



**OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION**  
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Memo No. 4878 /6F-Mining-37/2016

Dated, Keonjhar the 16-07-2018

To

The Regional Chief Conservator of Forests,  
Rourkela Circle, Rourkela.

**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 involved in the mining lease area over 169.00 ha within Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar district, Odisha.**

Ref: Proposal No. FP/OR/MIN/20092/2016, State Sl. No. OR-060/2016 dt. 01.07.2016.

Proposal for diversion of 80.826 ha of Forest land i.e. 16.566 ha of forest land (Keshra Forest- 7.610 ha & DLC Forest- 8.956 ha) and 64.260 ha of non-forest land recorded as Forest as on 25.10.1980 involved in the mining lease area over 169.00 ha within Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd in Keonjhar district, Odisha, was received online from the Addl. Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act. O/o the Principal Chief Conservator of Forests, Odisha, Bhubaneswar vide No. FP/OR/MIN/20092/2016, State Sl. No. OR-060/2016 dt. 01.07.2016. The submitted proposal, over 80.826 ha forest land (Khesera Forest-7.610 ha. and DLC Forest-8.956 ha.) including 64.260 ha of non-forest land recorded as forest as on 25.10.1980 including 3.916 ha located in the safety zone of the mining lease, in 5 sets is sent herewith for approval under section-2(ii) of Forest Conservation Act, 1980 (Amended) after due scrutinization 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.

**A. Brief description of the Project Proposal**

**A1 - Brief description of the Project**

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 1<sup>st</sup> 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 2<sup>nd</sup> Renewal was granted by Mining & Geology Department; Government of Orissa vide Order No.2976 MG Bhubaneswar dated 18.02.1982 (Copy enclosed vide **Annexure- I**) over an area of 643.710 ha for 20 years from 01-03-1980 to 29-02-2000. The User Agency has applied for 3<sup>rd</sup> 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 for the 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 surrender application is enclosed vide **Annexure- XXIV**.

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.

## **A.2. Physiography and Geological formation**

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, consists of Khesera Forest, DLC Forest land and Non-Forest land recorded as Forest as on 25.10.1980. This site falls under the physiographic- Joda Barbil plateau extending from Chamakpur to the border of Singhbhum of Jharkhand in north and border of Bonai in the west. This region is an extension southwards of Singhbhum rocks. This group of rocks comprising trap, tuffites, shale, quartzite, phyllite, banded haematite jasper and banded haematite quartzite form high hill ranges with narrow deep valley. This region is characterised by massive deposit of iron and manganese are associated with B.H.J. and shales. The iron ores precipitates are in the form of oxide, carbonates, silicates and sulphides. The most characteristics feature of the iron ore i.e haematite is it's availability in the form of massive beds, pockets and large lensoid soil bodies. Hard massive, Laminated, Lateritoid & Blue dust are the major form of ore located in this physiographic zone.

Most characteristic feature of associated manganese ore is its occurrence in form of pocket, lenses in the shales of the iron ore group. It is also seen extensively as residual deposit. Manganese ore deposits are mostly confined to the Singhbhum-Bonai belt of Keonjhar district associated with BIF of Iron ore group. The ore minerals are chiefly pyrolusite and psilomelane. The important manganese deposits of the district are located at Roida, Sidhamatha, Bhadrasahi, Guruda, Joda, Harmath-Guali and Bamebari. The mineable reserve of Iron ore established so far is 239 Million Tonne of + 55 % Fe grade.

## **A.3. Floristic- Faunal Composition**

The geological formation of this area is quite suitable for growth of Sal. Sal constitutes around 70 to 75% of the top canopy. The middle storey is un-conspicuous. The quality of Sal varies from all India Quality II to IV. Quality II sal is mainly confined to the valleys while Q III occurs on the hill slopes of moderate gradient. Q IV sal mainly confined in the ridges. Q I sal is completely absent.

The principal associates of Sal includes *Terminalia alata*, *Lagerstroemia perviflora*, *Anogeissus latifolia*, *Terminalia belerica*, *Syzygium cumini*, *Mangifera indica*, *Schleichera oleosa*, *Adina cordifolia*, *Pterocarpus marsupium*, *Bombax ceiba*, *Bridelia retusa*, *Madhuca indica*. The middle story is represented by *Syzygium cumini*, *Ougeinia ougenensis*, *Careya arborea*, *Treema orientalis*, *Emblica officinalis*, *Cassia fistula* etc. The

shrubs and undergrowth are characterized by *Indigofera pulchella*, *Ardisia solenacea*, *Flemingia chhappar*, *Helicteres ixora* and *Clerodendron viscosum* etc. The prevailing climbers include *Bauhinia vahlii*, *Combretum decandrum* and *Beutia parviflora*. The grasses over the forest floor include *Chrysopogon aciculatus*, *Imperata cylindrica*, *Dicanthium carricosum*, *Cynodon dactylon* etc.

The canopy density of the prevailing forest growth is situated in contiguous with Baitarani Reserve Forest varies from 0.2 to 0.8. The prevalence of pole crop to middle aged sal crop in this area indicates the shifting cultivation in the past and the crop can therefore be considered to be secondary origin. But the secondary moist deciduous forest replacing primary forest of the same type is not differentiated as almost all the primary forests have been practically influenced by human interference. The prevailing forest growth & structure of the forest crop in the proposed non-forest land recorded as forest is categorised as "Open mixed Jungle mainly Sal" with canopy density 0.3.

The Baitarani Reserved Forest and the adjoining Revenue Forest and DLC Forest land along with the Non-Forest land recorded as Forest is the dwelling habitat for Bear, Barking Dear, Hyena, Porcupine and etc. Movement of wild elephants is often witnessed in Baitarani Reserved Forest and adjoining Forest land. The applied site falls under elephant habitat zone- 2 as mentioned by ORSAC, Bhubaneswar.

The Mining Lease contains total mineable reserve of 0.730 million tonnes of Manganese Ore. The annual production capacity is 0.85 LTA manganese ore. This project will generate direct and indirect employment for more than 1050 and 500 person respectively.

## **B. Documents and Undertakings as regards Forest Diversion Proposal**

### **B.1. Maps**

The user agency has furnished the required maps as depicted hereunder in the table produced below-

<b>Sl. No.</b>	<b>Particulars</b>	<b>Scale</b>	<b>Plate No.</b>
1	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 )	1:50000	I
2	Plan Showing Mining Lease area of 169.000 ha of Tiringpahar Iron & Manganese Mine.	16" =1 mile	II
3	Land Use Plan for forest and non-forest area already approved and Land Use Plan for forest and non-forest area as on 01.04.2016	16" =1 mile	III
4	Land Use Plan for forest and non-forest area for Future Requirement till end of life of Mine	16" =1 mile	IV
5	Surface Geological Plan of Tiringpahar Iron & Manganese Mining Lease	16" =1 mile	V
6	Plan showing Safety Zone area of Tiringpahar Iron & Manganese Mine.	16" =1 mile	VI
7	Plan showing Phase Reclamation and Afforestation of Tiringpahar Iron & Manganese Mine.	16" =1 mile	VII
8	Sketch Map showing the method of Reclamation, Top Soil, and Waste Dump Management	16" =1 mile	VIII
9	Topo Sheet Plan showing 13.798 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Telkoi Tahasil of Keonjhar District.	1:50000	IX

10	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.	16" =1 mile	X
11	Topo Sheet Plan showing 64.260 ha of Govt. non-forest land identified and allotted for Compensatory Afforestation in Kankadahad Tahasil of Dhenkanal District.	1:50000	XI
12	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.	16" =1 mile	XII
13	DGPS Map showing the patch wise forest land proposed for diversion along with co-ordinates.	16" =1 mile	XIII
14	Plan showing the degraded forest land identified in Renda PRF over 99.00 ha for CA.	16" =1 mile	XIV

## **B2. Forest Land**

The Mining Lease of Tiringpahar Iron & Manganese mines of M/s Tata Steel Ltd, over 169.00 ha comprises of 133.174 ha of Forest Land (10.392 ha of Khesera Forest, 58.522 ha of DLC Forest Land, 64.260 ha Non-Forest Land recorded as Forest as on 25.10.1980) and 35.826 ha of Non-Forest land. The purpose wise break-up of 80.826 ha of Forest Land including 64.260 of Non-Forest Land recorded as Forest as on 25.10.1980, submitted for diversion, is produced hereunder-

### **Purpose wise breakup of the 80.826 ha Forest Land including 64.260 ha of non-forest land recorded as Forest as on 25.10.1980**

**Table - 1**

#### **Existing land use in respect of 27.386 ha of Broken up Non-Forest Land recorded as Forest as on 25.10.1980**

Sl. No	Pattern of Utilization	Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.)	Broken up Non-forest land recorded as Forest as on 25.10.1980 located in S.Z.(In Ha.)	Total Broken up Non-forest land recorded as Forest as on 25.10.1980(In Ha.)
1	Mining (quarry, Float ore)	20.382	0.000	20.382
2	Storing Mineral / ore	1.820	0.000	1.820
3	Dumping of Over Burden	4.408	0.000	4.408
4	Storing Tools & Machinery	0.000	0.000	0.000
5	Construction of Building	0.406	0.000	0.406
6	Township Colony	0.000	0.000	0.000
7	Mines Road	0.370	0.000	0.370
<b>SUB TOTAL</b>		<b>27.386</b>	<b>0.000</b>	<b>27.386</b>
8	Green Belt	0.000	0.000	0.000
9	Safety Zone	0.000	0.000	0.000
<b>TOTAL</b>		<b>27.386</b>	<b>0.000</b>	<b>27.386</b>

Table -2

**Proposed Land use of virgin forest, broken-up & virgin non-forest land recorded as forest as on 25.10.1980 along with Non-Forest land involved in the project**

Sl. No.	Pattern of Utilization	KF	DLC	Total Virgin Forest land	Broken up Non-forest land recorded as Forest as on 25.10.80	Virgin forest land Recorded as Forest as on 25.10.80	Total forest land Recorded as Forest as on 25.10.80	Total Forest Land and Non-Forest land recorded as Forest as on 25.10.80	Non-Forest Land
1	Mining (quarry, Float ore)	7.068	1.946	9.014	20.382	9.946	30.328	39.342	5.436
2	Storing Mineral / Ore	0	0	0	1.820	8.061	9.881	9.881	0
3	Dumping of OB	0	4.475	4.475	4.408	16.719	21.127	25.602	5.567
4	Storing Tools & Machinery	0	0	0	0	0	0	0	0
5	Construction of Building ( Incl. Magazine)	0	0	0	0.406	0	0.406	0.406	4.658
6	Township/ Colony	0	0	0	0	0	0	0	0
7	Road/ Conv. Corridor/Power transmission line/water pipe line etc.	0	0.180	0.180	0.370	0	0.370	0.550	0.208
	<b>Sub-total</b>	<b>7.068</b>	<b>6.601</b>	<b>13.669</b>	<b>27.386</b>	<b>34.726</b>	<b>62.112</b>	<b>75.781</b>	<b>15.869</b>
8	Safety Zone	0.234	0.576	0.810	0	1.148	1.148	1.958	0.630
9	Green Belt	0	0.129	0.129	0	1.000	1.000	1.129	0.502
10	Safety Zone involved in approved land.	0.308	1.650	1.958	0	0	0	1.958	0
	<b>Grand Total</b>	<b>7.610</b>	<b>8.956</b>	<b>16.566</b>	<b>27.386</b>	<b>36.874</b>	<b>64.260</b>	<b>80.826</b>	<b>17.001</b>

Table- 3

**Abstract of Existing and Proposed Land use of Forest & non-forest land recorded as forest as on/ after 25.10.1980 along with Non-Forest land involved in the project**

Sl. No.	Pattern of Utilization	Broken up Non-forest land recorded as Forest as on 25.10.80 (in ha.)	Virgin forest land Recorded as Forest as on 25.10.80	Total forest land Recorded as Forest as on 25.10.80	Total Virgin Forest land (KF & DLC)	Total forest land (KF, DLC & Sabik Forest)	Non-Forest Land	Grand Total (in Ha.)
1	Mining (quarry, Float ore)	20.382	9.946	30.328	9.014	39.342	5.436	44.778
2	Storing Mineral / ore	1.820	8.061	9.881	0.000	9.881	0.000	9.881
3	Dumping of Over Burden	4.408	16.719	21.127	4.475	25.602	5.567	31.169
4	Construction of Building	0.406	0.000	0.406	0.000	0.406	4.658	5.064

Sl. No.	Pattern of Utilization	Broken up Non-forest land recorded as Forest as on 25.10.80 (in ha.)	Virgin forest land Recorded as Forest as on 25.10.80	Total forest land Recorded as Forest as on 25.10.80	Total Virgin Forest land (KF & DLC)	Total forest land (KF, DLC & Sabik Forest)	Non-Forest Land	Grand Total (in Ha.)
5	Road/ Conv. Corridor/Power transmission line/water pipe line etc.	0.370	0.000	0.370	0.180	0.550	0.208	0.758
<b>Sub Total</b>		<b>27.386</b>	<b>34.726</b>	<b>62.112</b>	<b>13.669</b>	<b>75.781</b>	<b>15.869</b>	<b>91.650</b>
6	Safety Zone	0.000	1.148	1.148	0.810	1.958	0.630	2.588
7	Green Belt	0.000	1.000	1.000	0.129	1.129	0.502	1.631
8	Safety Zone involved in approved land.	0.000	0.000	0.000	1.958	1.958	0.000	1.958
<b>Grand Total</b>		<b>27.386</b>	<b>36.874</b>	<b>64.260</b>	<b>16.566</b>	<b>80.826</b>	<b>17.001</b>	<b>97.827</b>

### **B.3 Tree Enumeration.**

There are 1243 Nos. of sound trees, 700 Nos. of unsound trees and 955 nos. of poles below 30 cm girth enumerated inside the proposed diversion area of 80.826 ha. The species wise and diameter class wise abstract of enumerated trees is enclosed as **Annexure-XXIII**.

### **B.4 Cost benefit analysis.**

The Cost Benefit analysis has been worked out as per the guide lines of Forest (Conservation) Act, 1980 and enclosed in the proposal as **Annexure- XVI**. The Cost Benefit ratio is 1: 17.08.

### **B.5 Re-settlement and Rehabilitation.**

The project does not involve displacement of any human habitation. Therefore, Re-settlement and Rehabilitation plan is not insisted upon.

### **B.6. Safety Zone**

The Mining Lease of Tiringpahar Iron & Manganese mines of M/s Tata Steel Ltd, over 169.00 ha comprises 133.174 ha. of Forest land (10.392 ha of Khesera Forest, 58.522 ha of DLC Forest land, 64.260 ha Non-Forest land recorded as Forest as on 25.10.1980) and 35.826 ha of Non-Forest land. The total forest land including non-forest land recorded as Forest as on 25.10.1980 located in the safety zone of the mining lease is 3.916 ha. The non-forest land located in the safety zone is 2.987 ha. The details of Forest and Non-Forest land located in the safety zone of the mining lease, in respect of the submitted diversion proposal, is furnished hereunder-

### DETAILS OF SAFETY ZONE AREA (in ha)

Sl. No.	Item	Forest Land		Non-Forest land recorded as Forest as on 25.10.1980	Total Forest Land	Non-Forest Land	Grand Total
		KF	DLC				
1	Safety Zone for proposed land	0.234	0.576	1.148	1.958	0.630	2.588
2	Safety Zone involved in approved land	0.308	1.650	0	1.958	2.357	4.315
	<b>Total</b>	<b>0.542</b>	<b>2.226</b>	<b>1.148</b>	<b>3.916</b>	<b>2.987</b>	<b>6.903</b>

#### **B.7. Concurrent Reclamation Plan.**

The Mining Lease of Tiringpahar Iron & Manganese mines of M/s Tata Steel Ltd, over 169.00 ha comprises of 10.392 ha of Khesera Forest, 58.522 ha of DLC Forest land, 64.260 ha Non-Forest land recorded as Forest as on 25.10.1980 and 35.826 ha of Non-Forest land.

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 total area of 11.650 ha Pre-1980 broken up DLC forest land and 40.698 ha virgin forest land (KF-2.782 ha and DLC-37.916 ha).

Concurrent Reclamation Plan approved while grant of the Stage-II approval didn't provide for reclamation of pit but had proposed for dump reclamation and 15000 Nos of saplings has been planted over an area of 1.25 ha for the block year 2017-18 to 2021-22. In addition, a phased reclamation plan has been prepared in respect of the forest and non-forest land recorded as Forest as on 25.10.1980 submitted for diversion and the said plan is enclosed vide **Annexure- IV**. The reclamation will be taken up in respect of the applied forest land on approval of the scheme.

#### **B.8. Lease Profile**

The lease profile, furnished by the User Agency, is enclosed as **Annexure- XV** in the diversion proposal.

#### **B.9. District Profile**

The district profile in the prescribed proforma vide Annexure- VII of FC Act guideline is annexed herewith as **Annexure- XXIV**.

#### **B.10. Compliance of the conditions stipulated in the Earlier Approvals (Stage-II) under FC Act, 1980**

The Compliance report of the conditions stipulated in the Stage-II approval accorded over 52.348 ha for mining and ancillary activities vide F. No. 8-80/2004-FC dated dt.28.03.2007 respectively is enclosed as **Annexure- XXV**.

#### **B.11. Compliance to Statute(s), circular & directives issued by Govt. of India, MoEF as applicable to the project which came in to force after grant of earlier approval.**

The desired compliance is enclosed as **Annexure- XXVI**.

## **B.12. Certificate under FRA, 2006**

The User Agency has applied for issue of Certificate under Forest Right Act, 2006 over 80.826 ha forest land [16.566 ha virgin forest i.e. (Khesera Forest-7.610 ha. and DLC Forest-8.956 ha.) + 64.260 ha non-forest land recorded as Forest as on 25.10.1980) to the Collector, Keonjhar vide their letter No. TP/L&L/587/2016 dated 09.09.2016. The copy of the said letter is enclosed as **Annexure- XXI**. Nonetheless, it is mentioned that certificate under FRA, 2006 for 80.826 ha of forest land including 64.260 ha of Non-Forest land recorded as Forest as on 25.10.1980 will be submitted by the Collector, Keonjhar along with his findings on settlement of rights under FRA and consent of the Gramsabha, in respect of the aforesaid non-forest land recorded as forest as on 25.10.1980, to the Regional Chief Conservator of Forests as enshrined in the FC Amendment Rule, 2014.

## **B.13. Site Inspection Report of DCF**

Site Inspection report of the Deputy Conservator of Forests, Keonjhar Division is furnished as **Annexure-XXVII**.

## **B.14. DGPS maps**

The DGPS map signed by all concerned officials of Revenue, Mining and Forest Dept., validated by ORSAC and duly countersigned by the undersigned is enclosed as **Plate- XIII**. The area as per land schedule and that of DGPS map involved in the submitted diversion proposal is produced below-

Sl No.	Category of Forest Land	Area applied for (in ha)	Area as per DGPS Map (in ha)	Difference	Remarks
1	Khesera Forest	7.610	7.600	0.010	0.131%↓
2	DLC	8.956	8.608	0.348	3.885%↓
3	Non-Forest Land recorded as Forest as on 25.10.1980	64.260	63.589	0.671	1.044%↓
	<b>Total</b>	<b>80.826</b>	<b>79.797</b>	-	-

*N.B: - An area of 0.020 Acre (0.008 ha) of plot No6 in Village-Palasa (Kha) has been excluded from the DGPS surveyed area but included in the certified land schedule of the Tahasildar, Barbil.*

## **C. Compensatory Levies**

### **C.1. Compensatory Afforestation**

I	Total Mining Lease area	-	169.000 ha
II	Forest area involved in the ML	-	133.174 ha
III	Forest area already diverted	-	52.348 ha
IV	Forest area covered under safety zone	-	3.916 ha
V	Forest land to be kept un-diverted	-	0.000 ha
VI	Forest area applied for diversion	-	80.826 ha
VII	<b>Land Required for Compensatory Afforestation</b>	-	<b>76.910 ha</b>

Non-forest land required for Compensatory Afforestation for diversion of 80.826 ha of Forest Land under Sec 2(ii) under FC Act, 1980, will be met from the identified and allotted non-forest Govt. land over 13.798 ha in Village Kaliapani under Telkoi Tahasil of Keonjhar District and 64.260 ha in village Asanabahali under Kankadahad Tahasil of

Dhenkanal Division in Dhenkanal District in favour of Tiringpahar Iron and Mn Mines of M/s Tata Steel Ltd. vide letter No. 2173/Rev dt. 26.09.2015 of Collector, Keonjhar and Letter No. 1185 dated 20.07.2016 of Deputy Collector, Revenue, Dhenkanal for raising Compensatory Afforestation. The copy of the allotment letter is enclosed as **Annexure- XIX**. Further, for the seedlings of 39373 nos. that cannot be accommodated in the allotted non-forest Govt. land for Compensatory Afforestation land, 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. 224.30 per MD with a maintenance period of ten years under ANR with gap model @400 seedlings/ha has been prepared. Compensatory Afforestation scheme, prepared by the Division Forest Officer, Keonjhar & Dhenkanal Division in respect of the aforementioned Non-forest land is enclosed herewith as **Annexure- XXVIII series**.

## **C2. Net Present Value (NPV)**

The mining lease granted over 169.000 ha involves 133.174 ha Forest land & 35.826 ha Non-Forest Land. NPV has been deposited in respect of entire forest land included in the mining lease as depicted hereunder-

Sl No.	Forest Area in ha	Eco Value Class	Canopy Density	The then applicable Rate in Rs.	NPV Deposited in Rs.
1	11.650	I	0.1	580000/-	6757000
2	40.698	I	0.3	750000/-	30523500
3	16.566	I	0.3	730000/-	12093180
4	64.260 Non-Forest land recorded as Forest as on 25.10.1980	I	0.3	730000/-	46909800
	<b>Total- 133.174 ha</b>				<b>96283480</b>

## **C3. Wild Life Management- Site Specific Wildlife Conservation Plan and Regional Wildlife Management Plan.**

Site Specific Wildlife Conservation Plan has been approved by the PCCF, (Wildlife) & CWLW, Odisha vide memo No. 7724/1WL-SSP-94/2015 dtd. 31.08.2015 with a financial outlay of Rs. 276.17 Lakh (Rs. 35.70 Lakh for the project area to be implemented by User Agency and Rs. 240.47 Lakhs for the project impact area to be implemented by DFO, Keonjhar). The User Agency has deposited Rs. 240.47 lakh in Ad-hoc CAMPA through RTGS vide UTR No SBINR520180390004322 dated 09.03.2018.

The User Agency has deposited a sum of Rs. 7267000/- towards implementation of Comprehensive Wildlife Management Plan at the rate of Rs. 43,000/- per ha for entire lease hold area through RTGS in Ad-hoc CAMPA vide UTR No. HDFCR52015073005436903 dated 04.08.2015.

## **D. Statutory Clearances**

### **D.1. Forest Clearance**

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.

## **D.2. Mining Plan/ Mining Scheme**

The Mining Scheme along with Progressive Mine Closure Plan has been approved by IBM vide No. MS/OTFM/34-ORI/BHU/2014-15 dt. 29.04.2015 with validity up to 31.03.2020. The copy of the approved scheme is enclosed as **Annexure- VII**.

## **D.3. Environmental Clearance**

The User Agency has obtained Environmental Clearance for production of 0.85 LTPA of Manganese ore from Govt. of India, MoEF vide their letter No. J-11015/87/2004-IA.II (M) dt. 17.11.2005 The copy of the approved Environmental Clearance is enclosed as **Annexure-VIII**.

## **D.4. Consent to Operate from SPCB, Odisha**

The State Pollution Control Board, Odisha has issued Consent to operate vide letter No. 1482/IND-I-CON-190 dated 19.01.2016 with validity up to 31.03.2021. The Copy of the Consent to Operate Order is enclosed as **Annexure- VI**.

## **E. Miscellaneous Information**

### **E.1. Violation and Action Taken thereof.**

No violation has been observed in respect of the forest land proposed for diversion under FC Act, 1980 Tiringpahar Iron & Mn Mines of M/s TATA Steel Ltd.

### **E.2. Pending Court Matters.**

The Lessee has furnished an undertaking as regards pending court matter in respect of the Tiringpahar Iron & Mn Mines of M/s Tata Steel Ltd and the said undertaking is enclosed herewith as **Annexure- III** for kind perusal.

### **E.3. Brief details as regards approval/ leases owned by the same project proponent.**

The brief details as regards the approvals/ leases owned by the project proponent along with the current status of the projects/ leases is enclosed as **Annexure- XV**.

### **E.4. Specific recommendation**

The submitted diversion proposal over 80.826 ha of Forest land i.e. 16.566 (Khesera Forest-7.610 ha. and DLC Forest-8.956 ha.) of forest land and 64.260 ha of non-forest land recorded as Forest as on 25.10.1980 involved in the mining lease area over 169.00 ha, in the 3<sup>rd</sup> renewal of the mining lease, is submitted herewith for approval as per provision under section -2(ii) of Forest (Conservation) Act, 1980 (Amended) in compliance with the guideline issued vide 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.

**Enclosure- Diversion proposal along with requisite documents.**

  
16/7/18  
**Divisional Forest Officer,**  
**Keonjhar Division.**

**Memo No.** \_\_\_\_\_ **/Dated**

Copy submitted to the Additional Principal Chief Conservator of Forests,  
Forest Diversion and Nodal Officer, FC Act O/o the Principal Chief Conservator of Forests,  
Odisha, Bhubaneswar for favour of kind information.

W

**Divisional Forest Officer,  
Keonjhar Division.**