



To

The Divisional Forest Officer,
Keonjhar Division, Keonjhar,

Ref No-TIMM/L&L/ 98 /2024

Date- 21.02.2024

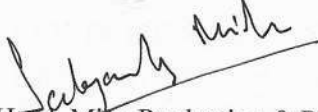
Sub:- Proposal Diversion of balance forest of 80.826Ha (16.566ha of forest land and 64.260Ha of non-forest land recorded as forest as on 25.10.1980) including 3.916Ha of forest land in safety zone and 1.129Ha of forest land in green belt in addition to 52.348Ha of forest land already diverted (total forest land of 133.174Ha in ML) within the total mining lease area over 169.00Ha of Tiringpahar Iron & Mn. Mine of M/s Tata Steel Ltd. in Keonjhar District, Odisha during extended ML period as per MMDR (Amendment) Act, 2015.

Dear Sir,

We enclose herewith the compliance report along with the annexures in consonance to the conditions stipulated in the Stage-I approval granted by MoEF & CC vide F. No. 8-01/2019-FC dated 02.08.2019 and condition imposed by the State Government vide F. No. 10F (Con.) 140/16 - 16128 F&E, Bhubaneswar dated 22.08.2019 in respect of Tiringpahar Iron & Manganese Mine of M/s. Tata Steel Ltd.

In view of the above, we request your good self to kindly acknowledge the same and process the proposal for grant of Stage-II Forest Clearance or Final Approval. Highly obliged

Thanking you,
Yours faithfully,
F: TATA STEEL LTD.


Head, Mine Production & Planning
Tata Steel Ltd.

Encl. as above

TATA STEEL LIMITED

Manganese Group of Mines, Joda, Ferro Alloys & Minerals Division, At. P.O.: Bichakundi, Via: Joda

Dist: Keonjhar, Odisha-758034

Phone No 9238101370(O)

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India

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Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

COMPLIANCE REPORT OF THE CONDITIONS IMPOSED BY THE GOVERNMENT OF INDIA, MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (FC DIVISION) IN THE STAGE-I APPROVAL ACCORDED VIDE F. No. 8-01/2019 DATED 02.08.2019 FOR DIVERSION OF 80.826 HA OF BALANCE FOREST LAND WITHIN TIRINGPAHAR IRON & MN. MINE OF M/s TATA STEEL LTD.

CONDITION (i): Legal Status of the diverted forest land shall remain unchanged.

COMPLIANCE: - The legal status of the diverted forest land shall remain the same.

CONDITION (ii): Compensatory Afforestation shall be raised over equal identified non-forest land (NFL) land within three years from the date of Stage-II and maintained thereafter by the Forest department at the cost of the User Agency and at least 1000 plants per hectare shall be planted over identified non-forest land. If it is not possible to plant so many saplings in the area identified for CA, the balance saplings will be planted in any other forests as per prescriptions of approved working plan with provision for ten years on subsequent maintenance;

COMPLIANCE: - An area of 64.260 ha (against Non-forest land recorded as forest in Government records as on 25.10.1980) and 13.798 ha (against balance forest land) of non-forest Government land has been allotted for Compensatory Afforestation at Asanbahali village, under Kankadahad Tahasil of Dhenkanal district and Kaliapani village, under Telkoi Tahasil of Keonjhar district respectively. Apart from the above, an area of 99.00 ha of degraded forest land has been earmarked within Renda PRF under Keonjhar Forest Division for accommodating the balance sapling out of 1000plants/ ha, which cannot be accommodated in the allotted Compensatory Afforestation land. The cost of the aforesaid plantation as per the prevailing wage rate has already been borne by the U.A, as per demand letter given by the Divisional Forest Officer, Keonjhar. The copy of the demand letter along with receipt of the payment made thereto is annexed herewith as **ANNEXURE-I.**

CONDITION (iii): State Government shall submit detail status of reclamation done by the user agency till date. State Government may also see if the user agency had resorted to any violation in respect of any condition stipulated in reclamation plan approved by IBM.

The above condition of Stage-I (In-Principle Approval) has been modified by MoEF & CC vide F.No.8-01/2019-FC dated 02.11.2020 and the modified condition imposed by MoEF & CC is quoted hereunder;

“State Government shall see if any violation has been committed in respect of any condition stipulated in reclamation plan approved by IBM”.

COMPLIANCE: - The user agency has complied to the condition stipulated in reclamation plan approved by IBM and till date no violation or observation has been reported from either IBM or State Government.

CONDITION (iv): State Government shall ensure that 46 ha out of the 80.826 ha un-diverted forest land having vegetation density of more than 0.4, is maintained as green cover, till a comparable area is reclaimed and vegetated.

The above condition of Stage-I has been deleted by MoEF & CC vide F.No.8-01/2019-FC dated 02.11.2020.

COMPLIANCE: - Not applicable as the aforesaid condition has been deleted by MoEF & CC vide F.No.8-01/2019-FC dated 02.11.2020 and the same is annexed herewith as **ANNEXURE-II.**

CONDITION (v): The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the orders of the Hon'ble Supreme Court of India dated 28.03.2018, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No. 202/1995 and the guidelines issued by this Ministry vide letter No. 5-3/2007-FC dated 05.02.2009. The requisite funds shall be transferrable through online portal into Ad-hoc CAMPA account of the State Concerned;

COMPLIANCE: - The User agency has deposited an amount of Rs. 12093180 on 01.07.2010 through SBI Demand Draft No 771230 as per demand of Divisional Forest Officer, Keonjhar Forest Division vide Memo No. 243/Mining dated 19.06.2010 towards NPV of the balance Hal forest land of 16.566 ha and deposited an amount of Rs. 46909800 through RTGS vide UTR No. SBIN516173371865 dt 21.06.2016 in accordance to the demand of Divisional Forest Officer, Keonjhar Forest Division vide Memo No. 4543/Mining dated 17.06.2016 towards NPV against an area measuring 64.260 ha of Non-forest land recorded as forest in Government records as on 25.10.1980.

The demand letters of Divisional Forest Officer, Keonjhar Forest Division and payment details thereof towards NPV of the balance forest land are enclosed herewith as **ANNEXURE-III series.**

CONDITION (vi): At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User agency shall furnish an undertaking to pay the additional amount of NPV, if so determine, as per the final decision of the Hon'ble Supreme Court of India;

COMPLIANCE :- During processing of the diversion proposal, the user agency has already furnished an undertaking to pay the additional amount of NPV, if so determine, as per the final

decision of the Hon'ble Supreme Court of India. The copy of the Undertaking is annexed herewith as Annexure-IV.

CONDITION (vii): The identified non-forest land for raising Compensatory afforestation shall be transferred and mutated in the name of forest department and notified as RF/PF prior to Stage-II approval.

COMPLIANCE: - The identified non-forest land for raising Compensatory afforestation has been transferred and mutated in the name of forest department and the Compensatory Afforestation land under Dhenkanal Forest Division has been notified as "**Asanbahali Protected Forest**" vide Notification No.FE-DIV-FLD-0067-2021-8043/F&E dated 22.04.2021 and the Compensatory Afforestation land under Keonjhar Forest Division has been notified as "**Kaliapani Protected Forest**" vide Notification No.FE-DIV-FLD-0067-2021-10901/F&E dated 22.06.2021.

The Record of Rights issued by Revenue Department after transfer & mutation of Compensatory Afforestation land in the favor of State Forest Department and the PF notification thereof are enclosed herewith as ANNEXURE-V Series.

CONDITION (viii): The land identified for the purpose of CA shall be clearly depicted on a Survey of India topo sheet of 1:50,000 scale.

COMPLIANCE: -The user agency has already annexed the CA map on a Survey of India topo sheet of 1:50,000 scale in the forest diversion proposal and also annexed true copy of the same as ANNEXURE-VI.

CONDITION (ix): The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;

COMPLIANCE: - The User Agency has transferred the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department as per approved scheme under appropriate provision for anticipated cost increase for works scheduled for subsequent years, in the account of CAMPA through online portal. The true copy of the screenshot of the online page of the PARIVESH Portal showing the status of payment is annexed herewith as Annexure-VII.

CONDITION (x): All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only through e-portal (<https://parivesh.nic.in>). Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.

COMPLIANCE: - The funds received from the user agency may kindly be transferred/deposited in CAMPA account only through e-portal (<https://parivesh.nic.in>).

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

COMPLIANCE: - The final compliance report has been uploaded by the U.A. on e-portal (<https://parivesh.nic.in>).

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

COMPLIANCE: - The period of diversion of the forest land is co-terminus with the period of mining lease granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under.

CONDITION (xiii): The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;

COMPLIANCE:- Ministry of Environment & Forests, Government of India vide letter No. J-11015/87/2004-IA. II (M) on dated 17.11.2005 has accorded Environment Clearance in respect of Tiringpahar Iron & Manganese Mine. However, recently on dated 23.12.2022, the State Environment Impact Assessment Authority, Odisha has granted amendment in Terms of Reference vide proposal No. SIA/OR/MIS/280602/2022 for expansion plan together with ratification of existing EC from EIA 1994 to EIA 2006 and presently it is under active consideration of the Ministry. Further, public hearing in respect of the Tiringpahar Iron & Mn. Mines has also been completed successfully on dated 29.07.2023.

CONDITION (xiv): The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector;

COMPLIANCE: -The District Collector, Keonjhar vide No. 393/Rev./Dt. 12.02.2024 issued a certificate of competition of the process of settlement of rights under the Scheduled Tribe and Other Traditional Forest Dwellers (Recognition of Forest Rights Act), 2006 in favour of the proposed area measuring 80.826Ha to be diverted under villages Guruda, Palasa (Kha), Khandabandh and Jadibahal under Barbil Tahasil in Keonjhar District.

CONDITION (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.

COMPLIANCE: - No labour camp has been established on the forest land within the leasehold and benefits like electricity, at subsidized rates is being provided to labourers and the staff working at the site by the User Agency to avoid any damage and pressure on the nearby forest areas.

CONDITION (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 Co-ordinates;

COMPLIANCE: - The boundary of the diverted forest area has been demarcated using four feet high reinforced cement concrete pillars, with each pillar inscribed with serial number, distance from pillar to pillar and GPS Co-ordinates. All the boundary pillars fixed earlier are as per the Gazette Notification no. 518 date 08.10.2014 and the User Agency has been maintaining the pillars on periodical basis.

CONDITION (xvii): 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;

COMPLIANCE: - The forest land proposed for diversion will not be transferred to any other agency, department or person without prior approval of the Central Government.

CONDITION (xviii): No damage to the flora and fauna of the adjoining area shall be caused;

COMPLIANCE: - The U.A do hereby undertake that the U.A. shall ensure that no damage is caused to the flora and fauna of the adjoining area. The undertaking to this effect is provided herewith in the ANNEXURE-IV.

CONDITION (xix): The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;

COMPLIANCE: - The UA do hereby undertake that the U.A. shall explore the possibility of translocation of maximum number of trees identified to be felled. Trees shall be felled only when it becomes necessary and that to under strict supervision of the State Forest Department. The undertaking to this effect is provided herewith in the ANNEXURE-IV.

CONDITION (xx): The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined-out 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 Dy. Director General (Central) may direct that the mining activities shall remain suspended till such time, reclamation activities area satisfactorily executed;

COMPLIANCE: - The Review of Mining Plan along with Progressive Mine Closure Plan was submitted to Indian Bureau of Mines (IBM) under Rule 17(2) of the MCR, 2016 & Rule 23 of the MCDR, 2017 and duly approved vide letter no. RMP/A/07-ORI/BHU/2020-21, Dtd. 31.07.2020 for the period 2020-25. The reclamation and rehabilitation as proposed in the approved Review of Mining Plan along with Progressive Mine Closure Plan is being furnished below in Table No. 01. The compliance status during 2023-24 is being furnished in Table No.02.

This is pertinent to mention that, reclamation of quarry by back filling has been proposed to be carried out during 2023-24 subsequent to exhaustion of mineral from the pit. However, rehabilitation of the dump is being carried out as per the approved Progressive Mine Closure Plan. Total 6593 nos. of saplings has been planted during 2022-23 against the proposal of 2900 Nos.

The annual compliance report for Progressive Mine Closure Plan as per the Table No. 1 shall be submitted before 1st July every year under Rule 26(2) of the MCDR, 2017 to IBM and copy of the same shall also be marked to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. Further the entire self-compliance report is also submitted to the nodal officer and regional office of MoEF &CC.

Table No. 01

Items	Details	Proposal during the Plan Period (2020-21 to 2024-25)					
		2020-21	2021-22	2022-23	2023-24	2024-25	Total
Dump Management	Area Afforested (hect.)						
	Guruda - A	2.37	1.89	1.16	2.00	1.38	8.80
	Guruda - B	0	0	0	0	0	0
	Total	2.37	1.89	1.16	2	1.382	8.802
	No. of Saplings to be Planted						
	Guruda - A	5925	4725	2900	5000	3455	22005
	Guruda - B	0	0	0	0	0	0
	Total	5925	4725	2900	5000	3455	22005
	Cumulative no. of plants						
	Guruda - A	108862	113587	116487	121487	124942	124942
Management of worked out benches	Guruda - B	59083	59083	59083	59083	59083	59083
	Total	167945	172670	175570	180570	184025	184025
	Cost including watch and care during the year	237000	189000	116000	200000	138200	880200
	Area available for rehabilitation (ha.)	Nil	Nil	Nil	Nil	Nil	Nil
	Afforestation done (ha)	Nil	Nil	Nil	Nil	Nil	Nil
	No. of saplings planted in the year	Nil	Nil	Nil	Nil	Nil	Nil
	Cumulative no. of plants	Nil	Nil	Nil	Nil	Nil	Nil
	Any other method of rehabilitation (specify)	Nil	Nil	Nil	Nil	Nil	Nil
	Cost including watch and care during the year	Nil	Nil	Nil	Nil	Nil	Nil
	Void available for Back Filling (L x B x D) pit wise						
Reclamation and Rehabilitation by Back Filling	Guruda - A	0	0	0	2010	0	2010
	Guruda - B	0	0	0	0	0	0
	Total	0	0	0	2010	0	2010
	Void filled by waste / tailings (cum)						
	Guruda - A	0	0	0	0	0	0
	Guruda - B	0	0	0	0	0	0
	Total	0	0	0	0	0	0
	Afforestation on the back filled area	Nil	Nil	Nil	Nil	Nil	Nil
	Rehabilitation by making water reservoir	Nil	Nil	Nil	Nil	Nil	Nil
	Any other means (specify) (at Guruda - A)						
	Plantation over Back filled area (ha.)	0	0	0	0	1.268	1.268

Table No. 01

Items	Details	Proposal during the Plan Period (2020-21 to 2024-25)						
		2020-21	2021-22	2022-23	2023-24	2024-25	Total	
Rehabilitation of waste land within lease	Saplings to be planted over Back filled area (Nos..)	0	0	0	0	3170	3170	
	Cost including watch and care during the year	0	0	0	0	126800	126800	
	Area Available (ha)	Nil	Nil	Nil	Nil	Nil	Nil	
	Area Rehabilitated (ha.)	Nil	Nil	Nil	Nil	Nil	Nil	
	Method of Rehabilitation	Nil	Nil	Nil	Nil	Nil	Nil	
Others (specify)	Retaining wall							
	Guruda - A	573	1000	0	0	0	1573	
	Guruda - B			605	400	345	1350	
	Total	573	1000	605	400	345	2923	
	Garland Drain							
	Guruda - A	573	1000	0	0	0	1573	
	Guruda - B	0	0	605	400	345	1350	
	Total	573	1000	605	400	345	2923	
	Check dam with Settling Pit							
	Guruda - A	0	1	1	0	0	2	
	Guruda - B	0	0	0	1	0	1	
	Total	0	1	1	1	0	3	



To,
**Regional Controller of Mines,
Indian Bureau of Mines,
Plot No. 149, Pokhariput,
Bhubaneswar – 751 020.**

Ref. No. MGM/P&E/230/23
Date : 26.06.2023

Sub: Submission of Annual Report on extent of protective and rehabilitative works carried out during the year 2022-23 at our Manganese Group of Mines, M/s Tata Steel Limited, Joda.

Ref. : Your Letter No. T/MIN-REF/BBS/2000 Vol. VIII, dated 30.07.2009

Dear Sir,

In pursuance with the provisions under Rule 26 (2) of MCDR, 2017, we are enclosing herewith the extent of protective and rehabilitative works carried out as envisaged in the Approved Progressive Mine Closure Plan for our following mines.

1. Joda West Iron and Manganese Mine, Mine Code – 40ORI08019 (Annexure-1)
2. Bamebari Iron and Manganese Mine, Mine Code – 40ORI08003 (Annexure-2) &
3. Tiringpahar Iron and Manganese Mine, Mine Code – 40ORI08033 (Annexure-3)

This is for your kind perusal.

Thanking you,

Yours faithfully,
F: TATA STEEL LTD.


Chief
Agent and Chief, **Mn. Group of Mines**
Manganese Group of Mines
Ferro Alloys & Mineral Division

Encl: As above.

TATA STEEL LTD.

Ferro Alloys & Minerals Division, Manganese Group of Mines, At/P.O. Bichhakundi, Via – Joda,
Dist. Keonjhar, Odisha – 758034, Tel. +91 6372901872, e-mail: mnminesadmin@tatasteel.com
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22 66657724 Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

INFORMATION ON TARGETS AND ACHIEVEMENTS PROPOSAL MADE OF PROTECTIVE MEASURES UNDERTAKEN FOR ENVIRONMENT PROTECTION DURING THE PERIOD FOR 2022-23

NAME OF MINE & LESSEE: TIRINGPAHAR IRON & MANGANESE MINE, TATA STEEL LIMITED

Item	Details	Area (Hect.)		Quantity		Expenditure (Rs)		Remarks
		Proposed	Achievement	Cumulative	Proposed	Achievement	Cumulative	
(A) RECLAMATION & REHABILITATION OF MINED OUT LAND/ AREA	i) Backfilling	Nil	Nil	3.900	Nil	Nil	Nil	Nil
	ii) Afforestation in backfilled area	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	iii) Other (Please specify) e.g. afforestation on exhausted benches	Nil	Nil	2.18	Nil	Nil	Rs. 396220	Carried out during 2018-19 & 2019-20 within the proposed surrendered area (FMCP Approved area) of Tiringpahar Block.
	iv) Pisciculture	Nil	Nil	Nil	Nil	Nil	Nil	
	v) Converting into water reservoir	Nil	Nil	Nil	Nil	Nil	Nil	
	vi) Picnic spot	Nil	Nil	Nil	Nil	Nil	Nil	
	ii) Terracing	Nil	Nil	Nil	Nil	Nil	Nil	
	ii) Pitching	Nil	Nil	Nil	Nil	Nil	Nil	
	iii) Construction of parapet wall/ retaining wall at toe of dumps	0.061	0.0289	2.52	605 m	289 m	Rs. 848154	605m retaining wall was proposed over Mineral Reject Dump #4 & M#4. But the dumps were not developed due to want of Forest Clearance. 289m retaining wall was further strengthened over existing wall.
	iv) Construction of check dams along the slope of valleys etc.	0.0075	0.0075	0.1915	1 No.	1 No.	Rs. 48200	Rs. 435400
(B) STABILISATION & REHABILITATION OF DUMPS (within lease)	v) Construction of settling ponds (Canal drains etc.)	0.0075	0	0.26404	605 m	0 m	Rs. 0	Rs. 333055
	vi) Desilting of settling ponds channels	Nil	0.02	0.02	Nil	9 No.	Rs. 168000	Rs. 512942
	vii) Afforestation on dumps	1.160	1.200	16.96	2900 Nos.	6593 Nos.	Rs. 116000	Rs. 12609952
	viii) Others (Construction of Settling ponds WITH Check dam)	0.009	0.009	0.03	1 No.	1 No.	Rs. 40750	Rs. 138810
	i) Afforestation (green belt building)	Nil	Nil	2.547	Nil	Nil	Nil	Rs. 223046
	ii) Others (Avenue Plantation)	Nil	Nil	14.77	Twice a week Once a month	Twice a week Once a month	Nil	Rs. 770000
(C) REHABILITATION OF BARREN AREA WITHIN LEASE	i) Ambient air quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 750000	Rs. 16137229
	ii) Water quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
	iii) Noise level Survey	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
	iv) Ground vibration	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
	v) Others (Please specify)	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
(D) ENVIRONMENTAL MONITORING (Core Zone)	i) Ambient Air quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
	ii) Water quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
(E) ENVIRONMENTAL MONITORING (Buffer Zone)	i) Ambient Air quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	
	ii) Water quality	Nil	Nil	Being monitored as stipulated in Environmental Clearance & Consent Order	Quarterly	Quarterly	Rs. 1035000	


 Agent & Chief
 Manganese Gr. of Mines
 M/s. Tata Steel Ltd.

Chief
 Group of Mines

CONDITION (xxi): Violation of any of this condition 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.

COMPLIANCE: - The UA do hereby undertake that the UA shall not violate any of the conditions and will operate the mines as per the guidelines issued by the Ministry. The undertaking to this effect is provided herewith in the ANNEXURE-IV.

CONDITION (xxii): The User Agency shall submit the annual self-compliance report in respect of the above stated condition to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly; and

COMPLIANCE: - As directed in the condition the UA has been submitting the compliance as to the State Government, concerned Regional Office and to the Ministry in the end of March every year regularly.

CONDITION (xxiii): The user agency shall comply all the provisions of all the 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.

COMPLIANCE: -The user agency shall comply all the provisions of all the 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

COMPLIANCE REPORT OF THE STAGE-I CONDITIONS IMPOSED BY STATE GOVT. VIDE LETTER NO. 10F (Con) 140/16 16128 F&E, BHUBANESWAR, DATED 22.08.2019 FOR DIVERSION OF 80.826 Ha OF BALANCE FOREST LAND WITHIN TIRINGPAHAR IRON & Mn. MINE OF TATA STEEL LTD.

CONDITION (i): Forest area earmarked as safety zone around the ML area shall be demarcated by posting of pillars of appropriate length, protected, fenced, afforested at project cost. In no circumstances, the area earmarked as safety zone, shall be utilized for any other purpose.

COMPLIANCE: - Forest area earmarked as safety zone around the ML area has been demarcated by posting of pillars of appropriate length, protected, fenced and is being afforested by the user agency. The area earmarked as safety zone, shall not be utilized for any other purpose.

CONDITION (ii): The user agency shall undertake demarcation of the lease area on ground posting six feet high cement concrete pillars embedded two feet inside soil and 4 feet above the ground with serial number, forward and backward bearings and distance from pillar to pillar. The user agency shall also submit the map of lease area showing different kinds of forest land using DGPS survey data and latitude and longitude of each pillar to the Divisional Forest Officer, Keonjhar for his reference before commencement of work on final forest clearance.

COMPLIANCE: - The UA has demarcated the mining lease area and erected on ground by posting six feet high cement concrete pillars embedded two feet inside soil and 4 feet above the ground with serial number, forward and backward bearings and distance from pillar to pillar. The User Agency has already submitted the map of lease area showing different kinds of forest land using DGPS survey data and latitude and longitude of each pillar to the Divisional Forest Officer, Keonjhar for reference.

CONDITION (iii): If applicable, the lessee shall deposit the differential cost towards Comprehensive Wildlife Management Plan at revised rate.

COMPLIANCE: - The lessee do hereby undertake to deposit the differential cost towards Comprehensive Wildlife Management Plan at revised rate, if applicable. The undertaking to this effect is provided herewith in the **ANNEXURE-IV.**

CONDITION (iv): User Agency has to execute Phased Reclamation Plan at their cost.

COMPLIANCE: - The user agency has been executing phased reclamation plan as approved by IBM at its own cost.

CONDITION (v): The user agency shall fell the trees in phases strictly as per requirement with prior permission of Divisional Forest Officer after forest clearance is accorded under FC Act, 1980

COMPLIANCE: - Trees will be felled in a phased manner only after obtaining permission from Divisional Forest Officer, Keonjhar Division after Stage-II approval is accorded under FC Act, 1980.

CONDITION (vi): C.B. analysis is required to be re-assessed as per GoI, MoEF & CC guidelines bearing No. 7-69/2011-FC (Pt) dt.01.08.2017.

COMPLIANCE: - The C.B. analysis submitted along with the diversion proposal was assessed as per GoI, MoEF & CC guidelines bearing No. 7-69/2011-FC (Pt) dt.01.08.2017 and if necessary, it may again be re-assessed.

CONDITION (vii): In case land use plan proposed in the earlier/present forest diversion proposal differs from the land use plan reflected in the approved Mining Scheme, MoEF & CC, guidelines bearing Letter F.No.11-150/2017-FC dt.16.10.2017 prescribing procedure/disposing of proposals for change of land use plan within the diverted forest land of a mining lease vis-a-vis the latest land use plan approved by Indian Bureau of Mines in the Mining Plan/scheme shall be complied with by the lessee.

COMPLIANCE: - The U.A. do hereby agree to comply.



UNDERTAKING

Annexure-I

With reference to the MoEF & CC, Govt. of India letter No. F. No. 8-01/2019FC Dated 02.08.2019 and, Additional Condition imposed by the State Government Vide F. No. 10F (Con) 140/1616128 F&E, Bhubaneswar, dated 22.08.2019 we do hereby undertake that:

1. The Legal Status of the forest land will remain unchanged. [As per condition No. i of MoEF & CC, Govt. of India]
2. To pay the differential cost of NPV as would be decided by the Hon'ble Supreme Court. [As per Condition No. vi of MoEF & CC, Govt. of India]
3. No Labour camp shall be established in the forest land, and alternate fuels shall be provided by the User Agency to the labours and staff working at site. [As per Condition No. xv of MoEF & CC, Govt. of India]
4. The forest land proposed for diversion will not be transferred to any other agency, department, or person without prior approval of the Central Government. (As per condition No. xvii of MoEF & CC, Govt. of India)
5. To ensure that no damage is caused to the flora and fauna of the adjoining area of the leasehold of the UA. (As per condition No. xviii of MoEF & CC, Govt. of India)
6. To explore the possibility of translocation of maximum number of trees identified to be felled. Trees shall be felled only when it becomes necessary and that to under strict supervision of the State Forest Department. (As per condition No. xix of MoEF & CC, Govt. of India)
7. To comply the violation of any condition of Forest Conservation Act, 1980 as prescribed in para 1.21 of Chapter 1 of Handbook of comprehensive guidelines issued by this Ministry's letter No. 5-2/2017-FC, dt.28.03.2019. (As per condition No. xxi of MoEF & CC, Govt. of India)
8. To submit the annual self-compliance report to the State Government, concerned Regional Office and to this Ministry by the end of march every year regularly. (As per condition No. xxii of MoEF & CC, Govt. of India)

TATA STEEL LIMITED

Manganese Group of Mines Joda Ferro Alloys & Minerals Division, At PO. Bichkundri, Via: Joda
Dist. Keonjhar, (Odisha-758034)
Phone No 9238101370(O)
Registered Office: Bombay House 24 Hami Mody Street Fort Mumbai 400 001 India
Tel: 91 22 6665 8282 Fax 91 22 6665 7724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com



9. To comply all the provisions of 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. (As per condition No. xxiii of MoEF & CC, Govt. of India)
10. To deposit the differential cost towards Comprehensive Wildlife Management Plan at revised rate, if applicable. (As per condition No. iii of Additional Condition imposed by the State Government Vide F. No. 10F (Con) 140/1616128 F&E, Bhubaneswar, dated 22.08.2019)
11. The User Agent shall execute the phased reclamation plan as approved by IBM at its own cost. (As per condition No. iv of Additional Condition imposed by the State Government Vide F. No. 10F (Con) 140/1616128 F&E, Bhubaneswar, dated 22.08.2019)
12. The user agency shall fell the trees in phases strictly as per requirement with prior permission of Divisional Forest Officer after forest clearance is accorded under FC Act, 1980 (As per condition No. v of Additional Condition imposed by the State Government Vide F. No. 10F (Con) 140/1616128 F&E, Bhubaneswar, dated 22.08.2019)
13. The User Agency shall comply the following condition "In case land use plan proposed in the earlier/present forest diversion proposal differs from the land use plan reflected in the approved Mining Scheme, MoEF & CC, guidelines bearing Letter F.No.11-150/2017-FC dt.16.10.2017 prescribing procedure/disposing of proposals for change of land use plan within the diverted forest land of a mining lease vis-a-vis the latest land use plan approved by Indian Bureau of Mines in the Mining Plan/Scheme shall be complied with by the lessee". (As per condition No. vii of Additional Condition imposed by the State Government Vide F. No. 10F (Con) 140/1616128 F&E, Bhubaneswar, dated 22.08.2019)

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Keonjhar Division

For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHI MISHRA)
Head Mine Planning
TATA STEEL LTD.

LESSEE

TATA STEEL LIMITED

Manganese Group of Mines Joda Ferro Alloys & Minerals Division: At PO Bichakundi, Via Joda
Dist. Keonjhar, Odisha-758014
Phone No 9238101370(O)
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE, KEONJHAR

No 2173 /Rev/ Dt 26.09.2015

To
The Divisional Forest Officer,
Keonjhar Division.

Sub:- Allotment of non-forest Government land for
Compensatory afforestation.

Ref:- Your letter No2331/Mining/Dt.22.3.2013.

Sir,

With reference to the letters on the subject cited above, I am to say that the following schedule of non-forest Government land has been identified from the Dist land Bank for raising compensatory afforestation in lieu of the forestland proposed to be diverted against mining activities in Tiringpahar Iron & Manganese Mines of M/s. TATA Steel Ltd.

Land Schedule
Village: Kaliapani
Tahasil:-Telkoi

Khata No.	Plot No.	Area in Acre	Kisarn
1	2	5	6
25(AJA)	238	11.8400	Parbat-I
	239/294	1.9580	Parbat-I
	Total	13.7890 Ha.	

2. Further, in pursuance of guideline issued vide letter F.No.11-306/2014-FC dated 07.10.2014 of MOEF & CC, Govt. of India, I am to say that the above schedule of non-forest land identified for the purpose stated above will be transferred and mutated in favour of the State Forest & Environment Department for creation of CA immediately on receipt of stage-I approval under the FC Act for diversion of forest land required by the project proponent.

3. You are requested to file necessary requisition before the Tahasilidar, Telkoi for sanction of alienation in favour of State Forest Department for the purpose after obtaining Stage-I approval from MoEF, Govt. of India.

Yours faithfully,

Collector, Keonjhar

TATA STEEL LTD.
RECEIVED

157 01.06.2015


P.T.O

MANGANESE MINES
BICHAKUNDI

24/09/15


Memo No 2174 /Rev/Dt 26.09.2015

Copy submitted to the Addl. Chief Secretary to Government,
Revenue & D.M. Department, Odisha, Bhubaneswar/ Secretary to Government,
Forest & Environment Department, Odisha, Bhubaneswar for information.


24.9.15
Addl. District Magistrate,
Keonjhar

Memo No. 2175 /Rev/ Dt 26.09.2015


Copy forwarded to the Head Managaneşe Group of Mines;
Bichhakundi, Joda M/s TATA Steel Ltd, At/PO-Joda Dist-Keonjhar for information
and necessary action


24.9.15
Addl. District Magistrate,
Keonjhar

Memo No 2176 /Rev/Dt 26.09.2015

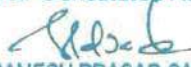
Copy forwarded to the Sub-Collector, Keonjhar/Tahasildar, Telkoi
for information and necessary action with reference to letter No.2206 dt.21.8.2015 &
letter no.2205 dt.21.8.2015 of the Tahasildar,Telkoi respectively.

Copy forwarded to Mining Officer, Keonjhar for information.
Copy to Guard File (Lease Branch).


24.9.15
Addl. District Magistrate,
Keonjhar

FOR TATA STEEL LTD.

By their Constituted Attorney


(GANESH PRASAD SAHU)
Head (Ferro Alloys Production)
Ferro Alloys & Minerals Division)

DISTRICT OFFICE,

No.11-53/16/1185 / Dt. 20.07.2016

The Divisional Forest Officer,
Dhenkanal Division.

Sub: Identification of suitable non-forest Govt. land for compensatory afforestation purpose for SETSPL for forest diversion proposal (FDP) of Iron Ore Mines of Tata Steel in Keonjhar District.

Ref: District Office Letter No.1203/Rev, Dt.20.07.2015 & No.823/Rev, Dt.16.05.2016.

Sir,

With reference to the letters on the subject cited above, I am directed to say that the Head, Land, RM, M/S. Tata Steel Limited has submitted the land plan and land schedule of non-forest Govt. land identified for compensatory afforestation purpose as required against the Projects attached at Annexure-A.

You are, therefore, requested to file necessary requisition in Form No.1A project wise along with other documents, required as per OGLS Act/Rules before the Tahasildar, Kankadahad, for allotment of the identified non-forest Govt. land as per the requirement of M/s. Tata Steel Ltd for compensatory afforestation purpose.

Yours faithfully,

Deputy Collector, Revenue,
Collectorate, Dhenkanal.

✓ Memo No.11-53/16/1185 /Rev, Dt. 20.07.2016

Copy forwarded to the Head, Land, RM, M/S. Tata Steel Limited, O/O. Vice President, Raw Material, Jamshedpur-831001, for information and necessary action with reference to his Letter No.32 & 33/16-17, dt.13.07.2016.

Deputy Collector, Revenue,
Collectorate, Dhenkanal.

Memo No.11-53/16/1187 /Rev, Dt. 20.07.2016

Copy forwarded to the Tahasildar, Kankadahad for information and necessary action.

Deputy Collector, Revenue,
Collectorate, Dhenkanal.

Annexure-A

Land schedule of non-forest Govt. land identified for compensatory afforestation purpose for SETSPL as per the requirement project wise for forest diversion proposal (FDP) of Iron Ore Mines of Tata Steel in Keonjhar District.

Name of Project	Details of area required for CA purpose					Remarks
	Village	Khata No.	Plot No.	Area	Kisam	
Joda West Iron & Mn Mines	Asanabahali	196	28	35.500	Parbat-I	
			885	48.000	Parbat-I	
			28/2387	33.000	Parbat-II	
			215/2390	7.803	Parbat-I	
			885/2393	71.500	Parbat-I	
			Total	195.803		
Bamebari Iron & Mn Mines	Asanabahali	196	57/2388	34.000	Parbat-I	
			36	53.402	Parbat-I	
			67	32.500	Parbat-II	
			127	43.500	Parbat-I	
			Total	163.402		
Tiringpahar Iron & Mn Mines (Guruda Block)	Asanabahali	196	1781	74.039	Parbat-I	
			1782	45.750	Parbat-II	
			127/2389	39.000	Parbat-II	
			Total	158.789		
Khondbond Iron & Mn Mines	Rodanga	268	1	29.739	Parbat-I	
			2	65.250	Parbat-I	
			Total	94.989		
Joda East Iron & Mn Mines	Rodanga	268	3	40.955	Parbat-I	
			Total	40.955		
Katamati Iron Mines	Kerajodi	155	1	15.511	Parbat-I	
			38	13.000	Parbat-I	
			398	21.188	Parbat-I	
			310	16.000	Parbat-I	
			311	24.000	Parbat-I	
			312	34.000	Parbat-I	
			313	17.000	Parbat-I	
			314	19.000	Parbat-I	
			315	30.000	Parbat-I	
			316	17.100	Parbat-I	
			317	0.590	Parbat-I	
			318	24.000	Parbat-I	
			319	27.050	Parbat-I	
			320	72.250	Parbat-I	
			321	20.000	Parbat-I	
			322	14.500	Parbat-I	
			395	32.250	Parbat-I	
			Total	397.439		
		Grand Total		1051.377		

FOR TATA STEEL LTD.

By their Constituted Attorney

(GANESH PRASAD SAHU)

Head (Ferro Alloys Production)
Ferro Alloys & Minerals Division)

Deputy Collector, Revenue,
Collectorate, Dhenkanal.

Annexure 11 Send
Through E-mail



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

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

Memo No. 14673 /9F (MG) - 85/2018
Dated, Bhubaneswar the 26th July' 2022

To

The Divisional Forest Officer
Keonjhar Forest Division

Sub-: Proposal for diversion of 80.826 ha of forest land (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar District, Odisha during extended ML period as per MMDR (Amendment) Act, 2015 - CA Scheme regarding.

Ref-: This Office Memo No. 21943 dated 11.12.2019 and
Memo No. 5173 dated 20.07.2022 of DFO, Dhenkanal division addressed to you

In reference to the above cited memos on the captioned subject, the revised financial outlay for Compensatory Afforestation Scheme over 64.261 ha of non-forest land identified in village Asanbahali under Kankadahada Tahasil of Mahabirod Range of Dhenkanal Forest division against proposed diversion of the above mentioned project has been approved for Rs.3,10,23,800/- (Rupees three crores ten lakhs twenty three thousand and eight hundred) only by CCF (Forest Diversion and Nodal Officer, FC Act) at prevailing wage rate of Rs 326/- per manday which is enclosed.

In this context, you are requested to raise demand on the user agency for payment of the amount through web portal of MoEF & CC and submit the deposit particulars of the amount paid in prescribed format alongwith the updated Stage-I compliance.

Encl- Revised financial outlay

Conservator of Forests (Nodal)

Memo No. _____ Dt _____

Copy forwarded to the RCCF, Rourkela Circle for information & necessary action.

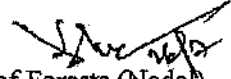
Conservator of Forests (Nodal)

P.T.O

11211

Memo No. _____ Dt _____

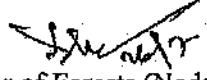
Copy forwarded to the RCCF, Angul Circle for information & necessary action with reference to Memo No. 5172 dated 20.07.2022 of DFO, Dhenkanal Forest division.


Conservator of Forests (Nodal)

Memo No. _____ Dt _____

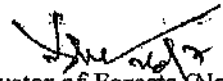
Copy alongwith a copy of the revised financial outlay of CA scheme forwarded to the DFO, Dhenkanal Forest division for information & necessary action with reference to his Memo No. 5171 dated 20.07.2022.

Encl-Revised financial outlay


Conservator of Forests (Nodal)

Memo No. _____ /Dt _____

Copy forwarded to M/s Tata Steel Limited, 273, Bhouma Nagar, Unit-IV, BBSR-1 for information and necessary action.


Conservator of Forests (Nodal)


Revised Financial Outlay for Compensatory Afforestation Scheme over an area of 64.261 ha of non-forest land identified in the village Asanbahali under Kankadahada Tahasil of Dhenkanal District under Mahabirod Range of Dhenkanal Forest Division against diversion of 80.826 ha forest land for Tiringpahar Iron & Manganese Mines (Guruda Block) for Iron Ore Mines in Keonjhar District by M/s Tata Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
1.	Cost of Bald Hill Plantation @ 1600 plants/ ha with 18 months old seedlings without provision of fencing over 21.261 ha @ Rs.4,69,664.58 per ha with 10 years maintenance	99,85,539.00
2.	Cost of ANR without gap plantation over 43.0 ha @ Rs.35,093.10 per ha with 10 years maintenance	15,09,003.00
3.	Additional Soil Conservation Measures:-	
	(i) LBCD of size 10'x 10' x 5' for 20 nos. per ha over 21.261 ha, total 425 nos. @ Rs.8944.16 per LBCD	38,01,268.00
4.	15% of the total plantation cost towards EPA/ Incentive to VSS including monitoring & evaluation	22,94,371.00
	Total	1,75,90,181.00
5.	Add Escalation Cost (20%)	35,18,036.00
6.	Cost of Angle Iron & Chain Link wire mesh fencing over 5.63 Km @ Rs.4,40,299/- per 250 mt/ha with 10 years maintenance (As per approved one-time cost norm)	99,15,533.00
	Grand Total	3,10,23,750.00 or rounded off to 3,10,23,800.00

(Rupees Three Crores ten lakhs twenty three thousand eight hundred) only

Approved


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



Through E-mail



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

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

Memo No. 16516 /9F (MG) - 85/2018
Dated, Bhubaneswar the 24th August' 2022

To

The Divisional Forest Officer
Keonjhar Forest Division

Sub:- Diversion of 80.826 ha of forest land (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar District, Odisha during extended ML period as per MMDR (Amendment) Act, 2015 – Revised financial outlay of CA Scheme @ Rs 326/- per manday regarding.

Ref:- This office Memo No. 15216 dated 31.08.2019.

In reference to the above cited subject, the revised financial outlay for Compensatory Afforestation Scheme over 13.798 ha of non-forest land identified in village Kaliapani under Telkoi Tahasil of Telkoi Range of your division against proposed diversion of the above mentioned project has been approved for Rs 52,74,000/- (Rupees fifty two lakhs and seventy four thousand) only by CCF (Forest Diversion and Nodal Officer, FC Act) at prevailing wage rate of Rs 326/- per manday which is enclosed.

Similarly, the revised financial outlay for Compensatory Afforestation Scheme over 99 ha of degraded forest land identified in Renda PRF under Telkoi Forest Range of your division against proposed diversion of the above mentioned project has been approved for Rs 1,52,59,400/- (Rupees one crore fifty two lakhs fifty nine thousand and four hundred) only by CCF (Forest Diversion and Nodal Officer, FC Act) at prevailing wage rate of Rs 326/- per manday which is enclosed.

In this context, you are requested to raise demand on the user agency for payment of the amount through web portal of MoEF & CC and submit the deposit particulars of the amount paid in prescribed format alongwith the updated Stage-I compliance.

Encl- Revised financial outlay of two schemes

Conservator of Forests (Nodal)

P.T.O

11211

Memo No. 16517 Dt 24.08.2022

Copy forwarded to the RCCF, Rourkela Circle for information & necessary action.

[Signature]

Conservator of Forests (Nodal)

Memo No. 16518

Dt 24.08.2022

Copy forwarded to M/s Tata Steel Limited, 273, Bhouma Nagar, Unit-IV, BBSR-1 for information and necessary action.

[Signature]

Conservator of Forests (Nodal)


Financial Outlay for Compensatory Afforestation Scheme over 13.798 ha of non-forest land identified in village Kaliapani of Telkoi Tahasil under Telkoi Range of Keonjhar Forest Division in respect of the proposal for Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
1.	Cost of ANR Plantation @ 400 plants per ha with 18 months old seedlings over 8.798 ha of non-forest land @ Rs.83,187.53 per ha with 10 years maintenance	7,31,884.00
2.	Cost of ANR without gap plantation over 5.0 ha @ Rs.35,093.10 per ha with 10 years maintenance	1,75,465.00
3. Soil Conservation Measures		
i.	LBCD structure of size 10'X10'X5' @ Rs.8944.16 per structure for 14 nos.	1,25,218.00
ii.	Cost of staggered trenches of size 2.5 mt X 0.5 mt X 0.5 mt of 300 nos. per ha @ Rs.19,560.00 per ha over 13.798 ha	2,69,889.00
Total		13,02,456.00
4.	15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation	1,95,368.00
Total		14,97,824.00
5.	Add Escalation Cost (20%)	2,99,565.00
6.	Cost of Angle Iron & Chain Link wire mesh fencing over 1.974 Kms @ Rs.4,40,299/- per ha/ 250 RMT with 10 years maintenance (As per approved One-time Cost norm for CA)	34,76,600.00
Grand Total		52,73,989.00 or rounded off to 52,74,000.00

(Rupees Fifty two lakhs seventy four thousand) only

Approved


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

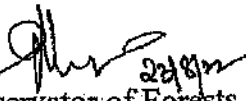
Financial Outlay for Compensatory Afforestation Scheme over 99 ha of degraded forest land identified in Renda PRF under Telkoi Forest Range of Keonjhar Forest Division against Tiringpahar Iron and Manganese Mines of M/s Tata Steel Ltd.

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

Sl. No.	Description	Amount (Rs.)
1.	Cost of ANR Plantation @ 400 plants per ha with 18 months old seedlings over 99.0 ha of degraded forest land @ Rs.83,187.13 per ha with 10 years maintenance	82,35,565.00
2. Soil Conservation Measures		
i.	LBCD structure of size 10'X10'X5' @ Rs.8944.16 per structure for 99 nos.	8,85,472.00
ii.	Cost of staggered trenches of size 2.5 mt X 0.5 mt X 0.5 mt of 300 nos. per ha @ Rs.19,560.00 per ha over 99 ha	19,36,440.00
Total		1,10,57,477.00
3. 15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation		16,58,621.00
Total		1,27,16,098.00
4.	Add Escalation Cost (20%)	25,43,219.00
Grand Total		1,52,59,317.00 or rounded off to 1,52,59,400.00

(Rupees One Crores fifty two lakhs fifty nine thousand four hundred) only

Approved


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



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

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

Memo No. **8042** /9F (MG) - 85/2018
Dated, Bhubaneswar the **12**, April' 2024

To

The Divisional Forest Officer
Keonjhar Forest Division

Sub: **Proposal for diversion of balance forest land of 80.826 ha (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar District, Odisha during extended ML period as per MMDR (Amendment) Act, 2015 - CA Scheme regarding.**

Ref:- This office Memo No.14673 dated 26.07.2022 and 16516 dated 24.08.2022.

In inviting a reference to the memo's cited above on the captioned subject, please find enclosed herewith the revised financial outlay for Compensatory Afforestation Scheme over an area of **64.261 ha** of non-forest land identified in the village **Asanbahali** under Kankadahada Tahasil of Dhenkanal District under Mahabirod Range of **Dhenkanal Forest Division** pertaining to the above project has been approved by PCCF (FD & Nodal Officer, FC Act) for **Rs4,01,14,600/-** (Rupees four crores one lakh fourteen thousand and six hundred) only at prevailing wage rate of Rs.450/- per manday alongwith the cost norm.

The revised financial outlay for Compensatory Afforestation Scheme over an area of **13.798 ha** of non-forest land identified in village Kaliapani of Telkoi Tahasil under Telkoi Range of **Keonjhar Forest Division** pertaining to the above project has been approved by PCCF (FD & Nodal Officer, FC Act) for **Rs 67,51,200/-** (Rupees sixty seven lakhs fifty one thousand and two hundred) only at prevailing wage rate of Rs.450/- per manday alongwith the cost norm is enclosed.

The revised financial outlay for Additional Compensatory Afforestation Scheme over an area of **99 ha** of degraded forest land identified in Renda PRF under Telkoi Forest Range of **Keonjhar Forest Division** pertaining to the above project has been approved by PCCF (FD & Nodal Officer, FC Act) for **Rs 2,04,07,900/-** (Rupees two crores four lakhs seven thousand and nine hundred) only at prevailing wage rate of Rs.450/- per manday alongwith the cost norm is enclosed.

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

Encl-As above

 12/4/2024
Chief Conservator of Forests (Nodal)

Memo No. 8043 Dt 12.04.2024

Copy forwarded to the RCCF, Rourkela Circle / RCCF, Angul Circle for information & necessary action.

 12/4/2024
Chief Conservator of Forests (Nodal)

Memo No. 8044 Dt 12.04.2024

Copy alongwith the revised financial outlays for CA over an area of 64.261 ha of non-forest land identified in the village **Asanbahali** under Kankadahada Tahasil of Dhenkanal District forwarded to the DFO, Dhenkanal Forest Division for information & necessary action.

 12/4/2024
Chief Conservator of Forests (Nodal)

Memo No. 8045 Dt 12.04.2024

Copy alongwith the revised financial outlays forwarded to the Authorized Signatory, M/s Tata Steel Limited, 273, Bhouma Nagar, Unit-IV, BBSR-I for information and necessary action.

 12/4/2024
Chief Conservator of Forests (Nodal)

Addl

Financial Outlay for Compensatory Afforestation Scheme over 99 ha of degraded forest land identified in Renda PRF under Telkoi Forest Range of Keonjhar Forest Division against Tiringpahar Iron and Manganese Mines of M/s Tata Steel Ltd.

(Wage Rate @ Rs.450/- per MD)

Sl. No.	Description	Amount (Rs.)
1.	Cost of ANR Plantation @ 400 plants per ha with 18 months old seedlings over 99.0 ha of degraded forest land @ Rs.1,11,486.48 per ha with 10 years maintenance	1,10,37,162.00
2. Soil Conservation Measures		
i.	LBCD structure of size 10'X10'X5' @ Rs.10890/- per structure for 99 nos.	10,78,110.00
ii.	Cost of staggered trenches of size 2.5 mt X 0.5 mt X 0.5 mt of 300 nos. per ha @ Rs.27000.00 per ha over 99 ha	26,73,000.00
Total		1,47,88,272.00
3. 15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation		22,18,241.00
Total		1,70,06,512.00
4.	Add Escalation Cost (20%)	34,01,302.00
Grand Total		2,04,07,815.00 or rounded off to 2,04,07,900.00

(Rupees Two Crores four lakhs seven thousand and nine hundred) only

Approved



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

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

Financial Outlay for Compensatory Afforestation Scheme over 13.798 ha of non-forest land identified in village Kaliapani of Telkoi Tahasil under Telkoi Range of Keonjhar Forest Division in respect of the proposal for Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd.

(Wage Rate @ Rs.450/- per MD)

Sl. No.	Description	Amount (Rs.)
1.	Cost of ANR Plantation @ 400 plants per ha with 18 months old seedlings over 8.798 ha of non-forest land @ Rs.1,11,486.48 per ha with 10 years maintenance	9,80,858.00
2.	Cost of ANR without gap plantation over 5.0 ha @ Rs.47,722.50 per ha with 10 years maintenance	2,38,613.00
3. Soil Conservation Measures		
i.	LBCD structure of size 10'X10'X5' @ Rs.10890.00 per structure for 14 nos.	1,52,460.00
ii.	Cost of staggered trenches of size 2.5 mt X 0.5 mt X 0.5 mt of 300 nos. per ha @ Rs.27000.00 per ha over 13.798 ha	3,72,546.00
Total		17,44,477.00
4.	15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation	2,61,672.00
5.	Cost of Angle Iron & Chain Link wire mesh fencing over 1.974 Kms @ Rs.4,58,432/- per ha/ 250 RMT with 10 years maintenance (As per approved One-time Cost norm for CA)	36,19,779.00
Total		56,25,928.00
6.	Add Escalation Cost (20%)	11,25,186.00
Grand Total		67,51,114.00 or rounded off to 67,51,200.00

(Rupees Sixty seven lakhs fifty one thousand and two hundred) only

Approved

[Signature]
17/4/23

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

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

Revised Financial Outlay for **Compensatory Afforestation Scheme** over an area of 64.261 ha of non-forest land identified in the **village Asanbahali** under Kankadahada Tahasil of Dhenkanal District under Mahabirod Range of **Dhenkanal Forest Division** against diversion of 80.826 ha forest land for **Tiringpahar Iron & Manganese Mines (Guruda Block)** for Iron Ore Mines in Keonjhar District by **M/s Tata Steel Ltd.**

(Wage Rate @ Rs.450/- per MD)

Sl. No.	Description	Amount (Rs.)
1.	Cost of Bald Hill Plantation @ 1600 plants/ ha with 18 months old seedlings without provision of fencing over 21.261 ha @ Rs.6,30,774.27 per ha with 10 years maintenance	1,34,10,892.00
2.	Cost of ANR without gap plantation over 43.0 ha @ Rs.47,722.50 per ha with 10 years maintenance	20,52,068.00
3.	Additional Soil Conservation Measures:-	
	(i) LBCD of size 10'x 10' x 5' for 20 nos. per ha over 21.261 ha, total 425 nos. @ Rs.10890.00 per LBCD	46,28,250.00
4.	15% of the total plantation cost towards EPA/ Incentive to VSS including monitoring & evaluation	30,13,681.00
5.	Cost of Angle Iron & Chain Link wire mesh fencing over 5.63 Km @ Rs.4,58,432/- per 250 mt/ha with 10 years maintenance (As per approved one-time cost norm)	1,03,23,888.00
Total		3,34,28,779.00
6.	Add Escalation Cost (20%)	66,85,756.00
Grand Total		4,01,14,535.00 or rounded off to 4,01,14,600.00

(Rupees Four Crores one lakh fourteen thousand and six hundred) only

Approved

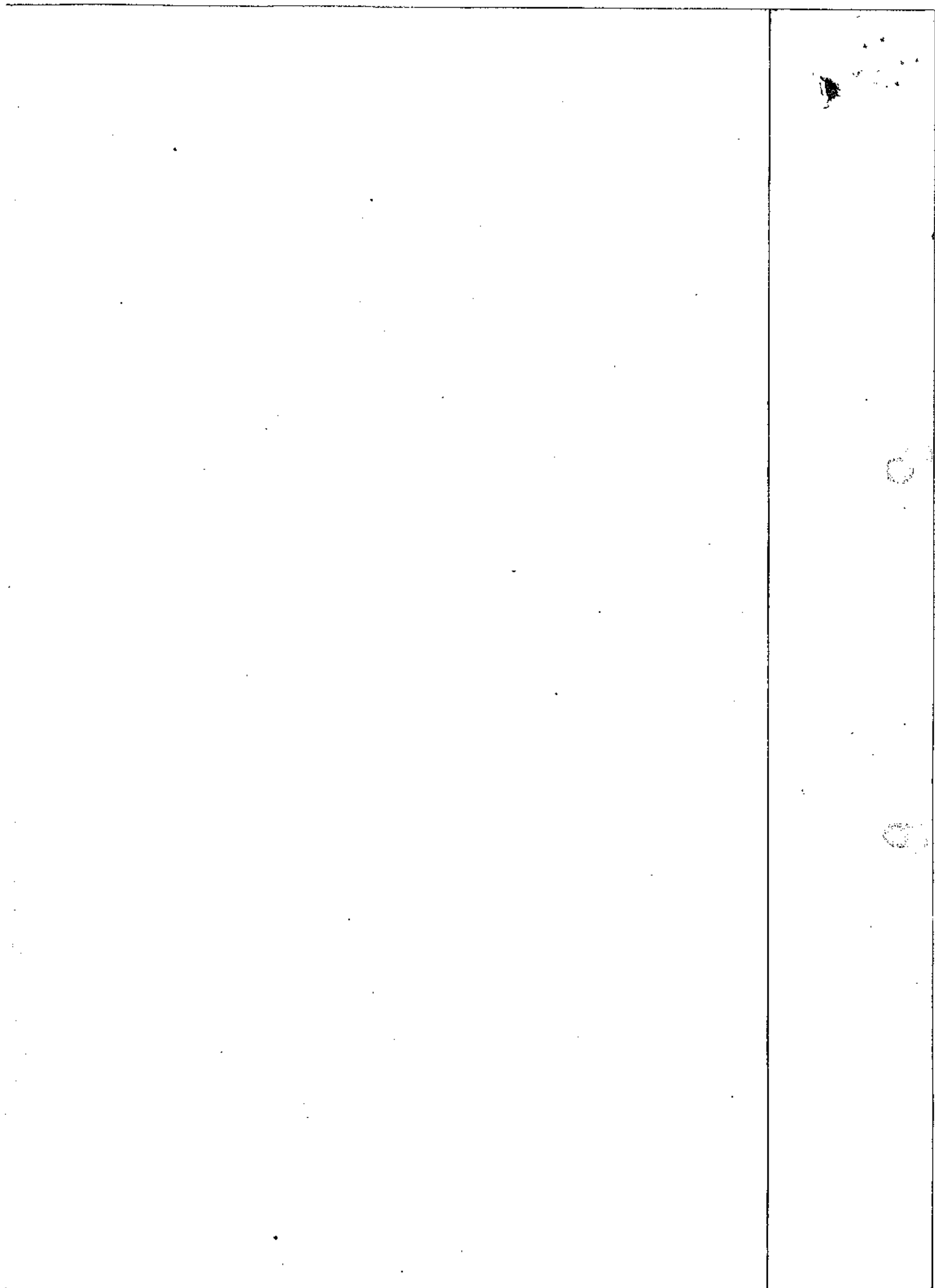

Principal Chief Conservator of Forests
Forest Diversion & Nodal Officer, FC Act

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



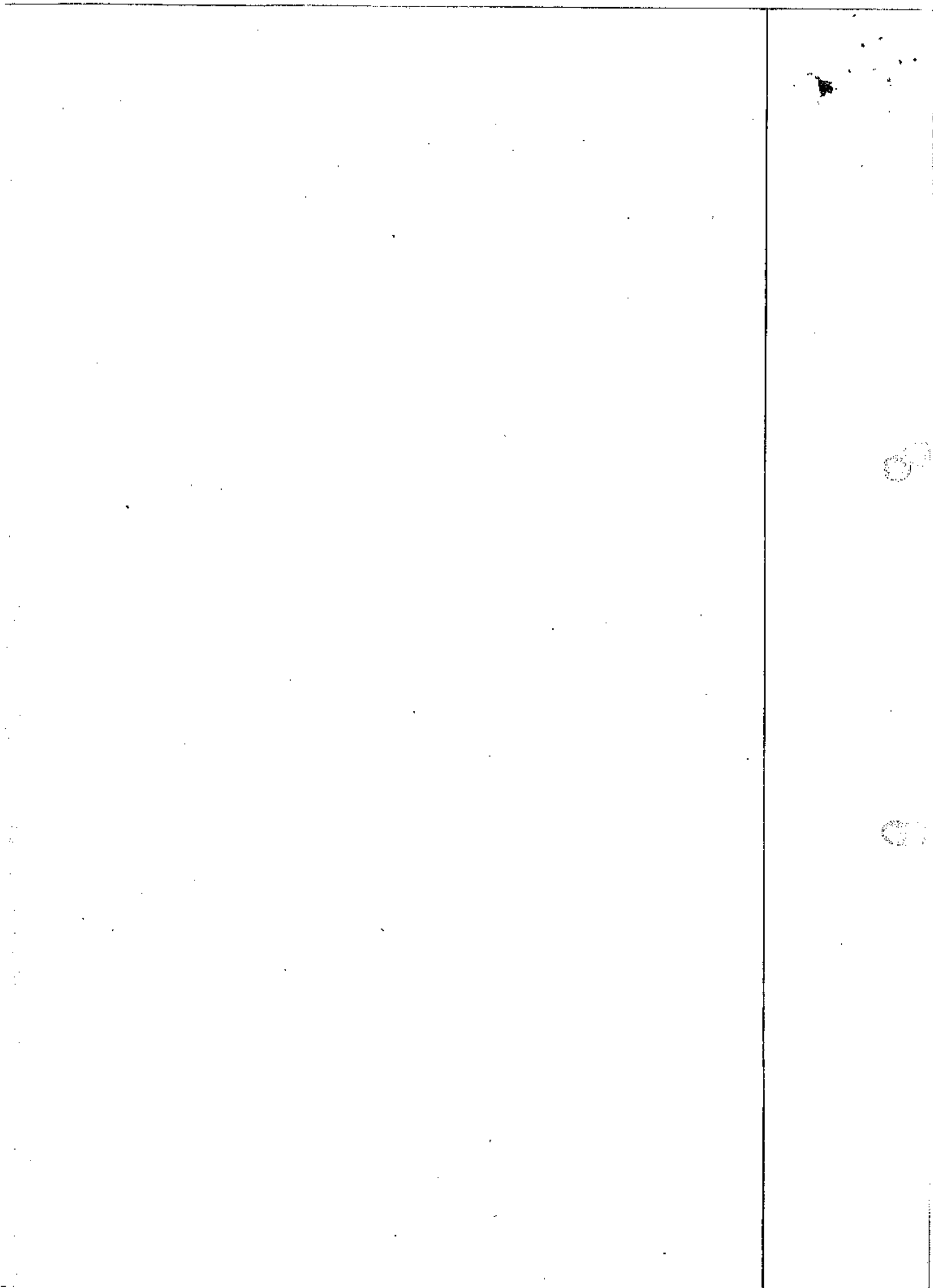
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**COMPENSATORY AFFORESTATION SCHEME
OVER 13.798 HA (8.798 HA ANR WITH GAP
PLANTATION MODEL AND 5.00 HA ANR
WITHOUT GAP PLANTATION MODEL) NON-
FOREST LAND IDENTIFIED
IN VILLAGE KALIAPANI
UNDER TELKOI TAHASIL OF TELKOI RANGE
IN RESPECT OF THE PROPOSAL FOR
TIRINGPAHAR IRON & MANGANESE MINES
OF
M/S TATA STEEL LTD.**



ELEMENTS OF THE SCHEME FOR COMPENSATORY AFFORESTATION

CHAPTER	PARTICULARS	PAGE NUMBER
I	BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL	1 to 1
II	DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION	2 to 2
III	DELINEATION OF PROPOSED AREA ON SUITABLE MAP	3 to 3
IV	AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION	3 to 3
V	DETAILS OF WORK SCHEDULED PROPOSED FOR COMPENSATORY AFFORESTATION	4 to 5
VI	COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION	6 to 12
VII	DETAILS OF PROPOSED MONITORING MECHANISM	13 to 13



CHAPTER-I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

Tiringpahar Iron & Manganese Mine of M/s Tata Steel Ltd, was originally granted by the then Maharaja of Keonjhar Estate over an area of 2.45 Sq. miles comprising of three Blocks namely Guruda, Joruri & Tiringpahar under Barbil Tahasil of Keonjhar District for 30 years with effect from 1.3.1930 to 29.2.1960. The 1st renewal was granted by Mining & Geology department, Government of Orissa over an area of 643.710 ha for 20 years from 01-03-1960 to 29-02-1980. The 2nd Renewal was granted by Mining & Geology Department, Government of Orissa vide Order No.2976 MG Bhubaneswar dated 18.02.1982 over an area of 643.710 ha for 20 years from 01-03-1980 to 29-02-2000. The User Agency has applied for 3rd Renewal of Mining Lease on 05.01.1999 i.e one year prior to expire of ML for Tiringpahar Iron & Manganese Mine (Guruda Block) over reduced area of 169.00 ha for 20 years i.e. from 01.03.1980 confining to villages Guruda, Khandbondh, Palasha (Kha) and Jadibahal. After Amendment of MM(DR) Act, The State Government, Department of Steel & Mines, Odisha, Bhubaneswar vide their letter No. III (A) SM-45/2006 3278/S&M Bhubaneswar dated 18.04.2015 extended the period of the mining lease as per provision of sec- 8(A) of MMDR Amended Act, 2015 up to 31.03.2030. Supplementary lease deed in said mines was executed on dated 08.05.2015 and registered on 08.05.2015. After, execution of lease deed, M/s Tata Steel Ltd has applied for surrender of relinquished area of 474.710 ha vide letter No. MPP/L&L/845/15 dated 30.11.2015 to the Collector, Keonjhar.

The Mining Lease of Tiringpahar Iron & Manganese mines of M/s Tata Steel Ltd, located within longitude E 85°-23'-00" to 85°-25'-00" and latitude N 21°-54'-00" to 21°-57'-00" in Survey of India topo sheet no. F45N5. The said lease executed over 169.00 ha comprises Khesera Forest (10.392 ha.), DLC Forest land (58.522 ha), Non-Forest land recorded as Forest as on 25.10.1980 (64.260 ha) and Non-Forest land (35.826ha.). The total forest land involved in the mining lease is 133.174 ha.

Forest land over 52.348 ha has been diverted under section- 2(ii) of FC Act, 1980 vide F. No. 8-80/2004-FC dated 28.03.2007 of MoEF, Govt. of India. The diverted forest land over 52.348 ha involves 11.650 ha Pre-1980 broken up DLC forest land and 40.698 ha (KF- 2.782 ha & DLC- 37.916 ha) of virgin forest land. The instant diversion proposal has been submitted over 80.826 ha. i.e 7.610 ha of Khesera Forest, 8.956 ha of DLC forest and 64.260 ha of Non-Forest land recorded as Forest as on 25.10.1980 in compliance with the guideline F No. 8-78/1996-FC(pt.) dt.10.03.2015 read with F No. 8-78/1996-FC(pt.) dt.09.03.2016 of MoEF&CC, Govt. of India.

The present scheme aims at preparation of a site-specific Compensatory Afforestation scheme over 13.798 hectares non-forest land identified in village Kaliapani under Telkoi Tahasil in Keonjhar District at the prevailing wage rate @Rs. 326.00 per MD as per revised wage rate by Labour Commissioner, Odisha, Bhubaneswar vide Notification No. 2433/LC dated 30.04.2022 with a maintenance period of ten years, in lieu of the proposed diversion proposal submitted over 80.826 ha including an area of 64.260 ha of non-forest Govt. land recorded as Forest as on 25.10.1980, for which compensatory afforestation land has been identified in village Asanbahali under Kankadahada Tahasil in Dhenkanal District and a separate CA scheme over the said area has been prepared by the DFO, Dhenkanal Division.

Further, it is pertinent to mention that from the aforesaid area of 13.798 ha, an area of 5.00 ha is coming under MDF as per DSS report, hence silvicultural operation without Gap plantation is proposed over 5.00 ha with maintenance for 10 years and Compensatory Afforestation including Gap plantation of 400 seedlings per ha is proposed over the balance area of 8.798 ha.

CHAPTER- II

DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION

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

The site for Compensatory Afforestation has been identified in village Kaliapani under Telkoi Tahasil in Telkoi Range of Keonjhar Forest Division over 13.798 ha and has been jointly verified by the Tahasildar, Telkoi, Revenue Inspector, Telkoi, Range Officer, Telkoi Range, Forest Section Officer, Kaliahata. The above identified land has been allotted in favour of TATA Steel Limited for their project "Tiringpahar Iron & Manganese mines" by the Collector, Keonjhar vide letter No. 2173/Rev/dated 26.09.2015. The identified site comes under Khata No. 25 and Plot No. 238 & 239/294.

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

The Tahasildar, Telkoi has given certificate as regards non-encroachment and non-encumbrance of the non-forest land identified for raising Compensatory Afforestation. (Ref. Annexure-1)

C. INFORMATION ON LAND STATUS.

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

Tahasil	Village	Khata No.	Plot No.	Area (in ha)	Kissam.	Remarks
Telkoi	Kaliapani	25	238	11.840	Parbat - I	
			239/294	1.958	Parbat - I	
			Total	13.798		

The authenticated land schedule with above description is furnished in Annexure -2.

D. SUITABILITY OF IDENTIFIED SITE FOR COMPENSATORY AFFORESTATION.

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

The topography of the area is undulating, small hilly terrain. The soil is mostly sandy loam at patches having fairly good depth of soil. Part of the top soil has been washed out due to natural erosion. This necessitates soil conservation measures. The crop density varies from 0.1 to 0.4.

The area experiences tropical climate with monsoon rain fall. The average temperature varies from 13.5° C minimum in December to 45°C maximum in May. The annual rainfall varies from 1200 mm to 1500 mm. The maximum rainfall is received during the rainy season from July to September. The identified land is therefore taken up only silvicultural operation under ANR without gap plantation model over 5.00 ha with site specific SMC measures.

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

A. VILLAGE SHEET SHOWING COMPENSATORY AFFORESTATION SITE.

The identified non-forest land depicted in village sheet and submitted by the Tahasildar, Telkoi is annexed herewith. (Ref. Plate No. -X)

B. DGPS COORDINATES AND DGPS MAP OF THE COMPENSATORY AFFORESTATION SITE

The area has been demarcated through GPS survey method and 37 nos of 4' height RCC pillars have been posted around the identified area and the same has been depicted in the village sheet map (enclosed at Plate No-X). The location map of the CA area in Toposheet No.F45N7 has been enclosed in Plate No. IX.

GPS Co-ordinates, Boundary description & Field note of the CA area have been enclosed in annexure-3.

C. DECISION SUPPORT SYSTEM- ANALYSIS OF FOREST COVER MAP

The map of the proposed CA land was processed using DSS for analysis of Forest cover over the area. The result obtained are depicted in the Annexure- IV.

CHAPTER- IV

AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

A. AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

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

B. AGENCY RESPONSIBLE FOR EXECUTION OF COMPENSATORY AFFORESTATION

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

CHAPTER- V

DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

A. PLANTING PLAN

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

Species to be planted:-

1. *Syzgium cumini* (Jamu)
2. *Adina cardifolia* (Kuruma)
3. *Anogeissus latifolia* (Dhaura)
4. *Accacia catechu* (Khair)
5. *Dalbergia sissoo* (Sissoo)
6. *Azadirachta indica* (Neem)
7. *Gmelina arborea* (Gambar)
8. *Terminalia belerica* (Bahada)
9. *Terminalia chebula* (Harida)
10. *Pongamia pinnata* (Karanja)
11. *Embllica officinalis* (Ainla)
12. *Shorea robusta* (Sal)

B. PRE-PLANTING OPERATION

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

Nursery will be raised @440 seedlings per ha including seedlings for 10% causality replacement.

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

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:4000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map. A sign board has been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

B(III)- SITE PREPARATION AND SILVICULTURAL OPERATION INCLUDING CLEARANCE OF WEED, CLIMBER CUTTING, HIGH STUMP CUTTING, SINGLING OF SHOOTS-

The clearing of the site involving removal of invasive weeds, bushes, climbers, high stumps and singling of shoots will be taken up preferably by the end of February and latest by the end of March. Pits of the dimension 30 x 30 x 30 cm. will be dug @400 per ha in the available gaps preferably 2 months before or at least a month before planting of seedlings.

C. PLANTING OPERATION

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

D. POST PLANTING OPERATION

D(1)-CASUALTY REPLACEMENT

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

D(2)-WEEDING AND SOIL WORKING

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

D(3)-MANURING AND INSECTICIDE APPLICATION

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

D (4)-SOIL MOISTURE CONSERVATION MEASURES

Special Soil Moisture Conservation Measures will be taken up through construction of LBCD structures of dimension 10' x 10' x 5' to the tune of 14 nos. over the entire plantation site and staggered trenches of dimension 2.5 x 0.5 x 0.5 mtr to the tune of 300 Nos. per ha over 13.798 ha.

D (5)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

It is proposed to protect the CA plantation from grazing by domestic animals using Barbed wire fencing (7 Strands). The total length of such Barbed wire fencing for both the patches which comes to 1.974 Km (1974 M). Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation from grazing with involvement of Oriya VSS.

CHAPTER- VI

**Cost norm for ANR plantation @ 400 plants per hectare Wage rate @Rs. 326.00/-
Mandays as per revised wage rate communicated by Labour Commissioner, Odisha,
Bhubaneswar vide their Notification No. 2433/LC dated 30.04.2022 and approved cost
norm communicated by PCCF, Odisha vide memo No. 25281 dated 18.12.2018.**

0th year (Advance work) Pre-planting operation.

Sl No	Item of work	Preferable period of execution	person days	Labour (Rs)	Material (Rs)	Total (Rs)
0th year						
1	Survey demarcation and pillar posting, GPS reading with mapping	Nov/Dec	2	652	0	652
2	Site Preparation	Nov/Dec	2	652	0	652
3	Silviculture Operation including clearance of weed, climber cutting, high stump cutting, singling of shoots etc.	Jan/Feb	5	1630	0	1630
4	Nursery cost (6 months old seedling) part @ Rs. 9.45/- seedling (Rs. 6.67 in 0th year + Rs. 2.78 in 1st year) for 440 seedlings (400+40)		11	3586	735	4321
5	Contingency and unforeseen expenditure		0		165	165
	Sub Total		20	6520	900	7420
6	Monitoring & Supervision charge 5% of the total cost					371
	Grand Total		20	6520	900	7791
1st year						
1	Nursery cost (6 months old seedling) balance @Rs. 2.78 for 440 seedlings	Apr-Jul	5	1630	223	1853
2	Pitting 30 cm cube size	Feb/Mar	12	3912	0	3912
3	Carriage and planting including casualty replacement	Jul/Aug	10	3260	0	3260
4	Complete weeding, Soil working, manuring	Aug/Sep	12	3912	0	3912
5	Cost of vermin compost @200gms/plant @Rs. 20/-per kg=Rs. 1600.00 and Granular insecticide 5 gms/ plant @ Rs. 80 per kg=Rs.160.00	Aug/Sep	0	0	1760	1760
6	Cost of chemical fertilizer (a) Urea 70 gms/plant in two subsequent doses @ Rs.6 per kg =Rs 168.00 (b) NPK 50 gms/plant @ Rs. 24/- per kg= Rs. 480.00 as basal dose		0	0	648	648
7	Silvicultural operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/Oct	15	4890	0	4890
8	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m@ 60 nos per ha) or its equivalent	Sep/Oct	20	6520	0	6520
9	Fireline Tracing and inspection path	Feb/Mar	3	978	0	978
10	Watch & ward	Aug-Mar	7	2282	0	2282
11	Contingency and unforeseen expenditure		0	0	319	319
	Sub Total		84	27384	2950	30334
12	Monitoring & Supervision charge 5% of the total cost					1516.7
	Grand Total		84	27384	2950	31850.7

2nd year						
1	Casualty Replacement including cost of seedling, carriage and planting	Jul/Aug	2	652	378	1030
2	Complete weeding and cultural operations	Sep/Oct	4	1304	0	1304
3	Soil working and manuring	Sep/Oct	4	1304	0	1304
4	Cost of fertilizer and insecticide (a) Vermicompost 200 gms/plant @ Rs. 20/- per kg=Rs.1600 (b) Granular insecticide 5 gms/plant for 40 plants 200gms @ Rs. 80/- per kg=Rs.16.00	Sep/Oct	0	0	1616	1616
5	Fireline Tracing and inspection path	Feb/Mar	1	326	0	326
6	Soil conservation Measures (Renovation of staggered trenches etc.)	Sep/Oct	8	2608	0	2608
7	Watch & ward (whole year)	Apr-Mar	7	2282	0	2282
8	Contingency and unforeseen expenditure		0	0	362	362
	Sub Total		26	8476	2356	10832
9	Monitoring & Supervision charge 5% of the total cost					541.6
	Grand Total		26	8476	2356	11373.6
3rd Year						
1	Complete weeding and cultural operations	Aug/Sep	2	652	0	652
2	Soil working	Aug/Sep	2	652	0	652
3	Fireline Tracing and inspection path	Feb/Mar	1	326	0	326
4	Watch & ward (whole year)	Apr-Mar	7	2282	0	2282
	Sub Total		12	3912	0	3912
5	Monitoring & Supervision charge 5% of the total cost					195.6
	Grand Total		12	3912	0	4107.6
4th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
5th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
6th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
7th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
8th year						

1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
9th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
10th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9

ABSTRACT

Year	Person days	Labour cost @326/- per Manday (Rs.)	Material cost (Rs.)	Monitoring & Supervision charge 5% of the total cost (Rs.)	Total cost (Rs.)
0th Year	20	6520	900	371	7791
1st Year	84	27384	2950	1516.7	31850.7
2nd Year	26	8476	2356	541.6	11373.6
3rd Year	12	3912	0	195.6	4107.6
4th Year	3	978	0	48.90	1026.9
5th Year	3	978	0	48.90	1026.9
6th Year	3	978	0	48.90	1026.9
7th Year	3	978	0	48.90	1026.9
8th Year	3	978	0	48.90	1026.9
9th Year	3	978	0	48.90	1026.9
10th Year	3	978	0	48.90	1026.9
Total	163	53138	6206	2967.2	62311.2
Total Cost of plantation (8.798 ha.)					548213.93

Cost Norm For Aided Natural Regeneration (ANR without Gap) @326/- Mandays as per revised wage rate communicated by Labour Commissioner, Odisha, Bhubaneswar vide their letter No. 2433/LC dated 30.04.2022.

Sl No	Item of work	Preferable period of execution	Person days	Labour (Rs.)	Material (Rs.)	Total (Rs.)
0th Year						
1	Survey demarcation and pillar posting, GPS reading with mapping	Nov/Dec	2	652.00	0	652.00
2	Site Preparation	Nov/Dec	2	652.00	0	652.00
3	Cutting of high stumps		5	1630.00	0	1630.00
	Sub Total		9	2934.00	0	2934.00
4	Monitoring & Supervision charge 5% of the total cost					146.70
	Grand Total		9	2934.00	0	3080.00
1st Year						
1	Silvicultural operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/Oct	15	4890.00	0	4890.00
2	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m @ 60 nos per ha) or its equivalent	Sep/Oct	20	6520.00	0	6520.00
3	Fireline Tracing and inspection path	Feb/Mar	3	978.00	0	978.00
4	Watch & ward	Aug-Mar	5	1630.00	0	1630.00
5	Contingency and unforeseen expenditure		0	0	500.00	500.00
	Sub Total		43	14018.00	500.00	14518.00
6	Monitoring & Supervision charge 5% of the total cost					725.90
	Grand Total		43	14018.00	500.00	15243.90
2nd Year						
1	Soil conservation Measures (Renovation of staggered trenches etc.)	Sep/Oct	8	2608.00	0	2608.00
2	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
3	Watch & ward (whole year)	Apr-Mar	7	2282.00	0	2282.00
4	Contingency and unforeseen expenditure		0	0	300.00	300.00
	Sub Total		16	5216.00	300.00	5516.00
5	Monitoring & Supervision charge 5% of the total cost					275.80
	Grand Total		16	5216.00	300.00	5791.80
3rd Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward (whole year)	Apr-Mar	7	2282.00	0	2282.00
3	Contingency and unforeseen expenditure		0	0	300.00	300.00
	Sub Total		8	2608.00	300.00	2908.00

4	Monitoring & Supervision charge 5% of the total cost					145.40
	Grand Total		8	2608.00	300.00	3053.40
4th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
5th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
6th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
7th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
8th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
9th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00

2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90
10th Year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326.00	0	326.00
2	Watch & ward and cultural operation	Apr-Mar	2	652.00	0	652.00
3	Contingency and unforeseen expenditure			0	100	100.00
	Sub-Total		3	978.00	100.00	1078.00
4	Monitoring & Supervision charge 5% of the total cost					53.90
	Grand Total		3	978.00	100.00	1131.90

ABSTRACT						
Sl. No.	Year	No. of Person days	Labour cost @326.00/- per day	Material Cost (In Rs.)	Monitoring & Supervision charge 5% of the total Cost in (Rs.)	Total Cost (in Rs.)
1	0th Year	9	2934.00	0	146.70	3080.70
2	1st Year	43	14018	500.00	725.90	15243.90
3	2nd Year	16	5216.00	300.00	275.80	5791.80
4	3rd Year	8	2608.00	300.00	145.40	3053.40
5	4th Year	3	978.00	100.00	53.90	1131.90
6	5th Year	3	978.00	100.00	53.90	1131.90
7	6th Year	3	978.00	100.00	53.90	1131.90
8	7th Year	3	978.00	100.00	53.90	1131.90
9	8th Year	3	978.00	100.00	53.90	1131.90
10	9th Year	3	978.00	100.00	53.90	1131.90
11	10th Year	3	978.00	100.00	53.90	1131.90
	Total	97	31622.00	1800.00	1671.10	35093.10
Total Cost Norm over 5.00 ha						175465.50

TOTAL COST OF PROJECT

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

Sl. No.	Description	Amount (Rs)
1	Cost of ANR plantation @400 plants per ha over 8.798 ha of non-forest land @Rs. 62311.2 per ha with 10 years maintenance.	548213.93
2	Cost Norm for ANR without Gap Plantation over 5.00 ha @Rs. 35093.10 per ha with 10 years maintenance	175465.50
3	Soil Conservation Measures	
i	LBCD Structure of size 10' x 10' x 5' @Rs. 37415 per structure (As per base norm of Matrix for the year 2022-23) for 14 nos.	523810.00
ii	Cost of Staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt of 300 nos per ha @ Rs. 19560/- per ha over 13.798 ha	269888.88
4	Cost of Barbed Wire Fencing over 1.974 KM with maintenance up to 3 years @2% of cost per RKM @Rs. 668 per RMT	1318632.00
	Total	2836010.31
5	15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation	425401.54
	Total	3261411.85
6	Add escalation cost (20%)	652282.37
	Grand Total	3913694.22
		Or say
		39,13,700.00

(Rupees thirty-nine lakh thirteen thousand seven hundred) Only

PROVISION OF FUNDS AND FUND UTILIZATION

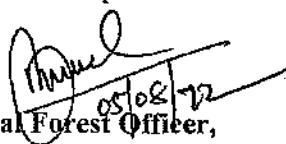
Rs. 39,13,700.00 (Rupees thirty-nine lakh thirteen thousand seven hundred) only shall be deposited by the User Agency M/s Tata Steel Limited, on approval of the scheme, in the Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Keonjhar Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional Forest Officer,
Keonjhar Division

CHAPTER- VII

DETAILS OF PROPOSED MONITORING MECHANISM

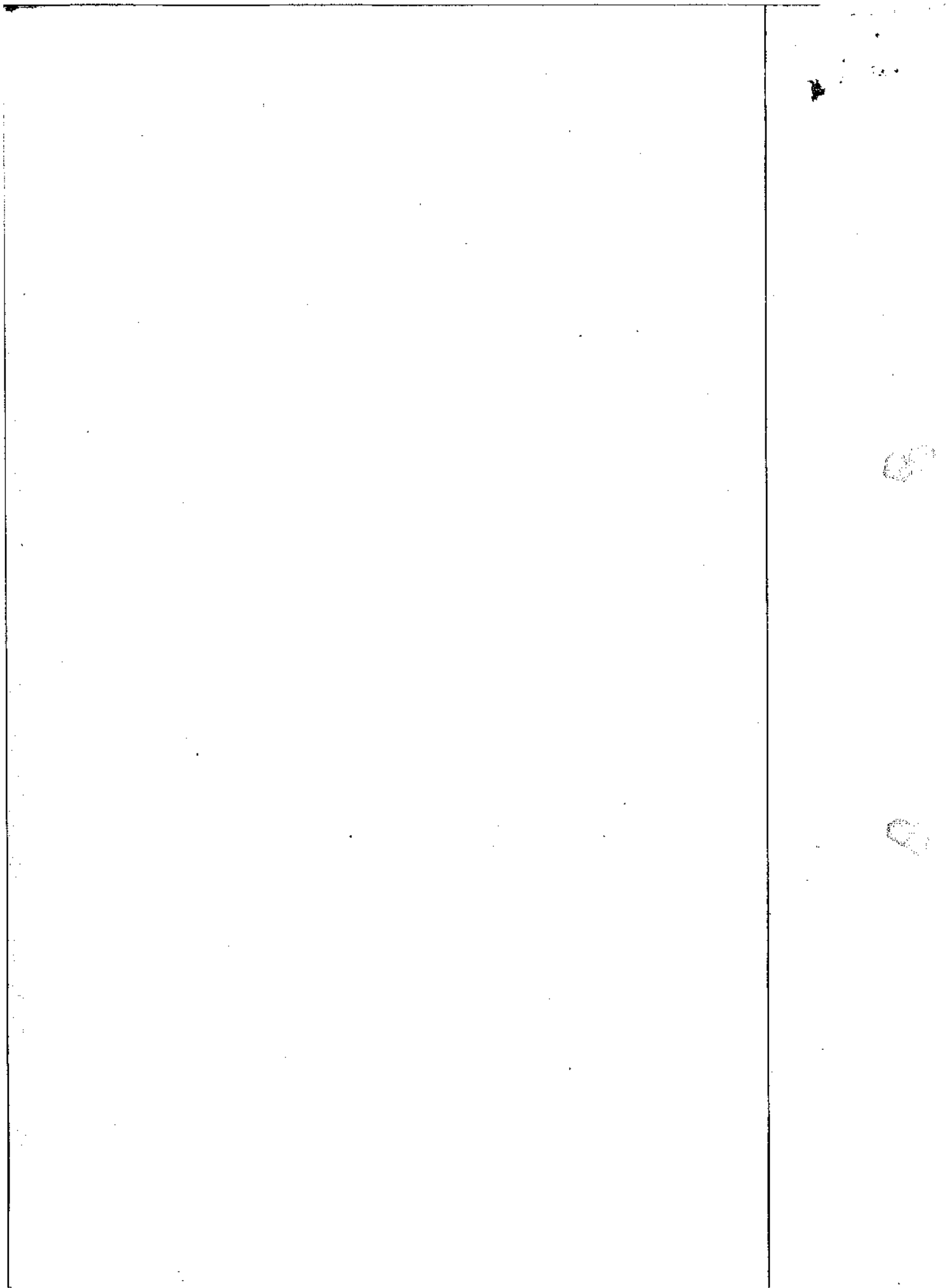
Compensatory Afforestation will be taken up in the identified site by the Range Officer, Telkoi Forest Range of Keonjhar Division. The Range Forest Officer, Telkoi Forest Range will undertake field checks of the works undertaken at the identified site and will be cross checked by the Asst. Conservator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


Divisional Forest Officer,
Keonjhar Division



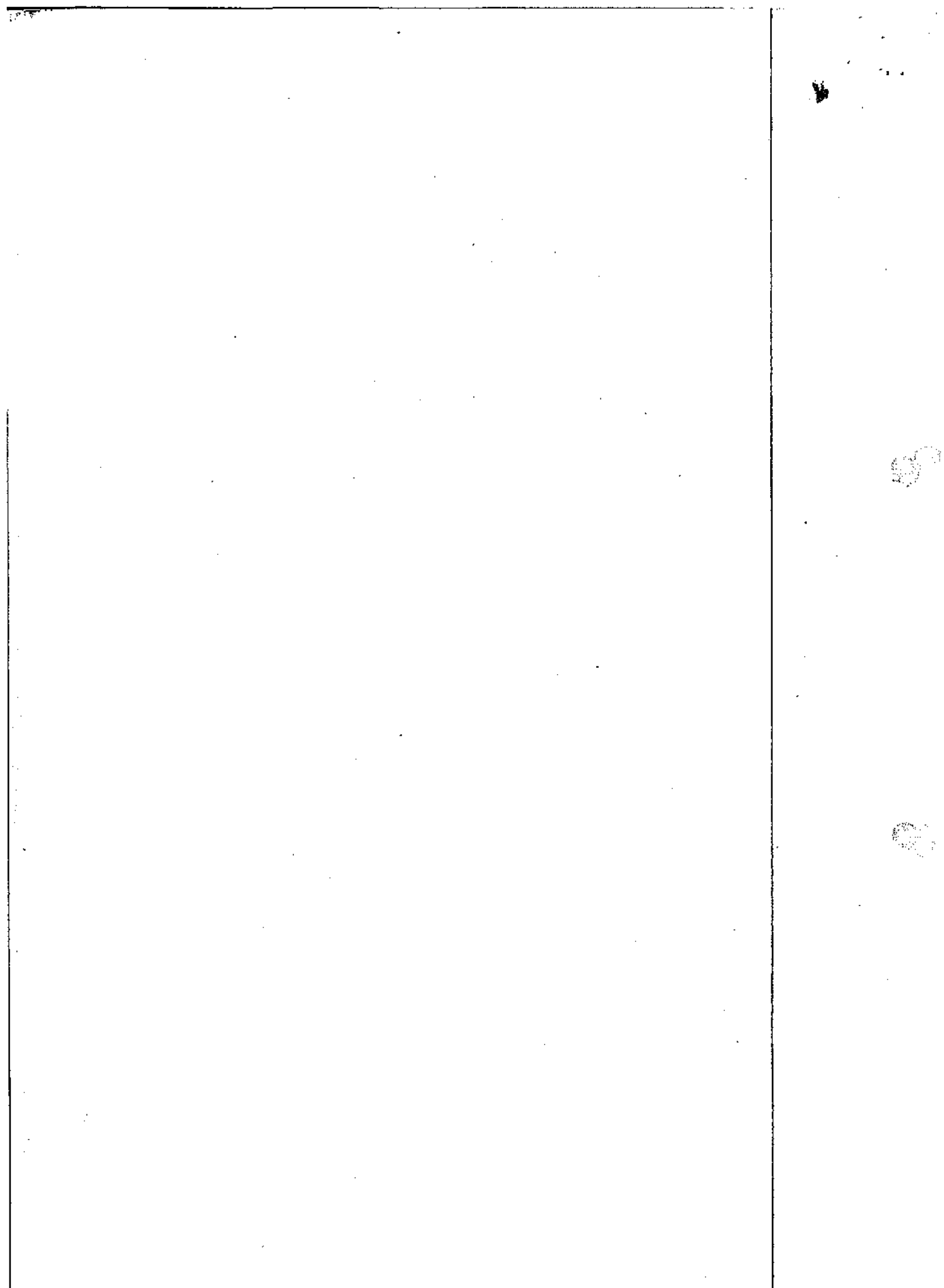
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**SCHEME FOR COMPENSATORY
AFFORESTATION OVER 99.00 HA OF
DEGRADED FOREST LAND IDENTIFIED
IN RENDA PRF UNDER TELKOI FOREST
RANGE OF KEONJHAR FOREST DIVISION
AGAINST TIRINGPAHAR IRON AND
MANGANESE MINES
OF
M/S TATA STEEL LTD**



ELEMENTS OF THE SCHEME FOR COMPENSATORY AFFORESTATION

CHAPTER	PARTICULARS	PAGE NUMBER
I	BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL	1 to 1
II	DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION	2 to 2
III	DELINEATION OF PROPOSED AREA ON SUITABLE MAP	3 to 3
IV	AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION	3 to 3
V	DETAILS OF WORK SCHEDULED PROPOSED FOR COMPENSATORY AFFORESTATION	4 to 5
VI	COST STRUCTURE OF PLANTATION, PROVISION OF FUNDS AND UTILIZATION	6 to 9
VII	DETAILS OF PROPOSED MONITORING MECHANISM	10 to 10



CHAPTER-I

BRIEF NOTE ON THE PROPOSED FOREST DIVERSION PROPOSAL

Tiringpahar Iron & Manganese Mine of M/s Tata Steel Ltd, was originally granted by the then Maharaja of Keonjhar Estate over an area of 2.45 Sq. miles comprising of three Blocks namely Guruda, Joruri & Tiringpahar under Barbil Tahasil of Keonjhar District for 30 years with effect from 1.3.1930 to 29.2.1960. The 1st renewal was granted by Mining & Geology department, Government of Orissa over an area of 643.710 ha for 20 years from 01-03-1960 to 29-02-1980. The 2nd Renewal was granted by Mining & Geology Department, Government of Orissa vide Order No.2976 MG Bhubaneswar dated 18.02.1982 over an area of 643.710 ha for 20 years from 01-03-1980 to 29-02-2000. The User Agency has applied for 3rd Renewal of Mining Lease on 05.01.1999 i.e one year prior to expire of ML for Tiringpahar Iron & Manganese Mine (Guruda Block) over reduced area of 169.00 ha for 20 years i.e. from 01.03.1980 confining to villages Guruda, Khandbondh, Palasha (Kha) and Jadibahal. After Amendment of MM(DR) Act, The State Government, Department of Steel & Mines, Odisha, Bhubaneswar vide their letter No. III (A) SM-45/2006 3278/S&M Bhubaneswar dated 18.04.2015 extended the period of the mining lease as per provision of sec- 8(A) of MMDR Amended Act, 2015 up to 31.03.2030. Supplementary lease deed in said mines was executed on dated 08.05.2015 and registered on 08.05.2015. After, execution of lease deed, M/s Tata Steel Ltd has applied for surrender of relinquished area of 474.710 ha vide letter No. MPP/L&L/845/15 dated 30.11.2015 to the Collector, Keonjhar.

The Mining Lease of Tiringpahar Iron & Manganese mines of M/s Tata Steel Ltd, located within longitude E 85°-23'-00" to 85°-25'-00" and latitude N 21°-54'-00" to 21°-57'-00" in Survey of India topo sheet no. F45N5. The said lease executed over 169.00 ha comprises Khesera Forest (10.392 ha.), DLC Forest land (58.522 ha), Non-Forest land recorded as Forest as on 25.10.1980 (64.260 ha) and Non-Forest land (35.826ha.). The total forest land involved in the mining lease is 133.174 ha.

Forest land over 52.348 ha has been diverted under section- 2(ii) of FC Act, 1980 vide F. No. 8-80/2004-FC dated 28.03.2007 of MoEF, Govt. of India. The diverted forest land over 52.348 ha involves 11.650 ha Pre-1980 broken up DLC forest land and 40.698 ha (KF- 2.782 ha & DLC- 37.916 ha) of virgin forest land. The instant diversion proposal has been submitted over 80.826 ha. i.e 7.610 ha of Khesera Forest, 8.956 ha of DLC forest and 64.260 ha of Non-Forest land recorded as Forest as on 25.10.1980 in compliance with the guideline F No. 8-78/1996-FC(pt.) dt.10.03.2015 read with F No. 8-78/1996-FC(pt.) dt.09.03.2016 of MoEF&CC, Govt. of India.

Non forest Govt. land over 13.798 ha has been identified and allotted in village Kaliapani under Telkoi Tahasil in Telkoi Range of Keonjhar Forest Division. in favour of M/s Tata Steel India Ltd, vide letter No. 2173/Rev dt. 26.09.2015 of the Collector, Keonjhar for Compensatory Afforestation, the said non-forest Govt. land, allotted over 13.798 ha, involves tree growth over 5.00 ha under MDF as per DSS. Similarly, an area over 64.260 ha has been identified and allotted in village Asanabahali under Kankadahad Tahasil of Dhenkanal District under Dhenkanal Forest Division in favour of M/s Tata Steel India Ltd, vide letter No. II-53/16/1185 dt. 20.07.2016 of the Collector, Dhenkanal for Compensatory Afforestation the said non-forest Govt. land, allotted over 64.260 ha, involves tree growth over 43.00 ha under MDF as per DSS.

The present scheme aims at preparation of a site-specific Compensatory Afforestation scheme over 99.00 ha of degraded forest land identified in Renda PRF under Telkoi Forest Range of Keonjhar Division at the prevailing wage rate @Rs. 326.00 per MD as per revised wage rate by Labour Commissioner, Odisha, Bhubaneswar vide Notification No. 2433/LC dated 30.04.2022 with a maintenance period of ten years to accommodate the balance seedlings i.e. 39373 to be planted under ANR with gap model @400 seedlings/ ha.

CHAPTER- II

DETAILS OF LAND IDENTIFIED FOR COMPENSATORY AFFORESTATION

IDENTIFICATION OF DEGRADED FOREST LAND

II(1)- Details of identified Forest land-

The identified Forest land for Compensatory Afforestation is situated in Renda PRF in Coupe- ORY-IX under Oriya- Binida Improvement Series of Telkoi Range in Keonjhar Forest Division. This Forest Block is allotted to Improvement Series of the present Working Plan.

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

The prevailing forest growth has been categorized under forest type- open jungle mainly sal in Sol Topo Sheet No. F45N7. The vegetation consists of Sal and its scattered associates like Jamu, Piasal, Asana, Sisoo, Kuruma, Karada, Dhaura, Khair, Sidha, Harida, Bahada and Ainla.

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

The prescribed objectives of management for the identified forest block is depicted hereunder-

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

II(4)- Suitability of the identified site for Compensatory Afforestation-

The identified site in Renda PRF is a degraded patch with existing vegetation of Sal and Sal associates. Gaps are sporadically spread over the forest block. The topography of the area is mainly undulating hilly having good depth of red boulder mixed soil conducive for plantation under ANR with Gap model @400 seedling per ha. The average maximum temperature is 40^o to 45^oC and minimum 5^o to 10^o C and annual rainfall varies from 1100 mm to 1800 mm. The maximum rainfall is received during the rainy season from July to September. The site has been demarcated with 4 feet RCC pillars with erection of durable signboard depicting Scheme, Year, User Agency, Area etc. on it. Therefore, the CA scheme is envisaged to be executed with involvement of Pitanali VSS.

CHAPTER-III

DELINEATION OF PROPOSED AREA ON SUITABLE MAP

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

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

III(2)- DECISION SUPPORT SYSTEM- ANALYSIS OF FOREST COVER MAP

The map of the proposed CA land was processed using DSS for analysis of Forest cover over the area. The result obtained are depicted in the **Annexure- IV**.

CHAPTER- IV

AGENCY RESPONSIBLE FOR COMPENSATORY AFFORESTATION

IV(1)- AGENCY RESPONSIBLE FOR PLACEMENT OF FUNDS

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

IV(2)- AGENCY RESPONSIBLE FOR EXECUTION OF COMPENSATORY AFFORESTATION

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

CHAPTER- V

DETAILS OF WORK SCHEDULE PROPOSED FOR COMPENSATORY AFFORESTATION

A. PLANTING PLAN

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

Species to be planted:-

1. *Syzium cumini* (Jamu)
2. *Adina cardifolia* (Kuruma)
3. *Anogeissus latifolia* (Dhaura)
4. *Accacia catechu* (Khair)
5. *Dalbergia sissoo* (Sissoo)
6. *Azadirachta indica* (Neem)
7. *Gmelina arborea* (Gambar)
8. *Terminalia belerica* (Bahada)
9. *Terminalia chebula* (Harida)
10. *Pongamia pinnata* (Karanja)
11. *Emblica officinalis* (Ainla)
12. *Shorea robusta* (Sal)

B. PRE-PLANTING OPERATION

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

Nursery will be raised @440 seedlings per ha including seedlings for 10% causality replacement.

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

The planting area has been surveyed and demarcated with four feet height RCC pillars at inter visible distance (as per the direction of the Forest Range officer, Telkoi Range) with GPS coordinates, forward and backward bearing, pillar No. and distance between pillars inscribed in it. A GPS map in the scale of 1:4000 has been prepared along with GPS co-ordinates, forward & backward bearing, pillar to pillar distance and pillar numbers reflected in the map. A sign board has been erected at a conspicuous location with name of the site, scheme, area etc. depicted on it.

B(III)- SITE PREPARATION AND SILVICULTURAL OPERATION INCLUDING CLEARANCE OF WEED, CLIMBER CUTTING, HIGH STUMP CUTTING, SINGLING OF SHOOTS-

The clearing of the site involving removal of invasive weeds, bushes, climbers, high stumps and singling of shoots will be taken up preferably by the end of February and latest by the end of March. Pits of the dimension 45³ cm. will be dug @400 per ha in the available gaps preferably 2 months before or at least a month before planting of seedlings.

C. PLANTING OPERATION

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

D. POST PLANTING OPERATION

D(1)-CASUALTY REPLACEMENT

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

D(2)-WEEDING AND SOIL WORKING

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

D(3)-MANURING AND INSECTICIDE APPLICATION

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

D(4)-SOIL MOISTURE CONSERVATION MEASURES

Special Soil Moisture Conservation Measures will be taken up through construction of LBCD structures of dimension 10' x 10' x 5' to the tune of 99 nos. over the entire plantation site and staggered trenches of dimension 2.5 x 0.5 x 0.5 mtr to the tune of 300 Nos. per ha over 99.00 ha.

D(5)-PROTECTION AGAINST FIRE AND BIOTIC INTERFERENCE

Fire line tracing will be ensured to protect the plantation from fire and watch & ward will be provided as per the approved norm for protecting the plantation from grazing with involvement of Pitanali VSS.

CHAPTER- VI

Cost norm for ANR plantation @ 400 plants per hectare Wage rate @Rs. 326.00/- Mandays as per revised wage rate communicated by Labour Commissioner, Odisha, Bhubaneswar vide their Notification No. 2433/LC dated 30.04.2022 and approved cost norm communicated by PCCF, Odisha vide memo No. 25281 dated 18.12.2018.

0th year (Advance work) Pre-planting operation.

Sl No	Item of work	Preferable period of execution	person days	Labour (Rs)	Material (Rs)	Total (Rs)
0th year						
1	Survey demarcation and pillar posting, GPS reading with mapping	Nov/Dec	2	652	0	652
2	Site Preparation	Nov/Dec	2	652	0	652
3	Silviculture Operation including clearance of weed, climber cutting, high stump cutting, singling of shoots etc.	Jan/Feb	5	1630	0	1630
4	Nursery cost (6 months old seedling) part @ Rs. 9.45/- seedling (Rs. 6.67 in 0 th year + Rs. 2.78 in 1 st year) for 440 seedlings (400+40)		11	3586	735	4321
5	Contingency and unforeseen expenditure		0		165	165
	Sub Total		20	6520	900	7420
6	Monitoring & Supervision charge 5% of the total cost					371
	Grand Total		20	6520	900	7791
1st year						
1	Nursery cost (6 months old seedling) balance @Rs. 2.78 for 440 seedlings	Apr-Jul	5	1630	223	1853
2	Pitting 30 cm cube size	Feb/Mar	12	3912	0	3912
3	Carriage and planting including casualty replacement	Jul/Aug	10	3260	0	3260
4	Complete weeding, Soil working, manuring	Aug/Sep	12	3912	0	3912
5	Cost of vermin compost @200gms/plant @Rs. 20/-per kg=Rs. 1600.00 and Granular insecticide 5 gms/ plant @ Rs. 80 per kg=Rs.160.00	Aug/Sep	0	0	1760	1760
6	Cost of chemical fertilizer (a) Urea 70 gms/plant in two subsequent doses @ Rs.6 per kg =Rs 168.00 (b) NPK 50 gms/plant @ Rs. 24/- per kg= Rs. 480.00 as basal dose		0	0	648	648
7	Silvicultural operation involving clearance of weeds, cutting of climbers, singling of shoots etc.	Sep/Oct	15	4890	0	4890
8	Soil Conservation Measures (Staggered trenches of dimension 2 m x 0.5 m x 0.5 m @ 60 nos per ha) or its equivalent	Sep/Oct	20	6520	0	6520
9	Fireline Tracing and inspection path	Feb/Mar	3	978	0	978
10	Watch & ward	Aug-Mar	7	2282	0	2282
11	Contingency and unforeseen expenditure		0	0	319	319
	Sub Total		84	27384	2950	30334

12	Monitoring & Supervision charge 5% of the total cost					1516.7
	Grand Total		84	27384	2950	31850.7
2nd year						
1	Casualty Replacement including cost of seedling, carriage and planting	Jul/Aug	2	652	378	1030
2	Complete weeding and cultural operations	Sep/Oct	4	1304	0	1304
3	Soil working and manuring	Sep/Oct	4	1304	0	1304
4	Cost of fertilizer and insecticide (a) Vermicompost 200 gms/plant @ Rs. 20/ per kg=Rs.1600 (b) Granular insecticide 5 gms/plant for 40 plants 200gms @ Rs. 80/- per kg=Rs.16.00	Sep/Oct	0	0	1616	1616
5	Fireline Tracing and inspection path	Feb/Mar	1	326	0	326
6	Soil conservation Measures (Renovation of staggered trenches etc.)	Sep/Oct	8	2608	0	2608
7	Watch & ward (whole year)	Apr-Mar	7	2282	0	2282
8	Contingency and unforeseen expenditure		0	0	362	362
	Sub Total		26	8476	2356	10832
9	Monitoring & Supervision charge 5% of the total cost					541.6
	Grand Total		26	8476	2356	11373.6
3rd Year						
1	Complete weeding and cultural operations	Aug/Sep	2	652	0	652
2	Soil working	Aug/Sep	2	652	0	652
3	Fireline Tracing and inspection path	Feb/Mar	1	326	0	326
4	Watch & ward (whole year)	Apr-Mar	7	2282	0	2282
	Sub Total		12	3912	0	3912
5	Monitoring & Supervision charge 5% of the total cost					195.6
	Grand Total		12	3912	0	4107.6
4th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
5th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
6th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
7th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5%					48.9

	of the total cost					
	Grand Total		3	978	0	1026.9
8th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
9th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9
10th year						
1	Fireline Tracing and inspection path	Feb/Mar	1	326		326
2	Watch & ward and cultural operation	Apr-Mar	2	652		652
	Sub-Total		3	978	0	978
3	Monitoring & Supervision charge 5% of the total cost					48.9
	Grand Total		3	978	0	1026.9

ABSTRACT

Year	Person days	Labour cost @326/- per Manday (Rs.)	Material cost (Rs.)	Monitoring & Supervision charge 5% of the total cost (Rs.)	Total cost (Rs.)
0th Year	20	6520	900	371	7791
1st Year	84	27384	2950	1516.7	31850.7
2nd Year	26	8476	2356	541.6	11373.6
3rd Year	12	3912	0	195.6	4107.6
4th Year	3	978	0	48.90	1026.9
5th Year	3	978	0	48.90	1026.9
6th Year	3	978	0	48.90	1026.9
7th Year	3	978	0	48.90	1026.9
8th Year	3	978	0	48.90	1026.9
9th Year	3	978	0	48.90	1026.9
10th Year	3	978	0	48.90	1026.9
Total	163	53138	6206	2967.2	62311.2
Total Cost of plantation (99.00 ha.)					6168808.8

TOTAL COST OF PROJECT

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

Sl. No.	Description	Amount (Rs)
1	Cost of ANR plantation @400 plants per ha over 99.00 ha of non-forest land @Rs. 62311.2 per ha with 10 years maintenance.	6168808.80
2	Soil Conservation Measures	
i	LBCD Structure of size 10' x 10' x 5' @Rs. 37415 per structure (As per base norm of Matrix for the year 2022-23) for 99 nos.	3704085.00
ii	Cost of Staggered trenches of size 2.5 mt x 0.5 mt x 0.5 mt of 300 nos per ha @ Rs. 19560/- per ha over 99.00 ha	1636440.00
	Total	11509333.8
3	15% of total plantation cost towards EPA/ incentive to VSS including monitoring & evaluation	1726400.07
	Total	1325733.87
4	Add escalation cost (20%)	2647146.77
	Grand Total	15882880.64 Or say 1,58,83,000.00

(Rupees one crore fifty-eight lakh eighty-three thousand) Only

A. PROVISION OF FUNDS AND FUND UTILIZATION

Rs. 1,58,83,000.00 (Rupees one crore fifty-eight lakh eighty-three thousand) only shall be deposited by the User Agency M/s Tata Steel Ltd on approval of the scheme to the Ad-hoc CAMPA Account and the funds will be utilized for raising of Compensatory Afforestation by the Divisional Forest Officer, Keonjhar Division on allotment by the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional Forest Officer,
Keonjhar Division

CHAPTER- VII

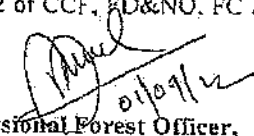
DETAILS OF PROPOSED MONITORING MECHANISM

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


Divisional Forest Officer,
Keonjhar Division

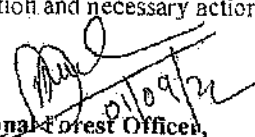
Memo No. 6618 / Dated. 01-09-2022

Copy forwarded to the Divisional Forest Officer, Dhenkanal Division for information and necessary action with reference to Memo No. 14675 dated 26.07.2022 of CCF, FD&NO, FC Act. O/o- the PCCF, Odisha, Bhubaneswar.


01/09/22
Divisional Forest Officer,
Keonjhar Division.

Memo No. 6619 / Dated. 01-09-2022

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


01/09/22
Divisional Forest Officer,
Keonjhar Division.



To

The Divisional Forest Officer,
Keonjhar Division,
Keonjhar

Ref: TIMM/L&L/ 717 /2022
Date: 20.09.2022

Sub: Proposal for diversion of balance forest of 80.826ha (16.566ha of forest land and 64.260ha of non-forest land recorded as Forest as on 25.10.1980) including 3.916ha of forest land in safety zone and 1.129ha of forest land in green belt in addition to 52.348ha of forest land already diverted (total forest land of 133.174ha in ML) within the total mining lease area over 169.00ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd. in Keonjhar district, Odisha during extended ML period as per MMDR (Amendment) Act, 2015.

XSub: Demand of funds towards Compensatory Afforestation at the current wage rate @326/- per Mandays

X Ref: Memo No. 6617/Mining -37/2016, Keonjhar dated, 01.09.2022.

Dear Sir,

We would like to intimate you that as advised in the above-mentioned memo of your good office, we have deposited an amount to the tune of Rs. 5,15,57,200.00 (Rupees Five crore Fifteen lakhs Fifty-seven thousand Two hundred) Only in name of beneficiary ORRISA CAMPA, vide account No. 150825820092941 of Union Bank of India having IFSC Code: UBIN0996335 on dated 13.09.2022 towards demand of funds against various schemes for raising Compensatory Afforestation at the current wage rate @326/- per Mandays prepared for processing the Diversion Proposal of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd. in Keonjhar district, Odisha

Further, we have enclosed herewith the payment receipt duly countersigned by the Bank for your reference and acknowledgement please and oblige.

Thanking you.
Yours faithfully,

Head
MPP, FAM
Tata Steel Ltd.


Encl.: As above.

Recd.
20/9/22

TATA STEEL LIMITED

Ferro Alloys & Minerals Division, Manganese Group of Mines, A/P.O.: Bichhakundi, Via: Joda
Dist: Keonjhar, Odisha - 758 034 Tel.: 9238101370, e-mail: mnminesadmin@tatasteel.com
Regd. Office: Bombay House, 24 Homi Modi Street, Mumbai - 400 001

AGENCY COPY



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 07-09-2022

Agency Name.	TATA STEEL LIMITED SUKINDA CHROMITE MINE
Application No.	6020082941
MoEF/SG File No.	6-01/2019-FC
Location.	ORRISA
Address.	SUKINDA CHROMITE MINE P.O- KALARANGIATTA DIST- JAJPUR ODISHA Jajpur
Amount(in Rs)	61557200/-

Amount in Words :Five Crore Fifteen Lakh Fifty-Seven
Thousand Two Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150825820092941 <small>Valid only for this challan amount.</small>
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

BANK COPY



NEFT / RTGS CHALLAN for CAMPA Funds

Date : 07-09-2022

Agency Name.	TATA STEEL LIMITED SUKINDA CHROMITE MINE
Application No.	6020082941
MoEF/SG File No.	6-01/2019-FC
Location.	ORRISA
Address:	SUKINDA CHROMITE MINE P.O- KALARANGIATTA DIST- JAJPUR ODISHA Jajpur
Amount(in Rs)	61557200/-

Amount in Words :Five Crore Fifteen Lakh Fifty-Seven
Thousand Two Hundred Rupees Only

NEFT/RTGS to be made as per following details;

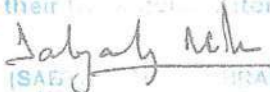
Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150825820092941 <small>Valid only for this challan amount.</small>
Bank Name & Address:	Union Bank Of India Lodhi Complex Branch, Block 11,CGO Complex, Phase I, Lodhi Road, New Delhi -110003

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

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

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



For TATA STEEL LTD.
By their  attorney
(SAB) (SRA)
Head
TATA STEEL LTD.

SNR 58022091364216219

Counter foil



Received ₹ 5,85,947/-
From TATA STEEL LTD.
For NEFT/RTGS by way of
(i) Transfer (ii) Cash (only
NEFT/RTGS) using
cheque No. 585947
favouring ORRISA CAMPA

A/c No. 150825820092941
IFSC Code UBIN0496335

Beneficiary Bank & Branch

Union Bank of India, Lohi conder Branch

Amount ₹ 5,85,947/-

Bank's Charges ₹

Total ₹ 5,85,947/-

(Rupees Five crore Eighty five thousand
Only)

For office Use,

UTR No.

Branch Manager

For TATA STEEL LTD.
By their Constituted Attorney

Sachy Mishra
(SACHY NISHRA)
Head (Mine Planning)
TATA STEEL LTD.



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

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

No. 6617 /Mining-37/2016

Dated, Keonjhar the 01-09-2022

To

The Head (Manganese Group of Mines),
M/s TATA Steel Limited,
At- Bichakundi, P.O. Joda, Dist- Keonjhar

Sub: Proposal for diversion of balance forest of 80.826 ha (16.566 ha of forest land and 64.260 ha of non-forest land recorded as Forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar district, Odisha during extended ML period as per MMDR (Amendment) Act, 2015.

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

Ref: Memo No. 14673 dt. 26.07.2022 & Memo No. 16518 dt. 24.08.2022 of Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar.

Sir,

With reference to the aforementioned letters on the captioned subject, you are requested to deposit the approved amount of Rs. 5,15,57,200/- (Rupees five crore fifteen lakh fifty-seven thousand two hundred) only towards revised Compensatory Afforestation & Addl. Compensatory Afforestation Schemes in respect of Tiringpahar Iron and Manganese Mines of M/s Tata Steel Ltd as per current wage rate @Rs. 326/- per man-day with maintenance of 10 years through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end. The following revised CA & ACA schemes is furnished hereunder-

Sl No.	Particulars	Amount to be deposited as per revised wage rate of Rs. 326/- per man-day (Rs.)	Technically approved by the Authority	Remarks
1	Scheme for Compensatory Afforestation over 64.261 ha non-forest land identified in village Asanbahali under Kankadahad Tahasil of Dhenkanal District.	21023800.00	CCF, FD&NO, FC Act, O/o the PCCF & HoFF, Odisha, Bhubaneswar	Memo No. 14673 dt. 26.07.2022
2	Scheme for Compensatory Afforestation over 13.798 ha non-forest land identified in village Kaliapani under Telkoi Tahasil of Keonjhar District.	5274000.00		Memo No. 16518 dt. 24.08.2022
3	Scheme for Addl. Compensatory Afforestation over 99.00 ha degraded forest land identified in Renda PRF under Telkoi Range of Keonjhar District.	15259400.00		
	Total	51557200.00		

(Rupees five crore fifteen lakh fifty-seven thousand two hundred) only

Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.



To
The Divisional Forest Officer,
Keonjhar Division, Keonjhar.

Ref: TIMM/L&L/ 193/2024
Date: 26.04.2024

Sub: Proposal for diversion of balance forest of 80.826ha (16.566ha of forest land and 64.260ha of non-forest land recorded as Forest as on 25.10.1980) including 3.916ha of forest land in safety zone and 1.129ha of forest land in green belt in addition to 52.348ha of forest land already diverted (total forest land of 133.174ha in ML) within the total mining lease area over 169.00ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd. in Keonjhar district, Odisha during extended ML period as per MMDR (Amendment) Act, 2015.

X Sub: Demand of funds towards Compensatory Afforestation at the current wage rate @450/- per Mandays
Ref: Letter No. 3160/6F-Mining – 51/2023, Keonjhar dated 15.04.2024.

Dear Sir,

We would like to intimate you that as advised by your good office in the above-mentioned memo, we have deposited an amount to the tune of Rs. 1,57,16,500.00 (Rupees One crore Fifty-seven lakhs Sixteen thousand Five hundred) Only vide UTR No. SBINR52024042518252142 in name of beneficiary ORRISA CAMPA, vide account No. 150825820092972 of Union Bank of India having IFSC Code: UBIN0996335 on dated 25.04.2024 towards demand of funds against various schemes for raising Compensatory Afforestation at the current wage rate @450/- per Mandays prepared for processing the Diversion Proposal of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd. in Keonjhar district, Odisha.

Further, we have enclosed herewith the payment receipt duly countersigned by the remittance account of User Agency along with the screen shot of the online payment history of the web page of Parivesh portal for perusal. The requisite payment have also been acknowledged by the concerned authority of CAMPA. (Copy enclosed).

In view of the above, kindly acknowledge the payment receipt enclosed herewith and may further please to process the proposal for obtaining Stage-II FC at an earlier date and oblige.

Thanking you.
Yours faithfully,


Head Planning, FAM
Tata Steel Ltd.

Encl. as above
Copy to:


1. The Dy. Director General (Central), Eastern Regional Office, MoEF & CC Bhubaneswar
2. The Addl. PCCF of Forests (Forest diversion & Nodal Officer), O/o the PCCF, Government of Odisha, Bhubaneswar
3. The Asst. Inspector General of Forest, MoEF & CC, New Delhi.

Received
8/26/4/24


TATA STEEL LIMITED

Manganese Group of Mines, Joda, Ferro Alloys & Minerals Division, At. P.O.: Bichakundi, Via: Joda
Dist: Keonjhar, Odisha-758034
Phone No 9238101370(O)
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

AGENCY COPY







NEFT / RTGS CHALLAN for CAMPA Funds

Date : 22-04-2024

Agency Name.	TATA STEEL LIMITED SUKINDA CHROMITE MINE
Application No.	5820092972
MoEF/SG File No.	8-01/2019-FC
Location.	ORRISA
Address.	SUKINDA CHROMITE MINE P.O- KALARANGIATTA DIST- JAJPUR ODISHA Jajpur
Amount(in Rs)	15716500/-



Amount In Words :One Crore Fifty-Seven Lakh Sixteen
Thousand Five Hundred Rupees Only

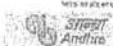
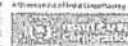
NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150825820092972 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

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

BANK COPY

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 22-04-2024

Agency Name.	TATA STEEL LIMITED SUKINDA CHROMITE MINE
Application No.	5820092972
MoEF/SG File No.	8-01/2019-FC
Location.	ORRISA
Address:	SUKINDA CHROMITE MINE P.O- KALARANGIATTA DIST- JAJPUR ODISHA Jajpur
Amount(in Rs)	15716500/-


Amount In Words :One Crore Fifty-Seven Lakh Sixteen
Thousand Five Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150825820092972 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

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

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

For TATA STEEL LTD.
 By their Authorized Attorney

 (SA) S. MISHRA
 Planning
 TATA STEEL LTD.



SBI NR 52024 042518252142

Counter foil



STATE BANK OF INDIA

Branch ...
Date 23.04.2024
Received ₹ 1,57,16,500/-
From TATA STEEL LTD
For remittance of NEFT/RTGS by way of
(i) Transfer (only NEFT), (ii) Cash (only
NEFT), (iii) Cheque (NEFT/RTGS) using
cheque No. 386009
favouring ORRISA CAMPA

A/c No. 150825820092972
IFSC Code UBIN0996335

Beneficiary Bank & Branch
UNION BANK, Bengaluru
Amount ₹ 15,71,65,000/-

85474161	BRANCH
SBI JODHA BRANCH	
Rupees One crore fifty seven lakh	
Sixteen thousand five hundred	
Only	
97149	UTR No.
Journal No.	
ID No.	

Branch Manager

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachi Mishra
(SABYASACHI MISHRA)
Head Mine Planning
TATA STEEL LTD.



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

Letter No. 3/60

/6F-Mining-51/2023

Dated, Keonjhar the

15th April, 2024

To

The Chief (Manganese Group of Mines),
M/s Tata Steel Ltd., At-Bichakundi, PO- Joda, Dist- Keonjhar.

Sub:

Proposal for diversion of 80.826 ha of Forest Land i.e. 16.566 ha of forest land and 64.260 ha of non-forest land recorded as Forest as on 25.10.1980) including 3.916 ha of forest land in Safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd. in in Keonjhar district, Odisha during ML period as per MMDR (Amendment) Act, 2015- CA Scheme regarding.

X-Sub:

Demand of funds towards differential CA & ACA at the current wage rate @ Rs.450/- per Mandays.

Ref:

Memo No.8042 dated 12.04.2024 of Chief Conservator of Forests, FD & NO, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Sir

With reference to the aforementioned memo on the captioned subject, you are requested to deposit the approved differential amount of Rs. 1,57,16,500.00/- (Rupees one crore fifty seven lakh sixteen thousand five hundred) only towards the revised cost of Compensatory Afforestation & Additional Compensatory Afforestation schemes prepared at the current wage rate of Rs.450/- per mandays in lieu of 80.826 ha forest land proposed for diversion in respect of the aforementioned project through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

Details approved of CA/ACA Schemes

Sl No.	Particulars	Amount due as per revised wage rate of Rs. 450/- per Manday (in Rs)	Amount already deposited by UA (in Rs)	Balance amount to be deposited (in Rs)
1	Scheme for Compensatory Afforestation over 64.261 ha of non-forest Govt. land identified in Vill- Asanbahali under Kanikadahad Tahasil of Dhenkanal District.	4,01,14,600.00	3,10,23,800.00	90,90,800.00
2	Scheme for Compensatory Afforestation over 13.798 ha of non-forest Govt. land identified in Vill- Kaliapani under Telkoi Tahasil of Keonjhar District.	67,51,200.00	52,74,000.00	14,77,200.00
2	Scheme for Additional Compensatory Afforestation over 99.00 ha degraded forest land identified in Randa PRF under Telkoi Forest Range of Keonjhar Forest Division.	2,04,07,900.00	1,52,59,400.00	51,48,500.00
Grand Total		6,72,73,700.00	5,15,57,200.00	1,57,16,500.00

(Rupees one crore fifty seven lakh sixteen thousand five hundred) only.

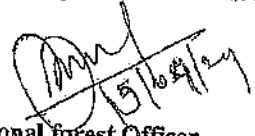
Yours faithfully,


Divisional Forest Officer,
Keonjhar Division.

PTO


Memo No. 8161 /Dated 15.04.24

Copy submitted to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela / Principal Chief Conservator of Forests, FD & NO, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information and necessary action with reference this office memo No.8042 dated 12.04.2024.


Divisional forest Officer,
Keonjhar Division.

Memo No. 8162 /Dated 15.04.24

Copy submitted to the Divisional Forest Officer, Dhenkanal Forest Division for information and necessary action with reference to memo 8044 dated 12.04.2024 of Chief Conservator of Forests, FD & NO, FC Act, O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.


Divisional forest Officer,
Keonjhar Division.

File No.8-01/2019FC

Government of India
Ministry of Environment, Forest and Climate Change
(FC Division)

Indira Paryavaran Bhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.

Dated: 2nd November, 2020

To,

The Addl. Chief Secretary (Forests),
Government of Odisha,
Bhubaneswar.

Sub: Modification in the condition stipulated while granting *In principle* approval for diversion of balance forest of 80.826 ha (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980), in addition to 52.348 ha of forest land already diverted, that includes 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt (total forest land of 133.174 ha in ML) within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s. Tata Steel Ltd. in Keonjhar district, Odisha during extended ML period as per MMDR (Amendment) Act, 2015:reg.

Sir,

I am directed to refer to the representation dated 07.08.2019 of User Agency i.e. Tata Steel Limited requesting to re-consider the following two specific conditions as imposed by FAC and stipulated in Stage-I approval dated 02.08.2019:

- a. *State Government shall submit detail status of reclamation done by the user agency till date. State Government may also see if the user agency had resorted to any violation in respect of any condition stipulated in reclamation plan approved by IBM.*
- b. *State Government shall ensure that 46 ha out of the 80.826 ha un-diverted forest land having vegetation density of more than 0.4, is maintained as green cover, till a comparable area is reclaimed and vegetated.*

2. After careful examination of the representation of the user agency, comments made by the State Government on the said representation vide their letter No.10F(Cons) 104/2016-12353/F&E dated 14.08.2020, recommendations of the Forest Advisory Committee in its meeting held on 21.09.2020 and acceptance of the same by the competent authority, the above conditions for Stage-I approval dated 02.08.2019 are hereby modified as below:

- a. *State Government shall see if any violation has been committed in respect of any condition stipulated in reclamation plan approved by IBM.*
- b. *Deleted*

3. The text of the remaining conditions as stipulated in Stage-I approval of even no. dated 02.08.2019 shall remain the same.

Yours faithfully,

Sd/
(Sandeep Sharma)

Assistant Inspector General of Forests

Copy to:

The Principal Chief Conservator of Forests, Government of Odisha, Bhubaneswar.

1. The Nodal Officer - O/o the PCCF, Government of Odisha, Bhubaneswar.

2. The Dy. Director General (Central), Integrated Regional Office, Bhubaneswar

3. User Agency

4. Monitoring Cell of FC Division, MoEF&CC, New Delhi

5. Guard File



To
The Divisional Forest Officer
Keonjhar

Ref No. TP/L&L/420/2016
Date : 27.06.2016

Sub: Payment of the funds towards Net Present Value (NPV) in respect of the Non-Forest land, involved in mining lease, recorded as forest as on 25.10.1980 over 64.260 hectare w.r.t. Tiringpahar Iron & Manganese Mine of M/s Tata Steel Ltd. in Keonjhar District.

Ref: Your letter No. 4543/Mining dated 17.06.2016.


Dear Sir,

With reference to your letter referred above, demand of Rs. 4,69,09,800/- (Rupees four crore sixty-nine lakh nine thousand eight hundred only) was issued for payment of NPV over 64.260 ha non-forest land at Tiringpahar Iron and Manganese Mine through e-portal of MoEF & CC, GoI as provided in <http://forestsclearance.nic.in>.

We wish to mention that above amount of Rs. 4,69,09,800/- has been deposited in ORISSA CAMPA, corporation Bank Account No. 15082MIN7042004443 after approval of the same by Nodal Officer. Challan generated through <http://forestsclearance.nic.in> and payment Challan of Bank are attached as Annexure-I and Annexure-II respectively.

Thanking You

Yours sincerely,
For: Tata Steel Ltd.


S. N. Jha.
Head,
Manganese Group of Mines

Encl.: As above

Received

O/O the Divisional Forest Officer
Keonjhar Division

TATA STEEL LIMITED

Manganese Group of Mines, Joda Ferro Alloys & Minerals Division, At: PO: Bichakundi, Via: Joda
Dist: Keonjhar, Odisha-758034
Phone No 9238101370(O)
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

6/2016

NEFT/RTGS CHALLAN

AGENCY COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 20-06-2016

Agency Name.	TATA STEEL LIMITED KHONDBOND IRON AND MIN MINES
Application No.	MIN7042004443
Location.	ORRISA
Address.	Tata Steel Limited, Khondbond Iron & Mn. Mines, P. Keonjhar
Amount(in Rs)	46909800/-

Amount in Words : Four Crore Sixty-Nine Lakh Nine Thousand Eight Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	15082MIN7042004443
Bank Name & Address:	Corporation Bank FCS Bangalore 21/1, 3rd floor Jellita Towers Mission Road Bangalore -560027

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

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

BANK COPY

NEFT / RTGS CHALLAN for Ad-HOC CAMPA

Date : 20-06-2016

Agency Name.	TATA STEEL LIMITED KHONDBOND IRON AND MIN MINES
Application No.	MIN7042004443
Location.	ORRISA
Address:	Tata Steel Limited, Khondbond Iron & Mn. Mines, P. Keonjhar
Amount(in Rs)	46909800/-

Amount in Words : Four Crore Sixty-Nine Lakh Nine Thousand Eight Hundred Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	ORRISA CAMPA
IFSC Code:	CORP0000633
Pay to Account No.	15082MIN7042004443
Bank Name & Address:	Corporation Bank FCS Bangalore 21/1, 3rd floor Jellita Towers Mission Road Bangalore -560027

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

For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachi Mishra
(SABYASACHI MISHRA)
Head Mine Planning
TATA STEEL LTD.



UTR No 881N516178371865

Sheet3

Payment Details	
Customer payment Header Information	
UTR NO	SBIN516173371865
Transaction Reference No	MIN7042004443
Receiver Participant	CORPORATION BANK
Status	Authorised
Transaction Details	
Account Type	Customer
Branch	SBI KALARANGIATTA
Account No	10757669067
Name	TATA STEEL LIMITED
Transaction Amount	4,69,09,800.00 INR
Amount in words	Four crore sixty nine lakh nine thousand eighty hundred rupees only
Currency	INR
Value Date(dd/mm/yyyy)	21/06/2016
Ordering Customer Details	
Account No	10757669067
Name	TATA STEEL LIMITED
Address	SUKINDA CHROMITE MINE AT/PO-KALARANGIATTA DIST -JAJPUR
Ordering Institution Details	
Name	STATE BANK OF INDIA
Address	KALARANGIATTA BRANCH AT/PO-KALARANGIATTA, DIST JAJPUR
Beneficiary Customer Details	
Account No	15082MIN7042004443
Name	ORISSA CAMPA
Address	FCS BANGALORE
Payment Details	Fund transferred through RTGS

For TATA STEEL LTD.
By the *Sabyasachi Mishra*
(SABYASACHI MISHRA)
Head of Planning
TATA STEEL LTD.

Page 1

21/6/16



Ref: L&L/GM(O)/

/2010

Dt 02.07.2010

The Divisional Forest Officer,
Keonjhar Forest Division,
Keonjhar.

Subject: Diversion of forest land in respect of Tiring Pahar lease in Barbil Tahasil of Keonjhar District.-Payment of N.P.V. at revised rate.

Dear Sir,

Please refer to your Demand Notice vide office order No.243/Mining dated 19th June 2010 for payment of NPV of balance forest area in respect of our Tiring Pahar lease.

We enclose herewith a Demand draft No 771230 dated 1st July 2010 drawn on State Bank of India, Kalrangiatta for Rs. 1,20,93,180.00 (Rupees One crore twenty lakh ninety three thousand, one hundred eighty only) in favor of Compensatory Afforestation Fund Orissa, Account No. CA-1585 payable at New Delhi.

The diversion proposal over 13.798 ha of balance forest area has been submitted to Chief Conservator of Forests, Forest Diversion & Nodal Officer, FC Act vide FAMD/29 dated 4.06.2010. We request you to process the diversion proposal of the balance forest and refund/adjust the amount of NPV payable over 13.798 ha.

We also hereby undertake to pay additional NPV amount that may arise due to change in applicable rate upon exact assessment of the Eco-value Class and forest type, with respect to the Tiring Pahar lease.

I hereby acknowledge the receipt of DD No 771230 Dt 01.07.10 for Rs 1,20,93,180.00

Thanking you,
Yours faithfully,
Tata Steel Ltd.

General Manager(O)
A&M, Sukinda
Enclose : As above.

TATA STEEL LIMITED

Sukinda Chromite Mine PO Kalarangiatta Dist Jajpur Orissa 755028
Phone no. 91 6726 268765 Fax : 91 6726 268734
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Revised
24/7/10
HEAD CLERK
To the Divisional Forest Officer
Keonjhar Division

OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Ph.No. 06766-254315, FAX 06766-254041: email: ofsdp_kjr@rediffmail.com

Office Order No. 243 /Mining

Dated, Keonjhar the 19-6-2010.

In partial modification of this office order No. 148 dt.5.6.2010, the revised demand of NPV in respect of Tiringipahar (Guruda Block) Manganese Mines of M/S Tata Steel Ltd. is as follows:

01. Whereas M/s. TATA Steel Ltd. has applied for ML/RML under Section- 2 of F.C. Act over 169.00 ha. of land for their Tiringipahar Iron & Manganese Mines out of which 68.914 ha. is forest land as per the following classification:
 - i. Reserve Forest - 10.392 Ha.
 - ii. Revenue Forest - Nil.
 - iii. DLC - 58.522 Ha.Total - 68.914 Ha.
02. Whereas GoI, MoEF vide their Letter No. 8-80/04-FC dated 28.03.07 sanctioned approval of ML/RML/TWP over 52.348 ha. of forest land subject to payment of NPV.
03. Whereas the Apex Court on the recommendation of Central Empowered Committee have issued order for recovery of NPV for the entire forest area deducting the amount of NPV already paid.
04. Whereas the Divisional Forest Officer is vested with the authority by the Apex Court to issue Demand by 24th of June, 2010 at the appropriate rate depending on Eco-value class and the canopy density of the forest area in question.
05. Whereas the lessee has already paid an amount of Rs.3,72,80,500/- towards NPV in respect of 52.348 ha. of forest land prior to 28.3.2008.
06. Whereas the forest area in question falls under Class - I of Eco-value class and 0.2 canopy density for which NPV for Rs. 1,20,93,180/- is to be charged at the rate of Rs.7,30,000/- per ha. over 16.566 Ha (68.914 ha - 52.348 ha).
07. Now therefore the undersigned by virtue of authority vested by the Apex Court, hereby issue demand notice for payment of differential amount of Rs.1,20,93,180/- towards NPV within 30 days of issue of this order, failing which all mining operations will be closed till the payment along with the interest is deposited. The differential amount be deposited in shape of Demand Draft drawn in favour of Compensatory Afforestation Fund (CAF) Orissa, Account No. CA-1585 in Corporation Bank Lodhi Road, New Delhi.

It is further ordered that in the event of upward revisions of NPV, an undertaking to pay the differential is to be submitted by the lessee.

(S.K.Mohanty, IFS)

Divisional Forest Officer,
Keonjhar Division.

Memo No 5047 /Dated. 19-6-10

Copy forwarded to Chief Joda, Tiringipahar Iron & Manganese Mines, M/s Tata Steels Ltd, At /Po- Joda, Dist-Keonjhar for information and necessary action with reference to this office Memo No.4472 dt.5.6.2010.

19-6-10
Divisional Forest Officer,
Keonjhar Division.

Received

15/12/05

15/12/05



Ref: SCM/CO/JW/

Dated: 15/12/05

The Divisional Forest Officer,
Keonjhar Division,
Keonjhar

Dear Sir,

Sub: Diversion of 52.348 Ha. of Forest land for renewal of Mining Lease in Tiringpahar
Manganese Mines (Guruda Block) of M/s TISCO Ltd. in Keonjhar District.

Ref: Your letter No. 6874 dt. 25/11/05 and letter No. 8-80/2004-FC dt. 26/5/05 of G.O.I., MoEF

As per conditions stipulated by Govt. of India, MoEF, in Stage-I approval order and your above-mentioned letter, we are depositing Rs. 4,13,16,249.00 (Rupees four crores thirteen lakhs sixteen thousand two hundred forty nine only) in the shape of Demand Draft No. 062994 dt. 14/12/05. This payment is towards the cost of raising and maintaining Compensatory Afforestation, Safety Zone, Net Present Value and our contribution towards Wild Life Management Plan as stipulated in condition No. 2, 4, 5 & 6 of Stage-I approval order of MoEF, Government of India vide letter No. 8-80/2004-FC dt. 26/5/05. Infrastructural facilities as mentioned in the Compensatory Afforestation scheme shall be provided immediately in consultation with you. We are also in the process of complying with condition No. 1 and 8.

We shall be thankful to you for sending intimation about the compliance of above conditions to Chief Conservator of Forests (Nodal), O/O PCCF, Govt. of Orissa, Bhubaneswar.

Kindly acknowledge receipt of the above Demand Draft.

Thanking you,

Yours faithfully,
P: Tata Steel Limited

Tanapad

Chief (Operations)
FA&M

Encl: 1 Demand Draft

TATA STEEL LIMITED

Sukinda Chromite Mine, PO: Alagarajpur Dist: Jajpur Orissa 753028
Phone No: 91 6726 248265 Fax: 91 6726 258734
Registered Office: Bhubaneswar, Orissa India
www.tatasteel.com

Under Receipt No. 1515254 = (Rupees) Five Lakh Sixty Thousand Six Hundred Fifty Only
 Schedule VIII of 1986 (See 8/2/86) (O.S. 8/2/86)
 CHAIAN No. 1515254
 ORIGINAL

To be filled in by the Depositor or the Treasurer

Name for designation and address of the person on whose behalf money is paid	Full particulars of the remittance and of authority (if any)	Amount	Head of account	Order to the Bank
Being the amount for compliance of storage condition of Tungabhadra Mn. under 4th of 1950.	100% of 1515254	1515254	01-foresty - 800 - other	Order to the Bank
25% of 1515254	378813.5	378813.5	01-foresty - 800 - other	Order to the Bank
33% of 1515254	502034.2	502034.2	01-foresty - 800 - other	Order to the Bank
44% of 1515254	666711.8	666711.8	01-foresty - 800 - other	Order to the Bank
55% of 1515254	833389.9	833389.9	01-foresty - 800 - other	Order to the Bank
66% of 1515254	1000068.0	1000068.0	01-foresty - 800 - other	Order to the Bank
77% of 1515254	1166736.1	1166736.1	01-foresty - 800 - other	Order to the Bank
88% of 1515254	1333404.2	1333404.2	01-foresty - 800 - other	Order to the Bank
99% of 1515254	1500072.3	1500072.3	01-foresty - 800 - other	Order to the Bank
TOTAL	1515254	1515254	01-foresty - 800 - other	Order to the Bank

To be filled in by the Depositor or the Treasurer

Name: Chief Minister
 Signature: [Signature]
 Date: 15/11/86
 Received payment of Rs. 1515254 only
 Date: 15/11/86
 Treasury Officer, [Signature]

By their Constituted Attorney
[Signature]
 (SABYASACHY MISHRA)
 Head Mine Planning

By the
 Attorney
 LTD.
 Planning
 LTD.

RECEIPT
 OF
 PAYMENT

Note 1.—In the case of payments at the Treasury, receipts for sums less than Rs. 500 do not require the signature of the Treasury Officer but only of the Accountant and the Treasurer. Receipts however for cash and cheques paid for service stamps should always be signed by the Treasury Officer (S. R. 3).

Note 2.—Particulars of money tendered should be given on the reverse.

Note 3.—In cases where direct receipt is given are permissible in column "Head of accounts" will be filled in by the Treasury Officer or the Accounts Officer as the case may be on receipt of the Bank's Daily Sheet.

Particulars		Amount	
Coin		Rs.	P
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Cheques (with details)			
D.D. No. 062999 dt. 14-12-05 on		21316299	-
8001 Damaged pns		413	249
TOTAL			-

(SAR) ASKONY (EHRRA)
Head (Hing Planning)
DATA STEEL LTD.

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CHALMERS
J. W. McCombs

05151

TO BE FILLED IN

NO BE DIRECTOR OF THE "KODAK"

Expenditure of the Government of India for the year 1900-01.

FOR DEPOSIT OF THE Amount

**Head of
Account:**

ॐ नमो भगवते वासुदेवाय

Signature—

Divisional Forest Officer
Mangalore Division

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 3. Comp. Adm.
 4. Safety Zone
 5. Adm. Dir 15 lines

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*Divisional Forest Officer
Full Stoppage Division
N.W. Frontier Province*

Received Payment
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sent to be used only in

THESE

Accountant's Office
1000 1st Street NW
Washington, D.C. 20004

Date -- no card and "out"

IRELAND: C. C.

GOVERNMENT OF ODISHA
FOREST & ENVIRONMENT DEPARTMENT

NOTIFICATION

No.FE-DIV-FLD-0067-2021- 10901 / F&E, Date 22-06-2021
10F (Cons) 140/2016

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 **Kaliapani** under Telkoi Tahasil in the District of Keonjhar mutated and transferred in favour of Forest & Environment Department for the purpose of raising compensatory afforestation thereon against the proposed diversion of balance forest of 80.826 ha (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted within the total mining lease area over 169.00 ha of Tiringpahar Iron & Manganese Mines of M/s TATA Steel Ltd. in Keonjhar District, Odisha vide in-principle approval order No.8-01/2019-FC dtd.02.08.2019 of Government of India, Ministry of Environment, Forests & Climate Change (FC Division), New Delhi under Section 2 of the Forest (Conservation) Act, 1980, the limits of which are specified below and the area of which is 13.7978 ha (34.095 acres), shall be Protected Forest with effect from the date of issue of the Notification and shall be known as "**Kaliapani Protected Forest**".

Forest Block:

Name of the Protected Forest	:	Kaliapani Protected Forest
Area in Ha	:	13.7978 ha
Area in acres	:	34.095 Ac.
Name of the Village	:	Kaliapani
Name of the Police Station	:	Kanjipani
Name of the Tahasil	:	Telkoi
Name of the Sub-Division	:	Keonjhar
Name of the District	:	Keonjhar

Land Schedule:

Village	Khata No.	Plot No.	Kissam	Total area in Ac.	Boundary description			
					North	South	East	West
Kaliapani	25/1	239/294	Parbata-I	4.838	Plot No. 239 (P)	Plot No. 238	Plot No. 259	Plot No. 96, 97 & 106
		238		29.257	Plot No. 239/294	Plot No. 237	Plot No. 259, 264 & 265	Plot No. 106, 118, 119, 120, 121, 123, 124, 125, 126, 127 & 236
Total				34.095 Ac (13.7978 ha)				

By Order of the Governor



(DR. MONA SHARMA)

Additional Chief Secretary to Government

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 10902 /F&E Date 22-06-2021

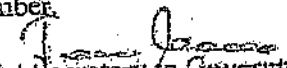
Copy with copy of soft copy (in CD form) forwarded to the Director of Printing, Stationery

By e-mail: deputydirectorpp@rediffmail.com

Memo No. 8044 /F&E Date 22.04.21


Copy with soft copy (in CD form) forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to F&E Deptt./Director of Land Records and Surveys, Odisha, Cuttack/ Collector, Dhenkanal / D.F.O., Dhenkanal Forest Division/Tahasildar-Kankadahad, Dist- Dhenkanal.

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


Special Secretary to Government


Memo No. 8045 /F&E Date 22.04.21

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


Special Secretary to Government


Memo No. 8046 /F&E Date 22.04.21

Copy forwarded to the Revenue & Disaster Management Deptt./ Director of Land Records and Survey, Odisha, Cuttack/ R.D.C.(Northern Division) Sambalpur, Dist-Sambalpur/ Collector & District Magistrate, Dhenkanal/Tahasildar-Kankadahad, Dist-Dhenkanal for information and necessary action.


Special Secretary to Government

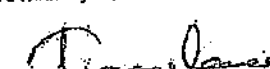
Memo No. 8047 /F&E Date 22.04.21

Copy forwarded to the Principal Chief Conservator of Forests, Odisha/ Principal Chief Conservator of Forests (Forest Division) & Nodal Officer, FC Act O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Regional Chief Conservator of Forests, Rourkela Circle/ D.F.O., Dhenkanal Forest Division/ D.F.O., Keonjhar Forest Division for information and necessary action.


Special Secretary to Government

Memo No. 8048 /F&E Date 22.04.21

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


Special Secretary to Government

Memo No. 8049 /F&E Date 22.04.21

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


Special Secretary to Government

**GOVERNMENT OF ODISHA
FOREST & ENVIRONMENT DEPARTMENT**

NOTIFICATION

No.EE-DIV-FLD-0067-2021- 8042 / F&E, Date 22.04.21
10F (Cons) 140/2016

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- Asanbahali under Kankadahad Tahasil in the District of Dhenkanal mutated and transferred in favour of Forest & Environment Department for the purpose of raising compensatory afforestation thereon against the proposed diversion of balance forest of 80.826 ha (16.566 ha of forest land and 64.260 ha of non-forest land recorded as forest as on 25.10.1980) including 3.916 ha of forest land in safety zone and 1.129 ha of forest land in green belt in addition to 52.348 ha of forest land already diverted within the total mining lease area over 169.90 ha of Tiringpahar Iron & Manganese Mines of M/s TATA Steel Ltd. in Keonjhar District, Odisha vide in-principle approval order No.8-01/2019-FC dtd.02.08.2019 of Government of India, Ministry of Environment, Forests & Climate Change (FC Division), New Delhi under Section 2 of the Forest (Conservation) Act, 1980; the limits of which are specified below and the area of which is 64.2597 ha (158.789 acres), shall be Protected Forests with effect from the date of issue of the Notification and shall be known as "Asanbahali Protected Forest".

Forest Block:

Name of the Protected Forest	:	Asanbahali Protected Forest
Area in Ha	:	64.2597 ha.
Area in acres	:	158.789 Ac.
Name of the Village	:	Asanbahali
Name of the Police Station	:	Parjang
Name of the Tahasil	:	Kankadahad
Name of the Sub-Division	:	Kamakhyanagar
Name of the District	:	Dhenkanal

Land Schedule:

Land Schedule.								
Village	Khata No.	Plot No.	Kisam	Total area in Ha.	Boundary description.			
					North	South	East	West
Asanbahali	186/48	1781/2882	Patita	74.039	Boundary of Village Debahali	Plot No. 1780 & 1782	Boundary of Village Debahali	Plot No. 1781(Pt), 2388, 127/2389, 127, 394
		1782		45.750	Plot No. 1781/2882	Plot No. 1783 & 1854	Boundary of Village Debahali & khanda	Plot No. 1780
		127/2389		39.000	Plot No. 127	Plot No. 394	Plot No. 1781/2882	Plot No. 90, 125, 126, 128, 132, 133, 135, 174, 383, 2536, 2584
Total				158.789Ac (64.2597)ha				

By Order of the Governor

(Signature)

(DR. MONA SHARMA)

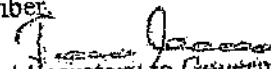
Additional Chief Secretary to Government

By e-mail: deputydirectorop@rediffmail.com

Memo No. 8044 /F&E Date 22.04.21


Copy with soft copy (in CD form) forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to F&E Deptt./Director of Land Records and Surveys, Odisha, Cuttack/ Collector, Dhenkanal / D.F.O., Dhenkanal Forest Division/Tahasildar-Kankadahad, Dist- Dhenkanal.

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


Special Secretary to Government
19/4/21


Memo No. 8045 /F&E Date 22.04.21

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


Special Secretary to Government
19/4/21


Memo No. 8046 /F&E Date 22.04.21

Copy forwarded to the Revenue & Disaster Management Deptt./ Director of Land Records and Survey, Odisha, Cuttack/ R.D.C. (Northern Division) Sambalpur, Dist-Sambalpur/ Collector & District Magistrate, Dhenkanal/Tahasildar-Kankadahad, Dist-Dhenkanal for information and necessary action.


Special Secretary to Government
19/4/21

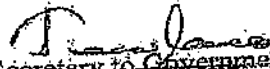
Memo No. 8047 /F&E Date 22.04.21

Copy forwarded to the Principal Chief Conservator of Forests, Odisha/ Principal Chief Conservator of Forests (Forest Division) & Nodal Officer, FC Act O/o the PCCF, Odisha/ Regional Chief Conservator of Forests, Angul Circle/ Regional Chief Conservator of Forests, Rourkela Circle/ D.F.O., Dhenkanal Forest Division/ D.F.O., Keonjhar Forest Division for information and necessary action.


Special Secretary to Government
19/4/21


Memo No. 8048 /F&E Date 22.04.21

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


Special Secretary to Government
19/4/21

Memo No. 8049 /F&E Date 22.04.21

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


Special Secretary to Government
19/4/21

ANNEXURE-X

PARIVESH
परिवेश

Ministry of Environment, Forest and Climate Change

Government of India

“Pro-Active and Responsive Facilitation by Interactive, Virtuous and Environmental Single Window. Hub”

My Account

My Proposals Environment Clearance

Only CRZ Clearance

My Proposals Forest Clearance

My Proposals Wildlife Clearance

Help

Online Payment History made by User Agency under CRZ.

Sl. No./Proposal Detail	Application No.	Application Date	Date of PR	PRINCLE	Amounts as per Amount Paid (INR)	Payment Status	Payment Date	Payment Letter
1. TPO/MIN/2002/2016 Tripahar Iron & Mangnese Mine (Guruda Block)	MIN200922016972	5820092972	02 Aug 2019		CA: 1958000/- PCA: 0/- Safety Zone: 0/- NPV: 0/- Other Charges1: 0/- Other Charges2: 0/- Other Charges3: 0/- Total: 1958000/-	Paid	Fund Demand Verified by :20 Apr 2024 Nodal Officer On : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On :22 Apr 2024 Transaction Date :25 Apr 2024	Demand Letter Generated (Challan)
2. TPO/MIN/2002/2016 Tripahar Iron & Mangnese Mine (Guruda Block)	MIN200922016941	5820092941	02 Aug 2019		CA: 3639760/- PCA: 0/- Safety Zone: 0/- NPV: 0/- Other Charges1: 0/- Other Charges2: 0/- Other Charges3: 0/- Total: 3639760/-	Paid	Fund Demand Verified by :07 Sep 2022 Nodal Officer On : Union Bank Of India Mode of Payment : NEFT/RTGS (Challan) Challan Generated On :07 Sep 2022 Transaction Date :13 Sep 2022	Demand Letter Generated (Challan)
3. TPO/MIN/16331/2013 SUKINDA CHROMITE	MIN163312015824	58163311824	04 Jul 2017		CA: 0/- PCA: 0/- Safety Zone: 0/- NPV: 0/- Other Charges1: 0/- Other Charges2: 0/- Other Charges3: 0/- Total: 51557200/-	Paid	Fund Demand Verified by :31 Oct 2017 Nodal Officer On : Corporation Bank Mode of Payment : NEFT/RTGS (Challan) Challan Generated On :31 Oct 2017 Transaction Date :31 Oct 2017	Demand Letter Generated (Challan)

Type here to search

10:14


26-04-2024

DNS

For TATA STEEL LTD.
By their Constituted Attorney
Sakshi Mishra
(SAKSHI MISHRA)
Head Mine Planning
TATA STEEL LTD.

5

Details of deposits							Remarks
Sl No.	Type of deposit {NPV/CA/ IWM/ Others (specify)}	Whether by RTGS/DD/ NEFT (Specify)	UTR/ DD No.	Amount deposited (Rs.)	Date of deposit	Name of Bank from which amount transferred to account of CAF	
i)	NPV	DD	083748 & 083749	3,72,80,500/-	15.06.2006	SBI	Rs.1,31,93,22,911/- DD deposited vide No 083748 & 083749 Dt.15.06.2006 which includes NPV of Rs. 3,72,80,500/-
		DD	771230	1,20,93,180/-	01.07.2010	SBI	
		RTGS	Parivesh Portal	4,69,09,800/-	21.06.2016	SBI	
ii)	Compensatory Afforestation Scheme	RTGS (CA)	Parivesh Portal	3,62,97,800/-	13.09.2022	SBI	Union Bank of India, Lodhi Complex Branch New Delhi
		RTGS (Diff.CA)	Parivesh Portal	1,05,68,000/-	25.04.2024	SBI	
		RTGS(ACA)	Parivesh Portal	1,52,59,400/-	13.09.2022	SBI	
iii)	Add. Compensatory Afforestation Scheme	RTGS (Diff.ACA)	Parivesh Portal	51,48,500/-	25.04.2024	SBI	Union Bank of India, Lodhi Complex Branch New Delhi
iv)	Catchment Area Treatment Plan	-	-	-	-	-	Corporation Bank FCS Bangalore
	Site Specific Wildlife Conservation Plan	RTGS	Parivesh Portal	2,40,47,000/-	09.03.2018	SBI	


 Divisional Forest Officer
 Keonjhar Forest Division

Principal Chief Conservator of Forests
 (FD & Nodal Officer FC Act)

Date:
 Place

No.J-11015/87/2004-IA.II(M)
Government of India
Ministry of Environment & Forests

Parvendra Bhawan,
C.G.O. Complex, Lodi Road,
New Delhi-110003.

Dated: 17th November 2005

To
Shri Chandra Choudhary,
Chief Resident Executive,
M/s. The Tata Iron & Steel Company Limited
(M/s. Tata Steel Ltd.),
Jeevan Bhawan Building Tower 1, 10th Floor,
124, Connaught Circus,
New Delhi-110001.

Sub: Expansion of Tingpahar Manganese Mine (0.43 LTPA to 0.85 LTPA) of M/s
The Tata Iron & Steel Company Limited located in villages Guruda, Plasha,
Khondband & Jaribahal, Tehsil Barbil, District, Keonjhar, Orissa -
Application for Environmental clearance -reg.

Sir,

This has reference your letter dated 23.11.2004 enclosing the application and subsequent letters dated 03.12.2004, 27.01.2005, 01.04.2005, 28.04.2005 and 08.06.2005 on the subject mentioned above. The Ministry of Environment and Forests has examined the application. It is noted that the proposal is for expansion in production of manganese ore in the Tingpahar Manganese Mine. The total lease area of the mine is 169 ha of which 70.514 ha is forestland, 49.696 ha is wasteland, 5.653 ha is grazing land and 41.826 ha is fallow land and 1.311 ha is agricultural land. Forestry clearance has been obtained on 26.05.2005 for 52.34 ha. There are no ecologically sensitive areas such as National Parks, Tiger Reserves, Biosphere Reserves within 10 km of mine site. The ML is located within the Bailarni RF and the Chamakpur RF. Of the total lease area of 169 ha, area to be excavated is 80.667 ha, 21.996 ha is for OB dumps, 11.560 ha is for mineral storage, 0.450 ha is for infrastructure, 3.778 ha is for roads, 6.774 ha is for greenbelt and 43.775 ha is for future exploration. The targeted expansion in annual production capacity of the mine is from 0.43 lakh tonnes per annum (LTPA) to 0.85 LTPA. This project does not involve displacement of people. Bailarni river flows at a distance of 4.5 km and Kundra Nala at 6.6 km from ML boundary. Mining is opencast by semi-mechanised method and involves drilling and blasting. 50 vehicles per day will transport an estimated 183 TPD of manganese ore. Approx. 0.70 mld of OB has been already accumulated and an estimated 0.99 Mm³/annum of OB will be generated. Partial backfilling is proposed from year 2006-07. Peak water requirement of 56 m³/d will be met from Kundra Nala through existing facilities. Water table is in the range of 6.5-9.5 m below ground level (bgl) during pre-monsoon and 2.5 m- 5.0 m bgl (post-monsoon). Mining is for a depth of 60m in the hill and will not encounter ground water table. Life of the mine at the rated capacity is 20 years. NOC from the Orissa Pollution Control Board has been obtained on 17.11.2004. Approval of IBM for Modification of Mining Scheme was obtained on 24.03.2005. Public hearing was held on 29.09.2004. The capital project cost is Rs. 190 lakhs.

2. The Ministry of Environment and Forests hereby accords environmental clearance to the above mentioned Tiringpahar Manganese Mine of M/s The Tata Iron and Steel Co. Ltd. to enhance production of Manganese ore from 0.43 lakh tonnes per annum (LTPA) to 0.55 LTPA involving a lease area of 165 ha under the provisions of the Environmental Impact Assessment Notification, 1994 and amendments thereto subject to strict compliance of the terms and conditions mentioned below:

A. Specific conditions

- (i) Mining shall not be undertaken in areas of forestland within the lease for which forestry clearance has not been obtained.
- (ii) Top soil generated should be stacked properly with proper slope at earmarked site(s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.
- (iii) OB and other wastes should be stacked at earmarked sites only and should not be kept active for long periods of time.
Plantation should be taken up for soil stabilisation along the slopes of the dump and terraced after every 5-6 m of height and overall slope angle shall be maintained not exceeding 25°. Sedimentation pits shall be constructed at the corners of the garland drains. Retention/Toe walls shall be provided at the base of the dumps.
- (iv) Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The drains should be regularly desilted and maintained properly.
Garland drains (size, gradient & length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.
Storm water return system should be provided. Storm water should not be allowed to go to the effluent treatment plant during high rainfall/super cyclone period. A separate storm water sump for this purpose should be created.
- (v) Dimension of retaining wall at the toe of OB dumps and benches within the mine to check run-off and siltation should be based on the rainfall data.
- (vi) Trace Metals such as Ni, Co, As, and Hg should be analysed in dust fall and soil samples for at least one year during summer, monsoon and winter seasons. If concentrations of these metals are found below the standards then with prior approval of MOEF this specific monitoring could be discontinued.
- (vii) Mineral and OB transportation shall be in trucks/dumpers covered with tarpaulins. Vehicular emissions should be kept under control and regularly monitored. Suitable measures should be taken to check fugitive emissions from haulage roads, transfer points, etc.
- (viii) A green belt of adequate width and area of 1.9 ha should be raised by planting the native species around ML area, and in addition plantation should also be carried out along roads, OB dump sites (21.995 ha) and in other areas within the lease (47.774 ha) covering a total area of 71.67 ha in consultation with the

- local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha.
- (ix) Groundwater shall not be used for mine operations. Prior approval of CGWA shall be obtained for using groundwater.
 - (x) Mining will not intersect groundwater. Prior permission of the MOEF and CGWA shall be taken to mine below water table.
 - (xi) Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. The monitoring should be done for quantity four times a year in pre-monsoon (April/May), monsoon (August), post-monsoon (November) and winter (January) seasons and for quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and the Central Ground Water Authority quarterly.
 - (xii) Trace metals such as Fe, Cr+6, Cu, Se, As, Cd, Hg, Pb, Zn and Mn at specific locations for both surface water downstream and in ground water at lower elevations from mine area, shall be periodically monitored in consultation with the OSPOB and State Ground Water Board. Suitable treatment measures shall be undertaken in case levels are found to be higher than permissible limits.
 - (xiii) "Consent to Operate" should be obtained from SPCB before expanding mining activities.
 - (xiv) A Conservation Plan for conservation of endangered fauna including the Indian Elephant found in and around the mine area shall be prepared and implemented in consultation with identified agencies/institutions and with the State Forest Department. The Plan should be dovetailed with that prepared/under implementation/proposed for the endangered fauna found in the Reserve Forest in the buffer zone of the project site. The costs for the specific activities/tasks should be earmarked in the Conservation Plan and shall not be diverted for any other purpose. Year-wise status of the implementation of the Plan and the expenditure thereon should be reported to the Ministry of Environment & Forests, RO, Bhubaneswar.
 - (xv) A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

B. General Conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including excavation, quantum of manganese ore and waste should be made.
- (iii) Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.

Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Ministry including its Regional office at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months.

- (iv) Drills should be wet operated or with dust extractors and controlled blasting should be practiced.
- (v) Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangements on haul roads, wagon loading, dumpers/ trucks, loading & unloading points should be provided and properly maintained.
- (vi) Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM, etc should be provided with ear plugs / muffs.
- (vii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
- (viii) Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the State Pollution Control Board.
- (ix) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (x) 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.
- (xi) 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.
- (xii) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xiii) A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom and suggestion / representation has been received while processing the proposal.
- (xiv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.


- (xv) The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven 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 may also be seen at Web Site of the Ministry of Environment & Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.
3. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.
5. The above conditions will be enforced, inter alia, under the provisions of 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.



(Dr. T. Chandini)
Additional Director

Copy to:

1. Secretary, Ministry of Steel, Shastri Bhawan, New Delhi
2. Secretary, Department of Steel and Mines, Government of Orissa, Secretariat, Bhubaneswar.
3. Secretary, Department of Environment & Forests, Government of Orissa, Secretariat, Bhubaneswar.
4. Principal CCF and Chief Wildlife Warden, Government of Orissa, Prakruti Bhawan, Nilakantha Nagar, Bhubaneswar - 751012.
5. Chairman, Orissa Pollution Control Board, Parivesh Bhawan, A/118, Nilkanthanagar, Unit VIII, Bhubaneswar 751012.
6. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-32
7. Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-31, Chandrasekharpur, Bhubaneswar - 751 023
8. Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, A-3 W-3 Curzon Road Barracks, Kasturba Gandhi Marg, New Delhi.
9. Collector, Keonjhar District, Government of Orissa
10. EI Division, Ministry of Environment and Forests, New Delhi.
11. Monitoring File 12. Guard file. 13. Record file.

FOR TATA STEEL LTD.
By their Constituted Attorney

(GANESH PRASAD SAHU)
Head (Ferro Alloys Production)
Ferro Alloys & Minerals Division

FORM NO.II
(for projects other than linear projects)
Government of Odisha
Office of the District Collector, Keonjhar
No. 393 /Rev Dt 12 / 02 /2024
XIX-27/2024

TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11-9/98-FC(PI) dt.3rd August, 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers(Recognition of Forest Rights Act), 2006 ('FRA' for short) on the forest land proposed to be diverted for non-forest purposes, it is certified that 80.826 Ha. of forest land involved for mining activities in Tiringpahar Iron & Manganese Mines proposed to be diverted in favour of M/s. Tata Steel Ltd. falls the jurisdiction of village Guruda, Palasa(kha), Khandabandh & Jaribahal under Barbil Tahasil in Keonjhar District.

It is further certified that,

- (a) The complete process of identification and settlement of rights under the FRA has been carried out for the entire 80.826Ha. of forest land proposed for diversion. A copy of records of all consultations and meetings of Gram Sabha, Sub-Division Level Committee(s) and the District level Committee are enclosed as annexure- 1 to annexure- 11
- (b) The proposal for such diversion (with full details of the project and its implications, in vernacular/local language) have been placed before each concerned Gram Sabha of forest dwellers who are eligible under the FRA.
- (c) The concerned Gram Sabha, has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any, having understood the purpose and the details of proposed diversion. Copy of Gram Sabha Resolutions are enclosed as annexure- 8-11.
- (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 village present.
- (e) No such facilities managed by Government requiring diversion of forest land u/s 3(2) of the Forest Rights Act, 2006 exist over the forest land proposed for diversion.
- (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.
- (g) No tribal or OTFD are presently residing and no title of rights has been granted under the ST & OTFD(RFR)Act/2006 at village- Guruda, Palasa(kha), Khandabandh & Jaribahal.

Memo No. 394 /Rev Dt 12-02-2024

Collector, Keonjhar

Copy of Certificate alongwith its enclosures(Annexure-1 to 11) forwarded to the Divisional Forest Officer, Keonjhar Division, Keonjhar for information and necessary action.

Addl. District Magistrate,
Keonjhar

Annexure-XV

To,
Regional Controller of Mines,
Indian Bureau of Mines,
Plot No. 149, Pokhariput,
Bhubaneswar - 751 020.

Ref. No. MGM/P&E/230/23
Date: 26.06.2023

Sub: Submission of Annual Report on extent of protective and rehabilitative works carried out during the year 2022-23 at our Manganese Group of Mines, M/s Tata Steel Limited, Joda.

Ref. : Your Letter No. T/MIN-REF/BBS/2000 Vol. VIII, dated 30.07.2009

Dear Sir,

In pursuance with the provisions under Rule 26 (2) of MCDR, 2017, we are enclosing herewith the extent of protective and rehabilitative works carried out as envisaged in the Approved Progressive Mine Closure Plan for our following mines.

1. Joda West Iron and Manganese Mine, Mine Code - 40ORI08019 (Annexure-1)
2. Bamebari Iron and Manganese Mine, Mine Code - 40ORI08003 (Annexure-2) &
3. Tiringpahar Iron and Manganese Mine, Mine Code - 40ORI08033 (Annexure-3)

This is for your kind perusal.

Thanking you,

Yours faithfully,
F: TATA STEEL LTD.


Chief
Agent and Chief, Manganese Group of Mines
Manganese Group of Mines
Ferro Alloys & Mineral Division

Encl: As above.

TATA STEEL LTD.

Ferro Alloys & Minerals Division, Manganese Group of Mines, At/P.O. Bichhakundi, Via - Joda,
Dist. Keonjhar, Odisha - 758034, Tel. +91 6372901872, e-mail: mmminesadmin@tatasteel.com
Regd. Office - Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India Tel 91 22 8685 5282 Fax 91
22 86857724 Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

INFORMATION ON TARGETS AND ACHIEVEMENT'S PROPOSAL MADE OF PROTECTIVE MEASURES UNDERTAKEN FOR ENVIRONMENT PROTECTION DURING THE PERIOD FOR 2022-23

NAME OF MINE & LESSEE: TIRINGPADIAR IRON & MANGANESE MINE, TATA STEEL LIMITED

Item	Details	Area (Hect.)		Quantity Achievement		Expenditure (Rs.)		Remarks
		Proposed	Achievement	Proposed	Achievement	Proposed	Actual	
(A) REHABILITATION & MONITORING OF MINED OUT LAYER AREA	(i) Backfilling	Nil	Nil	Nil	Nil	Nil	Nil	Nil (Included in Cost of Mining)
	(ii) Afforestation in back filled area	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	(iii) Other (Please specify) etc.	Nil	Nil	Nil	Nil	Nil	Nil	Carried out during 2018-19 & 2019-20 within the proposed surrounded area (FSC.P. Approved area) of Irupattur Block.
	(iv) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
	(v) Constructing new water connection	Nil	Nil	Nil	Nil	Nil	Nil	
	(vi) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
	(vii) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
	(viii) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
	(ix) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
	(x) Fencing	Nil	Nil	Nil	Nil	Nil	Nil	
(B) STABILIZATION & REHABILITATION OF DUMPS (waste/leach)	(i) Construction of proper wall retaining wall at the of dumps	0.001	0.0209	905 m	287 m	Rs. 1210000	Rs. 348154	6) Shoring wall was proposed over Mineral Reject Dump 1st & 2nd. But the dumps were not developed due to want of Forest Clearance. 287m retaining wall was further strengthened over existing wall.
	(ii) Construction of check dam along the slope of valleys etc.	0.0075	0.0075	1 No.	1 No.	Rs. 30000	Rs. 42900	
	(iii) Construction of settling ponds (Gravel drain etc.)	0.0075	0	605 m	0 m	Rs. 90750	Rs. 0	500m retaining wall was proposed over Mineral Reject Dump 1st & 2nd. But the dumps were not developed due to want of Forest Clearance. 380m retaining wall was further strengthened over existing wall.
	(iv) Desilting of settling ponds	Nil	0.02	140	9 No.	Rs. 200000	Rs. 168000	
	(v) Afforestation on dumps	1.160	1.200	2500 Nos.	6593 Nos.	Rs. 116000	Rs. 1280000	The cumulative area of plantation is now being mentioned as plan area instead of slope area.
	(vi) Others (Construction of Settling Ponds With Check dam)	0.009	0.009	1 No.	1 No.	Rs. 40750	Rs. 11250	Setting 1m near check dam.
	(vii) Others (Construction of Settling Ponds With Check dam)	Nil	Nil	Nil	Nil	Nil	Nil	Safety Zone & Vacant area Plantation.
	(viii) Others (Construction of Settling Ponds With Check dam)	Nil	Nil	Nil	Nil	Nil	Nil	
	(ix) Others (Construction of Settling Ponds With Check dam)	Nil	Nil	Nil	Nil	Nil	Nil	
	(x) Others (Construction of Settling Ponds With Check dam)	Nil	Nil	Nil	Nil	Nil	Nil	
(C) ENVIRONMENTAL MONITORING (Buffer Zone)	(i) Ambient air quality	Nil	Nil	Twice a week	Twice a week			
	(ii) Ambient air quality	Nil	Nil	Once a month	Once a month			
	(iii) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(iv) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(v) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(vi) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(vii) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(viii) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(ix) Ambient air quality	Nil	Nil	Quarterly	Quarterly			
	(x) Ambient air quality	Nil	Nil	Quarterly	Quarterly			

Chief Engineer
Manganese Gr. of Mines
NLS Tata Steel Ltd.

Chief Engineer
Manganese Gr. of Mines
NLS Tata Steel Ltd.

PARAMETERS FOR EVALUATION OF LOSS OF FOREST OVER 80.826 HA.
FOREST AREA REQUIRED FOR DIVERSION FOR NON-FORESTRY USE IN
MINING FOR TIRINGPAHAR IRON & MANGANESE MINES OF M/S TATA
STEEL LTD IN KEONJHAR DISTRICT, ODISHA.

Table- B: Estimation of cost of forest diversion

Sl. No	Parameters	Remarks
1	Eco-system services losses due to proposed forest diversion.	Rs 5,90,02,980/- [Rs. 7,30,000/- x 80.826 ha]
2	Loss of animal husbandry productivity, including loss of fodder.	Rs. 59,00,298/- [Rs. 5,90,02,980/- x 10%]
3	Cost of human re-settlement.	Nil
4	Loss of public facilities and administrative infrastructure (roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Nil
5	Possession value of forest land diverted	Rs. 17700894/- [Rs. 5,90,02,980/- x 30%]
6	Cost of suffering to oustees.	Nil
7	Habitat fragmentation cost.	Rs. 2,95,01,490/- [Rs. 5,90,02,980/- x 50%]
8	Compensatory afforestation and soil & moisture conservation cost.	Rs. 18659737.09
	Total estimation of cost of forest diversion	Rs. 13.077 Crore

Table- C: Existing guidelines for estimating benefits of forest diversion in CBA.

Sl. No	Parameters	Remarks
1	Increase in productively attribute to the specific project.	85000 Mt. of Manganese. 10000 Mt. of Iron Ore.
2	Benefits to economy due to the specific project.	Rs. 1,29,13,85,000/-
3	No. of population benefited due to the specific project.	Direct- 1050 Nos. Indirect- 500 Nos.
4	Economic benefits due to direct and indirect employment due to the project.	59,56,48,800/-
5	Economic benefits due to Compensatory afforestation.	Rs 28219760/-
	Total	Rs. 191.525 Crore

CB ratio (calculation is based on available information against the Parameters) = 1:14.64

Ades
25/9/18
Divisional Forest Officer,
Keonjhar Division.

85°16'33"E

85°17'00"E

85°17'30"E

85°18'00"E

85°18'30"E

MAP SHOWING THE NON FOREST GOVT. LAND FOR COMPENSATORY AFFORESTATION IN ASANABAHALI VILLAGE
UNDER KANKADAHAD TAHASIL IN DHENKANAL DISTRICT, OVER 64.260 HA
FOR TIRINGPAHAR IRON & MN MINES(GURUDA BLOCK) OF TATASTEEL LTD AT KEONJHAR, ODISHA

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21°10'30"N

21°10'30"N

21°10'30"N

21°10'30"N

85°11'12"

85°11'12"

85°11'12"

85°11'12"

Sl. No.	Area (Hectare)	Area (Acre)	Sanctioned Area (Hectare)	Sanctioned Area (Acre)	Area required (Hectare)	Area required (Acre)
1	1.2	2.8	1.2	2.8	1.2	2.8
2	1.2	2.8	1.2	2.8	1.2	2.8
3	1.2	2.8	1.2	2.8	1.2	2.8
4	1.2	2.8	1.2	2.8	1.2	2.8
5	1.2	2.8	1.2	2.8	1.2	2.8
6	1.2	2.8	1.2	2.8	1.2	2.8
7	1.2	2.8	1.2	2.8	1.2	2.8
8	1.2	2.8	1.2	2.8	1.2	2.8
9	1.2	2.8	1.2	2.8	1.2	2.8
10	1.2	2.8	1.2	2.8	1.2	2.8
11	1.2	2.8	1.2	2.8	1.2	2.8
12	1.2	2.8	1.2	2.8	1.2	2.8
13	1.2	2.8	1.2	2.8	1.2	2.8
14	1.2	2.8	1.2	2.8	1.2	2.8
15	1.2	2.8	1.2	2.8	1.2	2.8
16	1.2	2.8	1.2	2.8	1.2	2.8
17	1.2	2.8	1.2	2.8	1.2	2.8
18	1.2	2.8	1.2	2.8	1.2	2.8
19	1.2	2.8	1.2	2.8	1.2	2.8
20	1.2	2.8	1.2	2.8	1.2	2.8
21	1.2	2.8	1.2	2.8	1.2	2.8
22	1.2	2.8	1.2	2.8	1.2	2.8
23	1.2	2.8	1.2	2.8	1.2	2.8
24	1.2	2.8	1.2	2.8	1.2	2.8
25	1.2	2.8	1.2	2.8	1.2	2.8
26	1.2	2.8	1.2	2.8	1.2	2.8
27	1.2	2.8	1.2	2.8	1.2	2.8
28	1.2	2.8	1.2	2.8	1.2	2.8
29	1.2	2.8	1.2	2.8	1.2	2.8
30	1.2	2.8	1.2	2.8	1.2	2.8
31	1.2	2.8	1.2	2.8	1.2	2.8
32	1.2	2.8	1.2	2.8	1.2	2.8
33	1.2	2.8	1.2	2.8	1.2	2.8
34	1.2	2.8	1.2	2.8	1.2	2.8
35	1.2	2.8	1.2	2.8	1.2	2.8
36	1.2	2.8	1.2	2.8	1.2	2.8
37	1.2	2.8	1.2	2.8	1.2	2.8
38	1.2	2.8	1.2	2.8	1.2	2.8
39	1.2	2.8	1.2	2.8	1.2	2.8
40	1.2	2.8	1.2	2.8	1.2	2.8
41	1.2	2.8	1.2	2.8	1.2	2.8
42	1.2	2.8	1.2	2.8	1.2	2.8
43	1.2	2.8	1.2	2.8	1.2	2.8
44	1.2	2.8	1.2	2.8	1.2	2.8
45	1.2	2.8	1.2	2.8	1.2	2.8
46	1.2	2.8	1.2	2.8	1.2	2.8
47	1.2	2.8	1.2	2.8	1.2	2.8
48	1.2	2.8	1.2	2.8	1.2	2.8
49	1.2	2.8	1.2	2.8	1.2	2.8
50	1.2	2.8	1.2	2.8	1.2	2.8
51	1.2	2.8	1.2	2.8	1.2	2.8
52	1.2	2.8	1.2	2.8	1.2	2.8
53	1.2	2.8	1.2	2.8	1.2	2.8
54	1.2	2.8	1.2	2.8	1.2	2.8
55	1.2	2.8	1.2	2.8	1.2	2.8
56	1.2	2.8	1.2	2.8	1.2	2.8
57	1.2	2.8	1.2	2.8	1.2	2.8
58	1.2	2.8	1.2	2.8	1.2	2.8
59	1.2	2.8	1.2	2.8	1.2	2.8
60	1.2	2.8	1.2	2.8	1.2	2.8
61	1.2	2.8	1.2	2.8	1.2	2.8
62	1.2	2.8	1.2	2.8	1.2	2.8
63	1.2	2.8	1.2	2.8	1.2	2.8
64	1.2	2.8	1.2	2.8	1.2	2.8
65	1.2	2.8	1.2	2.8	1.2	2.8
66	1.2	2.8	1.2	2.8	1.2	2.8
67	1.2	2.8	1.2	2.8	1.2	2.8
68	1.2	2.8	1.2	2.8	1.2	2.8
69	1.2	2.8	1.2	2.8	1.2	2.8
70	1.2	2.8	1.2	2.8	1.2	2.8
71	1.2	2.8	1.2	2.8	1.2	2.8
72	1.2	2.8	1.2	2.8	1.2	2.8
73	1.2	2.8	1.2	2.8	1.2	2.8
74	1.2	2.8	1.2	2.8	1.2	2.8
75	1.2	2.8	1.2	2.8	1.2	2.8
76	1.2	2.8	1.2	2.8	1.2	2.8
77	1.2	2.8	1.2	2.8	1.2	2.8
78	1.2	2.8	1.2	2.8	1.2	2.8
79	1.2	2.8	1.2	2.8	1.2	2.8
80	1.2	2.8	1.2	2.8	1.2	2.8
81	1.2	2.8	1.2	2.8	1.2	2.8
82	1.2	2.8	1.2	2.8	1.2	2.8
83	1.2	2.8	1.2	2.8	1.2	2.8
84	1.2	2.8	1.2	2.8	1.2	2.8
85	1.2	2.8	1.2	2.8	1.2	2.8
86	1.2	2.8	1.2	2.8	1.2	2.8
87	1.2	2.8	1.2	2.8	1.2	2.8
88	1.2	2.8	1.2	2.8	1.2	2.8
89	1.2	2.8	1.2	2.8	1.2	2.8
90	1.2	2.8	1.2	2.8	1.2	2.8
91	1.2	2.8	1.2	2.8	1.2	2.8
92	1.2	2.8	1.2	2.8	1.2	2.8
93	1.2	2.8	1.2	2.8	1.2	2.8
94	1.2	2.8	1.2	2.8	1.2	2.8
95	1.2	2.8	1.2	2.8	1.2	2.8
96	1.2	2.8	1.2	2.8	1.2	2.8
97	1.2	2.8	1.2	2.8	1.2	2.8
98	1.2	2.8	1.2	2.8	1.2	2.8
99	1.2	2.8	1.2	2.8	1.2	2.8
100	1.2	2.8	1.2	2.8	1.2	2.8

Legend

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Proposed Compensatory Afforestation Area

Signature of User Agency

Signature of Tahasildar Kankadaha

Signature of Tahasildar Kankadaha

Signature of Tahasildar Kankadaha

Signature of Tahasildar Kankadaha

Signature of Tahasildar Kankadaha

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☐ Cas unique de préjudice
☐ Cas unique



A collage of five small, stylized logos or signatures, each with a unique design and text. The logos are arranged in two rows. The top row features three logos: a green one with 'Sustainable' and 'LIFE', a blue one with 'and more' and 'to live', and a red one with 'Love' and 'More than just a word'. The bottom row features two logos: a green one with 'Sustainable' and 'LIFE', and a red one with 'Love' and 'More than just a word'.

THE LANCET FAMILY & 21/04/2014
PAGE 1/1

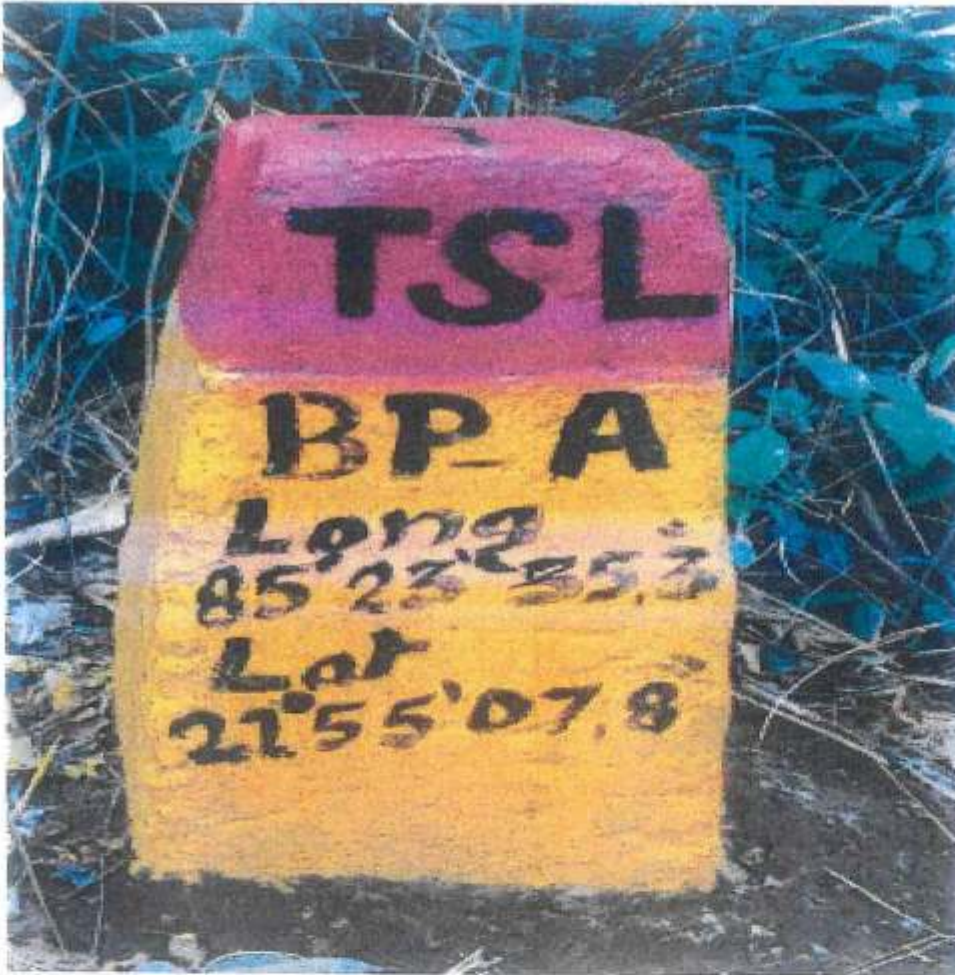


ANNEXURE - XIV Serial

"Geo-tagged color pictures of Lease Boundary
Pillars with co-ordinates"

Tiringpahar Iron & Mn. Mine
Of
M/s Tata Steel Ltd.

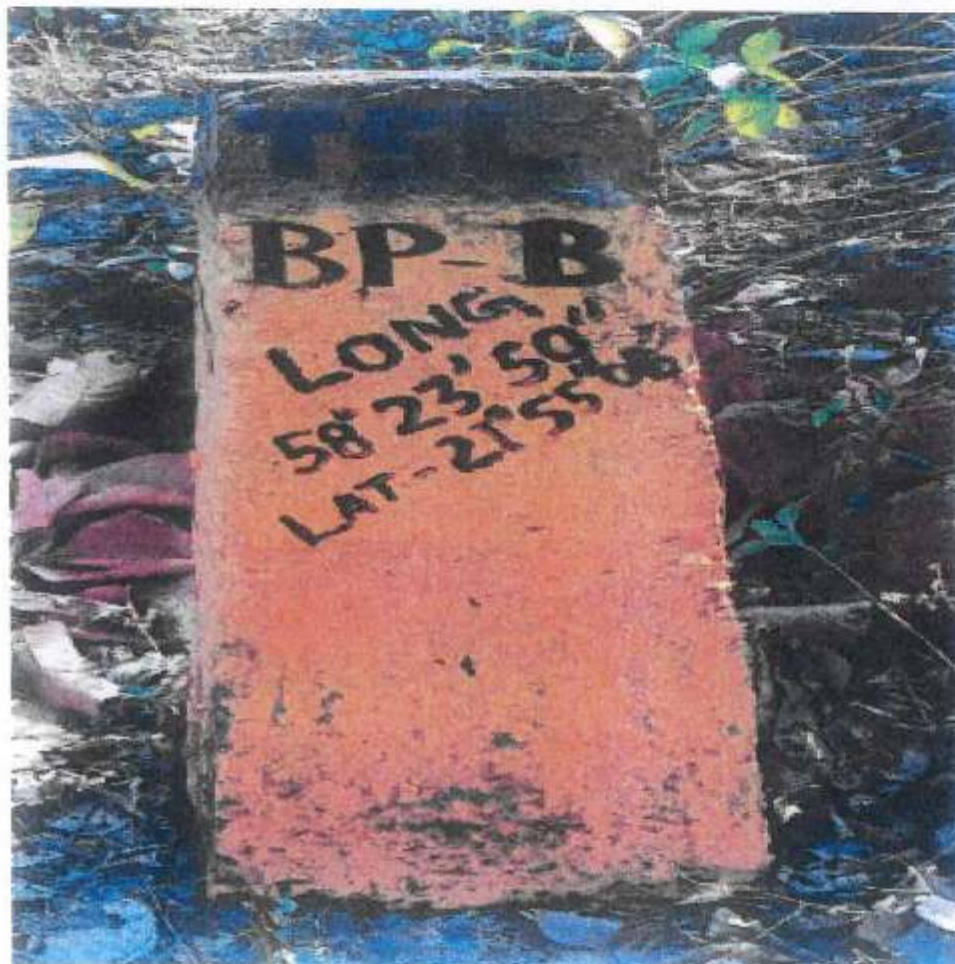
[Pictures taken using NoteCam android application]



Lease Boundary Pillar No. A

Longitude: 85° 23' 35.365"

Latitude: 21° 55' 07.815"



Lease Boundary Pillar No. B

Longitude: 85° 23' 50.308"

Latitude: 21° 55' 08.572"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Deputy General Manager
Mines Division



Lease Boundary Pillar No. C

Longitude: 85° 23' 51.246
Latitude: 21° 55' 17.143"



Lease Boundary Pillar No. D

Longitude: 85° 23' 55.640"
Latitude: 21° 55' 33.117

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
District Forest Officer
Koraput Division



Lease Boundary Pillar No. E

Longitude: 85° 24' 07.389"

Latitude: 21° 55' 39.698"



Lease Boundary Pillar No. F

Longitude: 85° 24' 07.146"

Latitude: 21° 55' 42.885"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachi Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COPY SENT TO
[Signature]
Divisional Forest Officer
Keonjhar Division



Lease Boundary Pillar No. G

Longitude: 85° 24' 07.543"

Latitude: 21° 55' 45.610"



Lease Boundary Pillar No. H

For: TATA STEEL LTD.

By: ~~By the Constituted Attorney~~

Sabyasachi Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Engineer, On-site
Geological Division



Lease Boundary Pillar No. -I

Longitude: 85° 24' 10.721"

Latitude: 21° 56' 10.658"



Lease Boundary Pillar No. J

Longitude: 85° 23' 57.803"

Latitude: 21° 56' 10.693"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COU
[Signature]
Divisional Forest Officer
Kopindar Division



Lease Boundary Pillar No. K

Longitude: 85° 23' 55.259"
Latitude: 21° 56' 07.731"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



Lease Boundary Pillar No. L

Longitude: 85° 23' 51.786"
Latitude: 21° 56' 04.777"

[Signature]
Geographical Information
Monitoring Division



Lease Boundary Pillar No. M

Longitude: 85° 23' 50.232"

Latitude: 21° 56' 04.848"



Lease Boundary Pillar No. N

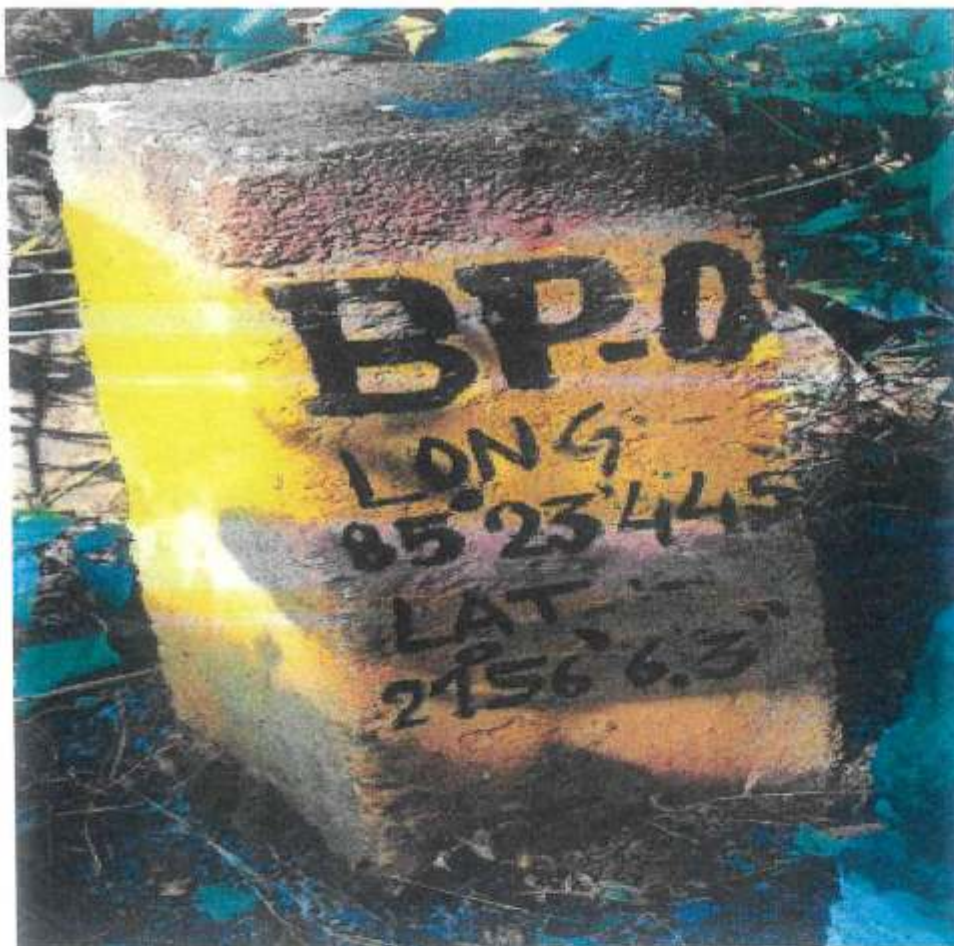
Longitude: 85° 23' 47.658"

Latitude: 21° 56' 06.206"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachi Mishra
(SABYASACHI MISHRA)
Head Mine Planning
TATA STEEL LTD.

[Signature]
Joint Forest Officer
Kendrapada Division



Lease Boundary Pillar No. O

Longitude: 85° 23' 44.502"

Latitude: 21° 56' 06.383"



Lease Boundary Pillar No. P

Longitude: 85° 23' 43.212"

Latitude: 21° 55' 40.370"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachi Mishra
(SABYASACHI MISHRA)
Head Mine Planning
TATA STEEL LTD.

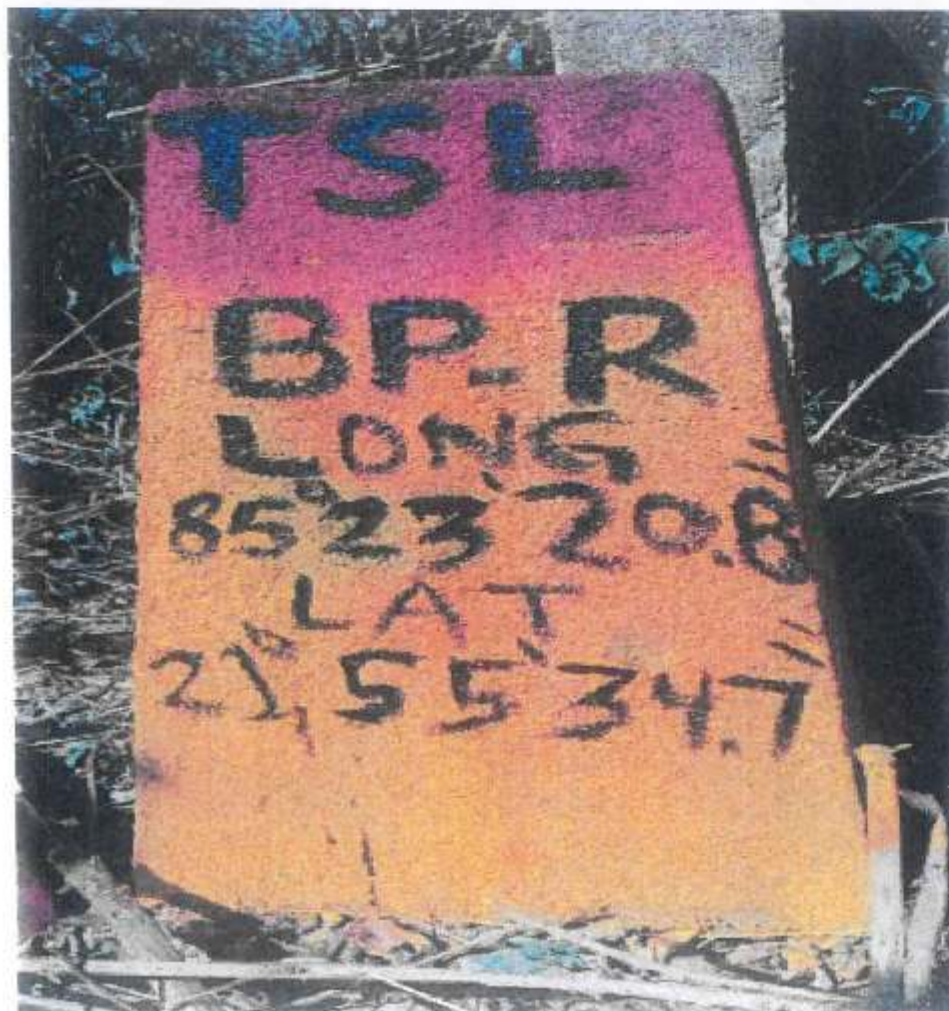
COTW-2011-2012
[Signature]
Divisional Forest Officer
Keonjhar Division



Lease Boundary Pillar No. Q

Longitude: 85° 23' 30.977"

Latitude: 21° 55' 35.084"



Lease Boundary Pillar No. R

Longitude: 85° 23' 20.882"

Latitude: 21° 55' 34.785"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Forest Officer
Jeonagar Division



Lease Boundary Pillar No. S

Longitude: 85° 23' 21.197"

Latitude: 21° 55' 14.964"



Lease Boundary Pillar No. T

Longitude: 85° 23' 23.055"

Latitude: 21° 55' 14.851"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachi Mishra
(SABYASACHY MISHRA)
Lead Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Forest Officer
Keonjhar Division



Lease Boundary Pillar No. U

Longitude: 85° 23' 23.501"

Latitude: 21° 55' 08.605"



Lease Boundary Pillar No. V

Longitude: 85° 23' 22.829"

Latitude: 21° 54' 57.044"

For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COMPASSION
[Signature]
Divisional Forest Officer
Koraput Division



Lease Boundary Pillar No. W

Longitude: 85° 23' 28.571"

Latitude: 21° 54' 54.406"



Lease Boundary Pillar No. X

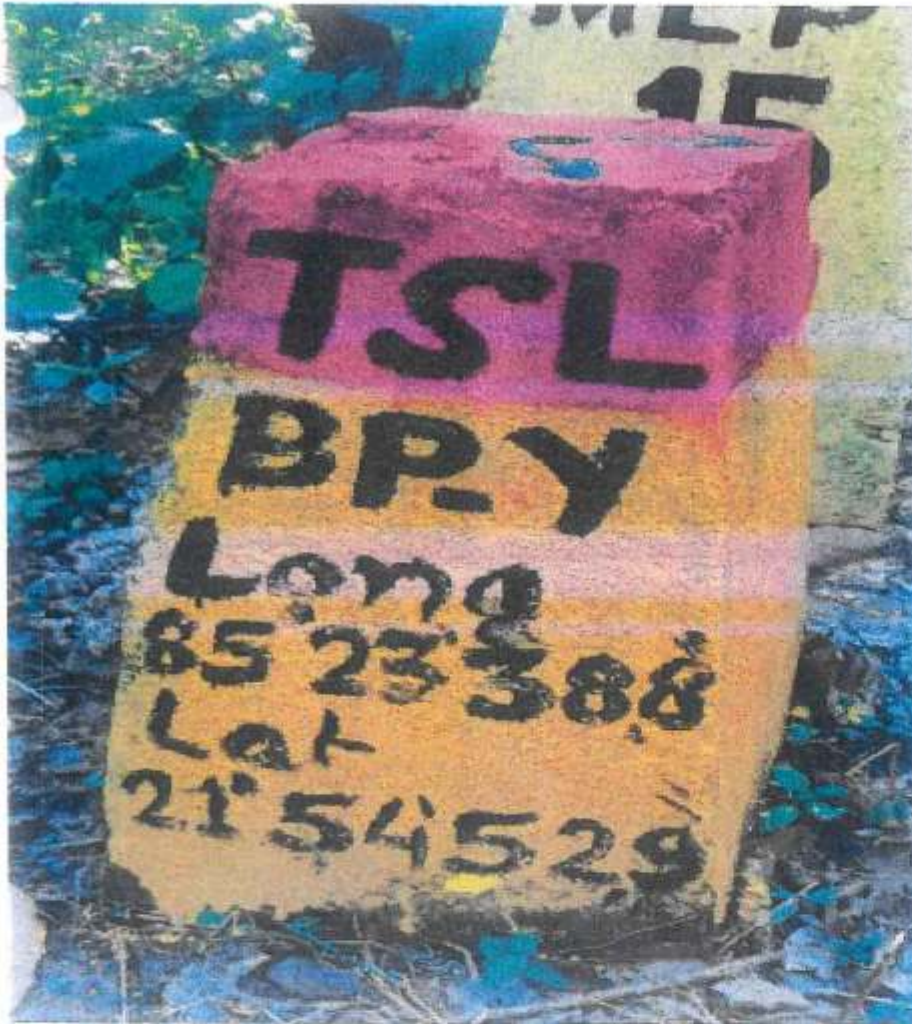
Longitude: 85° 23' 35.831"

Latitude: 21° 54' 53.057"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

[Signature]
Divisional Forest Officer
Rachigar Division



Lease Boundary Pillar No. Y

Longitude: 85° 23' 38.830"

Latitude: 21° 54' 52.937"

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Forest Officer
Keonjhar Division



**“Geo-tagged color pictures of Safety Zone
Pillars with Co-ordinates”**

**Tiringpahar Iron & Manganese Mine
of
Tata Steel Limited.**



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Engineer
Mines Division



COUNTERSIGNED
[Signature]
Divisional Engineer
Neerajwar Division

For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COUNTERSIGNED

Divisional Forest Officer
Geological Division

For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COUP
[Signature]
Divisional Forest Officer
Keonjhar Division

For TATA STEEL LTD.
By their Constituted Attorney
[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COUNTERSIGNED
[Signature]
Divisional Forest Officer
Ranching Division

For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COURT ORDER
[Signature]
District Collector
Kannur Division

For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COURT

Divisional Forest Officer
Koraput Division

For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Engineer
Koraput Region



COUNSELLOR
[Signature]
Divisional Forest Officer
Kopnhar Division

For TATA STEEL LTD.
By their Constituted Attorney
[Signature]
(SABYASACHY NISHRA)
Head Mine Planning
TATA STEEL LTD.



UTM: 45Q
333713mE 2424375mN
Elevation: 668.15±4 m
Accuracy: 4.6 m
Time: 05-06-2024 16:05
Note: gUruda_BPV INTSZ pillar

Approved by: *[Signature]*



UTM: 45Q
333631mE 2424953mN
Altitude: 633.98±21 m
Accuracy: 11.5 m
Time: 05-06-2024 15:49
Note: gUruda_BPS SZ pillar

Approved by: *[Signature]*


For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUPON
[Signature]
District Forest Officer
Konjhar Division



For TATA STEEL LTD.
By their Constituted Attorney

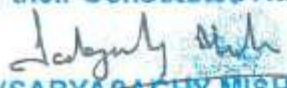

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUP

Divisional Forest Officer
Keonjhar Division



For TATA STEEL LTD.
By their Constituted Attorney


(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COO

Divisional Manager
Keonjhar Division



COUNCIL OF MINES
Divisional Forest Officer
Kebang Division

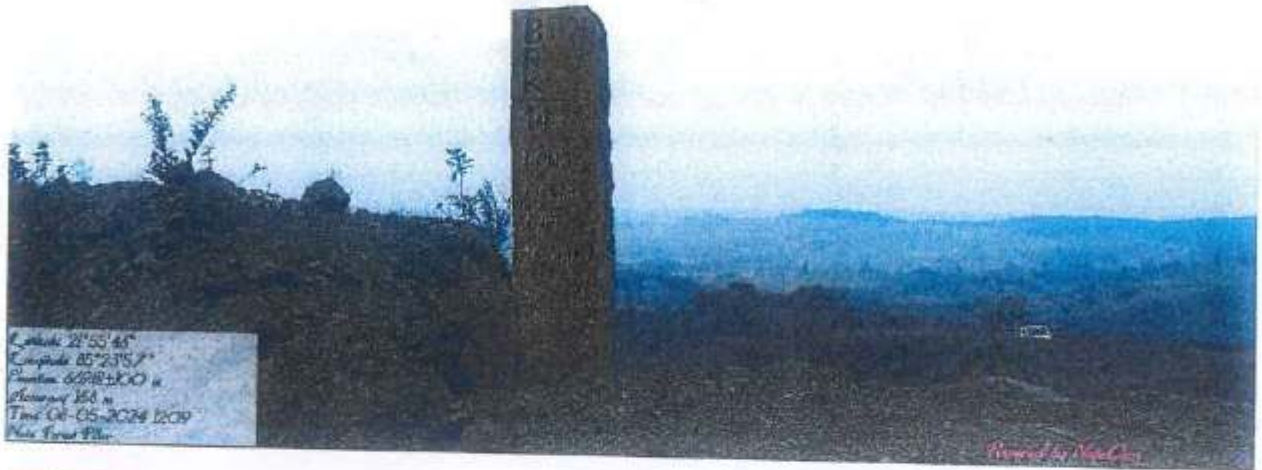
For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



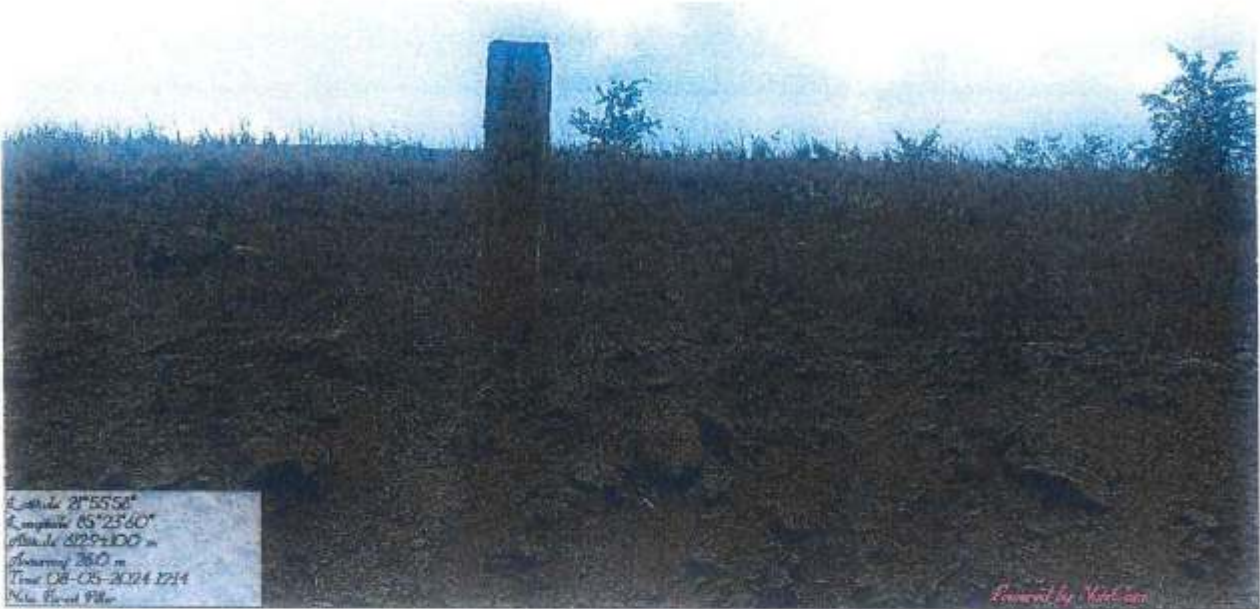
**“Geo-tagged color pictures of Diverted
Forest Pillars with Co-ordinates”**


**Tiringpahar Iron & Manganese Mine
of
Tata Steel Limited.**



COUNCIL
[Signature]
Divisional Forest Officer
Machilipatnam Division

For TATA STEEL LTD.
By their Constituted Attorney
[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNATURE

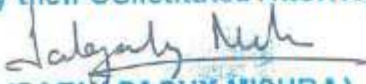
Divisional Forest Officer
Raipur Division



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNATURE
[Signature]
Divisional Forest Officer
Koraput Division



For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COURT ORDER

Divisional Forest Officer
Keonjhar Division



**“Geo-tagged color pictures of Proposed
Forest Pillars with Co-ordinates”**

**Tiringpahar Iron & Manganese Mine
of
Tata Steel Limited.**



Divisional Forest Officer
Kamdar Division

For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNATURE
[Signature]
Divisional Forest Officer
Forest Division



COUNCILOR
[Signature]
Joint Director of Survey
Survey Division

For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COLLECTED
[Signature]
Divisional Forest Officer
Koraput Division



For TATA STEEL LTD.
By their Constituted Attorney

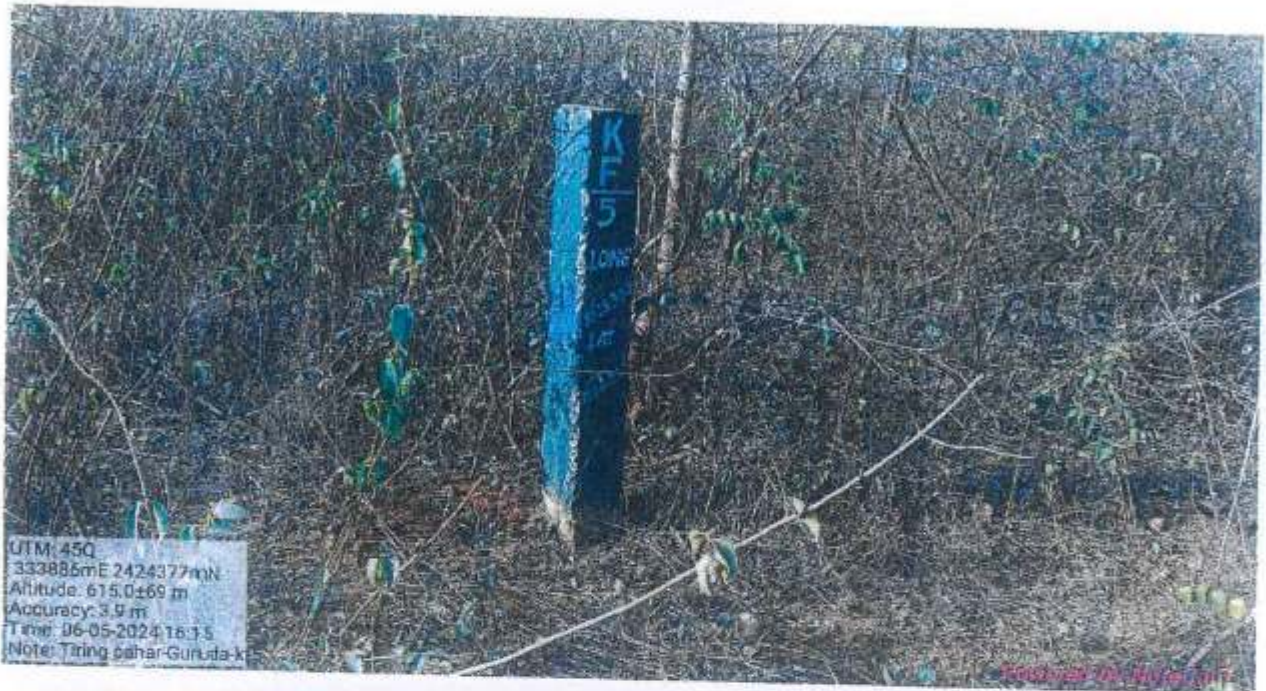
Sabyasachi Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNCIL
[Signature]
Divisional Forest Officer
Kendrapada Division



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachi Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERS
[Signature]
Divisional Engineer
Kendrapada Division



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COURT
[Signature]
Divisional Forest Officer
Keshikar Division



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

[Signature]
Chief Engineer
Leonjhar Division



COUNTY
Divisional Forest Officer
Keonjhar Division

For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COUNTERSIGNED

Divisional Forest Officer
Keshwar Division

For TATA STEEL LTD.
By their Constituted Attorney

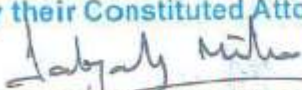
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COURT
[Signature]
Divisional Forest Officer
Keonjhar Division



For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head, Mining Planning
TATA STEEL LTD.

COU

Divisional Forest Officer
Keshavnagar Division



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNATURE
[Signature]
Divisional Forest Officer
Keonjhar Division



For TATA STEEL LTD.
By their Constituted Attorney

Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED
[Signature]
Divisional Forest Officer
Keonjhar Division



For TATA STEEL LTD.
By their Constituted Attorney
Sabyasachy Mishra
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

CONFIDENTIAL
[Signature]
Divisional Forest Officer
Keonjhar Division



COUNTERSIGNATURE
[Signature]
Divisional Forest Officer
Kendrapada Division

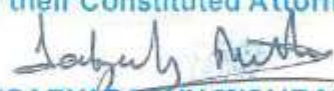
For TATA STEEL LTD.
By their Constituted Attorney

[Signature]
(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.



COUNTERSIGNED

Divisional Forest Officer
Keonjhar Division


For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

BEARING AND DISTANCE OF LEASE PILLARS WITH IT'S COORDINATE OVER AN AREA 189.00 Ha.

Reference Point: The Reference point "A" is the Hill Point in village Guruda over Hill Point No. 555

Starting Point: The Starting Point is situated in the direction of 326° 0 minutes Magnetic Bearing at Distance of 190.50m from the above Hill point.

Station	Line	Magnetic Bearing	Interior Angle	Distance		Co-ordinate	
		Degree-Minute	Degree-Minute	Feet	Meter	Longitude	Latitude
A	A-B	91-00	-	1410.000	429.768	E85°23'35.35928"	N21°55'7.811266"
B	B-C		95-00	825.000	251.460	E85°23'50.304048"	N21°55'8.570424"
C	C-D		194-00	1720.000	524.256	E85°23'51.237096"	N21°55'17.138984"
D	D-E		223-00	1290.000	393.192	E85°23'55.643676"	N21°55'33.118088"
E	E-F		117-00	325.000	99.060	E85°24'7.379496"	N21°55'39.700128"
F	F-G		192-00	275.000	83.820	E85°24'7.135488"	N21°55'42.911616"
G	G-H		261-00	300.000	91.440	E85°24'7.536824"	N21°55'45.62004"
H	H-I		91-00	2521.994	768.708	E85°24'10.763496"	N21°55'45.59232"
I	I-J		90-00	353.998	107.899	E85°24'10.717776"	N21°56'10.65714"
I-2	I2-J		180-00	862.996	263.042	E85°24'6.969348"	N21°56'10.656384"
J	J-K		128-51	378.000	115.214	E85°23'57.810338"	N21°56'10.666716"
K	K-L		188-45	441.000	134.417	E85°23'55.271364"	N21°56'7.730988"
L	L-M		224-31"-30"	151.000	46.025	E85°23'51.822636"	N21°56'4.786196"
M	M-N		207-30	275.000	83.820	E85°23'50.22636"	N21°56'4.84388"
N	N-O		153-34	230.000	70.104	E85°23'47.65902"	N21°56'6.20268"
O	O-P		91-00	2625.000	800.100	E85°23'44.502612"	N21°56'6.387108"
P	P-Q		241-00	1270.000	387.096	E85°23'43.209168"	N21°55'40.370304"
Q	Q-R		203-00	950.000	289.560	E85°23'30.975036"	N21°55'35.173092"
R	R-S		91-00	2000.000	609.600	E85°23'20.890528"	N21°55'34.788144"
S	S-T		95-00	175.000	53.340	E85°23'21.194628"	N21°55'14.977092"
T	T-U		262-00	630.000	192.024	E85°23'23.041788"	N21°55'14.843928"
U	U-V		187-00	1190.000	362.712	E85°23'23.495208"	N21°55'8.609988"
V	V-W		110-00	593.000	180.746	E85°23'22.825176"	N21°54'57.04722"
W	W-X		166-26'-30"	695.000	211.836	E85°23'28.55274"	N21°54'54.416016"
X	X-Y		170-57	277.000	84.430	E85°23'35.845836"	N21°54'53.054316"
Y	Y-A		76-55	1640.000	499.872	E85°23'38.790708"	N21°54'52.939808"
A	-		279-30	-	-		

For TATA STEEL LTD.
By their Constituted Attorney

(SABYASACHY MISHRA)
Head Mine Planning
TATA STEEL LTD.

COUNTERSIGNED

Divisional Geology Officer
Kachhwa Division