



**PROPOSAL
FOR
DIVERSION OF
80.826 HECTARES FOREST LAND
AT
TIRINGPAHAR IRON & MANGANESE MINE
(GURUDA BLOCK)
(Including 64.260 Ha of Non- Forest land
recorded as forest as on 25.10.1980)**

TATA STEEL LIMITED

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ANNEXURE - A

**DIVERSION PROPOSAL FOR TIRINGPAHAR LEASE OF
TATA STEEL LIMITED
FORM - 'A'**

**Form for seeking prior approval under Section 2 of the proposals
by the State Governments and other authorities**

**PART-I
(to be filled up by user agency)**

Brief Description of the Project	Reference: Plate No.- I, Survey of India Topo Sheet No. : 73 G/5. (New Topo Sheet No. F45N5) Longitude : Between 85°-23'-00" E and 85°-25'-00" E Latitude : Between 21°-54'-00" N and 21°-57'-00" N Villages: Khandbondh, Palasa (Kha), Jadibahal and Guruda.
1. Location of the Area	<div>Sub Division : Champua</div> <div>District : Keonjhar</div> <div>Forest Division : Keonjhar</div> <div>Forest Range : Champua</div> <div>Forest Section : Joda</div> <div>Distance from Joda : 10 Kms.</div>
2. Mineral to be Mined	Manganese ore and Iron ore.
3. Extent of the Area	<div>Reserve Forest : 0.000 ha.</div> <div>Khesara Forest : 10.392 ha.</div> <div>Non Forest Govt. Land treated as Forest : 58.522 ha.</div> <div>Land as per DLC report.</div> <div>Non- forest land recorded as Forest in Government Record as on 25.10.1980. : 64.260 ha</div> <div>Total Forest : 133.174 ha.</div> <div>Non-Forest Land : 35.826 ha.</div> <div>Grand Total : 169.000 ha.</div>
4. Approximate Reserve of Ore/Mineral	Proved Reserve Within Forest Land as on 01.04.2016 : Mn Ore : 0.350 million tonnes
5. Extent of Surface Right Area Acquired	100.172 Ha.
6. Approximate Production of the Mineral Envisaged	Manganese Ore : 85000 Tonne/ annum (max) Iron Ore: 10,000 Tonne/ annum of incidental Iron ore production may be done during the mining of Manganese Ore as per the approved Mining Plan/ Scheme of Mining. However, Iron production may increase in future to cater the requirement of



	downstream steel production at company's existing plant at Jamshedpur and Kalinganagar after taking necessary permissions and approvals under the statute.
7. Approximate Value of the Ore/Mineral to be produced(Per Annum)	<p>Manganese Ore : 126.132 Crores</p> <p>Iron Ore : 3.007 Crores</p> <p>-----</p> <p>Total (Rs.) : 129.139 Crores</p> <p>Note: the value of Ore/ Mineral has been calculated based on the prevailing IBM prices being published from time to time.</p>
8. Utilization of Minerals Produced (Whether to be Utilized in Industry or to be exported)	<p>Manganese ore will continue to be utilized at Company's Ferro Alloys Plants and Co's Steel Plants. Iron ore that shall be produced incidental to the manganese ore production will be utilized at Co's Steel Plants & other Plants in group.</p> <p>The Company with its on-going expansion of its Steel making capacities envisages enhancing the Ferro manganese production capacity at its exiting Ferro Alloys Plant at Joda from 0.0504 MTPA to 0.060 MTPA, installing new silico manganese plant of 0.060 MTPA and one sinter plant of 0.050 MTPA within the existing plant at Joda. The Public hearing for the purpose was successfully completed on 12.11.2014 and presentation was made before EAC on 26.03.2015 and on 02.07.2015. Subsequently, MoEF & C.C was pleased to grant the Environmental Clearance for the aforesaid purpose vide Letter F.No.J-11011/03/2012-IA II (I) dated 5th November 2015.</p> <p>Further, company has proposal to acquire Silico Manganese (SiMn) capacities of 50000 TPA for greater value addition to the low grade and medium grade ore produced during the mining operation which otherwise has no other use.</p>
9. Why the Project is Required	<p>The Company is planning and implementing a growth plan, which is expected to increase the steel making capacities, both at existing Jamshedpur Steel Plant and Greenfield Kalinganagar Project with corresponding increase of its Ferro/ Silico Manganese Alloys production. The Steel Company has invested substantial amount to develop the mine and other infrastructural facilities. The Project is essential to cater to the need of enhanced requirement of Manganese Ore in Co's Ferro Alloys Plants, Steel Plants. Iron ore that shall be produced incidental to the manganese ore production will also be utilized at Co's Steel Plants & other Plants in group.</p>
10. Utilization of Minerals Produced (Whether to be Utilized in Industry or to be exported)	<p>Manganese ore will continue to be utilized at Company's Ferro Alloys Plants and Co's Steel Plants. Iron ore that shall be produced incidental to the manganese ore production will be utilized at Co's Steel Plants & other Plants in group.</p> <p>The Company with its on-going expansion of its Steel making capacities envisages enhancing the ferro manganese production capacity at its exiting Ferro Alloys Plant at Joda from 0.0504 MTPA to 0.060 MTPA, installing new silico manganese plant of 0.060 MTPA and one sinter plant of 0.050 MTPA within the existing plant at Joda. The Public hearing for the purpose has already been successfully completed on 12.11.2014 and presentation was made before EAC on 26.03.2015 and on 02.07.2015. Subsequently, MoEF</p>

	<p>& C.C was pleased to grant the Environmental Clearance for the aforesaid purpose vide Letter F.No.J-11011/03/2012-IA II (I) dated 5th November 2015.</p> <p>Further, company has proposal to acquire Silico Manganese (SiMn) capacities of 50000 TPA for greater value addition to the low grade and medium grade ore produced during the mining operation which otherwise has no other use.</p>
11. Why the Project is required	<p>The Company is planning and implementing a growth plan, which is expected to increase the steel making capacities with corresponding increase of its Ferro/ Silico Manganese Alloys production. The Steel Company has invested substantial amount to develop the mine and other infrastructural facilities. The Project is essential to cater to the need of enhanced requirement of Manganese Ore in Co's Ferro Alloys Plants, Steel Plants. Iron ore that shall be produced incidental to the manganese ore production will also be utilized at Co's Steel Plants & other Plants in group.</p> <p>With the expansion of FAP, Joda and acquisition of Silico Manganese plant the requirement of Manganese ore of all grades would increase up to 5 LTPA. Part of the requirement would be fulfilled from the Tiringpahar Iron & Manganese mines.</p>
12. What will be the Mandays generated per Annum	45,300 Man-days per annum will be generated out of this project.
13. Site for Dumping of Overburden	<p>The manganese ore deposit within the lease area is entirely pockety type for which huge overburden excavation is require. The pit development will carried out with stripping ratio of 1:13.7 (T: CuM) by which ~100 lakh cum of overburden will be generated. Overburden will be dumped over the non-mineralized area. Concurrent back filling will also be undertaken once the pit is exhausted. Considering these aspects, additional 25.602 ha of forest land is required for disposal of over burden.</p> <p>The details are given in Land use Plan (Plate No. IV) and Justification [Annexure -I(A)]</p>



1	Project details	<p>The mining lease was originally granted in favour of M/s Tata Steel Ltd., over an area of 643.710 ha for the period from 01.03.1930 to 29.02.1960 comprising of three blocks namely Guruda Block, Joruri Block and Tiringpahar Block for exploitation of iron and manganese ore, by the Maharaja of Keonjhar for 30 years. The 1st renewal was granted by the Govt. in Department of Mining & Geology over the same area for the period of 20 years from 01.03.1960 to 29.02.1980 in three blocks as mentioned above. The 2nd renewal was granted by the Government for the period from 01.03.1980 to 29.02.2000 in three blocks as mentioned above.</p> <p style="text-align: right;">Annexure-I</p> <p>Tata Steel Limited had applied 3rd renewal vide RML No.699 dated 05.01.1999 for Tiringpahar Iron & Manganese lease (Guruda Block) covering an area of 169.000 hectares confining to villages Guruda, Khandbondh, Palasa (Kha) and Jadibahal as per rule 24(A)(1) of Mineral Concession Rules-1960. The 3rd renewal was under active consideration of the Government.</p> <p>As per Orders of the Hon'ble Supreme Court dated 02.05.2014 in I.A. No. 3763 of 2014 and 16.05.2014 in Common Cause (supra), the Company was asked by Deputy Director of Mines, Joda to stop mining operations in the Tiringpahar Iron & Manganese mine and accordingly Company stopped mining operations & communicated the same to the Deputy Director of Mines vide letter No GM/OMQ/42/16-A, dated 17.05.2014. The Company thereafter kept following up with the State Government to issue its Express Orders under Section 8(3) of the MMDR Act, 1957.</p> <p>Subsequently, the State Government vide letter No III(MN) SM-45/2006/3278/SM dated 18.04.2015 extended the validity period of Tiringpahar lease up to 31.03.2030 under section of 8A of the MMDR Amendment Act, 2015.</p> <p style="text-align: right;">Annexure-XVIII</p> <p>Accordingly, Supplementary Lease Deed was executed on 08.05.2015 and Registered on 08.05.2015 in respect of Tiringpahar Iron & Manganese lease.</p> <p style="text-align: right;">Annexure-XIX</p> <p>Tata Steel ltd applied for Surrendering the relinquished area over 474.710 ha. of the Mining Leases vide letter No. MPP/L&L/845/15 dated 30.11.2015, the Survey & demarcation of the Surrender area has been completed by ORSAC and the said application is under process.</p> <p>The copy of the forwarding letter of the application is enclosed herewith as</p> <p style="text-align: right;">Annexure No. XXIV</p> <p>The Company submits that it has all other statutory clearances in respect of its Tiringpahar Iron & Manganese Mine which are set out hereunder:</p> <ol style="list-style-type: none"> a) Environment Clearance granted vide Ref. No. J-11015/87/2004-IA.II(M), Dt.17.11.2005 for 0.85 LTPA for production of of Manganese Ore <p style="text-align: right;">Annexure-VIII</p> <ol style="list-style-type: none"> b) Consent to Operate was granted by OSPCB vide Ref No. 1482/IND-I-CON-190, Dt.19.01.2016 and is valid up to 31.03.2021 <p style="text-align: right;">Annexure-VI</p>
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		<p>c) Mining Plan was approved by IBM vide Ref. No. MS/OTFM/34-ORI/BHU/2014-15, Dt. 29.04.2015</p> <p style="text-align: right;">Annexure-VII</p> <p>d) Stage-II Forest Clearance granted by MoEF & CC vide Ref. No. 8-80/2004-FC dt 28.03.2007 over an area of 52.348 ha of forest land.</p> <p style="text-align: right;">Annexure-XII</p> <p>The location of Tiringpahar Iron & Manganese lease falls in Survey of India Topo Sheet No. : 73 G/5 (New Topo Sheet No. F45N5) within latitude between 21° 54' - 00" N to 21 ° 57'-00" N and longitude between 85° 23'- 00" E to 85 ° 25' -00" E.</p> <p>Tata steel is planning and implementing a growth plan, which is expected to increase the steel making capacities with corresponding increase of its Ferro Manganese Alloys production & Silico Manganese Alloy. The Steel Company has invested large amount to develop the mine and other infrastructural facilities.</p> <p>The Project is situated under Joda Forest Section, Champua Forest Range of Keonjhar Forest Division, in the State of Orissa. The lease area is coming under Khesara Forest, DLC Land, non-forest land recorded as forest as on 25.10.1980 in Government records, as well as Non-Forest Land and tenanted land.</p>														
i)	Short narrative of the proposal and project/ scheme for which the forest land is required.	<p>Tiringpahar Iron & Manganese Mine consists of 169 ha. Lease area.</p> <p>The details of lease area are as under:</p> <table><tr><td>Reserve Forest</td><td>0.000 ha</td></tr><tr><td>Khesra Forest</td><td>10.392 ha</td></tr><tr><td>DLC Forest</td><td>58.522 ha</td></tr><tr><td>NF land recorded as Forest as on 25.10.1980</td><td>64.260 ha</td></tr><tr><td>Total Forest Land</td><td>133.174 ha</td></tr><tr><td>Non- Forest Land</td><td>35.826 ha</td></tr><tr><td>Total Mining Lease Area</td><td>169.000 ha</td></tr></table> <p>The lease has been obtained for both manganese and iron ore for primarily supplying to Company's Plants and conversion agents and final product to be utilized in company steel plant, for sale and export.</p> <p>This mine is one of the major sources for supply of high grade Manganese Ore for use in our Ferro Manganese Plant at Joda and it also caters to the requirements of low grade Manganese Ore for Jamshedpur Works and other Ferro Alloys Plants. There is a proposal for expansion of this Plant for increased production. We are also producing other value added Ferro Alloy products by having conversion arrangements with other plants. Within the lease area of 169.000 ha, the forest land constitutes 133.174 ha (10.392ha KF + 58.522 ha DLC non- forest Govt. land termed as forest land as per DLC report+ 64.260 ha of non-forest land recorded as forest Government records as on 25.10.1980) and 35.826 ha of non-forest land. The MoEF, Govt of India under Stage-II Clearance granted approval for diversion of 52.348 ha forest area (including 11.650 ha. Broken up prior to 1980) & 1.958 ha. of Forest land approved for Safety Zone vide letter no. F.No.8-80/2004-FC dated 28th. March'2007.</p> <p style="text-align: right;">Annexure-XII</p>	Reserve Forest	0.000 ha	Khesra Forest	10.392 ha	DLC Forest	58.522 ha	NF land recorded as Forest as on 25.10.1980	64.260 ha	Total Forest Land	133.174 ha	Non- Forest Land	35.826 ha	Total Mining Lease Area	169.000 ha
Reserve Forest	0.000 ha															
Khesra Forest	10.392 ha															
DLC Forest	58.522 ha															
NF land recorded as Forest as on 25.10.1980	64.260 ha															
Total Forest Land	133.174 ha															
Non- Forest Land	35.826 ha															
Total Mining Lease Area	169.000 ha															

As per Stage-I approval of MoEF vide letter No **8-80/2004-FC dated 26.05.2005** and subsequently, the Company had deposited the following forest dues :

1. Cost of compensatory afforestation	Rs 14,93,000
2. Infrastructural facilities	Rs 7,50,000
3. Protection of Safety Zone	Rs 60,900
4. Afforestation over 1.5 times of Safety Zone	Rs 1,13,700
5. NPV (including Sabik Forest)	Rs 96283480
6. Wild life protection	Rs 72,67000
Grand Total:	Rs 10.59 Crores

Company had submitted a proposal for diversion of 13.798 ha of balance forest land and it was returned for online submission for the entire forest land. **(State SI No 431/10 dt 27.10.2010).**

On our application, the Collector Keonjhar's letter No 2173/Rev dated 26.09.2015 allotted of 13.789 ha of Govt. Non-forest land for Compensatory Afforestation i.e. for the balance forest area required to be diverted excluding the safety zone and for the area over 64.260 ha of Non-forest land recorded as forest as on 25.10.1980, the CA land has been allotted by Collector, Dhenkanal vide letter No. II/53/16/1185 dated 20.07.2016.

Annexure-XIX

Pursuant to guidelines issued from MoEF & C.C vide F.No.8-87/1996-FC(pt.) dated 10.03.2015 & F.No.8-78/1996-FC(pt.) dated 09.03.2016, we had been following up with the office of Tahasildar, Barbil and finally vide letter No. 2871 dated 10.06.2016, the Tahasildar, Barbil forwarded the details of areas which were recorded as forest in Government record on 25.10.1980 but were treated as non-forest during processing and/or approval of diversion proposal to the DFO, Keonjhar. As per the said details the extent of areas which were recorded as forest in Government record on 25.10.1980 but were treated as non-forest during processing and/or approval of diversion proposal is 64.260 ha.

After receiving the details of the area the DFO, Keonjhar vide Letter No. 4543/Mining dated 17.06.2016 had requested Tata Steel Ltd to deposit an amount of Rs. 4, 69, 09,800/- towards NPV of the said area of 64.260 ha. The demand was paid on 21.06.2016.

Annexure-XX

Tata Steel Ltd vide Letter No.TP/L&L/587/2016 dated 9.9.2016 requested Collector, Keonjhar to issue necessary certificate under FRA-2006 for the forest land proposed to be diverted.

Annexure-XXI

Under this proposal, 80.826 ha forest land i.e 16.566 ha of balance forest land (7.610 ha Khesara Forest, 8.956 ha Forest area as per DLC report) and 64.260 ha of Non forest land recorded as forest in Government Sabik records as on 25.10.1980) has been sought for diversion. In this diversion 3.916 ha has been kept as Safety Zone including approved Safety Zone over an area of 1.958 ha.



ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	:	Location Plan showing the required forest land is shown in the drawing bearing Drg. No. FAMD/L&L/TP/01/2016 and the details is annexed as drawing Plate- I .
iii)	Cost of the project.	:	Total cost of Project is Rs. 129.139 Crores.
iv)	Justification for locating the project in forest area	:	<p>As can be seen from Geological Plan (Plate-V) intensive mineralized zone of Manganese and Iron ores occur both in forest land already diverted and virgin forest areas now requested for diversion and as such mining has to be done in the forest areas. The dumping of overburden linked with mining operation is planned in forest land to be diverted. However, certain essential activities which shall be temporarily required considering its proximity with the mining pits viz. storage of mineral and topsoil, mineral separation plant shall require fresh forest land (non-mineralized zone). Accordingly 80.826 ha of fresh forest land is required for diversion to fulfill the supply of manganese ore to lessee's Ferro Manganese Plant at Joda, Company's Steel Plants & other Plants in group.</p> <p>The Manganese Ore produced from this mine are being supplied to lessee's Ferro Alloys Plant, at Joda for production of Ferro Manganese Alloy & Silico Manganese Alloy which in turn is used for producing different grades of steel. There is a proposal for expansion of this Plant for increased production.</p> <p>Iron ore that shall be produced incidental to the manganese ore production will also be utilized at Co's Steel Plants and sister concerns.</p> <p>The detailed justification is separately enclosed as Annexure-I (A).</p>
v)	Cost benefit analysis	:	Furnished vide Annexure- XVI
vi)	Employment likely to be generated	:	In the Tiringpahar Iron & Manganese Mine, the additional employment likely to be generated for manpower is 1050 directly and 500 indirectly.
2.	Purpose-wise break-up of the total land required (already diverted & to be broken). Details given below and indicated in the Land Use Plan bearing Drawing No FAMD/L&L/TP/04/2016 Dated 14.06.2016 is annexed as drawing Plate-IV .		



LAND USE PATTERN OF ALREADY APPROVED AREA, APPLIED FOR DIVERSION & NOW FUTURE REQUIREMENT OF FOREST LAND (AREA IN HECTS.) TILL 31.03.2030 (Ref. Plate – IV-)

Land Use Pattern	Approved Diverted Forest Land in (Ha)& Broken-up Non-forest land recorded as forest as on 25.10.1980.							Future Requirement as on 31.03.2030							Grand Total
	R.F.	K.F.	DLC	Total Forest	Broken NF land recorded as Forest as on 25.10.80.	NF Land	Total	R.F.	K.F.	DLC	Total Forest	NF land recorded as Forest as on 25.10.80.	NF land	Total	
Mining (quarry, Float ore)	0.000	2.782	33.770	36.552	20.382	4.865	61.799	0.000	7.068	1.946	9.014	9.946	5.436	24.396	86.195
Storing Mineral/ore	0.000	0.000	4.560	4.560	1.820	4.332	10.712	0.000	0.000	0.000	0.000	8.061	0.000	8.061	18.773
Dumping of Over Burden	0.000	0.000	9.636	9.636	4.408	5.323	19.367	0.000	0.000	4.475	4.475	16.719	5.567	26.761	46.128
Storing Tools & Machinery	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Construction of Building	0.000	0.000	0.000	0.000	0.406	0.140	0.546	0.000	0.000	0.000	0.000	0.000	4.658	4.658	5.204
Township Colony	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mines Road	0.000	0.000	1.600	1.600	0.370	1.808	3.778	0.000	0.000	0.180	0.180	0.000	0.208	0.388	4.166
Sub-Total	0.000	2.782	49.566	52.348	27.386	16.468	96.202	0.000	7.068	6.601	13.669	34.726	15.869	64.264	160.466
Green Belt	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.129	1.000	0.502	1.631	1.631
Safety Zone	0.000	0.308	1.650	1.958	0.000	2.357	4.315	0.000	0.234	0.576	0.810	1.148	0.630	2.588	6.903
Grand Total	0.000	3.090	51.216	54.306	27.386	18.825	100.517	0.000	7.302	7.306	14.608	36.874	17.001	68.483	169.000

ABSTRACT OF LAND USE PATTERN OF TIRINGPAHAR LEASE (AREA IN HECTS)

Land Use Pattern		Future Requirement (in Ha)							G.Total
		RF	KF	DLC	Broken up NF Land Recorded as Forest as on 25.10.1980	NF Land Recorded as Forest as on 25.10.1980	Total	NF	
1	Mining (Quarry, Float Ore)	0.000	7.068	1.946	20.382	9.946	39.342	5.436	44.778
2	Storing Mineral/Ore	0.000	0.000	0.000	1.820	8.061	9.881	0.000	9.881
3	Dumping of OB	0.000	0.000	4.475	4.408	16.719	25.602	5.567	31.169
4	Construction of Building (Incl. Magazine)	0.000	0.000	0.000	0.406	0.000	0.406	4.658	5.064
5	Township/Colony	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	Road/ Conv. Corridor/Power transmission Line/ water pipe line etc.	0.000	0.000	0.180	0.370	0.000	0.550	0.208	0.758
7	Safety Zone	0.000	0.234	0.576	0.000	1.148	1.958	0.630	2.588
8	Green Belt	0.000	0.000	0.129	0.000	1.000	1.129	0.502	1.631
9	Approved Safety zone	0.000	0.308	1.650	0.000	0.000	1.958	0.000	1.958
	Grand Total	0.000	7.610	8.956	27.386	36.874	80.826	17.001	97.827



3	Details of displacement of people due to the project, if any	Not Applicable
(i)	Number of families.	N.A
(ii)	Number of Scheduled Castes/Scheduled Tribe families.	N.A
(iii)	Rehabilitation plan. (to be enclosed)	N.A
4	Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).	Yes. Environment Clearance has already been granted by MoEF, Govt. of India vide Ref. No. J-11015/87/2004-IA.II (M), dated 17.11.2005 for 0.85 LTPA of Manganese Ore. Copy of the letter is enclosed as Annexure-VIII
5	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed).	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. is enclosed as Annexure-III .

6. Details of Certificates/ documents enclosed as required under the instructions:

Sl. No.	Description of Documents	Annexure	Page No.
1.	PART-1 (Form- A) for seeking prior approval under Section 2 of proposal	ANNEXURE -A	
2.	PART-II of Form- A	ANNEXURE - A1	
3.	PART- III of Form- A	ANNEXURE - A2	
4.	PART- III A of Form- A	ANNEXURE - A3	
5.	PART- IV of Form- A	ANNEXURE - A4	
6.	PART- V of Form- A	ANNEXURE - A5	
7.	Check-list	ANNEXURE-B & ANNEXURE-B1	
8.	Copy of Mining Lease Deed over 643.710 ha executed on 21.03.1985 for a period of 20 years w.e.f. 01.03.1980 & lease renewal Grant Order No.2976/MG Bhubaneswar, dt.18.02.1982.	ANNEXURE - I	
9.	Justification for requirement of forestland.	ANNEXURE - I (A)	
10.	Boundary Description of the already diverted area & Asking forest area.	ANNEXURE - II	
11.	Undertakings.	ANNEXURE - III	
12.	Phase Reclamation & Afforestation Scheme including Phase Reclamation & Afforestation Programme.	ANNEXURE - IV	
13.	Grant Orders of Surface Right from the Collector, Keonjhar along with a statement.	ANNEXURE - V	
14.	Copy of Consent to Operate (CTO) obtained from SPCB, Odisha	ANNEXURE - VI	



Proposal For Diversion Of Forest Land over 80.826 ha in respect of Tiringpahar Iron & Manganese Mine Lease Of Tata Steel Limited at Joda in Keonjhar District of Odisha State

Part-I

Sl. No.	Description of Documents	Annexure	Page No.
15.	Copy of Mining Plan approved by IBM vide letter No MS/OTFM/34-ORI/BHU/2014-15, Dt. 29.04.2015 including Progressive Mine Closure Plan	ANNEXURE - VII (submitted in a separate volume).	
16.	Copy of Environmental Clearance	ANNEXURE - VIII	
17.	Land Schedule of Forest Land (Already diverted + Asking) Land Schedule of the entire lease-hold area of Tiringpahar lease, showing the Non-Forest land recorded as forest in Government Records as on 25.10.1980 duly certified by Tahasildar, Barbil.	ANNEXURE- IX ANNEXURE-IX(A)	
18.	Land Schedule of Surface Right area.	ANNEXURE- X	
19.	Copy of Aam Sabha Resolution	ANNEXURE - XI	
20.	Copy of Stage-II clearance F. No. 8-80/2004-FC dt 28.03.2007	ANNEXURE - XII	
21.	Copy of Stage-I Clearance F.No.8-80/2004-FC dated 26.05.2005	ANNEXURE - XIII	
22.	Copy of Power of Attorney.	ANNEXURE - XIV	
23.	Brief Profile of the Lessee	ANNEXURE - XV	
24.	Cost Benefit Analysis	ANNEXURE- XVI	
25.	Order for Supplementary Lease Deed issued by Govt. of Odisha, Steel & Mines department vide its letter no. 3278/SM, Dt. 18.04.2015	ANNEXURE - XVII	
26.	Copy of Executed and Registered Supplementary Lease Deed	ANNEXURE - XVIII	
27.	Collector Keonjhar's letter No 2173/Rev dated 26.09.2015 for allotment of 13.798 ha of Govt. Non-forest land for Compensatory Afforestation for the balance forest land & Letter No. II-53/16/1185 dated 20.07.2016 of Deputy Collector, Revenue, Collectorate, Dhenkanal for allotment of 64.260 ha Govt. Non-forest land for Compensatory Afforestation for Sabik Forest.	ANNEXURE - XIX Series	
28.	Letter No. 4543/Mining dated 17.06.2016 of DFO, Keonjhar requesting payment of NPV for 64.260 ha of Non-forest land recorded as forest in Government Records as on 25.10.1980 and letter No. TP/L&L/420/2016 dated 27.06.2016 intimating DFO, Keonjhar about the payment of the aforesaid NPV.	ANNEXURE - XX Series.	
29.	Copy of application to Collector Keonjhar for issuing necessary certificate under FRA,2006	ANNEXURE-XXI	
30.	Certificate of payment of NPV for all the other Mines in Odisha	ANNEXURE-XXII	
31.	Tree Enumeration List over an area of 80.826 ha.	ANNEXURE-XXIII	
32.	District Profile	ANNEXURE-XXIV	
33.	Compliance of the condition stipulated in the Earlier Approvals (Stage-II) under FC Act, 1980	ANNEXURE-XXV	
34.	Compliance to Status(s), circular & directives issued by Govt. of India, MoEF as applicable to project which came in to force after grant of earlier approval.	ANNEXURE-XXVI	
35.	Site Inspection Report of DCF	ANNEXURE-XXVII	
36.	Compensatory Afforestation Scheme of Non-forest &	ANNEXURE-XXVIII	



Sl. No.	Description of Documents	Annexure	Page No.
	Degraded forest land.	Series.	
37	Surrender forwarding letter of the application over an area of 474.710 ha. out of 643.710 ha. of Tiringpahar Iron & Manganese Mines.	ANNEXURE-XXVIV	-

DRAWING PLATES

PLATE NO.	SUBJECT	DRAWING NO.
<u>I</u>	Location Plan showing Mining Lease Area over 169.000 ha in respect of Tiringpahar Iron & Manganese Mines in Keonjhar Dist. Reference Topo Sheet No. 73-G/5 (New Topo Sheet No. F45N5) (Scale -1:50,000)	FAMD/L&L/TP/01/2016 Dated 14.06.2015
<u>II</u>	Plan Showing Mining Lease area of 169.000 ha of Tiringpahar Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:3960).	FAMD/L&L/TP/02/2016 Dated 14.06.2015
<u>III</u>	Present Land Use Plan for forest and non-forest area (including Sabik Forest)	FAMD/L&L/TP/03A/2016 Dated 14.06.2015
<u>IV</u>	Land Use Plan for forest and non-forest area for Future Requirement till end of life of Mine (Scale 16" = 1 Mile Or 1:3960)	FAMD/L&L/TP/04/2016 Dated 14.06.2015
<u>V</u>	Surface Geological Plan of Tiringpahar Iron & Manganese Mining Lease (Scale 1:3960)	FAMD/L&L/TP/05/2016 Dated 14.06.2015
<u>VI</u>	Plan showing Safety Zone area for mining operation Tiringpahar Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:3960)	FAMD/L&L/TP/06/2016 Dated 14.06.2015
<u>VII</u>	Plan showing Phase Reclamation and Afforestation of Tiringpahar Iron & Manganese Mine (Scale 16" = 1 Mile Or 1:3960)	FAMD/L&L/TP/07/2016 Dated 14.06.2015
<u>VIII</u>	Sketch Map showing the method of Reclamation, Top Soil, and Waste Dump Management	FAMD/L&L/TP/08 /2016 Dated 14.06.2015
<u>IX</u>	Plan showing 13.798 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation	FAMD/L&L/TP/09/2015 Dated 15.10.2015



	in Telkoi Tahasil of Keonjhar District..	
<u>X</u>	Topo Sheet Plan showing 13.798 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.	FAMD/L&L/TP/10/2016 Dated 14.06.2015
<u>XI</u>	Plan showing 13.798 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation (Along with GPS Coordinates) in Telkoi Tahasil of Keonjhar District.	FAMD/L&L/TP/11/2016 Dated 14.06.2015
<u>XII</u>	Topo Sheet Plan showing 64.260 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.	FAMD/L&L/TP/12/2016
<u>XIII</u>	Plan showing 64.260 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation (Along with GPS Coordinates) in Kankadahad Tahasil of Dhenkanal District.	FAMD/L&L/TP/13/2016
<u>XIV</u>	Original Lease Plan of Guruda Block of Tiringpahar Iron & Manganese Mines.	FAMD/L&L/TP/14/2016
<u>XV</u>	Approved land use Plan under FC Act,1980	FAMD/L&L/TP/15/2016 (2 Sheets)
<u>XVI</u>	DGPS Map showing the patch wise forest land proposed for diversion along with co-ordinates.	FAMD/L&L/TP/16/2016 (6Sheets)




Proposal For Diversion Of Forest Land over 80.826 ha in respect of Tiringpahar Iron & Manganese Mine Lease Of Tata Steel Limited at Joda in Keonjhar District of Odisha State

Part-I

Date:18.06.2016
Place:Joda

FOR TATA STEEL LTD.
By their Constituted Attorney


(GANESH PRASAD SAHU)

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

(Name in Block letters)

Designation

Address (of User Agency)

State serial No. of proposal _____
(To be filled up by the Nodal Officer with date of receipt)



ANNEXURE – A1

PART-II

(To be filled by the concerned Deputy Conservator of Forests)

State serial No. of proposal _____

7. Location of the project/Scheme:
- (i) State/Union Territory
 - (ii) District.
 - (iii) Forest Division
 - (iv) Area of forest land proposed for diversion (in ha.)
 - (v) Legal status of forest
 - (vi) Density of vegetation.
 - (vii) Species-wise (scientific names) and diameter class-wise enumeration of trees (to be enclosed. In case of irrigation / hydel projects enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed.)
 - (viii) Brief note on vulnerability of the forest area to erosion.
 - (ix) Approximate distance of proposed site for diversion from boundary of forest.
 - (x) Whether forms part of National Park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc. (If so, the details of the area and comments of the Chief Wildlife Warden to be annexed).
 - (xi) Whether any rare/endangered/unique species of flora and fauna found in the area- if so details thereof.
 - (xii) Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required.
8. Whether the requirement of forest land as proposed by the user agency in col. 2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternatives examined.
9. Whether any work in violation of the Act has been carried out (Yes/No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress.
10. Details of compensatory afforestation scheme:
- (i) Details of non-forest area/degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches, size of each patch.
 - (ii) Map showing non-forest/degraded forest area identified for compensatory afforestation and adjoining forest boundaries.
 - (iii) Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc.
 - (iv) Total financial outlay for compensatory afforestation scheme.
 - (v) Certificates from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view. (To be signed by the concerned Deputy Conservator of Forests).



11. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col. 7 (xi, xii), 8 and 9 above.
12. Division/District profile:
- (i) Geographical area of the district.
 - (ii) Forest area of the district.
 - (iii) Total forest area diverted since 1980 with number of cases.
 - (iv) Total compensatory afforestation stipulated in the district/division since 1980 on (a) forest land including penal compensatory afforestation,
(b) Non-forest land.
 - (v) Progress of compensatory afforestation as on (date) _____ on
(a) Forest land
(b) Non-forest land.
13. Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.

Signature

Name
Official Seal

Date:-_____

Place:-_____



ANNEXURE - A2

PART-III

(To be filled by the concerned Conservator of Forests)

14. Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests (Yes/No). If yes, the date of inspection & observations made in form of inspection note to be enclosed.
15. Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendations of Deputy Conservator of Forests.
16. Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.

Signature

Name

Official Seal

Date:-_____

Place:-_____



ANNEXURE - A3

PART-III A

(To be filled by the concerned Regional Conservator of Forests)

17. Whether site, where the forest land involved is located has been inspected by concerned Conservator of Forests (Yes/No). If yes, the date of inspection & observations made in form of inspection note to be enclosed.
18. Whether the concerned Conservator of Forests agree with the information given in Part-B and the recommendations of Deputy Conservator of Forests.
19. Specific recommendation of concerned Conservator of Forests for acceptance or otherwise of the proposal with detailed reasons.

Signature
Name
Official Seal

Date:-_____

Place:-_____



ANNEXURE - A4

PART-IV

(To be filled in by the Nodal Officer or Principal Chief Conservator of Forests or Head of Forest department)

17. Detailed opinion and specific recommendation of the State Forest Department for acceptance of otherwise of the proposal with remarks.

(While giving opinion, the adverse comments made by concerned Conservator of Forests or Deputy Conservator of Forests should be categorically reviewed and critically commented upon).

Signature
Name & Designation
(Official Seal)

Date:-_____

Place:-_____



ANNEXURE - A5

PART- V

(To be filled in by the Secretary in charge of Forest Department or by any other authorized officer of the State Government not below the rank of an Under Secretary)

18. Recommendation of the State Government:

(Adverse comments made by any officer or authority in Part-B or Part-C or Part-D above should be specifically commented upon)

Signature
Name & Designation
(Official Seal)

Date:-_____

Place:-_____



INSTRUCTIONS (for Part-I):-

1. The project authorities may annex a copy of the approved project/plan in addition to filling Col. 1 (i) e.g. IBM approved mining plan for major minerals/CMPDI plan with subsidence analysis reports, etc.
2. Map has to be in original duly authenticated jointly by project authorities and concerned DCF – Col. 1 (ii).
3. Complete details of alternative alignments examined especially in case of project like roads, transmission lines, railway lines, canals, etc. to be shown on map with details of area of forest land involved in each alternative to be given - Col. 1 (iii).
4. For proposals relating to mining, certificate from competent authority like District Mining Officer about non-availability of the same mineral in surrounding/nearby non-forest areas.
5. In case the same company/individual has taken forest land for similar project in the State, a brief detail of all such approvals/leases be given as an enclosure along with current status of the projects.
6. The latest clarifications issued by the Ministry under Forest (Conservation) Act, 1980 may be kept in mind. In case such information do not fit in the given columns, the same shall be annexed separately.

GENERAL INSTRUCTIONS:-

1. On receipt of proposal, Nodal Officer shall issue a receipt to the user agency indicating therein the name of the proposal, user agency, area in hectare, serial number and date of receipt.
2. If the space provided above is not sufficient to specify any information, please attach separate details/documents.
3. While forwarding the proposal to the Central Government, complete details on all aspects of the case as per Form prescribed above read with the clarifications issued by the Ministry of Environment and Forests, Government of India, New Delhi should be given. Incomplete or deficient proposals shall not be considered and shall be returned to the State Government in original.
4. The State Government shall submit the proposal to the Central Government within stipulated time limits. In case of delay while forwarding, the reasons for the same to be given in the forwarding/covering letter.