq.m<br>1.755 sq. mtr + 1.125 sq.mtr = 2.88 sq.mtr<br>Volume = 2.88 sq.mtr x 2.5 mtr = 7.2 cu.m<br>Total   | 7.2 cm m    | 1076.80           | 7752.96<br>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<br>Required<br>(in Rs.) |
|--|------------------------------|
| Loose Boulder Check Dams over 200 Running Metres in gullies and streams within the mining lease area @ Rs 3200:00 per Metre. |                              |
| Total  | 6,40,000.00                  |
| Rupees Six Lakh Forty  | Thousand only                |

Entrack Forms Officer Cuttock Forms Distance

Approved & RE 640,000/-

Regional Chief Conservator of Forests, Angul Circle.

ANNEXURE





OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE, A 17PO- HARISIPADA, ANGUL. 789143, ODISHA, Phone-06764-296010 (O), 296011(Res), Email Id: recfangulægmail.com.

Memo No. 38 0 / SF.FC-18/2022 Dated. 0.6 -8-22

To

The Divisional Forest Officer, Cuttack Forest Division:

Subj. Proposal for diversion of 66,20 ha of forest fund (including safety zone area of 1,899 ha.) under Section 2(ii) of Forest (Conservation) Act, 1980 in respect of findal Chromite Mines of M/s- findal Stainless Limited in village Kaliapani under Sukinda Tahasil of Jajpur District under Contack Forest Division. Appuroval 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. | Sl. No. Condition No Name of the scheme |   | Financial outlay.<br>(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<br>other water bodies located within 5 Km<br>from ML boundary.   | 37,26,000/-                |
| 3.      | B(xiv) (a)                              | Mitigative measures to minimize soil<br>crossion and chocking of streams.   | 6,40,000/-                 |
| de-     | B(xiv) (b)                              | Planting of talequate drought hardy plants<br>species and sawing of seeds in the<br>appropriate area within the mining lease to<br>arrest soil erosion.   | 13,89,665/-                |
| 5,      | H(xiv) (c)                              | Construction of Check Dams, retention /<br>toe walls to arrest shiding down of the<br>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) (c)                              | Management of Top soil.   | 3,54,420/-                 |
| S.      | 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 AAngul

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 Fomospal 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.

Finel As above.

Regional Chief Conservator of Forests

Memo No. 3312 dated 06 8-29

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

#### SCHEME

FOR

### PLANTING OF DROUGHT HARDY PLANT SPECIES

AND

SOWING OF SEEDS

IN

THE APPROPRIATE AREA WITHIN
THE MINING LEASE

OT

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. B (xiv) (b) of the Stage-Librest Clearance granted by MoEF & CC; GoVt. of india vide F.No.8-68/2000-FC (pt) date 29.03.2022)

#### 1. INTRODUCTION

Stage-LF.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 Stainlins Limited has been accorded vide F Mo. H-68/2000-FC (pt) date: 29,03,2072 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 Mt area finds place within the Entitudes: 21° 01'50.68° (ML Boundary pillar No. 18) = 21° 02'03.5° (ML Boundary pillar No. 11) North and Longitudes: 85° 45'39.48° (ML Boundary pillar No. 18) = 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 ± 17) meters to ± 305 meters above Mean Sea Level (AMSL)

The Mines forms a part of Sukinda Ultramatic Complex which is the largest Chromite deposit of India.

The ML area bears a common boundary with Kaliapani Chromite Mine (Balasore Alloys Limited) in East Sukinda Chromite Mines of TSML in the west, and the Mahagiri Hill Renges towards south of the ML area.

Findal Chromite Mines over an area of 89.0 ha for extraction of chromse ore and for captive 000 of findal Stainless Limited. It is situated in Suldeda valley. It is flanked by Daltari hill range on the North and Mahagiri hill range on the south. The artitude within the lease area ranges between  $\pm$  120 m to  $\pm$  305 m above mean sea level. The area represents an undulating topography, North towards the west. The bottom and top RL of the billock in the southern portion of the lease 162a are  $\pm$  170 m and  $\pm$  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 Odishe, finished ore and beneficiated ore shall be despatched to its own caption Plant.

The mining and ancillary activities may prone to intensive soil erosion by creating renis and guillies on mined out pit benches, on the surface of Q.B. dump, on the shoulder of haul roads, on the and on the bank of the natural streams. Such guilles may wider and occupy large tract of the slope and cause beavy 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 peternial 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 89,00ha of ML area, about 81.66 ha is under utilasation 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.

Dut 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 of 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        | Azadirachta indica | Meliaceae |
| Karanja     | Pengamia pinnata   | Fabaceae  |
| Dhamana     | Grewia tillifalia  | Tillaceae |
| Banyan      | Ficus Benghalensis | Moraceae  |
| Aswatha     | Ficus religiosa    | 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 ) @ 1909 PLANTS PER RECTARE ( 18 Months on serial m)

| II MCGCL                              | BLOCK         |
|---------------------------------------|---------------|
| J. NO. OF PLANTS PER HA.              | 1,660         |
| TOTAL AREA TO BE PLANTEDON HA.        | 1,3           |
| 4. SPACING TO BE ADOPTED              | 2.686cX2.5Mit |
| 5. YOYAL HOS. OF PLANTS TO BE PLANTED | 2,010         |
| G. Wann Rain [Per MD]                 | 376.00        |

| 1 1 | our of Works   | Parical of<br>execution   | Mandays    | Entroper Clean | Cost      | Total in Hs. |
|-----|--|---|------------|----------------|-----------|--------------|
|     | 1  | -   | 4          | 0              | 6         | 7            |
| 1.1 |  | ting Operat   | on (6" Yes | el .           | -         |              |
|     | Surroy, Cermiroscon and Filler Poeting   | Newforc   | - 11       | 652-00         | 6         | 862,80       |
| 1   | Properties of Topoliners Map (Deput Map)   | Novillac  | - 1        | 356,80         | 100       | 428.00       |
| -   | Tith preparation (Chaining & removal of debrace)   | MoviDec   | 12         | 2,917-000      | - 01      | 2,912.65     |
| 9   | Continued 4.00 at wide limp will at Part   | (refs/Mes   | 1          | 720 Dil        | D: 1      | - D20-D3     |
|     | Alegament just stacking of just  | FeloNifor   | 2          | 0.90 0.0       | 0         | 0.52,345     |
| Œ.  | (rigging of two rist can't 45 cm x 45 cm; in here 6 support) and   | Fictionary  | .64        | 20,804.00      | 0         | 20,000,00    |
| r,  | Cores unten of Temporary Lebest Error Dimiting<br>eater Locity and First Aid atc.  | Jordan  | 1          | 0.66           | 2400      | = \$500.00   |
| 7   | Yotalir  |   | 82         | 26,782.00      | 3,660.00  | 30,332,00    |
| В   | Martining, Speliation, Leatining, Decidentalian a any other Contingency open 5% of the folial  | 11  | 13         |                |           | 1617         |
| Ŀ   | 900E   | -   |            |                |           | 35,049,00    |
| _   | Grant Tetal;   | t Yeart Plan  | ting Value |                | -         | T. SCHOOLS   |
| è   | Incoming of side his attention the abugued pool of the   |   | mile real  | 71             | 1         | 1            |
| į.  | plia, application of Corporal compounds/ COM FYM & month the barrier property.   | Junilinot.  | 12:        | 1.049.00       | 8,000.00  | 11,912,00    |
| 1   | Françostation of 15 minute oil plopped southing in raiset work stacks from the Permitten Magnatory for (farming the providing loading to animality).  [Average road of 10 februs & stacking the simpling see Ru 64 par Sampling, 11 (00 nos.)  | July Wat  | 0          | 0.00           | 4s per ce | 71.990.00    |
|     | Website of accept teachings at planting size   | Julyland  | 5          | 11791.00       | 19.00     | 97a.001      |
|     | Conversion of pospet sandrigs on Field to from the stacking rate to included dupon of parties for parties for parties of parties of services for services to service above to present the services as present of the property around the planted sandrings.  | ts<br>(i)<br>(ii)<br>(iii)<br>(iii)<br>(iii)<br>(iii)<br>(iii)<br>(iii) | -40        | 11,736,00      | 36.60     | 11,236.38    |
|     | Cost of Sections & Imperiod des-<br>(a) NPK / Bo-fedures (550 gons plant as has<br>lose - 10 to § Ra 30-per kg < Ration 60<br>(b) Uneal Vermicompass/ Ma Khatar any off<br>Festives in two subsequent doses (2 Re 750 40<br>(c) Immissional Respectición (3 G great plant-<br>log (3 Tration) per kg = Re 750 00 | duly (Auty  | 6          | 700            | 4.000 110 | * 600.00     |
| -   | 6   Circuity Replacement (8 10% (100 nos.)   | July (Au)   | 8          | 1,504.00       | 0.00      | 1,505.0      |
| F   | 7 Let Vilvoting & Manuring   | A00/501   |            | # Rhite de     | 0.00      | 4,8000       |

0

|       |  |           |               |  | +1-1   |          |            |
|-------|--|-----------|---------------|--|--------|----------|------------|
| and   | Vicenting, Self-working (1mt. Dismetra strantid  | Ochilley  | 20            | 6,520.80   | 93     | 90       | E,520.00   |
| 100   | county) and Makening<br>line mining (2 m. white the later ower 400 m.<br>) locality extensionance of impaction path.   | Febrikar  | 3             | 571.00   | bi     | 100      | 575.00     |
| VIII  | ub & Ward Including wavering as put  | Asq-Mire  | 32            | 3,912.00   | 4      | - 1 A    | 3849.00    |
|       | Total:-  | 7         | 105           | 34230  | 23     | 360      | 57,590.60  |
| Ma    | railwing, Enrychition, Learning, Discussionalistics<br>any other Contingency upon 5% of the cold   |           |               |  |        |          | 2,860.00   |
| (XV   | Geard Totals   | -         |               |  |        |          | 83478      |
|       | Vn.  | a Year Mi | Intenance     |  |        | -        |            |
| E-04  | responsition of 100 seedings from Birmany to<br>mission rate including leading seriorating &<br>overprise by Sector & Raidin per seeding.  | 3.1       | 0             | 0.05   |        | 10:00    | 985,00     |
| 10    | aumhy Replacement @ 12%  | 34        | 4             | 7,304.00   | 1      | 9.00     | 1,354 (43) |
| 0(223 | out of Fertilizer & Inschilder-<br>0 Cost of translated Bespectived (I) is given<br>not - 0.5 kg (I) Re.150) per kg - Re.754<br>() Lived NPK/ Bracheldran's Vermiconcest' (A<br>relationy the hydroxy (I) 88, 2000 | T PANDONE | 0             | n,aa   | 43     | SC81/60  | w,600,00   |
| 10    | Needing (Committe Westing), Marcong & So<br>policy Clina Char the amount the plants)   | Sopina    | 29            | 7,550 00   | -      | 0.00     | u,578/00   |
| 100   | ce the two-ray (2 m wide the time river 450 m<br>mg) instruction multiplication of implication path  | i-eh/Mi   |               | 178.00   |        | 1.00     | 314 HO     |
|       | Watch 5 World Including violating are p  | Apr.Mi    | 10            | 5,000.0  | 0      | 6.04     | 5,000.00   |
| 7.    | Maintenance of Yemporory Leavest Start, Existent<br>value facility and Feat-Add etc.   | ig        |               |  |        | 07.000.1 | 1,086.10   |
|       | Tota   |           | 45            | 14671  | 0 6    | 565.00   | 71236      |
|       | standaring, Lestarino, Learning, Documentali<br>A and plear Confingency upto \$55 of the 50  | 00        | 1             | 4  |        |          | 1062       |
| Д     | Crank Total  | also.     |               | THE STATE OF THE S |        |          | 27794      |
|       |  | 3rd Year  | Maintenance   |  |        |          |            |
| K     | Cost of unities (Unit 1997 the-limit photostoroposis No. Kitalial any other by Naza)   |           | 0.4           | 10.00  |        | A ASSECT | 4,405.00   |
| 3     | (Weeding Marching & Sill evolution 1)  |           | Dol II        | 8330   | 00     | 9.00     | n n/oxal   |
| 3     | Fair him fracting for mindle fire time over 400 minutes and management of importance points.   | Felia     | Air J         | she  | 60     | 630.     | D(4.00     |
| 14    | Volum & Want besteless wateress as   | 1100      | idae 1        | 5.80   | 150.   | 0.00     | 5 366 00   |
| -     | Manuscripte of Temperary Librar Ened, Designation specific and First Addisc.   | Apr.      | keja :        |  |        | 1,000,00 | 11/00/00   |
|       | To   | tivite    | 4             | 12.28  | E.00   | 5,435,00 | 18.552.00  |
| 1     | Mocalizing Evaluation, Learning, Decament  | total     |               |  | 1      |          | 541        |
| 1     | Grand To   |           |               | 0 6 1  | -E     |          | 19,795.0   |
| -     |  | 4th Yea   | w Misinteniao | Car.   | -      |          | 1          |
|       | Fire time tracking (2 m. whee the fire over 4)<br>and tracking markenings or minedian pe   | th Pet    | 99Apu         | N 571  | 5.00   | ii mi    | 3(8.00     |
| 1     | Visitor & Visit including municipance of fee   | chrij Ap  | Mac           | 10 5.01  | GE DIO | 0.00     | £,998.0    |
| 1     |  | otat:     | 1 1           | 21 5,86  | 45.00  | 0        | 6,846,0    |
| 1     | T.   |           |               |  |        |          | 10000      |
| 1     | Monitoring Evidentian Learning Documents & any other Contriguety upto 5% of the  | tition    | 1             |  |        |          | 342        |

|  | Year Maint                              | penance      |          |        |               |
|--|---|--------------|----------|--------|---------------|
| ne time traceing (2) in , wide the time over 400 en<br>oughly wich ding interneuse of engoschers path  | Fishter                                 | 1            | 076-00   | inion. | -SVESS        |
| March & Word Including maintenance of familing   | App-Mar                                 | 16           | £ 801 CE | 0.00   | 5,869.00      |
| Total:-  |   | -21          | 0,846.00 | -11    | 6.846.00      |
| Manicano, Explorer Learning Occurrentation<br>is any other Contengency opto 5% of the total  |   |              |          |        | 342           |
| Grand Jotak  | 1,                                      |              |          |        | 7,494.00      |
|  | Your Mair                               | tenance      | -        | 1      |               |
| Fig. the storing C2 in, was fire live cost 400 in temperature of respective paths  | Febblar                                 | 1            | 871.00   | 0.007  | 109-04        |
| Principle of beneficial Sugary sax of multiple   | darintar                                | 5-           | r,050,00 | 6.00   | 1,630,00      |
| Visite's Ward valuding relief enumer of toychig.   | App-Mar                                 | TAN-         | 6,858.00 | 0.00   | 3,086,00      |
| Totals   |   | 26           | 1,476,00 | 0      | 0.474.00      |
| Moderne, Evaluation, Learning, Documentation of any other Confesquincy upon 5% of the term   | - Pi                                    | MI O         |          |        | 424           |
| Grand Total:   |   |              |          |        | 8,900,00      |
| 1  | th Your Na                              | Intenaorin   | 1        |        |               |
| tive time tracing (2 in, wide five time over 400 in easign) according maintenance of expectation paths   | Femilia                                 | 15 1         | NFE 00   | 0000   | 578.00        |
| which & every holding maintaname or hinday   | Nor-Mar                                 | 18           | 5,665.00 | 0.00   | 5,858,00      |
| Total  |   | 21           | 6,846.00 | .0     | 6,546.00      |
| Absolution Estimates Legency, Documentate<br>E any other Contingency upon the of the for   | D)                                      |              |          |        | 342           |
| Grand Total  | 100                                     |              |          |        | 7,188.00      |
|  | Eth Year M                              | sintenance   |          | -      | -             |
| Fire the vector of m. extra fee any new hold<br>benging activiting newspeciants of impecian published  | in February                             | 3            | 978.00   | 0.00   | 10.00         |
| Water & Ward Indiana (numbers on floating  | hersh                                   | v 10         | 0,688/00 | 10,00  | \$,901.00     |
| Top  |   | 21           | 5,646,00 | 0      | 0,246.00      |
| Distributing Restudder, Learning, Documental<br>is any other Contenuery up to \$3, of the to<br>good   | 55,00<br>55,00                          |              |          |        | 342           |
| Grand Tot  | olia .                                  |              |          | 1      | 7,188.00      |
| The state of the s |   | Maintanence  |          | -      | 4             |
| Fire the turing (2 m. was fee fee for ever 400 i long) streeting manufacture of inspection pain  | Fish                                    | ie 3         | 0/21/00  | 0.00   | 679.00        |
| Water & Wall the bridg marriestones of heres   | Av-A                                    | ter to       | E 588.00 | 0.00   | 9,858.70      |
|  | me:-                                    | 21           | 6,840.00 | 0      | 6,846.00      |
| Mindows, Evaluation, Learning, Oscimental Science Confingency upto 6th of the  | ricui<br>intol                          |              |          |        | 342           |
| Greend To  | tuli-                                   |              |          |        | 7,168.00      |
|  | 10th Year                               | Ministenance | 10       |        | -             |
| Fire two tracing (2 in looks fire from your 40 leadth) including animheration of including properties of   | om Febr                                 | ida 3        | =79.60   | 9.66   | 978.50        |
| Watch & Ward including maintanance of time   | ino nev                                 | May 18       | in not a | 0.00   | 5 hai te      |
|  | state.                                  | 21           | 8,848.0  | 0 0    | 6,846.0       |
| Montoring, Evaluation, Limiting, Document<br>3 in any other Contriguous upts 5% of the   | total                                   |              |          |        | 342           |
| (48)   | 100000000000000000000000000000000000000 |              |          | 178.7  | The second of |

| -          |  | TOTAL.                 | COST FOR 1 h              | A.         | -  |  | Total Point         |
|------------|--|------------------------|---------------------------|------------|--|--|---------------------|
| 51.<br>Ho. | Year   | No.<br>person<br>clays | Ealous Cost<br>gg Rs.3261 | (Rs.)      | Marchering<br>Evaluation,<br>Learning,<br>Decumental<br>on and other<br>Consingency<br>(5%) of (445) | Cost of<br>Sondlings (8)<br>Its 52 17710-<br>per seedlings | Total Goot<br>(Rs.) |
|            |  | -10-                   | 100722                    | 3400       | 1517   | 0  | 21 540 61           |
| 100        | 10th yest  | 105                    | 34236                     | 18160      | 2880   | BILLIANO.  | 1.53,301.11         |
| 1          | intyier-   |                        | 14870                     | 8998       | 1052   | 834634   | 30.845.7            |
| 3          | 2ml year   | 45                     | 18362                     | 5286       | 543  | II.  | 19,755.0            |
| 11         | 13rd year  | 41                     | - 6846                    | 1 6        | 347  | 0  | 7,169 0             |
| 5          | 49h Vines  | 21                     | 5840                      | 13         | 342  | 10.  | -7. TUT. R          |
| O.N        |  | 21                     |                           | 0          | 943<br>347<br>342<br>474   | .0   | 9,500,0             |
| 1.7        | 1670 YESE  | 365                    | 8479<br>8949              | - 0        | 342  | -0   | 7,4650              |
| Th         | 7th year   | 21                     | 0140                      | 0          | 3/12   | U  | 7,100.0             |
| 7.0        | Bills year   | 21                     | 6646                      | P.         | 341  | 10   | 7,482.0             |
| 113        | The state of the s | 27                     |                           | - 1        | 342  | D  |                     |
| T          | ALCOHOLOGICA   | 425                    | 1,38,550,0                | d 19,012.6 | the second second  | 1,00,480.03  | 2,86,626.6          |

| 10. | Vear         | YTAL PROJECT COST FOR Jan. Custom Cost M Manikrys @ He-3390  |             | (Ha.)                    | Contingency  | Cost of<br>Supplies 5<br>Bu 52.17/1/-<br>per semblings   | Total Circl<br>(Risk) |
|-----|--------------|--|-------------|--------------------------|--|--|-----------------------|
| -   |              | 105.00   | 54756.6     | E30 00                   | The second secon | 0  | A1,4(9,70             |
| 10  | OUT year     | 136,60   | 46400       | 1/03/56 60               | 3724.00  | Committee Assessment or Committee Co | 1,97,000 2            |
| 2   | TOP YOUR     | 59.50  | 19071       |                          | 1380.0   | 10852.04   | 18 870 2              |
| 1   | Sugarant .   | 53.200   | 133/6/8     | 7131                     | 1220.6   | 0  | 25.733                |
| 40  | 2kg Argit    | 23.26  | Selah S     |                          | 384.0  | 0  | 5,0450                |
| E   | 300/9000     | 27.32  | - 2500      |                          | 444.5  | U  | 3.7413                |
| h   | T/IT Year.   | OF LO.   | 110.16.1    |                          | 051.5  | B  | 2.0 (\$25)            |
| D.  | BIF Year     | 27.70  | 8699        |                          | 494.5  | 0  | -D_300                |
| æ   | 76) year     | 27:30 -  | Cebs        |                          | D Avet 1   | . D  | 9,790                 |
| ¥   | IIII Year    | 1730   | TREAT H     | -                        | 11 4561  | p-   | H-TA-                 |
| 10  | Win Yes!s    | 27.38  | 0,000       |                          | 0 644  | 0  | 6,361                 |
| ti  | 130th year   | No. of Concession, Name of Street, or other Persons, Name of Street, or ot | 1,50,145.00 |                          | 9 71,541,40  | 1,20,254,04  | 3,72,600              |
|     | Grand Total: |  | 1,33,115,00 | The second second second | The state of the s | The second secon | 3,72,606.             |

(Rupees Three Lakh Severity-Two Thousand Lis Hundrest Six ) Only

| Teral Coxt                                 | (W Years)  | 280020   | 32(920 | 333395   | 354895       | 312639     | 391271    | 410835     | 431377      | 452946  | 475563       | 499513      |               |
|--|------------|----------|--------|----------|--------------|------------|-----------|------------|-------------|---------|--------------|-------------|---------------|
| F 1  |            |          |        | 長い       |              |            | 7         | 中          | 7 2         | 8       | 78           | 6           |               |
|  | 1          |          |        | No. to   | The state of |            |           |            | 10          | 1       |              | 18164       |               |
|  | A PA       | N. S. C. | Sec.   | の形とは     | 100          | おりの        | 1400G     | 100        | 127         | 10000   | 11789        | 14/10       |               |
|  | The second | 100      | 1000   | 100      | 1            |            |           | 40         | 15          | 16435   | 25,535       | 2000        |               |
|  | XVIII      | Sec.     |        |          |              |            | 1         |            | 10401       | 1075    |              | 16-536      |               |
|  | XXI        | 1        |        |          | 1            |            |           | 1.4042     |             |         | 19045 15461  | 18801 15801 |               |
|  | 20         |          | -      |          | おいから         |            | - Section | 19230      | 1900        | 1       | 1000         | 1 61475     | Tan.          |
| With .                                     | MIN.       | 7        |        |          |              |            |           | 1500e      | 99009       | # TO TO | 1072         | 3346        | The same      |
| Conventional Phononica (AR) 1600 plants/Ha | MIN        |          | 2018   | 17/1     | 1            | 12909      | 2903      | 5000       | 2005        | 59.63   | 851          | 2000        |               |
| AP. 16                                     | 見          | 1        | 300    |          | 1            | 11         | 10704     | 12294      | _           |         | 506          | 33826       | 15210 (12524) |
| merion                                     | N          | V        | 1155   | - 768    | 11305        | 1,168      | 11.306    | 1,000      | 11758 - 1   | 17708   | 32242        |             | 248063        |
| and Phin                                   | No.        |          | 8      | 13. 15   | 10           | 11151. [11 | 1380E 4   | 11111      | 1131 1      | 4       | いのな          | 14          | 49488 (2      |
| evention                                   |            | -        | 2188   | To.      | 0 FA 11151   | GIO.       | 8         | 1          | 計           |         | 25%          | [3]         | 4             |
| 100  | T IX       | 100      | 2188   | 1, 10620 | 1 10626      | 411119     | GE941 3   | 4 (10820   | 39346       | がは五古    | S 225/19     | 47075       |               |
| Matter for Model                           |            |          | 2288   | 10134    | 12821        | 10114      | 2000      | NAGE.      | 204099 43 E | 21450   |              | 1           |               |
| at the                                     | 11.4       |          | 6000   | 190007   | 9833         | 5550       | 34527     |            | 104099      | 1990    |              |             |               |
| W  |            |          | 3116   | 2776     | ORTH         | TWO.       | 50813     | 192530     | Ankatt      |         |              | To the      |               |
|  | - 1        |          | 2014   | 0101     |              | 27361      | -         | 18         |             | ST.     |              |             | 100 P         |
|  | -          |          | Ħ      |          | 60%          | 80         | Section 1 |            | 1           |         |              |             | To the        |
| 4  | 使に         |          | T      |          |              | 213        | 2 67      | 30         |             | 1       |              | 100         |               |
| 1  | N 3        |          | -      | Strade   | _            | Territ     | #1 75 E   |            |             | 1       |              |             |               |
| 1 7  | 17.19      |          |        | STAIR    | 1,99013      | 13450      |           | THE PLANTS | -           |         | The state of | 1           |               |
| N. K.                                      | 10         | 1        | MB.    | والتث    | 31849        |            | 100       | M          |             |         |              | 1           |               |
| 1  | asympton   | rement   | Lear   | menge.   |              | 02-23      | 30.00     | 2772       | 355.55      | 9-57    | 200          | 25.00       | 030-31        |

| Soil & Conservation    |  |
|------------------------|--|
| Preferable             | The second secon |
| Period of<br>Execution | Total Cost<br>(Rs.)  |
| ion)                   |  |
|                        | 0  |
|                        |  |
| LECO,                  | 20,215,00  |
|                        |  |
| ti Apirlui             | 3,032,00   |
|                        |  |
| April April 1          | 3,032.00   |
|                        |  |
| Ape/Jul                | 1,032.00   |
|                        |  |
| a. Apt/Jul             | 3,032,00   |
|                        | 32,343.00  |
|                        | Period of Execution ion)  Trench, LECD, slope & Apr/Sept  t. Apr/Int  Apr/Int  Apr/Int  Apr/Int  |

|             | Abstract for I ha.   |                 |                            |                  |                    |  |  |  |  |  |
|-------------|----------------------|-----------------|----------------------------|------------------|--------------------|--|--|--|--|--|
| SL.<br>Nov: | Year.                | No. person days | Labour Cost (ii) Rs. 326/- | Material<br>Cost | Total Cent<br>(Rs) |  |  |  |  |  |
|             | 0 <sup>th</sup> Year | 0               | 0:00                       | 0.00             | AF00               |  |  |  |  |  |
| 1           | i* Yene              | :0              | 0.00                       | 20,215:00        | 20,215.00          |  |  |  |  |  |
| 3           | 2 <sup>cd</sup> Year | 0               | 0.00                       | 3,032.00         | 3,092.00           |  |  |  |  |  |
| ort .       | y Year               | .0              | 0.00                       | 3,032,00         | 3,032.00           |  |  |  |  |  |
| 3           | 4th Year             | 0               | 0.00                       | 3,032,00         | 3,632.00           |  |  |  |  |  |
| 6           | 5 Year               | 0               | 0.00                       | 3,032.00         | 3,032.00           |  |  |  |  |  |
| 100         | Tota                 | 1               | 0.00                       | 32,343.00        | 32,343.00          |  |  |  |  |  |

| Abstract for 1:30 ha. |  |                 |                                    |                  |                    |  |  |  |  |
|-----------------------|--|-----------------|------------------------------------|------------------|--------------------|--|--|--|--|
| St.<br>No.            | Year   | No. person days | Labour Cost @ Rs. 326/-<br>per day | Muterial<br>Cost | Total Cast<br>(Rs) |  |  |  |  |
| 1                     | 0 <sup>dl</sup> Year   | 0               | 0:00                               | 0.00             | 0.00               |  |  |  |  |
| 7                     | 1 <sup>st</sup> Vene   | 0               | 0.00                               | 26279,50         | 26,279.50          |  |  |  |  |
| i                     | 2 <sup>nd</sup> Year   | 0               | 0.00                               | 3941.60          | 3,3241,60          |  |  |  |  |
| 34                    | 3" Year  |                 | 0,00                               | 3941.60          | 3,941.60           |  |  |  |  |
| 5                     | 4th Year   | 0               | 0.00                               | 3941.60          | 3,941.60           |  |  |  |  |
| 6                     | The state of the s | - 0             | 0.00                               | 3941.60          | 3,941.60           |  |  |  |  |
|                       | Tota   | /               | 0.00                               | 42045.90         | 42,035.90          |  |  |  |  |
| 97                    | OF   |                 | W. D. January Street Brown         |                  | 42,046.00          |  |  |  |  |

(Rupees Forty-Two Thousand Forty-Six )only

| 1                                       | -   | 68  | 600   | 43   | 35   | 346   | 6918        |   | 100        |  |            |
|---|---|---|---|--|--|---|-------------|---|------------|--|------------|
| Tetal Cost<br>(19 Years)                | 32343   | 35634   | 32415   | 39286  | 4E250  | (E)(3)  | 45478       | 47752   | 50140      | 52647  | 55279      |
| S                                       |   | TF ON   | 74  | N. P.  |  | 12.00   | 1           | 3   | 100        | To.  |            |
| X                                       |   | Alle S.   | 1   | To the   | 10   | V.  | 7000        | 100   | 100        |  | ij         |
| XDX                                     |   | (P)   |   |  | 10   | The second  | 3           | 163   | 100        |  | 411        |
| III-V3                                  |   |   | 100   |  | TO SERVICE SER | 10  | 10          | 13  |            |  |            |
| C IIIA                                  | 100   | Ser.  | -   |  |  | 100   | 2           |   |            |  | 単語         |
| E                                       |   |   |   |  |  |   | 100         | 70  | 意思         |  | The second |
| 1000                                    |   |   |   |  |  |   | 7.          | が   |            | 100 A  | 100        |
| 1 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 10  |   | 100   | 影  | 5  | 13  | 程           | 3   |            | 13/5   | 960        |
| 4.530                                   | 15:   | 2   | 118   | 1  | 5  | 100   | のは          | 1   | 明年         | 57.17  | 1217       |
| 200                                     | 100   |   | 200   | 100  | 40   | 3   |             | 100   | -          |  | 443        |
| 1-10-100                                |   |   | 1   |  |  | 100   | 1000        | 31816   | 5186       | 5186   | 3886       |
| N.                                      |   |   | 1   | 100  | 0.0  | 10  | 4930        | 4930  | 4939       | 4555   | 32928      |
| ×                                       |   |   | 1   |  | Salan.   | 4700  | 4504        | 1704  | 4704       | 31380  | D.         |
| R                                       |   |   | 100   | 1  | DS#  | 084   | 780         | 480   | 9857       |  | Ser.       |
| 事                                       | 8   |   | 100   | 1266   | 100  | 286 14  | 41.0        | 244S  | A          | 9  |            |
| 7                                       | 100   |   | 130   | 500  | 20   | 590   | 8           | 2   | 0          |  |            |
| 2                                       | 982   | 870 p   | 870 14  | 875 14   | 5  | 5800 14   | 12          | 0   |            |  | -          |
| 1 10                                    |   | MM)   | 强   | 腰  | 150.60   | 1.0   | 0           | ALC:  |            |  |            |
| 2011 H                                  | DER:  | 30  | 100   | 630  | 24   | 0   |             | の記  | 是家         |  | 遊          |
| -                                       | 25 363  | 5%  | 13 333  | 200  | 0  | 190   | 1           |   | 100        |  |            |
| _ E                                     | 303   | 10000   | 202   | 5.0  |  |   |             |   |            |  | 1          |
| (H)                                     | 2021  | 2123  | ms.   |  | 100  | 80  | DE LOS      | -10   | The second | 1  |            |
| 5 4                                     | 0   | 0.7   | 15.00   |  |  |   |             | 8   |            |  |            |
| Commo                                   | S North   | 2021-2  | 2022-2  | W23-2  | 2024-23  | 0025-23   | 2-970       | 027-28  | 008-33     | 029-30   | 030-31     |
| Na.                                     | Bris  | STO   | 17  | 7.   | 4  | 1   | 9           | 50  | 46         | 6 6  | 10 2       |
|   | Comment of H III H N V N VI VII VIII IX X X X X X X X X X X X X | Comment I II III IX V VI VI VII VIII IX X X XI XII XI | Comment of Hi III III III III III III III III III | Comment   II   III   III   IV   V   VI   VIII   IX   X   X   X   X   X   X   X   X | Comment   11   11   12   15   15   15   15   15  | Comment   Fig. 1   Fig. 1   Fig. 2   Fig. 3   Fig. 3 | Comment   T | Comment   Fit   Fit | Commercial | Commeted   Fig. 10   Fig | Comment    |

d

\* 1

#### Water Model-W-II Water provision to Plantation Diesel Pump set with Bore weil (I pump set + Bore well for 5 ha plantation), Wage Rate (in: 326/-Year of Installation (0th Vear) 1,50,000,00 Cost of Bore well 60,000,00 Cost of Diesel pump Set 5 HP 30,000.00 Diesel pump set & accessories like. 15,000.00 Water Storage Tanks/ Flexible pipes 2,55,000,00 Total) Cost of Water per Plant(2,55,000/5000)=Rs.51/-51,000 au Cost of Water per Ha = Rs:51 0004 1" Year Watering Recurring expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000= 21,000.00 Watering 1600 plants (Nov-Mar) @200plants/MD with7 days rotation 32 MD x 52,160,00 5Month=160 MDx326= Total 73.160.00 2<sup>rd</sup> Year Watering Recurring expenditure i.e. Diesel Mobil, Engine Oil, Etc for pumping Water-21s (000= 21,080,00 ø Maintenance of pump set etch 15% of the lightlation Cost 7,650.00 Wittering 1600 plants (Nov-Mar) @200plants/MD with? days rotation 32 MD\* 8 81,456.00 39 Month-256MDx326-Found 1,12,106.00 3rd Year Watering Recurring expenditure i.e. Diesel, Mobil, Englan Oil, Etc for pumping Witter-21x1000-21,000.00 Maintenance of pump set erofal 5% of the installation Cost 7,650.00 Watering 1600 plants (Nov-Mar) @200 plants/MD with/7 days rotation 12 MD\* \$ 83,456,00 Mmith=256MDx326= Total 1,12,106.00 4" Year Watering Recurring expenditure i.e. Diesel. Mobil, Engine Oil, Etc for compling Water-21x1000-21/000,00 Maintenance of pump set etcart 5% of the installation Cost 7,650,00 Watering 1600 plants (Nov-Mar) @200plants/MD with 7 days counties 32 MD\* 8 R3, 156 ho Month-256MDx326-Total 1,12,106,00 5th Year Watering Recovering expenditure i.e. Diesel, Mobil, Engine Oil, Etc for pumping Water-21x1000= 21,000.00 Maintenance of pump set etel 15% of the installation Cost 7,650,00 Watering 1600 plants (Nov-Mar) @200plants/MD with7 days rotation 32 MD\* 8 83,456,00 Month=256MDx326= Total 1,12,106,00

| Abstract for I ha. |                      |  |                                   |               |                  |  |  |  |  |  |
|--------------------|----------------------|--|-----------------------------------|---------------|------------------|--|--|--|--|--|
| SL<br>No.          | Year                 | No. person<br>days   | Labour cost @ Rs,326/-<br>per day | Material Cost | Total cost (Rs.) |  |  |  |  |  |
| T                  | 0th Year             | 0  | 0.00                              | 51,000,00     | 51,000.00        |  |  |  |  |  |
| 2                  | 1st Vent             |  | 52,160,00                         | 21,000,00     | 73,160:00        |  |  |  |  |  |
| 3                  | 2 <sup>nd</sup> Year | 1000   | 83,456.00                         | 28,650.00     | 1,32,106,00      |  |  |  |  |  |
| 4                  | 3 <sup>rd</sup> Year | -  |                                   | 28,650,00     | 1,12,106.00      |  |  |  |  |  |
| 5-                 | 4º Year              | The second secon | 83,356,00                         | 28,650,00     | 1,12,186.00      |  |  |  |  |  |
| 6                  | 5 <sup>th</sup> Year | -  | 83,456.00                         | 28,650.00     | 1,12,106.00      |  |  |  |  |  |
| -                  | Total                |  | 3,85,984.00                       | 1,86,600,00   | 5,72,584.00      |  |  |  |  |  |

|           | Abstract for 1.30 hr. |                    |                                   |               |                   |  |  |  |  |  |
|-----------|-----------------------|--------------------|-----------------------------------|---------------|-------------------|--|--|--|--|--|
| SL<br>No. | Year                  | No. person<br>days | Labour cost @ Rs.326/-<br>per day | Material Cost | Total cost (its.) |  |  |  |  |  |
| 12        | n" Year               | 0:0                | 0.00                              | 66,300.00     | 66,300.00         |  |  |  |  |  |
| 2         | T <sup>n</sup> Year   | 208.0              | 67898.00                          | 27,300.00     | 95,108,00         |  |  |  |  |  |
| 3         | 2 <sup>of</sup> Year  | 232.8              | 108492.80                         | 37,245.00     | 1,45,737,80       |  |  |  |  |  |
| 4         | y" Year               | 332.8              | 108492,80                         | 37,245.00     | 1,45,737.80       |  |  |  |  |  |
| -5        | 4 <sup>th</sup> Year  | 332.8              | 168492,80                         | 37,245.00     | 1,45,737.80       |  |  |  |  |  |
| 6         | 5" Year               | 352)               | 108492.80                         | 37,245,00     | 1,45,737.80       |  |  |  |  |  |
|           | Total                 | 1539.5             | 501779.20                         | 2,42,580:00   | 7,44,159,20       |  |  |  |  |  |
|           | 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.

| SI No. | Item of Work   | Estimated cost in<br>(Rs.)               |
|--------|--|--|
| - 4    | Block Plantation (1600 Plants/ Ha.) over 1.30 Ha<br>@3,37,995/Ha                       | Rs,4,39,393,50                           |
| 3      | Watering Model-II (Diesel Pump set Fitted with<br>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<br>Or<br>Rs.13,89,665.00 |

(Rupees Thirteen Lakh Eighty-Nine Thousand Six Hundred Sixty-Five) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

Approved for As-12,89 665/-

Regional Chief Conservator of Forests, Angul Circle.

ANNEXURE - BIXYL

5F Br 6|8|2022





OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS; ANGUL CIRCLE, AT PO-HAKIMPADA, ANGUL-289143, ODISMA, Phone-96764-296010 (O), 296011(Res), Email Id: reclangul@gmnil.com.

Memo No. 3810 / 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 Jappur District under Cuttack Forest Division. Appuroval 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.

| SI. No. | Condition No | Name of the scheme   | Financial outlay.<br>(Rs.) |  |  |
|---------|--------------|--|----------------------------|--|--|
|         | 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<br>other water bodies located within 5 Km<br>from ML boundary.  | 37,26,000/-                |  |  |
| 1.      | 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<br>species and sowing of seeds in the<br>appropriate area within the mining lease to<br>arrest soil erosion.   | 1                          |  |  |
| 5       | B(xiv) (c)   | Construction of Check Dams, retention /<br>toe walls to arrest sliding down of the<br>excavated meterial along the contour.  | 16,03,505/-                |  |  |
| 6.      | H (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

# Memo No. 3311 (dated 06 8 22

Copy slong 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 64.07.2022, of the DFO, Cuttack Division.

Enol: As abuye.

Regional Chief Conservator of Forests

Memo No. 3312 dated. 06-8-29

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

Regional Chief Conservator of Forests

# 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 JUDAL CHROMITE MINES OF JUDGAL STAINLESS LIMITED IN JAJPUR DISTRICT UNDER CUTTACK FOREST DIVISION.

#### I. INTRODUCTION

Stage-LF.C. approval for diversion of balance forest land over 56.20hr. for use of non-forest purpose in respect to findal Chromite Mines of Jindal Stainless Umited has been accorded vide F.No.8-68/2000-FC(pt), Dt. 29.03.2022 by Ministry of Environment, Forests & Climate Change subject to fulfillment of certain conditions:

As per condition No. B (xiv) (c) of the Stope-I F.C. approval, the User Agency shall take up "Construction of check dams, retention/toe walls to arrest sliding down of the excevated 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 liceso type moniture to it is sosceptible to critical. The natural slope being steep, it will contaminate the stroums down the full with sediments fluring the rain. In order to protect the slump, it is designed in such a manner that the each out should be minimum. Terrace of 20 min height with up to 20° alopes are effective. Garland drain and fletching wall at the constitution of the dump is planned and coupling too in minimum the soil erosion. The drain is observed to be maintained in regular interval. It is planned in addition to the angingening design, vegetative protection of the dump surface by plantation, once the dump is declared saturated. At the conceptual stage, the dump yard becomes statue with good forest growth over it which resembles like original vegetative cover.

foll from already commutated retaining wall of about 1087 rate around the waste down along with. Garland brain of 2815 rate including side of that road. The entire down, about 400 rate of recaining wall as well as 1200 mb, of Garland Drain and Dinos, of saithing tank are proposed to arrest alding 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 600 mtr of crated boulder masonry around the proposed OB dump. The masonry will be constructed by using wire most and small size Stones. The dimension of the engineering structure shall be 1mtr x 1mtr x 1mtr. This will prevent the slicing down of the excavated material.
- (8) The overburden shall be dumped over an area of 36,398 for 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 prispused to construct garried durins of size 2 mtr x 1.5 mtr around the proposed CO dump over a length of about 240meter on the outer side of the (bitaining wall. The estimated cost of excavation of garrand 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 loe of the proposed OB dump with dry masonry wall to arrest the sill lader 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 mm x 10 mm x 2 mm in depth. These ponds are proposed to be cleaned on regular intervals. The sketch of plan and cross section of the settling points 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

| 51.<br>No. | Particulars of interventions                | Quantity     | Financial<br>Involvement (Ga) |  |
|------------|---|--------------|-------------------------------|--|
| 1          | Development of crated boulder masonry wall. | 400 mtr      | 15,60(873.60                  |  |
| 2          | Excavation of garland drain.                | 240 mtr      | 17,139,00                     |  |
| 3          | Excavation of settling ponds.               | 1.No         | 25,493.00                     |  |
|            | Total                                       | 16,03,505.60 |                               |  |

The above item of works amounting Rs. 16,03,566.00 (Rupees Stateen 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 Offices
Cuttack Division

Approve U\_D F- 25/603505/-

Regional Chist Conservator of Forests, Angel Circ'e.

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.

Oty, 400 mtr x 2mtr x 0.3mtr

240 Cum

Expenses for excavation

240 Cum @ Rs. 66.39

- Rs. 15,933,60

2) Providing crate boulder

Bottom layer; 400m x 1.5m x1.00

= 600,000cum

Second layer: 400m x 1.00m x 1.00m = 400.00Cum

1000.00 Cum

@ Rs. 1544.94/Cum

= Rs: 15,44,940.00

Total =Rs. 15,60,873,60

Anneuure-H

# B. Excavation of Earthen drain (Garland drain) near proposed OB dump

1) E/W excavation by mechanical means.

15mtr × 10 mtr × 7 mtr

= 300.00 Cum

= 300.00 Cum @ Rs. 57.13/cum

= Rs. 17,139.00

Anriesure-III

### C. Excavation of Settling Pond near Toe of Proposed OB dump.

E/W excavation by mechanical means.

15m x30 m x 2m

= 300.00 Cum

= 300.00 Cum@ Rs. 57.13/Cum

= Rs. 17139.00

Dry masonry wall. 1 nos. x 6.00mtr x (1.60mtr+1.00mtr)/2 x 2mtr = 15.6 Cum.

Rs. 535.48/Cum

- Bs. - B353,49

Rs. 25492,49

or Say Rs. 25493.00

Grand Total (A+B+C): Rs. 35,50,873,60+ Rs.17,139.00 + Rs.25493.00 - Rs. 16,03,505.00 or my

fis. 16,03,506.00 (Rupees Sixteen Labba Three Thousand Five Bundred and Six only).

# SCHEME FOR

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°

194

66.20 HA OF FOREST LAND PROPOSED FOR DIVERSION OF JINDAL CHROMITE MINES

UNDER

**CUTTACK FOREST DIVISION** 

M/s JINDAL STAINLESS LIMITED

(As per condition No. 8 (xix)(d)of the Stage-Terrest Clearance granted by MoEF & CC vide letter No. 8-68/2000-PC (pt.), date-29.03,2022)

### STABILIZATION AND RECLAMATION OF OB DUMP AREA

#### TO INTRODUCTION.

Government of India in the Ministry of Environment, Forest and Chinate Change has granted stage-I Forest Clearance wide letter F. No. 8-68/2000-PC (pb), date: 29.03-2022 over 66-20 hit (including Safety Zone area of 1.899 ha) under Soction 2(ii) of the Forest (Conservation) Act, 1990 in respect to finite! Chinate Mines of India! Stainless Limited in village Kaliapani and Forest Block No.27 of Minhagin OPF in Sukinda Tahasil of Jajour Environment, Forest Division.

Condition No. B (aiv) (d) is as under-

"Liabilize the overburden dumps by appropriate grading / benching in accordance with the approved scheme, so as to ensure that unities 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 Andal Chromite Mines, the Lentative volume of everburden to be generated by opencast minking at the Conceptual Stage has been assessed as 2.292 million M3 (in-situ). The Conceptual Guarry area shall cover 33.883 ha out of total lease area of 89 ha. Whereas the Conceptual OB during order shall be 36.398 ha, in the conceptual period.

Similarly, the Ott generation from the ML in conceptual period has been assessed to be 2.292 million  $\omega^2$ .

In stabilise the waste domp Ed has already covered with plantation over \$2.00 no must and balance 11 had be dump area in presently active & discipling to going on Another 4.449 ha area has been legal for assets / movement of water tablets. 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 Indones area in the shrop, whosever saturated about he taken for plantation in progressive and planted manner. To area the desiliation and to avoid the tool entaint, ISI, has breaky constructed about 1002 rate of vertaining wall around the waste dump along with 28.05 may of Sacland done & along the side of Hautmont in addition to this, to stabilise the entire dump, 400 min of

retaining well and 1200 into of Garland Dialer and Olinos, of settling tank has been proposed to committee to committee the soft erosion and choking of galley.

3.0 Salient points of waste asaragement.

- For the management of dump, it is proposed to have torrace 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 use of dump slope, it will prevent the surface runoff from terract to lower contour through the walls of the dump and forming guilles / 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 pencirating to inside the dump.
- Crysted Boulder retaining wall of 2m height (0.5m below ground \* 1.5m above the ground) × 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 out the water and join the Garland drains.
- Constructed retaining wall is of loose boolders.
- Carland drains around the dump will be constructed.
- At the end of the gorfand drain settling tanks of 15m x 10m x 2m deep is constructed to allow settling of sifts.
- Slope of each terrace to be maintained < 37°.</li>
- Over all slope shall be < 28°.</li>

Anticipated fallout.

# A. Failure of Dumps:

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

- > Slope Failure.
- To Tou failure
- P Gase failure.

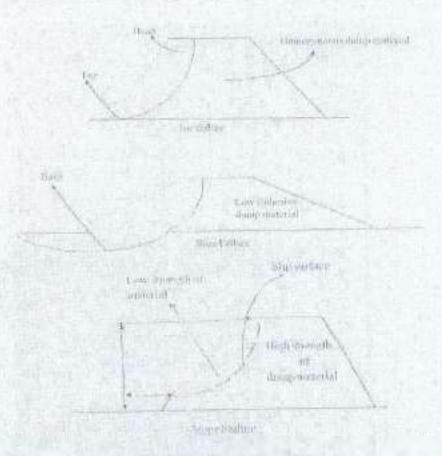


Figure 1 Dump failure line of slip.

## Reasons for failure:

- Crownd water and surface water flow condition play a critical role on the stability of down slope. Exception of trends in reduced as the height of down is raised, due to presence of water. The pure water pressure reduces the normal stress acting on malesial. The cohesive strength of weak peo-material out be further reduced due to presence of pure water pressure. Waste dump placed in a foose state, shear after its often followed by static figurefaction which reduces the strength. The flow of water may enhance the seepage force, leading to formation and migration of tension crack.
- Exosion viso plays an important role in affecting the stability by surface weathering, ground water or surface modification, ground water or surface modific frequent changes the waste dump slope geometry and morphological character. The weathering and ottrition of motorcal at the two of a potential sline reclares the restraining force that may do stabilize the slope. The sum of void filling materials, or zone of perculation can efficiently decrease colorsion among grain boundaries. The subscion 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 guilles and deep flow channels in the dump.

- th. Other affecting parameters:
- Gradient of the Slope,
- Ground Water Regime
- History of Over burden Bock
- Presence of Clay and Soil layers and their properties.
- Angle of Repose of the broken Over burden rock material
- Cohesion of the Over burden Block materials
- Height of OB Dump in one stretch
- Ultimate Height and Slope of Waste Dumit
- Dump Stability Parameters Strip / Cut Witth and Depth.

# . Dust pollution due to wind / whorl wind:

The average wind speed as nobled in past 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 speed to pick up heavy dust from dry surface of dump, one stack & subgrade stack.

# C. Loss of life & property.

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

Commany of prescription on Benching & Gradings

- > Bench height: 20nz.
- Bench Width: 20m
- Number of Benches: 4.
- Over all slope: < 28°.
- Slope of each terrage: < 37°.</li>

### ... Stabilization of Over Burden Dump:

After the declaration of saturation of the Over Borden domp, the same shall be covered by researc of phototics in a progressive and phased manner

- 4.1 By grass seeding: Grass seeding over the entire 11.85 Na of Over Burden domp shall be carried out as per following plan for next Five year period. After that plenting of tall trees are being carried out to stabilize the Over Burden domp in progressive and phased mariner.
- 6.2 By Planting Tall trees: After the dump became saturated and no further dumping will be cerried not, Plantation over entire 11.85 ho 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: Black Plantation over 11.85 ha shall be carried our @ 1000 plants / Ha. All planting & post-planting measures like casualty replacement, soil working, manuring, five

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 op plantation, the following important points shall be taken up for consideration:

- Care to be taken to raise freathy seedlings of minimum 60 cm height, 30% extra soudlings are to be raised for casualty replacement.
- Pitting shalf invariably be done during Nevermer-February i.e., before easet of moreoner. 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 pop-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 6PK and 5 grams of Chloroyriphos dust per plant should be applied at the time of planting carefully by mixing with top-soil so that the roots of secologs 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 skall be done.
- Soil-working and application of 2" dose fertifizer of 50 gms NPK / plant should be done in time.
   The plantation area shall be provided with harbeit wire fance and watch & wird.
- 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 area, the following species shall be planted:

| Name of species        | Common name  | Remarks  |
|------------------------|--------------|--|
| Alstonia scholaris     | Chhatian     | In area with good soil depth   |
| Deres indica           | Karania .    | In area with good soil depth   |
| Bombax cejba           | Simili       | to area with good soil depth   |
| Ficus benghalensis     | Banyan       | In rocky and exposed areas   |
| Dalbetgiasisson        | 515500       | in lower some with good soil depth   |
| Gmellooorborea         | Gambbart     | In lower greas with good soil depth  |
| Dendrocalamus strictus | Salla bamboo | In lower areas with good soil depth healthy seedlings from rhizomes may be planted |
| Ficus religiosa        | Aswatha      | In rocky areas with low soil depth   |

# 5.0. Manitaring & Evaluation.

The implementation & its maintenance shall be evaluated by the User Agency regularly. The Divergnal Forest Officer, Cuttack Forest Division shall be informed from time to sine.

### 6.0 Implementing Agency.

This Plan is to be implemented by the user agency,

## 2.0 Unancial Outlay

Total Financial Outlay for proposed scheme comes to Rs.1, 26, 67,330.00 (Rupees One Erore Twenty Size Likh Sixty Seven Thousand Three Handred Thirty Only.)

DIVISIONAL MOREST DIFFICER

# HASE GOLD MORREUR AFFORE STATION (AR PLANTATION) B 1000 PLANTA PER HELITARY (10 Morbin old Morbing)

| I. WORLE                              | HEOCH         |
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| Z WI OF FLANTO PER NA.                | 1,000         |
| J. TOTAL CREATORE PLANTED IN HAT      | 11.00         |
| ALSPACKET HERE ASSOCIATED.            | 0.5M/rX2.6n/o |
| IL TIMAL ROS, OF PLANTS TO BE PLANTED | 18,940        |
| II. Wage their pier wap               | 328.00        |

| = ]      | The state of the s | Paraod of<br>exception | minings  | Re 3264    | Material<br>Cost | Terhal in Re- |
|----------|--|------------------------|--|------------|------------------|---------------|
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|          |  | -2nd Amen P            | nating Year  |            |                  | 1             |
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| 10       | - 1 to 1                             | SMC  | Warles Model-C   | The same of the sa |                  |
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| THE CHIE |                                      | Itrim of work  |  | Preferable<br>Period of<br>Execution   | Total Cast       |
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|          | NAME OF TAXABLE PARTY.               |  | 3" Vear  |  | - Character      |
| 4        | Number of SE                         | C structures 69 15 %   | of initial year cont.  | Aprilul  | 3,032.00         |
| 4        | Introduced VI 1990                   |  | J <sup>th</sup> Vene   |  |                  |
|          | Instrumentative of SW                | IC structures no 15 %  | of pitial year cost.   | Apr/ht   | 3,032.00         |
| 6.       | Manufacture of CX                    | IN THE PARTY OF TH | 5th Vear   | LA LA LA   |                  |
| -        | production of any                    | IC structures on 15%   | of minal year cost   | AppOut   | 3,002.00         |
| -        |                                      | Total.   |  |  | 17,145.00        |
|          | -                                    | - 10   | - Control of the Cont |  |                  |
| SE       |                                      | The second second  | stract for I ha.   | Marriage   |                  |
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| 1        | Or Adm                               | 0  | 0,00   | 0.00   | 0.00             |
| 3        | J <sup>th</sup> Veac                 | - 0  | 0.00   | 20,215.00  | 20,215.00        |
| 1        | 241 Year                             | - 1  |  | 3,032,90   | 3,000000         |
| 4        | J <sup>ul.</sup> Year.               | 0  | Ainh   | 3,032,06   | 3.032.04         |
| II.      | d <sup>®</sup> Year                  | 0  | 0.00   | 3,032,68   |                  |
| 0        | 5ª Vent                              | 1  | 0.00   | 3,032.00   |                  |

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| -          |                       | Aliste          | nei for 11.85 ha.                    |                  |                     |
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| to.<br>No. | Year                  | No, person days | Lobour Cost (iii Rs. 326/<br>per day | Material<br>Cust | Total Cast (fix)    |
| 1          | the Year              | 0               | 0.00                                 | 0.00             | 0.00                |
| 37         | T* Year               | Ú               | 10.00                                | 239547.75        |                     |
| 1          | 2 <sup>nd</sup> Year  | . 0             |                                      | 35929:20         |                     |
| 1          | 3 <sup>rd</sup> Yerat | .0              |                                      | 35929.20         | 110000              |
| 30         | 4th Year              | D               | 0.00                                 | 35029.30         | A. P. St. Section 1 |
| 4          | 5th Year              | U               |                                      | 35929.30         |                     |
|            | Total                 | 0               |                                      | 383264.55        |                     |
|            | OR                    |                 | 0,00                                 | 203209.33        | 3,83,264.55         |

(Rupees Three Lakh Eighty-Three Thousand Two Hundred Sixty-Five )only

| -     | (13 Yesters | 31343   | Mes         | 37615      | 30266  | Sheep     | 44444 | TOTAL STREET   | 45478   | 1,7500    |             | 20147         | 5060      | (49570)        | 1  |
|-------|-------------|---------|-------------|------------|--|-----------|-------|--|---------|-----------|-------------|---------------|-----------|----------------|--|
| Î     | X           | N.      |             | 1          |  |           | F     |  | Ř       |           | Ī           | 150.89        |           | i              |  |
| 100   | ž           | N       | d           | 100        |  |           | - 1   |  |         |           | 1           | Della<br>Tale | 1         |                |  |
|       | ij.         | V.      |             | 18         |  |           |       |  | Š       |           |             |               |           |                |  |
|       | HAN         | 100     | 1           | 1000       |  |           |       |  | 1250m   | 1         | 1           | 1352          | E SHOW    |                |  |
|       |             | Tall to | 0           |            | 1  |           |       |  | il.     |           |             |               | 100       |                | No.  |
|       | 379         |         | 170         |            |  |           |       | 20   |         |           |             | Tar I         | 1000      | 1              |  |
| i i   | 袁           |         | F           | V          | K  |           |       |  |         |           |             | 1             | i         |                | 2005   |
| 12.50 | i           | Ì       | 1           |            |  |           | 10101 |  |         |           | 1           |               | 2112      | t              | 8413   |
|       | Į.          |         |             |            |  | 1         |       |  |         |           |             | 12004         |           |                | 250  |
|       | 21/2        |         |             |            |  |           | 1000  |  |         |           | 5155.2      | C1600         | -         | 3,485          | 200  |
|       | N           | 1       |             |            |  |           |       | Series and the series |         | 38758     | 2007        | Addition of   | æ         | 4559           | trickle full   |
|       | 96          |         |             |            |  | ľ         |       | F-10123  | 20      | STOR S    | 4067        | Sept.         |           | 1000           | 100  |
|       | 当           |         |             |            | DIE.   |           | 4650  | 1420   | Т       | 4480      | 4430        | Sept. 1       | -1        | 0              | STEED 15   |
|       | 114         | V.      |             |            |  | 1265      | 4216  | Section 1  | -       | \$2556 A  | 59445       |               |           |                | SCHOOL STATE   |
|       | #           | ij      | II<br>II    |            | 4063+  | 15991     | 40611 | 100  |         | 12000     |             | Ī             |           |                | Contract   |
|       | Te.         |         | 3005        | 3870       | いた。  | 2670      | 3870  | -  | DARGE.  | 100       | Ī           |               | 7         | N.S.A.         |  |
|       | 1           |         | 3087        | 5885       | 3888   | 3655      | HARRI |  | 0.00    | No.       |             |               | ALI LIN   | 7.73           | 1000   |
|       | T.          |         | 3000        | 3570       | 5440   | That      |       |  |         |           |             |               |           | Sept Charles   |  |
|       | i B         | Mar.    | 2882        |            | MILLIT   | 200       |       |  | 10      | 1100      |             |               |           | Special second |  |
|       | 10          |         | 5150        | 25236 3343 | 0.00   | 15        |       |  |         | 15 119 11 |             | ST 1720       | 12        |                |  |
|       | 15.5        |         | 107         | 0          | l  | f         | 1     |  | 1       | 1000      |             |               | 100       |                | 1  |
|       | Confident   | A. A.   | State Store | 26611.79   | SECTION SECTIO | Same of L | -     | 4 2020-23  | 2017-15 |           | T. 14828240 | TOTAL (1)     | B1254.272 | 307            | No. of Lot, Line o |

|        | Water Model  |  |  |
|--------|--|--|--|
|        | Water provision to   | Plantation   |  |
|        | thesel Pump set with Bore well (I pump set + R                           | ore well for 5 ha plantation) Wage I   | Znital   |
|        | (a) 3267-  | The state of the s | Carre .  |
| a los  | Vent of Installatio  | s (0° Year)  | -  |
|        | (80) OF 1500C Well   | 1,50,000-60  |  |
| 2 0    | out of Dieset pump Set 5 HP  | 60,000,00  |  |
|        | iesel pump en & noemaories like  | 30,000,00  |  |
| 1 18   | ater Storage Tunku/ Plexible paper                                       | 15,000.00  |  |
| 11/100 | Tutat  | 2,55,000.00  |  |
| ont al | Water per 14au (2,55,060/5000)-46(51/-<br>Water per 11a = Ra.51,000/-    |  | \$1,000.00   |
| 100    | 1" Year Wat  | ering  |  |
| 1 8    | conting expenditure i.e. Diesel, Mobil, Linging Oil,                     | The for proposition William St. Com. 1   | 21 200 00  |
|        |  |  | 21,000.00  |
| 2 5    | Fatoring 1600 plants (Nov-Mar) (9/200 plants/MD) wi<br>Menth=160 MTX326— | th7 days rotation 12 MH x  | 52,160.00  |
|        | Tetal  |  | 77 - 1 - 1 - 1 - 1 - 1   |
|        | 2 <sup>td</sup> Year-Wa  | terina   | 73,150,00  |
| 1 18   | ectiving expenditors for Disacl Adabil; Porting Oil                      | July for pumping Water-21x1000   | 31,000 no  |
| 2 /    | Limitenance of pump art etroit; the of the total stice                   | Coil   | 2,650,60   |
| 1 3    | Naterius 1600 plants (Nov-Mar) @(200)dare=041) w<br>forth= 256MDx326=    | ith7 days rotation 32 MD* 8  | 1/3,456,00   |
|        |  | Total  | 1,12,106,00  |
| -      | J <sup>rd</sup> ) car Wi   | (crime   | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW |
| 1      | ecuring expenditum i.e. Diessi, Mobil, Engine Oi                         | LE for pumping Water 21x1000-  | 21,009.00  |
| 2.1    | which change of pump set esoin 5% of the installation                    | n Corr   | 7,630:00   |
| 1      | Watertrig, 1600 plants Odos-Mary (#290 plants/MD w<br>Moreth=256MDx326   |  | 10.456.00  |
|        | 200000000000000000000000000000000000000                                  | Total  | 1.12.106.00  |
|        | 4th Year W   |  | Likacitoteito  |
| 1)     | focuring expenditure i.e. Diesel , Mobil, Pagine O                       | A Company of the Comp | 21,300,00  |
| 4      | Maintenance of pump set entire 5% of the westallation                    | on Caro  | 7,650.00   |
| 1      | Watering 1600 plants (New Mac) 56200place (ATO)<br>Months 256MDx326=     | sitte7 days retation 32 MDF-1:   | 93,456.0   |
|        |  | Total  | 1,12,106.00  |
| -      | St Your W  |  | The state of the s |
| 1      | Remening expenditure i.e. Diesel , Mobil, Engine C                       |  | 23,000.0   |
| 2      | whiletenince of pump set eteld 5% of the lestallati                      | in Con   | 7,630.0  |
| 3      | Watering-1600 plants (NoviMoc) @2200plants/MD.<br>Steady=356MDs 726=     |  | 13,656.0   |
|        |  | Total  | 1,12,106,0   |

| -1             |          |  | Alistrayt for  | No.                |                  |
|----------------|----------|--|--|--------------------|------------------|
| 75%.<br>75kii. | Vear     | No. person<br>days   | Labour cost (ii) 1/1,326/4<br>per day  | Material Cost      | Total cost (Rs.) |
| 1              | H" Year  | - 0  | 0.00   | # 40 HA . and 0.01 |                  |
| 30             | You      |  |  | 51,000,00          | 51,000.00        |
| 1              |          |  | 2410000  | 21,000:00          | 73,160.00        |
| 4              | F" Venr  | 2.56   | 19 Mar 1 at 1 Mar 1 at | 25,650.00          |                  |
|                | A. Kent  | 256  | 161 455 00   | 28,650.00          | 1,12,10a.0       |
| 8              | di Your  | -256   |  |                    | 1,12,106.00      |
| à I            | 5th Year | 256  | 07.5140.00   | 28,650,00          | 1,12,106,00      |
| -              |          | The state of the s | 0.07836500   | 28,650.00          | 1.12.106.00      |
|                | Lotal    | 1184   | 3,03,9)(4,00)  | 1,86,600,00        | 5,72,584.00      |

| -         |                      |  | Abstract for 11.                   | 85 ha.        |                  |
|-----------|----------------------|--|------------------------------------|---------------|------------------|
| SL<br>SVH | Year                 | No. person<br>days   | Labour cost in Rs 326/-<br>per day | Material Cost | Fului cust (Hs.) |
| 1         | 0 <sup>th</sup> Yess | 0.00   | 0.00                               | 6,01,350.00   | 0,04,030,000     |
| 51        | "West                | The second secon | 1263426:88                         | 2,48,850.00   | 15,17,276.80     |
| 3         | 2 <sup>no</sup> Year | The second second second   | 2019483,01                         | 3,39,502/50   | 2),68,985.51     |
| 4         | J Veni               | -  | 2025001.00                         | 1,39,502,30   | 23,68,985.51     |
| 1         | -Ph Yvar             |  | 2029183.01                         | 3,39,502.50   | 73,68,983.61     |
| 10        | 3" Year              |  |                                    | 3,39,502.50   | Z3/68/929 11     |
|           | Total                | 1  | The second second                  | -92,11,210,00 | 1,15,97,568.91   |
| -         | OR                   | 29   | 93,50,359.00                       | 22,11,210,00  | 1,15,97,569,00   |

(Burpees One Crore Piffeen Ladth Ninety-seven Thousand Five Hundred Sixty-Nine )Only

| 100    | CHALSON<br>CHANNELL | 12523 | 980939            | 1033582       | 223245  | 259482   | 10201   | 0606049      | 10000        | pedic   | - C19574 | MAN               |
|--------|---------------------|-------|-------------------|---------------|---------|----------|---------|--------------|--------------|---------|----------|-------------------|
|        | 1                   |       |                   | 2             | H       | 100      |         |              |              |         | W.       |                   |
|        | 100                 | 4     | 1                 | 犯             |         | 1        |         | 8            | 9            | 134     | ř        |                   |
|        | 4                   |       | H                 | ij.           |         | É        |         | û            | ì            |         | 9        |                   |
|        | E.                  | -     | H                 |               |         |          | 3       | H            | 3            | 9       |          | 171               |
| ė      | -                   | 1     | 1                 | ä             | H       | B        | 3       | h            | 16           | a       | i        | B                 |
|        | E E                 |       | į.                | H             | 4       | B        |         | á            |              |         |          | 10                |
|        | B                   |       | H                 |               | 1       | ij       | Ż       |              |              | Ę       | E        |                   |
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|        |                     |       |                   |               | 1       | i        | ĕ       | 4            | i.           | H       | 435      |                   |
|        |                     | E     |                   |               | B       | 纟        |         | A SECOND     | L            |         | 1        | 23.5              |
|        | 見                   | g     |                   |               | H       | B        |         | 4            | l            | 2005225 | 100      | 101109 77         |
|        | Ŋ.                  |       | Ī                 | 1             | t       | T        | T       | To House     | 101754       | S S S S |          | 100               |
| ŀ      |                     | 1     | 4                 |               | H       | ļ        | 1       |              | 100          |         | 9        | Secretary Married |
| ļ      | 42                  | ł     | k                 |               | L       |          | M       | SELECTION OF | 1000         | (mseo   |          | 1                 |
| Ì      | 34                  |       |                   |               | T       |          | 033634  | 10000        | 141          | 1       | 1        |                   |
|        |                     | +     | ł                 | ł             | H       | ŧ.       |         |              | 350          | to      | Ħ        | ť                 |
|        | . 4                 | ħ     | 1                 |               | H       | 400000   | 1       |              | 1000         |         | 900      |                   |
|        | 4                   |       |                   | Ŧ             | 1       |          | 1       |              | The state of | 2000    |          |                   |
|        |                     | 1     | 1                 | 1             |         | 10 COURT | 343     | 217          |              | -6-     |          |                   |
|        | H                   | 4     |                   |               |         |          |         | 10000        |              | 200     |          |                   |
| 100000 | 4                   |       | \$210K-1213106    | 1000          | 10000   | 142075   | LASUE . | 12000        | PS/M         | 1       |          |                   |
|        | 1                   |       | STILL ST          | 10000         | 9000    | Strong   | 100     | 1,000        |              |         |          |                   |
|        | P                   |       | 10246             | 1757          | Line of | 3965     | 58039   |              |              | 0.00    |          |                   |
|        | 1                   |       | 3113851           | 1150          | 30804   | 100      |         |              |              |         |          |                   |
|        | H                   |       | 100               | 334004 [1881] | 10000   |          |         | STEED IN     |              | 100     |          |                   |
|        |                     |       | 1000              | 1001          | H       |          | Ĭ       |              | ici.         |         |          | i                 |
|        | Water 7             | 1     | 328 Non 1300 5 81 | 202323        | 100000  | 310075   | 一切大学    | 18558        | 22,9000      | 1005/JB | 10000    | 103530            |
|        | 14                  | 大     | /ri               | 1             | Ü       | 1        | 13      | 188          | 1            | 1       | 17       | 2                 |

239

-

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.

| Hem of Work  | Estimated cost in<br>(Rs.)  |
|--|---|
| Block Plantation (1600) Plants/ Ha.) over 11.55 Ha<br>(@3,37,995/Ha                  | Rs.40,05,240,75   |
| Watering Model-H (Diesel Pump set Fitted with Bore well) over 11:35 Ha (6.63) 563/Ha | 168.82,18,721.55  |
| Suit Moisture Conservation cost over 11.35 Ha<br>or 37.415/Ha                        | Rs.4,43,367.75  |
| Grand Total  | Rs.1,26,67,330.05<br>Or<br>Rs.1,26,67,330.00  |
|  | Black Plantation (1600 Plants/ Ha.) over H.55 Ha (@3,37,995/Ha  Watering Model-H (Diesel Pump set Fitted with Bore well) over 11.35 Ha (#6,23.563/Ha  Soil Moisture Conservation cost over 11.85 Ha 6e37,415/Ha |

(Rupera One Crare Twenty-Six Lakh Sixty-Seven Thousand Three Hundred Thirty) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

Approved from 1267,330/-

Regional Chret Conservator of Forests, Angul Circle.



Annexure-

# 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

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Perest Officer Cuttack Forest Division



Jindal Stainless Limited





#### SCHEMEFOR

## 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), dated29.03.2022MoEF&CC, Govt. of India.)

#### I. INTRODUCTION

Stagest F.C. approval for diversion of balance forest land over 66-20hr 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)(e) 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 garland shall be provided all around the top soil stact.
- √ 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 mulet to proven the soil from washing or blowing away.
- Generation of Top Soil & its ntilization will be recorded in a hard bound register and copy of the same to be provided for reviewing to the nutliorities.

#### 3. Present Scenario:

Mining Lease over 89.0 ha at village Kuliapant 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 openciest mining has became limited due to space constraint. JSL has applied for mining of the blocked chromic on in benches and Safety Zone area to the MoEF & CC and Stage-1 // C approval is granted by MoEF & CC vide F.No.8-68/2000-PC(pt), dated 29:03:2022.

Hence the additional area of 3.141 in shall be mined in phased manner for extraction of Chrome ore. It is estimated that during the Mining of the proposed area, about 2000 countriop soil may be generated. The top soil produced shall be stacked at earmarked stack yard and shall be utilized in the plantation of suplings. A hard bound paged register shall be maintained in heep the record of generation and officiation 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 nonfertile soil.

#### 4. Plan for top soil management:

The topsoil management plan provides description of the soil stopping and stockpiling procedures to maximize top soil degradation and maximum availability of snights soil for functive rehabilitation within mining lease of findal Chromite Mines of M/s Jindal Stainless Equited 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 office station to and around the ML area.

The top soil inside the Mining Lease area is scartly 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 fiel/conveyance charges for technical experts shall be provided by the user agency for proper execution of this plan. Dualgettey provision of 15% of the total project cost has been carmarked on this scope.

#### 6. Budgetury 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:

| SI.<br>No. | Description of the work  | Funds Required  |
|------------|--|-----------------|
|            | Virgin lovest area from where top soil can be collected. Stripping cost 0.5ha/hr@ 1800.00. Therefore 3.0 ha cost=6.0 hm.  Total 6 hrs x Rs. 1800—10,800/- Loading & transporting cost from the site to top soil stockpiles comes to be: 2000 x (formage factor)1.8=3600 ton 3600 ton x Rs. 36/- (Loading & Transportation @ Rs. 36/ton) = Rs. 1,29,600/- Cost of leveling with 100 mmpower @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. 29,472.00   |
| 4          | Retaining wall over a length of 85 meters (Annexure-<br>II).   | Rs. 32,830.00   |
| 5          | Carland drain over a length of 90 meters (Aunexure-<br>(II).   | Rs. 1286.00     |
|            | Sub-total  | Rs. 2,56,825,01 |
| 6          | Inspection, monitoring & evaluation @15% of the total project cost   | Rs. 3F,523,90   |
|            | Total  | Rs. 2,95,349.90 |
| 7          | Price escalation (iii 20%)   | Rs: \$9,069,98  |
|            | Grand Total  |                 |

#### (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. 1, 54, 420.00 in (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.

#### 8. Monitoring & Evaluation.

The execution shall be carried out and monitored by field & Managerial staffs of M/s Jindal Stainless Limited.

Divisiona Porest Officer

Cuttack Forest Division

Approved & ps 3,94620/-

of Forests, Angul Circle.

# Estimate for sowing of grass seeds per lin-

| SI<br>No. | Cost of broadcasting of gra-<br>Purpose | No. of<br>Labour/quantity<br>of materials | Rate (in Rs.)                      | Amount in Rs.      |
|-----------|---|---|------------------------------------|--------------------|
| 1         | Spreading of good top soil              | 0.3 Nos                                   | 326.00/ Labour                     | Amp on             |
| 3         | Adding FYM and good earth               | 2 TL FYM<br>2 TL Good earth               | 500/TL FYM<br>500/TL Good<br>carth | 978,00<br>2,000,00 |
| 3         | Cost of grass send 500<br>Kg/per ha     |   | 40/Kg                              | 20,600,00          |
| 4         | Broad casting                           | 10 nos                                    | 326.00/ Labour                     | 3,260,00           |
| -         |   | EISTING FIRE                              | Total                              | 26238.00           |

Annexure-II

## Development of retaining wall near proposed Top soil dump (Length of the wall = 85 mtc.)

1) E/W excavation by mechanical means.

Qty. 85 m x 0,5m x 0.5

21.25 Cum @ Rs. 66.39 = Rs. 1410.79

Providing crate boulder. 85 m x 0.5m x 0.5 = 21.5 Cum @ Rs. 1544.94 / Cum

- Rs. 32,829.98

Say Rs. 32,830,00

Аниехиге-П1

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 Com/gr Rs. 57.13/Com

= Rs, 1285;42

Suy Rs. 1286.00



Annexure- 8 / XVIII

## 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

(Shib Sankarshan Mahanta)

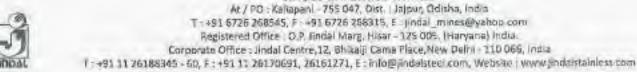
Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division



Jindal Stainless Limited Jindal Chromite Mines





## SCHEME FOR SAFETY ZONE AREA

OVER 1.899 Ha.

FOR

JINDAL CHROMITE MINES IN MAHAGIRI D.P.F. OF VILLAGE KALIAPANI IN SUKINDA TEHSII.

OF

IAIPUR 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 (tranted by MoEF &CC, Govt. of India vide File No. 8-68/2000 F.C (pt) Dt.Z9.03.2022

#### 1. TITLE OF THE SCHEME

SAFETY ZONE AREA AFFORESTATION SCHEME OF JINDAL CHROMFTE MINE OF M/S JINDAL STAINLESS LIMITED. (FORMERLY JINDAL STRIPS LIMITED)

The Govt, or India vide their latter No. 8-68/2000 F.C (pt) Dt. 79.03.2022 have conveyed the approval (Stage-I) for diversion of G6.20 Ha, in Mahagin DPF for Chromite are mining in village Kaliapani under Soldinda Tehsil of Jajpur district of Cuttack Forests Division will certain conditions. As per condition to 8 xv (a) of the above Clearance, the scheme involvement cost for fencing, projection and regeneration of safety zone area over 1.870 has a Village Kaliapani 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 pert Hall moond Forest area of 24,291,5 out of which 1.44Ha. is as Safety Zone under Mahagiri 0.P.F. in Sukinda Tehsh of Impur Distric. Stage-II Forest clearance accorded over 22,80ha vide inter no.0-60/2000-FC-2529 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 Zono area, an 20 h. was applied for Forest Clearance under Section 2 of F.C. Act, 1900 to superple approval — Stage-I Forest Clearance has accorded by MoEF & CC, Govt. of India vide 8-68/2000-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 for 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 perinsular 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, Lannaen coromondelica, Embelica officinalis, Cassia Fistula, Terridinalia bellerica, Cassia imministra. Ground floral indicated by Imperata surindinases. Anthistiria gigntia and Paula 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/Acer 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 (Albizzialebbek)
- 3. Fasi (Anogeissusaccuminates)
- 4. Sunari (Cassia fistula)
- Dalbergialatifolia.
- Neem (Azadirachtaindica)
- 7. Gambhar (Gmelinaarborea)
- 8. Piasal (Pterocarpus marsupium)
- 9. Bamboo (Dendrocalamusstrictus)
- 10. Tentuli (Tamarindusindica)
- 11. Anla (Emblica 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 WORM HAS DEEN 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

- 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.
- 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 cometo Rs.20,29,980.00(Rupee) Twenty Lakh Twenty-Nine Thousand Nine Hundred Fighty) only as shown in Annexure-

December of December of the Control of the Control

# BASE COSTNORM FOR AFFORESTATION ( AR PLANTATION ) B 1500 PLANTS PER HECTARE ( 15 Morning old succling) E NO OF PLANTS PER HA. S TOTAL AREA TO DE PLANTEDIN HA.) E SPALING TO BE ADOPTED E TOTAL NOS, OF PLANTS TO BE PLANTED D WIGH RATE (POLICIA) S WIGH RATE (POLICIA) 326.00

| il. | Hain At Warks  | Period of<br>execution | Минскур       | Badan Cort @   | Rolerni<br>Cost | Total in 195                            |
|-----|--|------------------------|---------------|--|-----------------|---|
| 4   | 2  | 3                      |               | . A  | 6               | -9                                      |
|     | Pre  | Planting Ope           | ration (0" Ya | (ai)   |                 |   |
| 1.3 | Servery, Domainston and Pilise Portog  | NoviDec                | 40            | 05200  | b               | 957.00                                  |
| 2   | Proprietion of Tunning & Mary (Clinia Mac)   | Novithe                | 1             | 7E26.0/L   | - 300           | 9.25 po                                 |
| _   | 336 preparation (Change Emmovar of reference)  | Nowther                | th            | 3.812.00   | .6              | 8,912.00                                |
|     | residence of 4 CG int wide trace-clien Balls   | Feb/Mov                | 3             | -325/20  | 0               | 2.70 (6)                                |
| 0   | Algorithm tights placking of pits  | # etnfastr             | 3             | 1152.00  | 0               | RES (90                                 |
| 6   | Engineeril projektion ein Son vid Sony bread &<br>on rolly sur   | FootMor                | 0.0           | 20,864 on  | 0               | 20.95(00                                |
| 2   | Controlsion of Telepolary tables and<br>Environmental value of the Aut etc.  | According.             | 0             | 0.00   | 3500            | 6/seath                                 |
| Ę   | Totats   |                        | 82            | 28,732.00  | 3,600,00        | 50.332.ms                               |
|     | fearth-ring Exelution, Liberaring, Excuentiation<br>6 and other Continguing upth 252 of the talks<br>cont  |                        | -             |  | -101000         | 1517                                    |
|     | Grand Total:-  |                        | Buckey Co.    |  |                 | 31,749,00                               |
| -   |  | 1st Year Pt            | antling Years | The state of the s |                 | 111111111111111111111111111111111111111 |
|     | indring of pile by intering the organized of the<br>oral representation of Organic communical orallo<br>TYM 5 moving the assess property.  | distrib)               | )Z            | 3,912,50   | e nou co        | 11.812.00                               |
|     | Comportation of the moretine of perspenticeologies in terms tracks tracked from the Printeness of the markey to place one of country marging a selection of the perspentic person than of the terms of t | Jaydes                 | Ü             | 2.00   | ritskin op      | 10.610.00                               |
| í   | Vinouing the polypot scedlings at planting size  | JulyVoin               | 3.            | 1070 ms  | tiče            | When                                    |
| 4   | Consignors of pulypol seedings on head load from the alphabes ean to individual dieg out this within the planting also replying immediate to leaves 5 planting other excepting the and with other matters restaurable. A present the and important property in planting discountries and and important property in planting associations.  | 24.000                 | 36            | 11,7,50,00   | 12.191          | 17,790.60                               |
| 4   | Cost of Ferilizor & Mancificher.  (in hight / Spollutions (150 grad pant as base one = 50 kg dp the IIII pay by A Ba (500 pm)  (i) User Verminospopi Mr. Khatel any other faritary or two outcopped was eq. Re 750 ph  (ii) invacional tay persone (3.3 grad pent) bit of two (500 pc) as a Re 750 ph  (iii) invacional tay persone (3.3 grad pent) bit of two (500 pc) as a Re 750 ph   | Shikhkan               |               | n60  | 4,900.00        | 1,000.40                                |
| 1.  |  | Julyahay               | 4             | 7.304.00   | O.mr            | 1,001,00                                |
| J.  | Tex.Weading & Montaing   | Aug/Seet               | 15            | 4,890.00   | 0.00            | 4,890.00                                |

| Grand Total:   |             |            |           |          | 7,486.00  |
|--|-------------|------------|-----------|----------|-----------|
| <ul> <li>A way other Contengency upto 5% of me total cost.</li> </ul>  | J. Libe     |            | A COLON   |          | 342       |
| Votal:-<br>Monitoring, Evolution Listering Decumentation   |             | 21         | 6,946,60  | 0.       | 6,846,00  |
| Waller & World Inchesely Interdesignation of Montag  | App. Mar.   | -10        | 5.050.50  | 6.00     | 0,006.00  |
| Fire through G. to wide fee hise over 400 m.<br>I finite including manners with inspection page.   | Pelylin     | +          | 928,09    | 910      | 978.00    |
| In the New Address of the Landscone Control of | 4th Year Ma | intenance  |           |          |           |
| Grand Total:   |             |            |           | Y        | 19,785.00 |
| Nontring, Essistation, Labring, Decumeabusing<br>& my other Contrigency light attack for the bital<br>lower.   |             |            |           |          | 943       |
| Tulut-   |             | 41         | 13,566.00 | 5,486,08 | 98,852 50 |
| Distinguish of Temporary Labour Ered,<br>Distinguisher facility and First Article.   | April Mari  |            | 1         | 1,000.00 | 7.000000  |
| Visitoria & Water including wahalong its part  | Aprilla     | 15.        | 5,664.00  | 000      | 9,000,00  |
| Fin (the special (2 to ledge the tine over sect in<br>and) including in-interpretable dispersion pain.   | Febritan    | 3          | 970 to    | outo     | 678 pe    |
| Weening , Karturey & Sist working High<br>Outstacks around the plants)   | TRESHITES   | 20)        | 6.030.00  | 0.00     | 10,655 mi |
| Cost of further (Urse NPK) Bladestonical Volume corposit My Rocket any other feditions:  | Septilin    | oncommute. | 0.00      | 4400.00  | 4,688.60  |
| Grand Tutati-  | and Year Ma | Debugge 12 |           |          | 22296     |
| in any other Contriguous spice (see as the color<br>cont.  |             |            |           | 4        | 1082      |
| Konnering, Evaluation, Learning, Economistation  |             | 45         | 54670     | 0.586.00 | 21236     |
| thereton water facility and Felsi And etc.   |             |            |           | 7,000.00 | 1,000,00  |
| Invited & Water Institution withinton as the<br>regularistic of Temporary Labour Street  | Apoplar     | 38         | 5,068.0h  | 0.00     | 0.03850   |
| enters are temporal unpurposation say turboction parts   | February    | 1          | 975,00    | 0.00     | 97/109    |
| working (but Chammin account the punits).  The third backet plant, with the law over 400 m.  | Skawjet     | 20         | 0.520.65  | (0.00    | g-mail to |
| (ii) Cost of bearginged the periods of a constraint to 5 in a) ha 150; per by = 83.751. (ii) Urasi NFR: Contentional Variation parts to standart and other for the PRANTON. Westing (Contents acculing), Manuary & Soil  | Augistaju   | į.         | 0.00      | 4.00000  | 4,606,90  |
| Cost of Fartificer & Ingresticido-   | М           | 4)         | 1.53670   | 0.00     | P4800     |
| consider size instancy leading sustaining a considering to fluctor at Place; per sending classically Replacement by 10%.   | 100         | 6          | 0.00      | Meio 00  | 960,03    |
| Interspectables of 100 alseddings from Nuriency to   | 2nd Year Me | internince |           |          | 289773    |
| Grand Total:-  | -           |            |           |          | 80470     |
| it one arrive Contengancy upto 5% of the mul-  |             |            |           |          | 2.863.00  |
| Steenberry, Evolution, Leanung, Decemberration   |             | 108        | 34230     | 23360    | 57,580.00 |
| White is Ward recluding watering the pay<br>digularitation   | Aug-Ma      | ÷2         | 7,912.00  | 0.00     | ENTERO    |
| First tree training of more last over that necessity such thing numbers asset of transaction materials.  | Pelistas    | - 3        | 548.0b    | nan      | lorwin    |
| Straind the plants) and Mechang  | Oraylin     | 20         | 0.030.00  | 0.00     | 6.600.08  |

| 11   | In the hear of a second  | 5th Year Ma    | intonance   |              |         |                   |
|------|--|----------------|-------------|--------------|---------|-------------------|
| T    | ter the tracing (2 to wide the time twee 490 m<br>(ligh) including mustignance of implession pull  | Philipping     | 4           | 978.00       | 1:00    | 974.00            |
| 1    | Vitto & Ward including manifestor of leading   | April Mari     | 18          | 15,858.00    | n.m     | 5.94× (er         |
| 4    | Total;-  | 10.0           | 21          | 6,848.00     | - 0     |                   |
| 7 P  | Certaing, Evillation, Learning, Documentation<br>one other Contingency and Se of the local<br>loss.  |                |             | 1            |         | 542               |
|      | Grand Total:-  |                | 0.000       |              |         | 7,188,00          |
| 1    | Ve the Impirit (2 v: wide the line over 400 m.)  | 6th Your Ma    | Internocu   | The state of |         | 41100.00          |
| 1    | milital incentral maintenance of inspection pain   | PERMIT         | 4.          | 078.00       | 600     | 470.00            |
| 348  | Yating of brocker, Eingling das ox matters flocts  | AMBLE          | -6          | 1,650.00     | 0,06    | Lette oc          |
| 1    | Votals & Ward incording maintercores as lunging  | Apri-Arbir     | 111         | 588896       | 0.01    | 5,669 00          |
| 4    | Totat-   |                | 26          | 9,476,00     | 0       |                   |
| 1249 | Continues. Evolution, Littering, Discontentions<br>one other Commission upon the of the total<br>red   |                |             |              |         | 8,478.00          |
| 1    | Grand Total  |                |             |              |         | When no           |
| 7    | up too bloom it a mile out   | 7th Vear Ma    | interance   |              |         | 8,900,00          |
| 1    | ne tire tracing (2 or mide fire) fire ever 400 in<br>ingre including mail the new of Inspection source   | Frieddar.      | 1           | 078.00       | 0.00    | 979,00            |
| 1    | Paten & Ward Including managements of hercing  | Aprilia        | - 10.       | 15,888,00    | - Organ | 5,010,66          |
| 1    | Fotally-<br>furnishing Evaluation Learning Decumentary   |                | 21          | 5,840.00     | 0       | 8,646.00          |
| МB   | any other Continguity opin the of the folial   |                |             |              |         | 542               |
|      | Grand Total:   |                |             |              |         | 7,189.00          |
| 1    | He are knowing of in wide his one over 600 m.  | Blis Year Ma   | interance   |              |         | 13110000          |
|      | and the property of the state o | Emblian        |             | 10 years     | 0,00    | 979.023           |
|      | ground forestending endocental leaving.  | Aprilder       | 10          | y,50a.02     | tion    | 5,000.00          |
|      | Totat  |                | 21          | 6,845.00     | 0.      | 6,845,00          |
| 5.14 | frinkring, Erabation bencary, Euclinemation<br>Law other Confedency pure fix of the lotal<br>sale  |                | T           |              |         | 342               |
|      | Grand Total:   |                |             |              | -       | 7,198,60          |
| -    | to has hedge (3 at wide the tim over 400 m.)   | 9th Year Ma    | interrance: | 1            |         |                   |
| 1    | red) including trainfendance of inspective extr  | FebAllic       | . 1         | 978100       | ô ho    | 074.00            |
| 1    | crimal to contembrate grantest braw & (rds)//  | April Blue     | 30.         | SOMETION     | 0.60    | 0.108.00          |
|      | Total  |                | 21          | 0.846.00     | n       | 0,046:00          |
| H    | Actificing, Evaluation, Learning, Decumentation<br>Construction Continuency upon title of the least<br>continuency   |                |             |              |         | 242               |
| -    | Grand Total:   | Townson Co. C. |             |              |         | 7,188,00          |
| T    | no line lipsing (2 in little line line over 400 in )   | title Year Ma  | dintenance  |              |         | The second second |
|      | math) like alog emprendess of Impection gots   | Feather        | A           | 978,00       | 6.80    | 970.00            |
|      | Finish & Ward lock, living mathematics of forcing  | Apr-Mor        | 188         | 0.668.00     | 0.00    | 5,909.00          |
| -    | Tutal:   |                | 21          | 5,846.00     | 0       | 6,846.00          |
| 3. N | Moral-edge, Evaluation, Lubridge, Documentation<br>A any other Continuous upon \$75 of the rest<br>out.  |                |             |              |         | 342               |
|      | Grand Totals   | -              |             | 1000         |         | 7,188.00          |

| W.T.                     | TO                 | TAL COST FOR               | 1.1(A)                 |   |  |                         |
|--------------------------|--------------------|----------------------------|------------------------|---|--|-------------------------|
| Rt. Year.                | No person<br>clays | Enbour Gost of<br>Pa. 3266 | Material Gost<br>(Rs.) | Monitoring<br>Evaluation,<br>Learning,<br>Documerration end other<br>Contingency<br>(5%) of (445) | Cost of<br>Seedlings (I)<br>As 52,17710<br>for Seedlings | Fotol Coal (ffe.)       |
| 1 Otrsear                | 1.10               | 26792                      | 3600                   | 1517  | -  | NAT WATER               |
| 2   ist year             | 105                | 0 (730                     | 23360                  | 2830  | 91851.70   | 34,644.00<br>795,301.70 |
| ii Fired wear            | -15                | 2.6570                     | 6500                   | 1007  | 034434   | 20,040.00               |
| 4 3/d year               | - 41               | 133/30                     | 1488                   | 943   | 0  | 10,795 00               |
| 6. African               | (2)                | 584/1                      |                        | 382   | 11   | 7,749.60                |
| A Shyear                 | 21                 | 8844                       | 0                      | 342   | 10   | 7.110.00                |
| a 7fg year               | 50                 | 9476                       | 0                      | 454.  | . 0  | II.000 m                |
|                          | 21                 | 5645                       | -0                     | 84.   | 6  | 5,765 06                |
| M Juli grate to Jam year | 24                 | 10010                      | 0.                     | 340   | n I  | 75/70E-00               |
| Et 10th year             | 21                 | 1040                       | 13)                    | 347   | 6  |                         |
|                          | 31                 | Until                      | d                      | 342   |  | F.ABROO                 |
| -Fotats                  | 425                | 1,39,550.00                | 39,012.00              |   | 1.99,580,63  | 2.06,620.03             |

| -   |               | TUTALPE | OJECT COST FO          | JFC 1.899 HA. | _  |  |                    |
|-----|---------------|---------|------------------------|---------------|--|--|--------------------|
| No. | Year          | Mendays | Re 3764                |               | MCLD & Other<br>Combiguery<br>(8%) wt (4+5)  | Cent of<br>Spodbings (f)<br>Re 52,17711-<br>per arguings | I went test test   |
| 4   | Ulli year     | 105.72  | 50764.07               | E526-00       | 2840.70  | - 10   | 85,461 21          |
| 5.  | 1st year      | 180:471 | 65dn2.77               | 46,900,64     | 649314   | 17438530   | AXMION R           |
|     | 2nd year      | &B 45   | 77868.23               | 12468.65      | The second secon | 20003-49   | 50,181,54          |
| *   | 3ld year      | 77.46   | 200000 40              | 20/17:81      | 1750.76  | B  | 37,500.70          |
|     | 4)0.99str     | 30 an   | 13000.06               | - 0           | 10.07 (8)  | 70   | 13.6500            |
| 77  | ARLYSIS       | 29.70   | 13000 55               | 0             | 545,400  | -0 -   | 15,225 (A          |
| L   | GOLVANA.      | 49, 87  | 190001,02              | 0             | 005 18   | J. D.  | 70.0010            |
| H   | 7 ft ycer     | 39.63   | \$9256,02<br>\$3000,55 | 0             | 046 66   | 1  | 115000             |
| 14  | UIII year     | 29.60   | \$3000.55              | 70            | -046.44  | - 10   |                    |
| M   | 195 year      | 16.60   | 50000,64               | - 19          | 10214 200  | - 0  | tajdhin<br>tanelin |
| 115 | Utth year     | 59.86   | 13000.56               | - 1           | 019.46   | -  | 17,600.0           |
|     | Grand Total:- | 607.6%  | 2,63,100 42            | 74,083.78     | 16,653.34  | 1,80,241,83  | 5.44,231.4         |
|     | OR            |         | 2,60,400.00            | 74,984,00     | 16,859,00  | 1,50,242,56  | 5,64,291.00        |

(Rupous Five Lash Forty-Four Thousand Two Hundred Ninety-One) Only

| -                | Total Cent<br>(30 Years) | 23,620     | 321900  | 335998    | 151809    | 372538   | 191211     | 410655   | 431303   | 45000  | 4725957    | 499373         |
|------------------|--------------------------|------------|---------|-----------|-----------|----------|------------|----------|----------|--|------------|----------------|
| 1                | XX                       |            |         | 47        |           | 1        |            |          | 7        | 1  |            |                |
| 1                | 300                      |            |         |           |           |          |            | 1113     | 4.1      | 1100   |            | \$144          |
| 1                | MX                       |            |         |           |           | 1        | -          |          |          | F 10.54  | 1299       | 807            |
| 1                | Svill                    |            |         | 100       |           | 1        |            | 10       | 1000     | 1475   | 6475 1     | 5455 1         |
| 1                | TUAN.                    |            |         | 1         |           |          | 111        |          | [695]    | 1695   | 1,1595     | 5591 1         |
| 1                | 8                        |            |         | 100       | 100       | 111      | STATE OF   | 16968    | 1,000    | 1042   | 1942 13    | SHITE 18       |
|                  | a                        |            | 1       |           |           |          | 4100       | (4352) T | 14232    | 4112   | 2621 1     | 4232 13        |
| 2117             | XIX                      | 1          |         |           |           | 3536     | 3355       | 1555     | 2554     | 57.52  | 1531       | 13551 11       |
| V. (plant 1801)  | 700                      |            |         | 1         | 一次元       | 2000     | 5067       | 12000    | 1,000    | 13900 11   | 2003       | 15549          |
| A.1561 J.D.D.    | MIL                      |            | 100     | T625      | 2234 1    | 2004     | 2294 112   | 1222 12  | 92       | 224 12   | 128856 112 | 45sths :   339 |
| Settation (4.1%) | M                        |            | 200     | 120       | 06 (22    | 22       | Š          | 15       | H        | 3  | 10         | 11.00          |
| 딕                |                          | 2188       | 11 19.7 | 111       | 112       | 11708    | 1445       | 211      | 51704    | 12254  | 1 40005    | 248083         |
| VENDRICAL        | 7.                       | 11188      | 11115   | 111151    | 1315      | 13851    | 111151     | 151191   | 30704    | 47,523   | 12627      | 45401          |
| 4.5.007          | ğ                        | 3188       | 00353   | 10620     | 13149     | 10000    | 10620      | 39,5466  | 45274    | 9254019  | 47155      |                |
| Modeled          | Mil                      | 1188       | 10714   | 12543     | 10115     | 10117    | STREET     | 43122    | 214304   | 44885  |            | 100            |
| ATT TOP B        | 111                      | 1000       | 22511   | 5005      | 9863      | 28937    | 11000      | 20400    | 1887     |  |            |                |
| OF THE           | -5                       | 2138       | 7.115   | 25.55     | また江       | 25)13    | 194330     | 4D548    | 100      |  |            | 701117         |
| 0                | Å                        | 1283       | 000     | Japel.    | 1970      | 188134   | 38245      |          | 100      | THE SECTION AND ADDRESS OF THE PERSON AND AD | 11-7-11    |                |
|                  | 14                       | 200.00     | 22015   | お大人       | 1800      | 重要       |            |          |          | No.  |            | 183            |
|                  | ii                       | 30646      | 38246   | 197913    | 35114     |          |            |          |          | 100  |            |                |
|                  | #                        | 152382     | 1,58617 | 53441     |           | 100      |            | 100000   |          |  |            | P. Control     |
|                  | -                        | 31840      | 11811   |           |           | 1        | 1          |          |          |  |            | Name of Street |
|                  | No. Coment<br>No. Coment | Bask North | 12      | 2 2022 13 | 3 3833-04 | 4 900428 | \$ 3005.36 | 6 305527 | 7 307.03 | 40'800 s   | 9 3055.50  | 10 300031      |

DIVISIONAL FOREST OFFICIAL CUTTACK FOREST DIVISION

|      | SMC Works Model-C  |                                      |                     |
|------|--|--------------------------------------|---------------------|
|      | t Norms for creation of Afforestation with stabilization of Soil &<br>(1600 Plants! Ha)  | Conservation                         | of Moisture         |
| Sit. | Items of work  | Preferable<br>Period of<br>Execution | Total Cast<br>(Rs.) |
| -    | 0th Year (Pre-Planting Operation)  |                                      |                     |
| 1    | Nil  |                                      | 0                   |
|      | l" Year.   |                                      |                     |
| 940  | Soil Conservation measure structures like Staggered Treach, Percolation pit, Contour mench, Graded norther bund, LBCD, Wire mest LBCD, Sub-surface Dyke & WHS as par the slope & site requirement on LS. | Apr/Sept                             | 20,215.00           |
| £    | 2 <sup>nd</sup> Year   |                                      |                     |
| 3    | Maintennace of SMC structures on 15 % of initial year costs.   | Apr/hil                              | 3,832.00            |
|      | 3 <sup>rd</sup> Year   |                                      |                     |
| 4    | Maintenance of SMC structures on 15 % of initial year cost.  | Aprilled                             | 3,032,00            |
| +-   | 4 <sup>th</sup> Year   |                                      | -                   |
| 3    | Maintenance of SMC structures (@ 15 % of initial year cost   | Apr/Jul                              | 3.032.00            |
|      | 3" Year  | The second second                    |                     |
| . 0  | Maintenance of SMC structures on 15 % of initial year cost.  | Aprilial                             | 3,032,00            |
|      | Total  |                                      | 32,343.00           |

|           |                      | Abs             | tract for I ha.                      |                  |                    |
|-----------|----------------------|-----------------|--------------------------------------|------------------|--------------------|
| SL<br>No. | Year                 | No. person days | Labour Cost (n) Rs. 326/-<br>per day | Material<br>Cost | Total Cost<br>(Rs) |
| 1         | 0" Year              | 0.              | 0.00                                 | 0,00             | 0.00               |
| 2         | I" Year              | - 0             | 00.00                                | 20,215.00        | 20,215.00          |
| 1         | 2 <sup>rd</sup> Year | - 0             | 0.00                                 | 3,032.00         | 3,032.00           |
| 4         | 3 <sup>rd</sup> Vear | 0               | 0.90                                 | 1,032.00         | 3,032.00           |
| 5         | 4th Year             | - 0             | 0.00                                 | 3,032,000        | 3,03200            |
|           | 5° Year              |                 | 0.00                                 | 3,033,00         | 3,032.00           |
|           | Total                | . 0             | 9,00                                 | 32,343.00        | 32,343.00          |

| 196        | Abstract for L899 hg. |                 |                                   |                  |            |  |  |  |  |  |  |  |  |
|------------|-----------------------|-----------------|-----------------------------------|------------------|------------|--|--|--|--|--|--|--|--|
| SL.<br>Nu. | Year                  | No. person days | Labour Cost @ Rs. 326/<br>per day | Material<br>Cest | Total Cost |  |  |  |  |  |  |  |  |
| 1          | 0 Year                | -0              | 0.00                              | 0.00             | (Rs)       |  |  |  |  |  |  |  |  |
| 2          | J* Year               | 0               | 0.00                              | 38388.29         | 58,398,29  |  |  |  |  |  |  |  |  |
| 3          | 2nd Year              | 0               |                                   | 5757.77          | 5,757.77   |  |  |  |  |  |  |  |  |
| N.         | 3 <sup>rd</sup> Year  | 0               | 0.00                              | 5757.77          | 5,757.71   |  |  |  |  |  |  |  |  |
| 5          | 4" Year               | 0               | 0.00                              | 5757.77          | 5,787,77   |  |  |  |  |  |  |  |  |
| 6          | 5th Year              | 0               | 0.00                              | 5757.77          | 5,357,77   |  |  |  |  |  |  |  |  |
| - 7        | Total                 | 0               | 0.00                              | 61419.36         | 61,419.36  |  |  |  |  |  |  |  |  |
|            | OR                    | <b>计三三国际</b>    |                                   | 44-11-241        | 61,419.00  |  |  |  |  |  |  |  |  |

(Rupees Sixty-One Thousand Four Hundred Nineteen )only

| Tetal Cost<br>(10 Years) | 970    | 1585   | 37415    | 35585   | 1/250   | 431111        |                     | \$5478       | 1352               | 50140        | 1642     | 43550    |
|--------------------------|--------|--|----------|---------|---------|---------------|---------------------|--------------|--------------------|--------------|----------|----------|
| China Company            |        | 80   | 100      | E       | 9       |               |                     |              | 5                  | î            | 100      | 7        |
| B                        | 18     | Į.   | 1        | 100     | Ä       | 1             |                     |              | Til.               | F            | ij       |          |
| 5                        |        | MALCO  | 美        |         | 6       |               |                     |              |                    | 25.0         | 198      |          |
| XIX                      | No.    | W  | 100      | n       |         | Č,            |                     |              | SC410              | 5            | 世界       | C        |
| MAX                      | STEEL  | 0  | The same |         | 3000    | 1             |                     | ELSS P       | THE REAL PROPERTY. | 田田           | 技術語      | Section. |
| NAG                      | SH S   | 北海   | 174      |         | Įį.     | 100           |                     | TOTAL STREET |                    | 700          | Ĭ,       | E 1776   |
| i,                       |        | 17.53  | Cigo.    |         | ST.     |               | 1                   | 11           | 100                |              | 2038     | 1000     |
| R                        | I.     | 100  | DATE:    | 1       | To the  | To the second |                     | - Cap        | Contract.          |              | Total B  | 10000    |
| XIX                      | T-LOS  | 正世代  | 100      | 100     |         | 100           |                     |              | STORY.             |              | \$747.1  |          |
| xtm                      |        | THE STATE OF   | 13.18    |         |         |               | 3                   |              | A 100 A            | 3445         | 54.55 AV | 2000     |
| Ħ                        | T      |  |          |         | 1       | To the        | E C                 |              | 3878               | 5186 3       | 5186 5   | 10000    |
| Þ                        | 18     |  | V        | 1       | 1       |               |                     | 4000         | agre (s            | 4919 15      | 110.00   | Chouse ! |
| ×                        | 93     |  |          |         | I       | 1000          | 4700                | 4764.14      | No. of Lot         | 4774         |          |          |
| ×                        | 17     | 10   |          |         | 595     | Ven           | 1450                | TARK.        | 187                | W            | T. I     |          |
| 1111                     | 1      | 100  | 0.00     | Dick.   | 92      | 12807         | 1007                | 1366         | SET 1988           |              | 1        |          |
| B                        | To the | 1  | 171      | SOURT L | 1908    | 90            | AUSCIT-             | 10000        |                    |              | Tie.     |          |
| 15                       | His    | 10.3   | 12.4     | 200     | 200     | _             | 25,600              |              | 6                  |              |          |          |
| A                        | 1012   | 10.00  | 1000     | Same.   | 売       | 7             | Chick in            | 100000       | THE IS             |              | Ti       | 1        |
| 14                       | 2003   | Crit   | 200      | 1977    | 1       |               | THE PERSON NAMED IN | 1            |                    | 100          |          |          |
| H                        | 2000   | 910  | 2000     | 200     |         | 100           | 9                   | Ť            | Total State        |              |          | The same |
|                          | 4000   | 1  | 9        |         | 1       | 1             |                     |              |                    | THE STATE OF |          |          |
| -                        | 1      |  |          |         |         | 100           | THE PERSON NAMED IN | 1            | 1                  | 4            |          |          |
| Sources                  | Yeur   | DESCRIPTION OF THE PARTY OF THE | 74.75    | 77-77   | 6775578 | 20-62         | 2025-26             | 267954       | 4647.10            | 000000       | and to   | No.      |
| 4.0                      |        | 0.00   | -        | (A)     | 5       | +             | N.                  | 5            | 1 4                | 2 2          | 4 0      |          |

| Water provision to Plantation  Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), W |                |
|---|----------------|
| Osesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation). W                                |                |
|   | Jame Darie     |
| (i) 326/-   | alle senie     |
| Vear of Installation (0 <sup>th</sup> Year)   |                |
| / Cost of Bere well   | 00             |
| - Soal of Oreset pump Set 5 HP  |                |
| 10 mon  | 30             |
| 15,000.0  | 00             |
| Total 2,55,000.1  | 10             |
| out of Water per Plant(2,55,000/5000)—Rs.51/- out of Water per Ha.=Rs.51,000/-                                | \$1,000.00     |
|   | 1              |
| Recurring expenditure i.e. Diesel. Mobil, Engine Oil, Etc for pumping Water-21x1000                           |                |
|   | 21,000,00      |
| Watering 1500 plants (Nov-Mar) 52200 plants/MD with/Ldays rotation 32 MD s<br>5Moulie-160 MD x326-            | 52,160.00      |
| Total   | 73,160.00      |
| Pennsylva commencer 2nd Vear Watering   |                |
| 1 Mobil, Engine Oil, Etc for pumping Water-21 x 1000  | 21,000.00      |
| 2 Maintenance of pump set etc/(e) 5% of the installation Cost   | 7,650:00       |
| Watering 1600 plants (Nov-Mar) (ci200 plants/MD with 7 days continue 32 MD * 8 Month = 256 MDx326 =           | 83,456,00      |
| Tot   | al 1,12,106.00 |
| Vone Orangelon  |                |
| Recurring expenditure i.e. Diesel , Mobil, Engine Oil, Etc for pumping Water-21x1000                          | 21,000.00      |
| Maintenance of pump set etero) 5% of the distallation Cost  | 7,650,00       |
| Watering 1600 plants (Nev-Mar) (\$200plants/MD with7 days rotation 32 MD: 8<br>Month=256MDx326=               | \$3,456.00     |
| Total   | al 1,12,106,00 |
| d <sup>th</sup> Veir Watering   | 19.00          |
| Recutting expenditure i.e. Diesel Malot, Engine Oit, Etc for pumping Water-21x1000                            | 7+,000,00      |
| Maintenance of pump set éreigi (5% of the justifibuion Cost   | 7,630.00       |
| Wintering 1600 plants (Nov-Mar) @200plants/MD with7 days rotation 32 MD * 8<br>Month=256MDx326                | #3,456.00      |
| Tot   | ad 1,12,106,00 |
| 5th Year Watering   |                |
| Rochering respenditure i.e. Diesel . Mobil. Engine Oil, Etc for pumping Water-21x (00)                        | 25,000.00      |
| 2 Maintenance of pump set élegal 5% of the installation Cout  | 7,650.00       |
| Watering 1600 plants (Nov Mar) 6/200 plants/MD with F days contion 32 MD* 8 Month - 256 MDx326=               | 83,456.00      |
| Tot   | at 1,12,106.00 |

| -          | Abstract for 1 ha, |                    |   |               |                  |  |  |  |  |  |
|------------|--------------------|--------------------|---|---------------|------------------|--|--|--|--|--|
| Si.<br>No. | Year               | No. person<br>days | Labour cost @ Rs,326/-<br>per day       | Material Cost | Total cost (Rs.) |  |  |  |  |  |
| T          | 0th Year           | 0                  | 0.00                                    | 51,000,00     | 51,000,00        |  |  |  |  |  |
| 2          | I" Year            | 160                | 52,160,00                               | 21,000,00     | 73,160.60        |  |  |  |  |  |
| 3          | 2nd Year           | 256                |   | 28,650.00     |                  |  |  |  |  |  |
| 4          | 3" Year            | 256                |   | 28,650.00     | 1,12,106,00      |  |  |  |  |  |
| 15         | I Ven              | 256                |   | 28,650,00     | 1.12,106.00      |  |  |  |  |  |
| fix -      | 5th Year           | 256                |   | 28,650.00     | 1,12,106.00      |  |  |  |  |  |
|            | Total              | 1184               | 100000000000000000000000000000000000000 | 1.86,600.00   | 5,72,584.00      |  |  |  |  |  |

| -   | Abstract for 1,829 las. |                    |  |               |                  |  |  |  |  |  |
|-----|-------------------------|--------------------|--|---------------|------------------|--|--|--|--|--|
| SI. | Year                    | No. person<br>days | Labour cost in Rs.326/-<br>per day   | Material Cost | Total cast (Na.) |  |  |  |  |  |
| 10  | Of Your                 | 0.0                | 6,00   | 96,849,60     | 96,849,00        |  |  |  |  |  |
| 型   | I" Year                 | 303.8              | 99051.84   | 39,879,00     | 1,38,930,84      |  |  |  |  |  |
| E   | and Year                | 486.1              | 148482.94  | 54,406,35     | 2.12,889.29      |  |  |  |  |  |
| 4.  | J <sup>M</sup> Vent     | 986.1              | 188482.94  | 54,406.35     | 2.12,889,29      |  |  |  |  |  |
| 5   | 4th Year                | 486,1              | The second secon | 54,406.35     | 2 (1,889.29      |  |  |  |  |  |
| 6   | 5" Year                 | (86.)              | 158482.04  | 84,406,35     | 2.12,889.20      |  |  |  |  |  |
|     | Total                   | 2248.4             |  | 3,54,353,40   | 10,87,337,02     |  |  |  |  |  |
|     | OR                      |                    | 7,32,984.00  | 3,54,353,00   | 10,87,337,00     |  |  |  |  |  |

(Rupces Ten Lakh Eight-Seven Thousand Three Hundred Thirty-Seven )Only

| The second          |            | Table | Daylesul. | 10000           | SU20900   | E935II3   | 718291    | 204653  | 400485   | \$4300 F  | 181539   | 920-911   | 17991      |
|---------------------|------------|-------|-----------|-----------------|-----------|-----------|-----------|---------|----------|-----------|----------|-----------|------------|
| 2                   |            |       | V.        | Special Control |           | P. NIL    | Sec. 1    | 100     | The same | 光には       | Section. |           |            |
| 100                 |            |       | 7         |                 | F.        | 100       | ない        |         |          | 3         |          |           | 5000       |
| Sellie.             |            | 23    |           | 100             |           |           | State of  | 200     |          |           |          |           | 1          |
| Sitesta             | le le      |       |           |                 | 1         |           |           |         | Die of   |           |          |           |            |
| Service of the last |            | Me we |           | 0               | -         |           | -         |         | 1        | 8         |          |           |            |
| All It              | 1          | P A   |           | 1               | 1         |           |           |         |          |           |          | +         | 100        |
| 1000                | Mer Little | 10    |           |                 | 1         | 100       |           |         | +        | -         | +        | 100       | St Prince  |
| 15                  | 36         | B     |           |                 | 1         |           | ł         | -       | 100      |           | 200      | 100 100   | E S        |
|                     | CHECKER S  | N. IN | 1         | 1               |           |           |           |         |          | 1201      | 100      | 100 000   | 9          |
|                     | 200        | TI.   |           | -               | 12        | 1         | 1         |         | 3600     | 121 100   | 365 506  | 207 (02   | 20 199     |
| PO Poer             |            | X     | T         |                 | N.        | 124 176 1 |           | 10.8    | OF NE    | 973, 183  | 932759   | 495 [828] | 13-1781    |
| AGE UDA             |            | IX.   | t         |                 | THE PARTY |           | 20,000    | 602 ftm | 611-119  | 100 E     | 081 [17] | 511 05    | 100        |
| Desire?             | San dis    | H     | 1         | 100             | 100       | Tag and   | 明 記       | 44 1165 | 144 1468 | 100       | 100 E    | 733       |            |
| Sar Will            |            | 0     | -         | 0.00            | 1773      | 233 352   | 475 235   | 100,000 | 11 11    | 1100      | 171761   | 展問        |            |
| Mare                |            |       | 100       | 60              | 40000     | 600 (50   | EN - 6.00 | 學       | 1880     | 10834     |          |           |            |
|                     | 田田田        |       | 100       | 35              |           | 84 110    | 145       | 184     | U\$059   |           | 1        |           |            |
| Ŷ,                  | 10.0       |       | 217.30    | 3               | 1362      | 186       | 8390      | 6816    |          |           | 1        | 1         | 1          |
| 1                   |            | 1     | 6 (12)    | 1300            | 1000      | 100       | 8         | -       |          |           |          | 1         |            |
|                     |            |       | 11276     | 1 1 1 1 1       | 20,000    | 20-00     |           | 1       | 1        |           |          |           | 100        |
|                     | 1          |       | 1250      | a trees         |           |           |           |         |          |           |          |           |            |
| 1                   | 1          |       | 2180      | Y C             |           |           |           |         | -        |           | THE REAL |           | THE STREET |
| C. bear             | com        | No.   | ESCHOOL O | 2012            | 13153.34  | 100       | 2025.36   | O406.77 | 2027-08  | Services. | 2026.30  | 3030.31   |            |
| E                   | 4 2        |       | 1         | 1               | 15        | *         | 10        | 9.0     | 1        | -         | 6        | 45        |            |

## Total Project Cost of Safety Zone Scheme over 1.899 ha in Jindal Chromite Mines of M/s Jindal Stainless Ltd. under Cuttack Forest Division.

| SI No. | Item of Work  | Estimated cost in<br>(Rs.)               |
|--------|---|--|
| 1      | Block Plantation (1600 Plants/ Ha.) over 1.899 Ha<br>@3,37.995/Ha                   | Rs.6,41,852.50                           |
| 2      | Watering Model-H (Diesel Pump set Fitted with Bore well) over 1,899 Ha 66,93,563/Ha | Rs.13,17,076.13                          |
| Э      | Soil Moisture Conservation cost over 1.899 Hu<br>in 37,415/Ha                       | Rs.71,051.03                             |
|        | Grand Total   | Rs.20,29,979.71<br>Or<br>Rs.20,29,980.00 |
|        | Grand Total   |  |

(Rupees Twenty Lakh Twenty-Nine Thousand Nine Hundred Eighty) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

Approved to 25.20,20,980)-

Regional Chief Conservator of Foresta, Angul Circle.



Annexure- BIXV/2

# 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 creeting 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





Jindai Chromite Mines

At / PO: Kriispani 755 047, Dist. Jajpur, Odisha, India
T. +91 6726 268545, F. +91 6726 268315, E. Jindai mines@yahoo.com
Registered Office - D. P. Indai Marg, Hisar 125 005. (Haryana) India.

Corporate Office | Jindal Centru, 12, Shiharji Cama Place, New Delhi - 110 066, India







Annexure- B/ XVIII

# 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

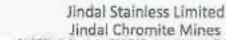
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





At / PO : Kalapani - 755 047, Dist. : Japon, Ousha, India T : +91 6726 268545, F + 491 6726 268315, E : Jindal, mines@yahoo.com Registered Office : O.P. Jindal Marg, Hisar - 125 005. (Horyana) India.

Corporate Office | Indial Centre,12, Uhikaliji Cama Place,New Delhi - 110 066, India 1 +91 11 25188345 - 60, F : +91 11 25170691, 25151271, F : info@jindalsteet.com, Website : www.indalstamless.com





Annexure- B/XV/7

# 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

Orndranter.

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division



Jindal Stainless Limited

# SCHEME FOR AFFORESTATION OVER ONE AND HALF TIMES OF SAFETY ZONE AREA COMING TO 3 HA

IN LIEU OF JINDAL CHROMITE MINES OF M/S JINDAL STAINLESS LIMITED.

IN DAITARY D.P.F.

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 MuEF &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.6 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 office-station 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 Daltari D.P.F.

#### 04-OBJECTIVE OF THE SCHEME

- 1. To improve the prop condition of exiting degraded forests with rehabilitation measures.
- To provide a green belt to compensate loss of forest cover.
- To provide adequate forest cover to compensate for the loss of the forest land due to the minima activities and provide good habitat for the wildlife.
- To conserve the soil and moisture of the area to maintain the Eco-system and to provide a healthy climatic condition
- To make best use of the land by planting valuable / local species and to enhance the aesthetic value of the land.
- 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:-

- Plantation in prominent patches at regular spacing of 2.5m x 2.5m with average plantation of @2000 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 usefulto 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 (Acasia catechu)
- 09. Sisoo (Dalbergia latifolia)
- 10. Sirisha (Albizia procera)

#### 07-PROJECT AREA:-

The treatable area is located within Dallary D.P.F. The crop condition in the region are degraded comprising of species like Sal, Dhaura, Aasan, Kendu, Mahula, Kochila, Kuruma etc. needingregeneration and cleaning. 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 ILD.1 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 Jindai Stainless Ltd.

#### D9- 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.

| St No. | Item of Work  | Estimated cost in<br>(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<br>Ha @5,15,846/Ha | Rs.15,47,538.00            |
| TY     | Grand Total   | Rs.27,50,052.00            |

(Rupees Twenty-Seven Lakh Fifty Thousand Fifty-Two) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

> Distance Forest Officer Outlieck Forest Division

Approved for Re. 27,50,052)-

Regional Chief Conservator of Forests, Arigul Circle.

# SCHEME FOR COMPENSATORY AFFORESTATION FOR BLOCK PLANTATION OVER DNE & HALF TIMES OF SAFETY ZONE AREA IN DEGRADED FOREST LAND OVER 1 HA IN DAITARY DPF DURING 2022-25

| Name of the Schame :-          | COMPENSATORY AFFORESTATION   |
|--------------------------------|--|
| Mame of the Project :-         | PROPOSAL FOR COMPENSATURY AFFORESTATION FOR BLOCK PLANTATION OVER ONE & HALF TIMES OF BAFETY ZONE AREA IN DEGRADED FOREST LAND OVER 3 HA IN DAITARY OPF DURING 2022-23 |
| Henry of Implamenting 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 ADDPTED              | 2.500 v 2.500  |
| 5. TOTAL NOS, OF PLANTS TO BE PLANTED | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW |
| 5. Wage Rate (For MD)                 | 3,000  |
| - Company of the Company              | 326,00   |

| Myr. | item of Wares  | Period of<br>execution | Mandays        | Labour Cost<br>@ Re.176/- | Material<br>Cost | Total in Ra |
|------|--|------------------------|----------------|---------------------------|------------------|-------------|
| 1.   | 2  | 1                      | -4             |                           | - 6              | 7           |
| -    | Pro-Pu   | Adding Opera           | tion (0th Year | 1                         | -                |             |
| L    | Servine, Democration and Palar Poeting   | 14041Dpg               | 2              | 662.00                    | 0                | 001.00      |
| 2    | Properation of Touriners Map (Digital Map)   | NoviGeo                | -              | 326.00                    | 100              | 424.00      |
| 3    | Site preparation (Cleaning & raintoyal (if debriges)   | Nowbee                 | -12            | 3,912.00                  | n                | 3,012.00    |
| ð.   | Courton of 4 00 ml wide Impection Path   | Fait/Mer               |                | 300.00                    | - 0              | 326.60      |
| 5    | Algorithm and sleeking of pile.  | Facilities:            | 1              | 226.00                    | 0                | 326.60      |
| 0    | Diggrap of para (45 cm is 45 cm) at heart & particular set   | Fedintri               | NE.            | 13,040,00                 | 0                | 13,040.00   |
| Ť.   | Contraction of Temporary Labour Bros., Durking<br>avertability and First Algebic.  | January                | 0              | 0.00                      | Missi            | 0,500,00    |
|      | Total:-  |                        | 57             | 18.582.60                 | 3,600.00         | 72,182.00   |
| Ð    | Minrolly, Evaluater, Lawreng Cocumismood St.<br>erry other Contingency upto 5% of the licel cod.   |                        |                | 19,202.90                 | 3,000.00         | 1109        |
|      | Grand Total:-  |                        |                |                           |                  | 23,291,00   |
|      | Manufact et al. E. Manufact de la  | t Year Plant           | ing Year       |                           |                  | -           |
| i    | learning of the hymnering the degrad act, of the<br>this application of Organic compounds/ CDM/<br>FYM-5 many the same property  | Janklay                | 73             | 2,448.00                  | 0,002,00         | 7,445.00    |
| 1    | Transportation of 18 months and polypet sentings in finen (ruck) vinctor from the Permananti Magnifurnity to planning also including loading & unloading forms and of 10 foun) & stacking the seartings 12 Hs IV-per Seeding (1100 nas.)   | Julykuy                | 5              | 0.00                      | 8,890,00         | 6,650 03    |
| 8    | Watering the polypot specings at planting end  | Julything              | 2              | 692.00                    | 0.00             | 580 to:     |
| 4    | Conveyance of putypol seedings on head has<br>from the steering site to indultive drap out pits<br>within the planting site, applying insecticide,<br>fertilizers & planting other scooping the soil with<br>other stephed misterials & pressing the soil property<br>broadd the plantied swedlings. | JulyAug                | 223            | 7,335 od                  | 0.00             | 7,335,00    |
| *    | Clast of Fertilizer & Langelicide: (a) NPK / Bo-fatticer @50 gms/ plant ex boad dose = 50 kg @ Rs 834 per kg = Ra 1100 00 (b) Ureal Verminispesti No Kintel any other for liner in les subsequent doses @ Rs 759 go (c) Insectición Bio pessiole @ 5 gms/ plant = 5 kg @ Rs/1501 per kg = Rs 750.00  | Julythyry              | ū              | 0.00                      | 3,000.00         | 3.000.00    |
| 4    | Casually Replacement (0 10% (100 nps.)   | didylAtsig             | 2.5            | 513 00                    | 0.00             | 815.00      |
| 3    | 1st Weeding & Manuffig   | Aug/Sept.              | 12             | 3.912.00                  | 0.00             | 3.913.00    |

|           | Wieding, Soll working (11th, (Rametre around)<br>plants) and Manufing   | CritNov     | 15              | 4,880.00  | timo     | 4,890.00  |
|-----------|---|-------------|-----------------|-----------|----------|-----------|
| Fis       | the triping (2, m. twide fee fine over 400 m.)  | VetoPas     | 1               | 978.00    | 0.00     | 576.01    |
| Table     | extr. & Ward Including watering on part   | 100         |                 | 010.00    | Deta.    | 979090    |
|           | HP = T  | Ang-blas    | oth             | 3,912.00  | 5.00     | 3,912.60  |
| 100       | Total:-   |             | 76.6            | 24939     | 14600    | 39,539.00 |
|           | country, Evolution, Committing, Description 5<br>other Contingency upto 55% of the total cost.  |             | 0               |           |          | 1,077.00  |
| 1.        | Grand Totals  | 1           |                 |           |          | 41516     |
| -         |   | Year Main   | beliance        | -         |          |           |
| 043       | traponation of 100 weadings front foursery to-<br>interior site including loading unfolding &<br>riveyance by Tracks @ Rs.0/ per seeding  | ii          | 0               | 0.00      | 600,00   | 600.00    |
| Co        | authly Represented @ 10%  | Jai         | 2.5             | 815.00    | 6.00     | 516,10    |
| 3 (1)     | st of Fartilizer & Insecticides. Cost of Insecticides Dis-posted (p. 5 cm)/ plant, 0.5 kg @ Ra.19W-per kg = Ra.75v. Lites/ NPM Bio-lethicer/ Valuecomposit/ Mo-<br>one/ any other fertilizer @ Rs.289W- | Angilops    | Ø:              | 3,02      | 2.676.00 | 2 676 00  |
|           | reding (Corollele weeting), Maturing & Scilling (see, Corollere assure the plants)  | Sign/Oct    | 18              | ×,890.00  | 0.00     | 6,800 00  |
|           | a line tracing (2 m, wide the true over 400 m.)<br>high including mannerance of inspection par-   | Febilian    | 3               | 978.96    | 0.00     | 97± 50    |
| Section 1 | with a Ward finckuling wittering its per  | Applifac    | 16              | 5868.00   | 0.00     | 5,806,00  |
|           | attendice of Temperary Labour Shell Drinking<br>iten tables and First Accieto   |             |                 |           | 1,000.00 | 1,600.00  |
| T         | Total:-   |             | 58.5            | 12591     | 4,475.00 | 17025     |
| 8 01      | ontoring, Evaluation, Laurence, Discurrence of B<br>ny other Contingency upto 6Ty of the total cost.  |             |                 |           |          | 951       |
| 1         | Grand Total:-   |             |                 |           |          | 17577     |
|           |   | d Year Mais | Henence         |           |          |           |
| 2 W       | out of Jernizer (Unes) Nink) Sic-turikzen<br>ernicomposit No Khalpi any teter feriscen  | Sent/Dot    | D               | 0.00      | 2,600,00 | ≥,500,00  |
| * la      | Visiting , Maruning & Soll working (first Diamesia)<br>round the plants!  | Skel/Ou     | 15              | 4,010,00  | FD.FX    | 4,880,00  |
| 5 fo      | the fine broads (2 m. wide fire the cost 400 m.<br>org) including reuntenance of inspection path  | Tiet/Miler  | 3.              | 678 00    | 11,00    | 978:00    |
|           | Marich & Ward including watering on particularity   | App-Mar-    | 18              | 5,654.00  | 5.00     | 5.86E.00  |
|           | Asymmetric of Temporary Lettor, Shoil, Ornhing<br>selectorists and First Ald bits.  | Apr-Mar     |                 | 14 400 04 | 1,000.00 | 15,536.00 |
|           | Total-  | -           | 26              | 11,736.00 | 3,800.60 | 10,000.01 |
| 4 8       | diseasing Evaluation Leaving Cocumo dated &<br>any other Contingency upts 5% of the total dost  |             |                 |           |          | 177       |
|           | Grand Total:  | or or over  | and the same of |           |          | 16,313:0  |
|           |   | th Year Mai | umaliaco.       | 1         |          | 1         |
| 1 3       | Fire this tracing (2 m, wide the time over 400 m long) inducting marrienance of impaction path.   | Pelotidas   | я               | tire.to   | 0.50     | 975.60    |
| 1         | Water & Ward instituting delineasing of facility  | Aprillar    | 18.             | 5,000,00  | 5,00     | 5,655.50  |
|           | Totals  |             | 21              | 6,846.00  | 0        | 6,846.06  |
| 3.        | Monitoring, Evaluation, Learning, Documentation &<br>any other Contingency upto 5% of the total cost.   |             |                 |           |          | 342       |
| 4.1       |   |             |                 |           |          |           |

|     | Sti  | Year Mainte  | estance  |          |       | - the sales of |
|-----|--|--------------|--|----------|-------|----------------|
|     | o like tracing (2 in. wide fire line over 400 in<br>gtr) excluding mandaments of inspection path   | Faulstar     | 9.   | 970-100  | 0.60  | Wear           |
| W   | alon & Ward Including marriagance of Taxong  | Aprillar     | 38   | 0.868,00 | 8.00  | Same           |
| E   | Total:-  |              | .21  | 6,845.00 | 0     | 6,846.00       |
|     | initiating, Evaluation, Learning, Documentation 6<br>y other Contropology sono bills of the (assistant   |              |  |          |       | 242            |
|     | Grand Totals   |              | -  |          |       | 7,188.00       |
| le: | the tracing (2 m. wide fire kne over 400 m.)   | Year Maint   | enance   | 1        |       |                |
| le  | ights ladusing traintenance of inspection pails  | Febling      | 1  | 5779-00  | 6.00  | 576.50         |
| At  | print of transfes. Singling ool of multiple<br>colle   | Junistar     | 5  | 976.00   | 0.00  | 970,00         |
| 100 | latin & Ward including manifestations of limiting  | Air-Mar      | 48   | 3,860,00 | 0.00  | 00,588,2       |
| t   | Total:-  |              | 24   | 7,824.00 | 0     | 7,824.00       |
| 10  | orkolog Eviluation Learning Cocumeration &<br>ny other Contragency upg 5% of the Incid cost.   | -            |  |          |       | 381            |
| +   | Grand Totali-  | ranker l     |  |          |       | 8,215,00       |
|     | 71   | h Year Maint | enance   |          |       |                |
| 100 | lin like (aming (2 in wide the line over 400 in.)<br>argu) auxing e winterance of nepoction poth   | Feedover     | 0  | 978-00   | 8.05  | 978,900        |
| V   | Lincoln & siceral including making more or lending   | /ter-kity    | 39   | 6,885.00 | 0.07  | F),5/56,0(L    |
| 1   | Total;-  |              | - 71   | 6,846.00 | 0     | 0,848.00       |
| 1   | hindaring, Rysumoon, Learning, Documentation 6.<br>By dinner Covergency opto 5% of the book book   |              |  |          |       | 342            |
| 1   | Grand Total:   |              |  |          |       | 7,188.00       |
|     |  | th Year Main | tenance  | 1        |       |                |
| 1   | the line trading (2 in, vide fire vine over 400 in.<br>engin) inducting materialisms of imposition with  | Best/Or      | 5  | B78:00   | 992   | 5770,000       |
|     | Vinich & Word Including municipacit of Inform  | Ap-Mai       | 16   | 5,080,00 | 0.00  | 6,000.00       |
|     | Total  |              | 21   | 8,846,00 | 6     | 8,846,00       |
| 7   | Assistance, Eyelukten, Learning, Documentalion &<br>any other Continguisty soto 5% of the traul cost.  |              |  |          |       | 34Z            |
| 1   | Grand Total:-  |              | -  |          |       | 7,188.00       |
|     | The second secon | th Year Mali | stenning.  | -        |       | 1              |
| 1   | Fire tipe tracing (2 or wide fire line over 400 or tang) including realizations of inspection path   | Falishay     | 3  | 970,06   | 6.60  | U75.00         |
| 2   | Water & Ward including mattermines of tenomy   | Aprillar     | 18   | 5,568,00 | 0.69  | 5,863.00       |
|     | Total  |              | 21   | 6,845.00 | 0     | 6.846.00       |
| 2   | Memberry, Evaluation, Libertry Documentation 5 and other Coveries my upto 5% of the fault cost   |              |  |          |       | 342            |
| H   | Grand Total:   |              | and the same of th |          |       | 7,588.00       |
|     |  | Du Year the  | Interiance   |          | -     | -              |
| 1   | Free few success (2 m. wide fire free ever 400 m<br>length) including manifectors or transaction path  | feditor      | 8  | 976.00   | 000.0 | 973.00         |
| 1   | Viction & When including maintainings of fail ding   | Apriktur     | 11   | 5,658.00 | 0.00  | 5,600 CO       |
|     | Tatal  |              | 21   | 6,846.00 | , D   | 6,840.00       |
|     | Eventoping, Exstration, Learning, Documentation<br>any office Continguous opts 5% of the local cost.   |              |  |          |       | 342            |
|     | Grand Tutal  |              |  |          |       | 7,185.00       |

|             |            | TOTA              | L COST FOR 1               | HA.       |  |  |                     |
|-------------|------------|-------------------|----------------------------|-----------|--|--|---------------------|
| Eat<br>Nice | Year       | Ko person<br>days | Labour Cost @<br>Ps. 325/- | (Ha.)     | Monitoring<br>Evelution,<br>Learning,<br>Documentation<br>and other<br>Chittingency<br>(5%) of (445) | Cost of<br>Seedlings (I)<br>Flu-12, 17716<br>per seedlings | Total Casi<br>(Rs.) |
| 1           | Dilit yesh | - 63              | 18523                      | 9800      | 1109   | 0  | P3.291 00           |
| 1           | 1st year   | 76.5              | 24930                      | 14600     | 1977   | 87354,81   | 06,610.6            |
| 35          | 2ml year   | 38.5              | 12651                      | 4675      | 881  | 8237.73  | 23,094 7.           |
| E           | 3/d year   | 25                | 11736                      | cités     | 777  | 0  | 16,213.00           |
| 6           | 4th year   | 34                | 6848                       | 0         | 340  |  | F, 168 CC           |
| 0           | 50h year   | 21                | 88-46                      | 10        | 043  |  | 7/186/00            |
| 7           | filti year | 24                | TEM                        | - 0-      | 201  | 0  | 8.215.00            |
| B.          | 7th year   | 23                | 6046                       | 0         | 1942   | 0  | 7,182.00            |
|             | Stri year  | 23                | 0510                       | . 0       | 2476   | 0  | 7.1使机00             |
| 15          |            | 21                | 6645                       | D         | 3/02   | 0  | 于, 作品社会区            |
| 11          | 10th year  | -21               | 6649                       | 0         | 3142   | 0  | 7.1650              |
|             | Totalis    | 368               | 1,16,708.00                | 26,475.00 | 7,357.00   | 62,812,52  | 7,12,952.52         |

| St. | Year         | No.<br>Nakalaya | Rs.3261               | Material Cost<br>(Rg.) | MELD 6<br>Other<br>Contingenty,<br>19%) of (3+6) | Cost of<br>Secullage (8<br>Rs.52.1771)<br>per sentilings | Total Cost (Hs.) |
|-----|--------------|-----------------|-----------------------|------------------------|--|--|------------------|
| T   | titin year   | 171.00          | 55(4)                 | CO HUDDI               | 3,027,00   | 0  | E0,8/1.00        |
| 1   | 1st year-    | 229 50          | 74827                 | 43300,00               | 1071760  | 172180-65  | 256,752.45       |
| -3. | 2nd waar     | 115.50          | 27968                 | 10425                  | 255.0  | 33433-15   | 68,264.13        |
| A.  | 3rd year.    | 00.894          | 3,9308                | 11/100                 | 2351   | 0  | 18 SBD G         |
| b   | 40) year     | 107,00          | 77538                 | To To                  | 1000   | -0   | 21,594.00        |
| -   | 5th year     | 60.00           | 20198                 | 0.                     | 3075   | 0  | 24,584.0         |
|     | Stri Vesir   | 72.00           | 27572                 | .9                     | 1100   | 9,   | 26,543.0         |
| 8   | 78t/year     | 103,00          | 2030.0                | 0                      | 1033   | 9  | 21,004,95        |
|     | 8m year      | 93.00           | 20578                 | 70                     | 1600   | Ö  |                  |
|     | 9th yeat     | 85.00           | 10530                 | 0                      | 10038  |  | 51,554,0         |
|     | 10th year    | H3 60           | 20038                 | . 0                    | 1528   | - 3  | 21.304.0         |
|     | Grand Total: | 1074,00         | 3,50,124,00           | 78,435,00              | 21,471,00  | 1,87,637:56  | 6,38,057.5       |
|     | OR           |                 | ATTEN AND DESCRIPTION | 100                    | And the second                                   | Eight Hundred  | 6,38,055.0       |

HANGE OFFICER
SUKINDA HANGE
SUKINDA HANGE
SUKINDA HANGE
LIGHTHA

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION
Divisional Forest Officer
Cuttect Forest Division

ASST, CONSERVATOR OF FORESTS CUTTACK PONEST DIVISION

Assi. Comercator of Forests. Cuttack Forest Division

fage (cf.4)

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|--|---|---|--|
|  |   | i |  |
|  |   |   |  |
|  |   |   |  |

| Fortal Cost<br>(10 Years) | 212953       | 244007 | 156297       | 269013       | 282469  | 296592       | 311422 | 326993     | 343342  | 360510      | 378535        |
|---------------------------|--------------|--------|--------------|--------------|---------|--------------|--------|------------|---------|-------------|---------------|
| T IXX                     |              |        | -            |              |         |              | 88     |            | -       |             |               |
| ×                         |              |        |              |              |         |              |        | H          |         |             | 177           |
| N NIN                     | H            |        | -            |              | -       |              |        |            |         | 8           | 17200 18164   |
| E.                        |              |        |              | -            |         |              |        | -          | 6475    | 96271 57390 | 051 95391     |
| P.                        | H            |        |              | 4            | -       |              |        | 15         | -       | -           |               |
| 1 NVII                    |              |        |              |              |         | -            | 1      | 1993 15691 | 15951 € | 0 15691     | 1985118       |
| XVI                       |              |        |              |              |         |              | 14903  | -          | 14943   | D691        | 1,7002        |
| Ŋ                         |              |        |              |              |         | 14232        | 14232  | 14232      | 14232   | 16265       | CX CT   1     |
| XIV                       |              |        |              |              | 13554   | 13554        | 13554  | 13884      | 15491   | 13554       | 13555         |
| NTH                       |              |        |              | 12939        | 129999  | 12909        | 129/9  | MT83       | 12909   | 12909       | \$4000 1355E  |
| XII                       |              |        | 1252         | 12294        | 12294   | 12294        | 14090  | 16221      | 3294    | 27901       | 20500         |
| 8                         | 7158         | 11708  | 11701        | 11708        | 11708   | 13381        | 11758  | 11703      | 2682    | 3360        | 19201 4 19200 |
| ×                         | 2188         | 111111 | 111151       | 11151        | 12744   | 111151       | 11151  | 28307      | 100     | 153403      | 25/175        |
| ×                         | 7188         | 10630  | 10620        | 12137        | 10620   | 10620        | 34100  | 34121      | 146136  | Start       |               |
| VIII                      | T188         | 10114  | 11550        | 11100        | 10114   | 22984        | 4.0    | 10 W/C     | 32773   |             |               |
| WII                       | 8215         | 17009  | \$136        | 9633         | 19815   | 126238130969 | 113340 |            |         |             |               |
| 7                         | 2188         | 9174   | 2116         | 30820        | 29473   | 136738       | 30775  |            |         |             |               |
| *                         | 7188         | 8737   | 150829       | 114502 28072 | \$20227 |              |        |            |         |             |               |
| N                         | 16313        | 18884  | 26738        | 114500       | 29695   |              |        |            |         |             |               |
| 101                       | 23095        | 25462  | 109049 26735 | 35678        |         |              |        |            |         |             |               |
| .11                       | 98911        | 103856 | 73456        |              |         |              | 1      |            |         |             |               |
| +                         | 13201 108911 | 100.00 |              |              |         |              |        |            |         | 1           |               |
| Commen                    | Para Niver   | 15     | 700          | 000000       | 1004.38 | Mary 9K      | 2007   | 2007       | Bu done | 5030.25     | 2000          |

(Rupees Two Lakh Hity-Six Thrussand Two Hundred Seven) Only

DIVISIONAL FOREST OFFICER CUTTACK FOREST DIVISION

Distributed Forest Citizen Cuttadit Forest Division

# FENCING FOR COMPENSATORY PLANTATION RAISED INTSIDE THE FOREST AREAS USING BAMBOO TWICS & THRONS (250 RMT/HA.)

| I, MODEL                                 | BLOCK  |
|--|--------|
| 2. TOTAL AREA TO BE FENCED(250 Rest/Hz.) | 3 Has  |
| 3. Wage Rate [Per MD]                    | 326.00 |

| 1.   | Item of work  | Preferable             | Man days | Wages     | Material rost | Forat Cost   |
|------|---|------------------------|----------|-----------|---------------|--------------|
| 0.   |   | Period of<br>Execution |          |           | 1             | (Rs:/Hs:)    |
| a A  |   | 0th Year (PP           | O)       | -         |               |              |
| LI   | NIL   |                        | 0        | 8         | 0             | 0            |
|      | She She   | r Year Mainte          | mance    |           |               |              |
|      | Taking an average perioretic of 250 Rand He (i) 95 85; on   |                        |          |           |               |              |
| 1    | (Half handle Bantoe Tuigs mt @ 1207 Bandle)<br>Labour meterial = 40 60 (approx)   | Sept/Oct               | 30       | 9,785,60  | 14,633,000    | 23,913,00    |
|      | ратово роке от в петри, ит в постое ит лите. Урасна   | 5.7                    |          |           |               |              |
| 0    | to be fixed; 2" index & 2" above soil) 25/V2=125-1=126 Nes. of Bamboo Poles. 1 Bantoo (approx) 24" height= 3 Poles. 126/5=12 Bamboo \$3 2007 Bamboo   | SepteMal               |          | 0         | 4(490,00      | 8,400/00     |
| 3    | Preparation of Baroboo Parex, Digging of links of 2 Pt<br>depth & found Bernton process of 20 poles (MD   | Septibil               | 6.5      | 2,319,00  |               | £819.00      |
| 4    | Cost of therefore for turning the Bataboo twigs row fames with double side two small Bataboo batters ( One 5" above ground and other one 4 ft above ground X250X1/24=21 flamboo in 200.1 Samboo | Squ(t)a.               | =        | ž         | 4,300,00      | ),200.00     |
| 5    | Mining Branton batter, Printing the Batter & Tipe is the state of double-strand on Copyropa siz. Rs. (1/ Ron.   | Septemen               | - 0      | 198400    |               | 1,054.00     |
| 6    | Copy of contracts @ Rail 175 Kg/ Rest<br>500 X 0.125 Kg+62 5 Kg/ @Rs-70/Kg  | Sept/Get.              |          |           | 4,870.00      | 4/17/5/00    |
| 7    | Making one Limiton Twips gale with Bankoo franc   |                        |          |           | 300,50        | 100,51       |
| -    | Total:-   |                        | 45,5     | 14,833.00 | 31,609,50     | 940, Ad   50 |
| Rate | per raunity rot 46441 5 / 250 = 185/800   |                        |          | 25        |               |              |
|      |   | 2nd Year Mais          | femine   |           | -             |              |
| i    | Repair & Maintenance of Banting Twigs feech including   | Teb/Mur                | 20       | 6,520 (0) | 1,50000       | 8,020,08     |
| Tres | e per nate ing. mr. 40337/250 = 11,2/Reir or Rr.31-Rmt  |                        |          |           |               |              |
| 1940 |   | 3rd Year Mai           | ntenance |           |               |              |
| 1    | Report & Manuscrape of Bandon Vergs Rece including<br>Material con-   | PolisiVita             | 7.0      | 6,520:00  | 5,68570       | 12,14610     |
|      | per remove set 12495/250 =41 50R80 to R\$ 18-Ami  |                        |          | _         |               |              |
| 1    |   | 4th Year Mai           | принце   |           |               |              |
| 1    | Lighter Colors Colors   | Establar               | 2        | 6,526.00  | 5/629/30      | 11,195-0     |
| Re   | te per naming the 12175 (250 - c.e. 9/Knato) Ro 45-Rest   | -                      |          |           |               |              |
|      | The second second second second   | 5th Year Mai           | oteunnte | -         | -             | -            |
|      | Regula & Wainimanor of Bainton Twigs lends excluding<br>Material cost   | ret/Mar                | 2        | 6,520.00  | 5,075/8       | 12,795-0     |

TOTAL COST FOR 1 HA(250RmL)

| Vear                 | No. of MD | Labour Cost | Material<br>Cast | Tetal.    |
|----------------------|-----------|-------------|------------------|-----------|
| 0" Year              |           |             |                  | 6.00      |
| t"Year               | 45.50     | 14,833,00   | 31,600,50        | 46,421,50 |
| 2° Vear              | 20        | 6520.00     | 1580.00          | 5,920.00  |
| 3 <sup>rd</sup> Year | 20        | 1520,00     | 5675,00          | 12,195,00 |
| 4" Year              | 29        | 6520.00     | 5675.00          | 12,195.00 |
| St Year              | 29        | 6320.00     | 5675.98          | 12,195.00 |
| TOTAL:-              | 125.5     | 40,913.06   | 50,133.50        | 91,046.50 |

TOTAL COST FOR 3 HA(0.75 Rkm)

| Year                 | Nic of MD | Labour Cost | Material    | Total      |
|----------------------|-----------|-------------|-------------|------------|
| Ø <sup>b</sup> Yesi  | - 0       | 1           | CO F.       |            |
| J* Year              | 156.5     | 44,495.011  | 94,925,50   | 139,324.50 |
| Z <sup>in</sup> Vent | 69        | 19,560.00   | 4,500.00    | 24,950000  |
| are Vent             | 69        | 15,560 01   | 17,025,06   | 35.585.00  |
| 4 <sup>th</sup> Vent | 68        | 19,560.00   | 17,025.00   | 36,585,00  |
| 5 <sup>th</sup> Year | 60        | 19,360.00   | 12,025,00   | 36,585,00  |
| TOTAL                | 376.50    | 122,739.00  | (50,499.50) | 273,139,50 |
| DR.                  | 377       | 122,739.86  | 159,401.00  | 273,140.00 |

(Rupces Two Lakh Seventy-Three Thousand One Hundred Forty)Only

RANGE OFFICER SUKINDA RANGE

Essen Range Officer Sukinda Range ASST. CONSERVATOR OF FORESTS CUTTACK FOREST DIVISION

Asst. Conservator of Forests Cuttack Forest Division

DIVISION AFOREST OFFICER
CUTTACK FOREST DIVISION

Divisional Forest Officer Curtack Ferent Division

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|-----------|---|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------------|--------|-------|-------|-----|---|----|--------------|
| Commen    | - | =     | H      | N     | Þ     | VI    | VIII  | ИП    | X     | ×     | N     | хп    | XIII    | XIV         | XV XVI | пух г | XVIII | XIX | X | XX | (16 Years)   |
| Base Norm | 0 | 46442 | 8020   | 12193 | 12195 | 12195 |       |       |       | 1     |       |       |         |             |        |       |       |     |   |    | 91847        |
| 2021-22   | 8 | 48764 | 8842   | 14117 | 14823 | 13564 |       |       |       |       |       |       |         |             | -      |       |       |     |   |    | 102110       |
| 2622.23   |   | 0     | \$1202 | 9284  | 14823 | 15564 | 16342 |       |       |       |       |       |         |             |        |       |       |     |   |    | 107216       |
| 2023-24   |   |       | 0      | 53762 | 97.48 | 15564 | 36342 | 17160 |       |       |       |       |         |             | -      |       |       |     |   |    | 112577       |
| 2024-25   |   |       |        | 0     | 56650 | 10236 | 16342 | 09141 | 18018 |       |       |       |         |             |        |       |       |     |   |    | 118205       |
| 2025-26   |   | -     |        |       | 0     | 39272 | 10%48 | 17160 | 13018 | 81681 |       |       |         | 4           |        |       |       |     |   |    | 124116       |
| 2026-27   |   |       |        |       |       | 0     | 62236 | 11285 | 81081 | 81581 | 10864 |       |         | -           |        |       |       |     |   |    | 130321       |
| 2027-28   |   |       |        |       |       |       | 0     | 65348 | 11849 | 81681 | 15864 | 20858 |         |             | 10     |       |       |     |   |    | 136837       |
| 2028-29   |   |       |        | 1     |       |       |       | 0     | 51989 | 12442 | 19864 | 20858 | 21900   | B.W         |        | 4     |       |     |   |    | 143679       |
| 2029-30   |   |       |        |       |       |       |       |       | 0     | 72046 | 13064 | 20838 | 21900   | 22995       |        |       |       |     |   |    | 150863       |
| 12,4200   |   |       |        |       |       |       |       |       |       | 0     | 75648 | 13717 | 2)900 2 | 22995 24145 | 0.45   |       |       |     |   |    | 158406       |

(Rupees One Lakh Seven Thousand Two Hundred Sixteen) Only

DIVISIONAL POREST OFFICER
CUTTACK FOREST DIVISION
Divisional Forest Officer
Cuttack Forest Division

|           | SMC Works Model-C  |                                      |                     |
|-----------|--|--------------------------------------|---------------------|
| Cos       | t Norms for creation of Afforestation with stabilization of Soil &<br>(1000 Plant# Ha).  | Conservation                         | of Moisture         |
| SL<br>No. | Items of work  | Preferable<br>Period of<br>Execution | Total Cost<br>(Rs.) |
|           | 0th Year (Pre-Planting Operation)  |                                      |                     |
| 7         | Nii  |                                      | 0                   |
|           | 1ª Year  |                                      |                     |
| 100       | Soil Conservation measure structures like Staggered Trench,<br>Percolation pit, Contour trench, Graded earther bund, LBCD,<br>Wire mesh LBCD, Sub-surface Dyke & WHS as per the slope &<br>site requirement on LS. | Apr/Sopt                             | 20,215.00           |
|           | 2 <sup>nd</sup> Year   |                                      |                     |
| 3         | Maintenance of SMC structures (or 15 % of laintial year cost.  | Apr/Jul                              | 3,032,00            |
| -         | 3 <sup>rd</sup> Year   |                                      |                     |
| id.       | Maintenance of SMC structures (a) 15 % of initial year cost.   | Aprilui                              | 3,032.00            |
| -         | 4 <sup>6</sup> Year  |                                      |                     |
| 5         | Maintenance of SMC structures for 15 % of initial year cost.   | Apr/Jul.                             | 3,032,00            |
| - 2       | 5th Year   |                                      |                     |
| 6         | Maintenance of SMC structures in 15 % of initial year cost.  | Apr/Iul                              | 3,032.00            |
| -         | Total  | 1                                    | 32,343.00           |

|                       | /53/25   | tract for 1 ha.  | -  |   |
|-----------------------|--|--|--|---|
| Year                  | No. person days  | Labour Cost on Rs. 326/<br>per day   | Material<br>Cost   | Total Cost<br>(Rs)  |
| (i <sup>th</sup> Vest | 0  | 90.00  | 0.00   | 0.00  |
|                       | 0  | 0,00   | 20,215.00  | 20,215:00   |
|                       | 0  | 0.00   | 3,032.00   | 3,032,00  |
|                       | 0  | 0.00   | 3,032.00   | 3,032.00  |
| Table 1               | 6  | 0.00   | 3,032.00   | 3,032,00  |
| 4 <sup>th</sup> Year  |  |  | -  | 3,032.00  |
| 5 Year                |  | 70740  |  |   |
|                       | 0 <sup>th</sup> Year<br>1 <sup>th</sup> Year<br>2 <sup>th</sup> Year<br>3 <sup>th</sup> Year<br>3 <sup>th</sup> Year<br>3 <sup>th</sup> Year | Year No. person days  0 Year 0  1 Year 0  2 Year 0  3 Year 0  4 Year 0  5 Year 0  5 Year 0 | Year         No. person days         per day           0 <sup>th</sup> Year         0         0.00           1 <sup>th</sup> Year         0         0.00           2 <sup>th</sup> Year         0         0.00           3 <sup>th</sup> Year         0         0.00           4 <sup>th</sup> Year         0         0.00           5 <sup>th</sup> Year         0         0.00           5 <sup>th</sup> Year         0         0.00 | Year         No. person days         per day         Cost           0 <sup>th</sup> Year         0         0.00         0.00           1 <sup>th</sup> Year         0         0.00         20,215.00           2 <sup>th</sup> Year         0         0.00         3,032.00           3 <sup>th</sup> Year         0         0.00         3,032.00           4 <sup>th</sup> Year         0         0.00         3,032.00           5 <sup>th</sup> Year         0         0.00         3,032.00           5 <sup>th</sup> Year         0         0.00         3,032.00 |

|           |  | Abst            | ract for 3 ha.                    |                  | -                  |
|-----------|--|-----------------|-----------------------------------|------------------|--------------------|
| SL<br>No. | -Vear  | No. person days | Labour Cost @ Rs. 326/<br>per day | Material<br>Cost | Total Cost<br>(Rs) |
| 1         | 0th Year   | 0               | 0.00                              | 0.00             | 0.00               |
| 2         | 1st Year   | 0               | 0:00                              | 60645.00         | 60,645.00          |
| 3         | 2ºº Year   | 0               | 0.00                              | 9096.00          | 9,096,00           |
| 4.        | The same of the sa | 0               | 0.00                              | 9095.00          | 9,696.00           |
| 5.        | 4 <sup>th</sup> Year   | 0               | 0.00                              | 9096.00          | 9,096,00           |
| 6         | 5th Year   |                 | 0.00                              | 9096.00          | 9,096,00           |
| -         | Tota   | 1 (             | 0.00                              | 97029.00         | 97,029.00          |
|           | OI   |                 |                                   |                  | 97,029.00          |

(Rupees Ninety Seven Thousand Twenty Nine)only

RANGE OFFICER SUKINDA RANGE

filteen Haups in floor Lectures Range 51L

ASST. CONSERVATOR OF FORESTS CUTTACK FOREST DIVISION

Asst. Conservator of Forests. Cuttack Forest Division

DIVISIONAL POREST OFFICER CUTTACK FOREST DIVISION

> Olvisional Forest Officer Cuttack Forest Otvision

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| Total Cost      | Spries | 35143 | 150.74     | ******* | 27415   | 70286     |        | 41230   | 44444      | Works.    | 45478 | 42887   | 1000   | 50140 | 45,410  | 22000     | 55279    |
|-----------------|--------|-------|------------|---------|---------|-----------|--------|---------|------------|-----------|-------|---------|--------|-------|---------|-----------|----------|
| XXI             |        |       |            |         |         |           |        |         |            |           |       |         |        |       |         |           |          |
| XX              |        | 3     |            |         |         |           |        |         | 1          | 1         |       | -       |        |       |         |           |          |
| XIX             |        |       |            |         |         | M         |        |         |            |           |       |         |        |       |         |           |          |
| XIX HAX HAX IAX |        | 1     | +          |         |         |           | 1      |         |            |           |       |         | -      |       |         |           |          |
| XVII            | 1      |       |            |         |         | 3         |        |         | -          |           |       |         |        |       |         |           |          |
| _               |        |       |            | 1       | Ú       |           |        | Į.      |            |           |       |         |        |       |         |           |          |
| XX              |        |       |            |         |         |           |        |         |            |           |       |         |        |       |         |           | 6000     |
| MA              |        |       |            |         |         |           |        |         |            |           |       |         | 1      |       | 1       | 2717      | 5733     |
| ii X            |        |       |            |         |         |           |        |         |            |           |       |         |        | 5545  |         | 3445      | 5445     |
| NH              |        |       |            |         |         |           |        |         |            |           |       |         | 5186   | 3186  |         | 5185      | 5185     |
| IX.             |        |       |            |         |         |           | 1      |         |            |           | 4930  |         | 1684   | 4070  |         | 4929      | 12928    |
| ×               |        |       |            |         |         |           |        |         | 1          | 4704      | 4994  | Т       | 4704   | LOCAL |         | 31368     | D        |
| IX              |        |       |            |         |         |           |        | 0820    |            | 4480      | 44KBD |         | 44460  | 20867 | -       | 0         |          |
| ATTE            |        |       |            |         |         | 1         | 4256   | 2000    | The second | 4255      | 3368  |         | 28445  | · ·   | -       |           |          |
| 15              |        |       |            |         | 4005    |           | 4063   | - Chris | Sec.       | 1963      | 1000  |         | 0      |       |         |           |          |
| 5               |        | 3662  |            | 3870    | 1870    |           | 3870   | 1476    | 0.000      | 25,000    | 1     |         |        |       |         |           |          |
| .3              |        | 5623  |            | 3883    | 20/05   | 1         | 3683   | 3,5471  | 177000     | .9        |       |         |        |       |         |           |          |
| 24              |        | STATE | 2000       | 35,10   | 14550   |           | 23407  | N       |            | -         |       |         |        |       | 1       | 7         | 1        |
| 100             |        | 47/45 | Section .  | 1343    | 22387   | Discount. | - 0    |         |            |           |       |         |        |       |         |           |          |
|                 |        | 41000 | 21/21/2    | 21226   | 1       | 2         |        |         |            |           |       | V       |        | -     | 1       |           |          |
|                 | -      | - AL  |            | 17      |         | -         | 1      |         |            |           | 1     |         |        | 1     |         |           | 1        |
| Semmon          | Year   |       | Base North | 2021-22 | 200 900 | 2022-63   | MOTOR. | 1       | Man-       | Mr. Scien |       | 72-0797 | 36,000 |       | 2008-23 | SAVED THE | March 11 |

DIVISIONAL/FOREST OFFICER
CUTTACK FOREST DIVISION
Divisional Forest Officer
Duffson, Forest Officer

(Rupees Thirty-Seven Thousand Four Hundred Fifteen) Only

| -    | Water Model-W-II  |            |  |  |  |  |
|------|---|------------|--|--|--|--|
| _    | Water provision to Plantation   |            |  |  |  |  |
|      | Diesel Pump set with Bore well (1 pump set + Bore well for 5 ha plantation), Wa @ 326/-         | ge Rato    |  |  |  |  |
|      | Year of Installation (0th Year)   |            |  |  |  |  |
| 1    | Cost of Bote 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  |            |  |  |  |  |
| A    | Water Storage Tunks/ Flexible pipes 15,000.00   |            |  |  |  |  |
| 4- 1 | Total 2,55,000.00   |            |  |  |  |  |
|      | t of Water per Plant(2,55,000/5000)=Rs.51/-   | 51,000.00  |  |  |  |  |
| GES. | if of Water per Ha.=Rs.51,000/-   |            |  |  |  |  |
| _    | 1" Year Watering  | 1          |  |  |  |  |
| 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 with7 days rotation 20 MD x 5Menter 100 MDx326=    | 32,600:00  |  |  |  |  |
|      | Total   | 53,600.00  |  |  |  |  |
|      | 2 <sup>nd</sup> Year Watering   |            |  |  |  |  |
| 1    | Recutring expenditure i.e. Diesel , Mobil, Engine Oil, Etc for pumping Water-<br>24x1000=       | 21,000:00  |  |  |  |  |
| 2    |   | 7,650.00   |  |  |  |  |
| 3    | Watering 1000 plants (Nov-Mar) @200plants/MD with7 days rotation 20 MD x 8<br>Month=160 MDx326= | 52,160.00  |  |  |  |  |
|      | Total   | 80,810.00  |  |  |  |  |
|      | 3 <sup>rt</sup> Year Watering   |            |  |  |  |  |
| ı    | Recurring expenditure i.e. Diesel , Mobil, Engine Oil, Etc for pumping Water-<br>21x1000=       |            |  |  |  |  |
| 2    | 2 Maintenance of pump set etc@15% of the installation Cost                                      |            |  |  |  |  |
| m    | 3 Watering 1000 plants (Nov-Mar) @200plants/MD with7 days votation 20 MD x 8 Month=160 MDx326=  |            |  |  |  |  |
|      | Tota  | 1 80,810.0 |  |  |  |  |
|      | 4th Year Watering   |            |  |  |  |  |
| 1    | Recurring expenditure i.e. Diesel , Mobil, Engine Oil, Etc for pumping Water-<br>21×1000=       | 21,600.0   |  |  |  |  |
| 100  |   | 7,650.0    |  |  |  |  |
| 7    | Watering 1000 plants (Nov. Mar) (in 200 plants/MD with 7 days rotation 70 MD v 8                | 52,160.0   |  |  |  |  |
|      | Total   | 1 80,810.0 |  |  |  |  |
|      | 5th Year Watering   |            |  |  |  |  |
| 1    | Recurring expenditure i.e. Diesel , Mobil, Engine Oil, Etc for pumping Water-<br>21x1000=       | 21,000.0   |  |  |  |  |
|      | Mointenance of pump set etc@ 15% of the installation Cost                                       | 7,650.0    |  |  |  |  |
| 1    | Watering 1000 plants (Nov-Mar) @200plants/MD with7 days rotation 20 MD n 8<br>Month=160 MDx326= | 52,160.0   |  |  |  |  |
| -    | Teta  | 80,810.0   |  |  |  |  |

| -         |                      |                    | Alistract for I                   | ha.           |                  |
|-----------|----------------------|--------------------|-----------------------------------|---------------|------------------|
| SŁ<br>No. | Year                 | No. person<br>days | Labour cost @ Rs.326/-<br>per day | Material Cost | Total cost (Rs.) |
| 1         | 0" Year              | 0                  | 0.00                              | \$1,000,00    | 5),000,00        |
| 2         | 1" Year              | 100                | 32,600,00                         | 21,000,00     | 53,600.00        |
| 1         | 2º Year              | 166                | 52,160.00                         | 28,650,00     | 80,8(0.00        |
| 4         | 3rd Year             | 160                | 52,160.00                         | 28,650.00     | 80,810 00        |
| 5         | 4th Year             | 160                | 52,160,00                         | 28,650,00     | 80,810,00        |
| 6         | 5 <sup>th</sup> Year | 160                | 52,160.00                         | 28,650.00     | 89,810.00        |
|           | Total                | 740                | 2,41,240.00                       | 1,86,600,00   | 4,27,840.00      |

| -          |                      |                    | Abstract for 3   | L hipt.           |                      |
|------------|----------------------|--------------------|--|-------------------|----------------------|
| St.<br>No. | Vear                 | No. person<br>days | Labour cost @ Rs.326/-<br>per day  | Material Cost     | Total cost (Rs.)     |
| 1          | 0 <sup>th</sup> Year | 0.0                | 0.00   | 1,53,000.00       | 1,53,000.00          |
| 2          | T" Year              | 390,0              | 97869.00   | 63,000.00         | 1,60,860.00          |
| 3          | 2nd Year             | 480.0              | 156480.00  | 85,950,00         | 2,42,430.00          |
| 4          | 3 <sup>ed</sup> Year | 480.0              | 156480,00  | \$5,950,00        | 2,42,430,00          |
| 5          | 1º Year              | 480.0              | The state of the s | 95,950,00         | 2,42,430.00          |
| 6          | 5" Vent              | 480.0              | 156480.00  | 85,950.00         | 2,42,430,00          |
|            | Total                | 2220,0             | 723720,00  | 5,59,800.00       | 12,83,520.00         |
|            |                      | (Rupe              | es Twelve Lakh Eight-Tl  | ree Thousand Five | Hundred Twenty )Only |

RANGE OFFICER SUKINDA RANGE

Shoan dangs tiffices Sukinda Range ASST. CONSERVATOR OF FORESTS CUTTACK FOREST DIVISION

Asst. Conservator of Foress Cuttack Forest Division

DIVISIONAL FOREST OFFICER
CUTTACK FOREST DIVISION
Divisional Forset Officer
Cuttack Perset Division

Page 2 of 2

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|  |                 | E3 131671      | 14363 | 138990   | 113798 175990 | 7182F 11378\$ 135943                    | 113798 175990  | 7182F 11378\$ 135943   | 7182F 11378\$ 135943   | 7182F 11378\$ 135943   |
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|  | 38283 145125    | 131631-1       | 13456 | TOPPE IT | 24363 CAUSE   | 24363 CAUSE                             | 24363 CAUSE  | 24363 CAUSE  | 24363 CAUSE  | 24363 CAUSE  |
| CATIO  | 3973 1451231523 | HISKET I       | Hear  | t°       | 34160         | 34160                                   | 34160  | 34160  | 34160  | 34160  |
| 1251211152120 125598   | -               | 87308          | 11/2  | T        | T             | T                                       | T  | T  | T  | T  |

(Rupees Fire Lakh Fifteen Thousand Kight Bundred Forty-Six) Only

DEVISIONAL POREST OFFICER CULTACK FOREST DIVISION

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).

Emril Id: recrangula qualit.com

Memo No. 3481/5F.FC-)8/2022 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 order 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 order 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.29,15,058/- 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 CCF, Odisha.

Encl: As above.

Regional Chief Conservator of Forests

Memo No. 3482/dated 22.8.22

Copy along with a copy of the above approved scheme forwarded to the Chief Conservator of Forestx (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 DPO, Cuttack Division.

Encl: As above.

Regional Chief Conservator of Forests.

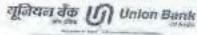
Memo No. 3U8 Yeated. 22, 8-22

Copy forwarded to the Authorised Signatory. Findal Chromite Mines of M/sJindal Stainless limited, Kalinpani. Jajpur for information and necessary action.

Regional Chief Conservator of Forests

SPE .

AGENCY COPY



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NEFT / RTGS CHALLAN for CAMPA Funds

Onte: 30-06-2022

| Agency Name.     | JINDAL STABLESS   |
|------------------|---|
| Application No.  | 5820736763  |
| MnERISO File No. | 8-65/2000-PC PT.  |
| Location.        | ORRISA  |
| Address.         | Jindel Stainless Cinited,<br>kalinga Neger Industriel<br>Complex, Japun, October<br>755 926Jajpur |
| Amount in Raj    | 11273707/-  |

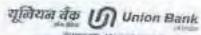
Amount in Words - One Exica Terror Lath Seventy-There
Triuspand Seven Northad and Seven Brown City

NEFT/RTGS to be made as per following details;

| Baneticiary Name:       | DRRISA CAMPA   |
|-------------------------|--|
| FSC Code:               | UBIN(898335  |
| Pay to Account No.      | 159925020736763<br>Valid only for tinis<br>of white arobust.   |
| Bank Name &<br>Address: | Union Bank Of India<br>Leidhi Complex Branch,<br>Block 11.CGO Complex,<br>Phase I, Lodhi Road, Nase<br>Delhi -110003 |

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

BANK COPY







NEFT / RTGB CHALLAN for CAMPA Funds

Date : 30-03-2022

| Agency Name.     | JANDAL STAINLESS   |
|------------------|--|
| Application No.  | 8920736783   |
| MgEF/SG File No. | 8-62/2000-FC PT.   |
| Location         | ORRISA   |
| Address:         | Jindal Stainless Lindau<br>Kalinga Nagar Industrial<br>Complex, Jajpin, Oxialia-<br>755 025 Jajpin |
| Amount(in Rs)    | 11273707/-   |

Amount in Words Time Grow Twelve Loid: Swimt, Thru-Thursday, Seven Hundrell and Seven Repose Coly

NEFT/RTGS to be made as per following details;

| Sanoticiary Name:       | ORRISA CAMPA   |
|-------------------------|--|
| IFSC Code:              | UBIN0998335  |
| Pay to Account No.      | 150525920730763<br>Valid only formus<br>challen amount.  |
| Bank Nama &<br>Address: | Union Bank Of India<br>Lodh) Complex Branch.<br>Block 11,0GO Complex.<br>Phase 1, Lodhi Road, New<br>Delhi -110000 |

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

After making successful payment, User Agencles 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 over after 7 working days, then kindly mell a copy of your challan with transaction date to Emell; cb0371@unionbankofindia.com

UTR NO - CHEBR SAGRA 090289084231





Annexure-B/XV/IV

# 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 Daltari 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division



Jindal Stainless Limited Jindal Chromite Mines

At / PD : Kaliapani - 755 047, Dist. : Jejpur, Odisha, Indie T : +91 6726 268545, F : +91 6726 268315, E : jindal, mines@yahoo.com Registered Office : CJP, Jindal Marg, Hisar : 125 005. (Heryana) India.

Corporate Office: Findal Centre, 12, Bhikaiji Cama Piaco, New Delhi - 110 066, India +91 11 26188345 - 60, F: +91 11 26170591, 26161271, E: Info@jindalsteel.com, Website - www.jindalstainless.com



Annexure- B/yv/-/

## 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

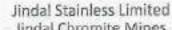
Authorized Signatory (Shib Sankarshan Mahanta)

**Authorized Signatory** 

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





Jindal Chromite Mines
At / PD : Kellapeni - 755 047, Dist. : Jajovr, Odisha, India
1 : +91 6726 268545, F : +91 6728 268315, E : Jindal\_mines@yahoo.com
Registered Office : O.P. Jindal Marg, Hisar - 125 005. (Naryana) India.





Annexure- B/XV/VI

#### CONDITION NO:-B (xvi)

#### UNDERTAKING

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

I, Sri Shib Sankarshan Mahauta 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Grest Officer Cuttack Forest Division



Jindal Stainless Limited



Annexure- B/XV/VII

### 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

**Authorised Signatory** 

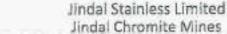
(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





At / PO : Kaliapani - 755 047, Dist. Jajpur, Odisha, India T +91 6726 268545, F +91 6726 268315, E Jindal\_mines@yattoo.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 - 491 11 26188345 - 60, F | 491 11 26170691, 26161271, E | info@jindalsteel.com, Website | www.jindalstainlets.com



No.J-11015/12/2000-IA, II (M)
Clovernment of India
Ministry of Environment & Forests
LA. Division

kkjain@menf.delhl.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 Jindel Strips Ltd. Jindal Centre, 12, Bhile ji Kama Place,

dis riet Jajpur Orissa of M/s Jindal Strips Ltd. - environmental elegrance reg.

This has reference to Department of Steel and Mines, Government of issa's letter 110,7914/SM/VI-SM-108/99 (pr.I) dated 18.07.2000 and your ter No. SL/BHB/2000/051 dated 09.06.2000 and autosequent dated the 26.08,2000, 25.09.2000, 18.11.2000, 11.2000 nm: 19.01.2001 on the subject mentioned above. The Ministry of vironment and Forests has examined the application. It has been noted of the rotal has area of 89,00 has includes 24.24 has of forest land. Mine semi-mechanized. Mining would be restricted to 30.363 ha. Vargeted production expectly of the nune is 0.10 million tonnes/angular. During the hat four years chromite production will be 20,000 TPA. It will be increased 80,000 tennes in the 5th year and 6th year onwards production will be 10,000 TPA. The project does not involve displacement of people a provals from the Orissa Pollution Control Board and IBM have been "Harned. Public hearing was held on 14.03.2000 and the proponent has reed to imple nent adequate environmental protection measures and make a diable adequate funds for improvement of the condition of the area and ripheral area levelopment.

The Ministry of Environment and Forests hereby accords recommental learance to the above chromite mining project for 0.10 from money, mining production capacity under the provisions of the vironmental impact Assessment Notification, 1994 as amended on 05.1994 and 10.04.1997 subject to the compliance of the terms and inditions ment oned below:

# A. Specific conditions

A comprehensive environmental impact assessment study should be crucied out after getting acape of the study vetted by MaEF. Report should be submitted to the Ministry within 2 years.

STATE OF STREET

- (ii) Run-off from the OH dumps should be enalysed 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 quilization of this treated water for plantation and dust suppression.
- the proponent should approach MoEF for fresh clearance.
  - (iv) A detailed greenbelt development plan indicating year-wise plantation scheme, men to be covered (peripheral, roads, Off-dumps, township) and type of nature-splant-species should be submitted to MoEF within 3 months.
  - (v) Top soil should be stacked properly with adequate measures at entire recharation and entire site. It should be used from recharation 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) I rills should be operated with dust extractors or only wet drilling should be adopted.
  - (viii) Controlled blasting should be carried out.
  - (ix) theck dam and sitution ponds of appropriate size should be constructed to arrest silt and sediments flows from OB and mineral cumps. The water so collected should be willized for watering mine area, roads, greenbelt etc. The drafts should be regularly desired 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),

All India

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 decommonioning plan about the authorited to MoEF 5 years in advance for approval.
- (xii) The proponent should obtain permission from other concerned nuthorities, if any.

## A. GENERAL CONDITIONS

- No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
- No change in the calendar plan including excavation, quantum of chromits ore, waste/ OB dumps should be made.
- (iv) Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bhubaneshwar 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 tiden 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 blinistry of Environment & Forests.

ENGINE SUMMERS

- The Regional Office of this Ministry located at Bhubangshwar shall monitor compliance of the supulated environmental safeguards. The project authorities should send one set of ElA/EMP report and mining plan to them and extend full cooperation to the officer(s) of the Regional Office by furnishing the compliance of the data/information/monitoring reports.
- The project methority should inform in the Regional Office located at Bhubaneshwar 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/ total NGO, if any, from whom any suggestion/ representation has been received while processing the proposal.
- (xii) Orissa Pollution Control Board should disputy a copy of the clearance letter at the Regional office, District limitarry Centre and Collector's office/ Tr haildar's Office for 30 days.
- The project authorities should advertise at least in two local newspapers widely elecutived mound the project, one of which shall be in the vernacular language of the local concerned informing that the project has been accorded environment of the clearance letter is available with the same Pollution Control Board the clearance letter is available with the same Pollution Control Board and may also be seen at web site of the mistry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a>,
- 3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

On remove they at you

- 4. Failure to comply with any of the completes mentioned above may result in with rawal of this clearance.
- 5. The above conditions will be enforced, alia, under the provisions of water (Prevention & Control of Pollution). 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and Public Liabilit / Insurance Act, 1991 along with their amendments and rules.

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

3<sup>rd</sup> Floor, Vayu Wing, Indira Paryavaran Bhawan, Jorbagh Road, Aliganj, New Delhi-110 003 E-mail: sridhar-mef@nlc.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-11015/369/2009-1A.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 31<sup>st</sup> 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. ISL 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 staked 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 solld 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.
- 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 Srikanta 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.
- 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 manitoring 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 iii 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 Shubaneswar, the Central Ground Water Authority and the Regional

Page 3 of 7

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 banches 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.

(Sevi) 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.

(iivx) 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.

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.

(iiivx)

(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) Sultable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central

Ground Water Board.

(lixx) 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 Pan 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

- No change in chrome Ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- No change in the calendar plan including Processing/Beneficiation of mineral Iron are 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<sub>10</sub>) and NO<sub>x</sub> 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.

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(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.

(xl) 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.

(xiii) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment, 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 or monitored data on their website and shall update the same periodically. It shall simultaneously he 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 Parisad/ 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.

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.

(xiv)

(xv) The environmental statement for each financial year ending 31" 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, Bhubarieswar 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 website of the Ministry of Environment, Forest & Climate Change at http://envior.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.

- The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 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-alla, 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.
- 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:

- 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, CBDcum-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, Bhubaneshwar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parlyosh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneshwar-751012.
- (VIII) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Unes, 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'

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Pro-Active and Responsive Facilitation by Interactive,

and Virtuous Environmental Single-Window Hub



#### 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 line SEIAA vide proposal number SIA/OR/MiN/37642/2000 dated 14 Jun 2013. The particulars of the environmental clearance granted to the project are as below.

EC Identification No. 1.

2. File No.

3. Project Type

4. Category

5. Project/Activity Including Schedule No.

6.

Name of Project

Name of Company/Organization JINDAL STAINLESS LIMITED

TOR Date

8. Location of Project EC22B001OR115726

37642/01-MIN-V/06-2019

Expansion

B4

1(a) Mining of minerals

Jindal Chromite Mines, Village-Kaliapani, Tehsil Sukinda, District-Jajpur, Odisha

Orissa

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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# 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. Bhubanoswer-751022, Tel: 0674-2541029, E-mail-selaaodssa@gmail.com

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|-------------|------|
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#### 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 14.06.2019for 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).

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.

 The brief of the project submitted by PP and discussed in the meeting of SEIAA & SEAC are as follows:-

 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.

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 McEF&CC for obtaining Environment Clearance (EC) and was presented for ToR on 22<sup>nd</sup> January, 2010.

- 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 31th 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 are from 0.1 MTPA to 0.215 MTPA, which was considered by the EAC, MoEF&CC, Govt. of India on 21"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.
- 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 2006-97 to 2007-08 and treated as Violation case on 21/02/2018.
- 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.

The MoEF&CC, GovL 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-IA.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-IA.II(M) dated 13/02/2001 and J-11015/359/2016-IA.II(M) dated 24.02.2015.

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, dated07 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.

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 penod 2012-13 to 2016-17 vide letter ho. 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 31stMarch 2022 vide letter No. MS/FM/13-ORI/BHU/2016-17/7383, dated 29th December, 2016.

The total mine lease area is 89.0 Ha and stage-1 forest clearence (FC)was obtained earlier for 22.80 ha forest land vide letter no 8-68/2000-FC/2327(F), dated 5"July 2001. As per Hon'ble Supreme Court guidelines of 10" 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 86.20 ha forest land vide letter no. B-68/2000-FC (Pt.) on dated 29" 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

- 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 substating 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.
- Axiii. 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.
- strv. 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, but 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.
- Axviii. Damsala Nala is the main perennial which flows in the south west direction and is located lowerds 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.

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 Hor/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 Flan 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 additional to the above mentioned amount. The SEIAA have already addressed the Govt, of Odisha to

launch prosecution under section 19 of EP Act, 1966 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:

- 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 ×200m width.
- b. There is no wildlife sanctuary within 10km radius of the mining lease area as the leas mining located within forest land the degradation of forest land due to mining activity and impact on wildlife. Accordingly, the PCCF(vVIIdlife) & 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 are from 1.0 MTPA to 0.215 MTPA over an lease area 89 Ho with common boundary forest block 27 located at village-Kaliapani, Tahasii-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 safeguerds mentioned below:
  - a The SEAC and SEIAA recommended for an amount of Rs.5,29,23,900/lowards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years.
  - 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 Dharmasala 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 slipulated 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:

#### 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-Coll, Cr+6Conc. 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 zo and SPM to 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 × 200 m width × 8 meter depth.
- 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.
- B. 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 construction with the concerned authority of the Govt, and to this effect, the proponent shall submit an undertaking in form of a legal attidavit.
- 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 expen to be railfied / 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 sapilings 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 geolocation date & time), purchase documents, photographs & Geo-location of the intrastructures/facilities developed, etc. to the Regional Office of MoEF&CC, Bhubaneswar and SEIAA, Odisha before 1º July and 1st December of every year for

the activities carried out during previous year,

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 Decamber of every year for the activities carned 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

28. 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.

- 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.
  - 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 littled with sensors shall be mounted on all moving transport vehicles like trucks, etc. carrying are/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.
  - Transportation of all ores and minerals shall be carried out in covered trucks, and these vehicles shall not be overloaded
  - Haulage roads shall be provided with permanent water sprinkling and welting 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

- 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.
- 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.
- B) 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.
- 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.
- The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the
- State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parlvesh.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

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, N02, CD and S02 etc. as per the methodology mentioned in NAAQS Notification No. B-29015/20/90/PCI/I, 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 Fugilitie 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. If 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 hydrogeological 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 wall 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 guilles shall be provided at appropriato places within the lease for management of water. PP shall carryout regular monitoring wir.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis sultability 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.

(7) 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.

 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.

### 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 solf etc. No change in basic mining proposal like miningtechnology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management., O.B & durop 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 entall 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 to 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 earmerked 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 guilles formed an 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 Soll/OBA/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

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/ sill 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 regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- 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 librough villages/ habitations. In such cases, PP shall construct a 'bypase' 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 Belf

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.

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 septings 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 launa and Schedule-1 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

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.
- 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 defectae 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.
- 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).

- 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 pan. 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 intrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crecks 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 experi 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-IA.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 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. Odishal along with the Six Monthly Compliance Report.

59) The mine shall implement the Pollution Control Measures and sateguards 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) If 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 (SE/AA),Odisha, SPCB & Regional Office of the Ministry of Environment & Forest, Odisha in hard and soft copies on 1<sup>st</sup> June and 1<sup>st</sup> 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 31<sup>st</sup> 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.

Member Secretary

Yours faithfully,

| Memo No | / Dt. |  |
|---------|-------|--|
|         |       |  |

 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.

Additional Chief Secretary, Forests & Environment Dept., Government of Odisha for Information.

 Member Secretary, State Pollution Control Board, Odisha. Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.

 Additional Principal Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.

 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.

 Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information.

8. Guard file for record.

A

Member Secretary

Signature valid

Murugesan Member Secres Date: 4/4/2022 3:51

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Annexure- 8/XV/TX

#### CONDITION NO:-B (xv)

#### 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 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

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisioner Forest Officer Cuttack Forest Division





Annexure- 8/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

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division



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@yehuo.com Registered Office : O.P. lindai Marg, Hisar - 125 005. (Haryana) India Corporate Office : Jindai Centro, 12, Bhikaiji Cema Place, New Delhi - 110 066, India





Annexure- P/XV/XT

# CONDITION NO:-B (xvii) UNDERTAKING

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

i, Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindai 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Division Torest Officer Cuttack Forest Division



Jindal Stainless Limited

Jindal Chromite Mines

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

T: +91 6726 268545, F: +91 6726 268315, E: andal\_mines@yahoo.com

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

Corporate Office : Jindal Centre, 12, Shikajij Cama Place, New Delni - 110 066, India T +91 11 26188545 - 60, F : +91 11 26170691, 26161271, E : Info@jindalsteel.com, Website : www.jindalstainless.com



Annexure- 8/W/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

**Authorised 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@yahno.com Registered Office : O.P. Jindal Marg, Hisar - 125 035 (Haryana) India: Corporate Office : Andal Centre,12, Bhikaiji Carna Place, New Delhi - 110 066, India

T 491 11 25188345 - 60, F +91 11 26170691, Z6161271, E info@jindalsteel.com, Website www.indistrainless.com



Annexure- B/XV/Y/

# 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

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Brest Officer Cuttack Forest Division





Annexure- BINITY

### 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 nasting trees are to be cleared.

For Jindal Stainless Limited

Jindal Staipless Limited

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Division Forest Officer Cuttack Forest Division





Annexure- 5/10/1XV

#### CONDITION NO:-B (xxi)

#### UNDERTAKING

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

I, Sri Shib Şankarshan 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

Jineal Stainless Limited

Authorised Signaten

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





Annexure- 8/W/XVI

### 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://pariyesh.nic.in/).

For Jindal Stainless Limited

Jinest Stainless Limited

Authorised Signatory

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Forest Officer Cuttack Forest Division





Annexure- 8 / Y//XV/1

#### CONDITION NO:-B (xxiii)

#### UNDERTAKING

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

 Sri Shib Sankarshan Mahanta AGM(ER) & Authorized Signatory of Jindal Stainless Limited to 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 Limite:

Authorised Signator

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Perest Officer Cuttack Forest Division



T:+91 11 26188345 - 60, F:+91 11 26170591, 26161271, E. info@ljindaisteel.com. Website: www.jindaistainless.com



Annexure-

B/XV/XVIII

### CONDITION NO:-B (xxiv)

#### 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

Authorised Signator

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional Grest Officer Cuttack Forest Division





Annexure- 5/Y//XIX

# 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 Stainlass Limited

**Authorised Signatory** 

(Shib Sankarshan Mahanta)

Authorized Signatory

COUNTERSIGNED

Divisional - at Officer Cuttack Forest Division







