





OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- dfokjr.od@gov.in

Memo No. 5294 /6F-Mining-37/2016 Dated, Keonjhar the 79 August, 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:

Your memo No. 2410 dated 01.08.2018.

With reference to the aforementioned memo on the captioned subject, this is to intimate that *due to typographical error the forest land recorded as forest as on 25.10.1980* was mentioned in the Site Inspection Report, Part-II of the DP & forwarding letter *instead of Non-forest land recorded as forest as on 25.10.1980*.

Hence, the rectified Site Inspection Report, Part-II of the diversion proposal & revised forwarding letter are sent herewith for favour of your kind information and taking necessary action at your end.

Divisional Forest Officer, Keonjhar Division.

Memo No. / Dated.

Copy submitted to the Additional Principal Chief Conservator of Forests (Forest Diversion & Nodal Officer, FC Act), O/o- the Principal Chief Conservator of Forests, Odisha, Bhubaneswar for favour of kind information & necessary action with reference to the memo No. 2411 dated. 01.08.2018 of Regional Chief Conservator of Forests, Rourkela Circle, Rourkela.

Divisional Forest Officer, Keonjhar Division.

SITE INSPECTION REPORT

1.	Name of the Project.	Tiringpahar Iron & Mn Mines (Guruda Block) of M/s TATA Steel Ltd.
2.	Name of District/ Division.	Keonjhar/ Keonjhar Forest Division.
3.	Date of Inspection.	01.07.2018 & 13.07.2018
4.	Name and designation of Inspecting Officer.	Sri Santosh Joshi, I.F.S. Divisional Forest Officer, Keonjhar Division.
5.	Name and designation of the Officers who attended the Inspection including representative of user agency.	Sri Ghanashyam Barik Dy. Range Officer, Champua Range. Representative of the User Agency. Mr. Niranjan Kumar, Mines Manager, Tiringpahar Iron & Manganese Mines of M/s TATA Steel Ltd.
		Mr. Amit Kumar Dubey, Head, Manganese Group of Mines of M/s TATA Steel Ltd.
6.	Legal Status of the Forest land with area Proposed for diversion	Khesera Forest - 7.610 ha DLC Forest - 8.956 ha Non-Forest land recorded as - 64.260 ha Forest as on 25.10.1980 Total - 80.826 ha
7.	If area required for diversion has been demarcated on the ground.	Yes

8. Item wise break up of forest land proposed for diversion.

Sl. No.	Pattern of Utilization	Broken up Non-forest land recorded as Forest as on 25.10.80	Virgin Non-forest land Recorded as Forest as on	Total Non- forest land Recorded as Forest as on 25.10.80	Total Virgin Forest land	Total forest land and Non-Forest land recorded as Forest as on
		(in ha.)	25.10.80			25.10.80
1	Mining (quarry, Float ore)	20.382	9.946	30.328	9.014	39.342
2	Storing Mineral / ore	1.820	8.061	9.881	0.000	9.881
3	Dumping of Over Burden	4.408	16.719	21.127	4.475	25.602
4	Construction of Building	0.406	0.000	0.406	0.000	0.406
5	Road/ Conv.	0.370	0.000	0.370	0.180	0.550
	Corridor/Power					
	transmission line/water					
	pipe line etc.					747
	Sub Total	27.386	34.726	62.112	13.669	75.781
6	Safety Zone	0.000	1.148	1.148	0.810	1.958
7	Green Belt	0.000	1.000	1.000	0.129	1.129
8	Safety Zone involved in approved land.	0.000	0.000	0.000	1.958	1.958
	Grand Total	27.386	36.874	64.260	16.566	80.826

Q	Condition of Vegetation and type of	The forest land applied for diversion is situated in
9.	Condition of Vegetation and type of forest in the applied area.	The forest land applied for diversion is situated in close proximity to Baitarani RF on concerned Toposheet. Therefore, the condition of vegetation has been treated at par with the proximity to Baitarani Reserved Forest. The nearest Reserved Forests come under the group 3C/C2e(iii) Moist Peninsular Valley Sal. The prevailing vegetation consists of Sal and its associates. The principal associates of sal include 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, Treama orientalis, Emblica officinalis, Cassia fistula etc. The shrubs and undergrowth are characterized by Indigofera pulchella, Ardisia solenacea, Flemingia chhapar, 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. Eco Value Class has been treated as "Eco Value Class - I" based on proximity to Baitarani RF and
10.	Position of Wildlife	the canopy density is kept at 0.3 and the prevailing vegetation depicted as "open mixed jungle mainly Sal" on concerned Toposheet. The adjoining Reserved Forest is the dwelling habitat for bear, barking dear, hyena, porcupine and etc. Occasional visit of wild Elephants from the neighbouring state Jharkhand cannot be over ruled. This falls under Elephant habitat zone- 2 as
		mentioned by ORSAC, Bhubaneswar.
11.	Whether the applied area involves any Eco-Sensitive Zone / National Park / Sanctuary.	The applied area does not involve any Eco- Sensitive Zone / National Park / Sanctuary.
12.	No. of trees to be felled and its impact on the eco-system.	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 probability of soil erosion is likely to increase following felling on the undulating topography of the applied area.
13.	Details of broken up land and reclamation done if any.	No area has been reclaimed by the user agency in the broken up non-forest land recorded as forest as on 25.10.1980 (Sabik Forest) i.e. 27.386 ha since the area has not been demineralized and currently mining activities are undergoing. However, stabilization of OB dumps has been taken

		up and the detailed statement showing stabilization of OB dump, submitted by the User Agency, is enclosed herewith as Annexure-IV .
14.	Position of displacement of people and adequacy of rehabilitation, if any.	Not applicable.
15.	Position of rare and endangered species available and importance of the applied area from archeological point of view.	No rare or endangered species is available in the applied area for diversion, but movement of wild Elephants is often witnessed in the adjoining Baitarani RF. There is no archaeologically important monument situated in the area.
16.	Non-forest land selected for Compensatory afforestation has been included in the D.L.C. report or not.	As per report of DFO, Dhenkanal Division and DLC report of this office the Non-forest land selected for Compensatory Afforestation in Keonjhar and Dhenkanal district are not included in the DLC report.
17.	Suitability of the identified non-forest land/ degraded Forest land for Compensatory afforestation.	The Non-Forest Govt. land identified in village Kaliapani under Telkoi Tahasil of Keonjhar district and Asanabahali under Kankadahad Tahasil of Dhenkanal Division in Dhenkanal District is suitable, as per the certificate of DFO, Keonjhar and DFO, Dhenkanal Division respectively.
18.	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	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.

Divisional Forest Officer,
Divisional Forest Officer
Keonjhar Division

PART-II

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

7. Location of the Project/Scheme.

(i) State/Union Territor	y.		Odisha.	-				
(ii) District.			Keonjhar.					
(iii) Forest Division.			Keonjhar Forest Division.					
(iv) Area of Forest land proposed for	l .		and proposed for diversion is 80.826 ha. The detailed pattern of the applied forest land is produced hereunder-					
diversion (in ha.)	SI. No.	Pattern of Utilization	land recorded as Forest	Non-forest land Recorded	Recorded as Forest as on 25.10.80	Total Virgin Forest land	Total forest land and Non-Forest land recorded as Forest as on 25.10.80	
	1	Mining (quarry, Float ore)	20.382	9.946	30.328	9.014	39.342	
	2	Storing Mineral / ore	1.820	8.061	9.881	0.000	9.881	
	3	Dumping of Over Burden	4.408	16.719	21.127	4.475	25.602	
	4	Construction of Building	0.406	0.000	0.406	0.000	0.406	
	5	Road/ Conv. Corridor/Power transmission line/water pipe line etc.	0.370	0.000	0.370	0.180	0.550	
		Sub Total	27.386	34.726	62.112	13.669	75.781	
	6	Safety Zone	0.000	1.148	1.148	0.810	1.958	
	7	Green Belt	0.000	1.000	1.000	0.129	1.129	
	8	Safety Zone involved in approved land	0.000	0.000	0.000	1.958	1.958	
		Grand Total	27.386	36.874	64.260	16.566	80.826	
(v) Legal status of Forest.	1		- d as -	7.610 ha 8.956 ha 64.260 ha				
(vi) Density of vegetation.	ied area for diversions been treated as "End the canopy densing as "Open mixed Jun	co Value Cl ty has been gle mainly S	ass - I" base considered Sal" on conc	ed on proxin at par with eerned Topo	nity to Bather the previous Sheet and	aitarani Reserved railing vegetation d kept at 0.3.		
(vii) Species wise (Scientific names) and diameter class wise enumeration of trees in unbroken/broken area.	Species XXIII.	wise and diamete	r class wis	e abstract	of trees is	enclosed	l as Annexure -	

(viii) Brief note on vulnerability of the forest area to erosion	Soil erosion is likely to increase following felling of trees in the undulating topography.
(ix) Approximate distance of the proposed site for diversion from boundary of forest.	The proposed site for diversion is nearer to the Baitarani Reserved Forest.
(x) Whether forms part of National Park, Wild Life Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. (If so, the details of the area and comments of the Chief Wild Life Warden to be annexed.	The applied area does not form part of any National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. Movement of wild Elephants is often witnessed in the applied forest land and nearby RF. The applied site falls under Lephant habitat zone- 2 as mentioned by ORSAC, Bhubaneswar.
(xi) Whether any rare/endangered/ unique species of Flora and Fauna found in the area if so, details there of	No rare or endangered species is available in the applied area for diversion but movement of wild Elephants is often witnessed in the applied forest land and nearby RF.
(xii)Whether any protected Archeological/he ritage site/ defence establishment or any other important Monument is located in the area. If so, details thereof with NOC from competent Authority, if required. 8. Whether the requirement of forest land as proposed by the User Agency in column 2 of Part I is un-avoidable and barest minimum for the project. If no, recommended area	No archeological/heritage site/ Defense establishment or any other important Monument is located in the area. The forest land, submitted for approval under FC Act, 1980, is in compliance with the guide line 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. Thus, the area applied for is a statutory requirement under FC Act, 1980.
item wise with details of alternatives	

examined.	
9. Whether any work	No violation has been observed in respect of the forest land proposed for diversion
in violation of the	under FC Act, 1980 Tiringpahar Iron & Mn Mines of M/s TATA Steel Ltd.
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	Details of Non-Forest Land - Non-forest land, equal in extent the forest land submitted
	for diversion over 80.826 ha under Sec 2(ii) under FC Act, 1980, will be met from the
compensatory afforestation scheme:	
(i) Details of non-forest	identified and allotted non-forest Govt. land over 13.798 ha in village Kaliapani, Khata
area/degraded forest area	No. 25, Plot No. 238 and 239/294 under Telkoi Tahasil of Keonjhar Forest Division in
identified for	Keonjhar District and non-forest Govt. land over 64.260 ha in village Asanbahali, Khata
compensatory	No. 196, Plot No. 1781, 1782, and 127/2389 under Kankadahad Tahasil of Dhenkanal
afforestation, its distance	Division in Dhenkanal District in favour of Tiringpahar Iron and Mn Mines of M/s Tata
from adjoining forest,	Steel Ltd vide Collector, Keonjhar letter No 2173/Rev dated 26.09.2015 for allotment of
number of patches, size of	13.798 ha of Govt. Non-forest land for Compensatory Afforestation for the balance forest
each patch.	land.
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	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.
	Distance from adjoining forest- 3.00 Km
	Number of Patches – Two
	Size - 78.058 ha.
	Further, for the seedlings of 39373 that cannot be accommodated in the non-forest
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(ii) Map showing non-	Further, for the seedlings of 39373 that cannot be accommodated in the non-forest Compensatory Afforestation land, Compensatory Afforestation scheme over 99.00 ha of degraded forest land 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. Map showing the Non-forest land identified for compensatory afforestation and adjoining
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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	Further, for the seedlings of 39373 that cannot be accommodated in the non-forest Compensatory Afforestation land, Compensatory Afforestation scheme over 99.00 ha of degraded forest land 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. Map showing the Non-forest land identified for compensatory afforestation and adjoining forest boundaries is enclosed as Plate No-IX & XII. Scheme For Compensatory Afforestation, Prepared By DFO, Keonjhar And DFO, Dhenkanal Division, is enclosed as Annexure – XXVIII Series. Rs. 2,82,19,760/- The Non-Forest Govt. land identified in village Kaliapani under Telkoi Tahasil of Keonjhar district and Asanabahali under Kankadahad Tahasil of Dhenkanal Division in Dhenkanal District is suitable, as per the certificate of DFO, Keonjhar
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	Further, for the seedlings of 39373 that cannot be accommodated in the non-forest Compensatory Afforestation land, Compensatory Afforestation scheme over 99.00 ha of degraded forest land 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. Map showing the Non-forest land identified for compensatory afforestation and adjoining forest boundaries is enclosed as Plate No-IX & XII. Scheme For Compensatory Afforestation, Prepared By DFO, Keonjhar And DFO, Dhenkanal Division, is enclosed as Annexure – XXVIII Series. Rs. 2,82,19,760/- The Non-Forest Govt. land identified in village Kaliapani under Telkoi Tahasil of Keonjhar district and Asanabahali under Kankadahad Tahasil of Dhenkanal Division in Dhenkanal District is suitable, as per the certificate of DFO, Keonjhar and DFO, Dhenkanal Division respectively. Further, degraded forest land Renda
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	Further, for the seedlings of 39373 that cannot be accommodated in the non-forest Compensatory Afforestation land, Compensatory Afforestation scheme over 99.00 ha of degraded forest land 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. Map showing the Non-forest land identified for compensatory afforestation and adjoining forest boundaries is enclosed as Plate No-IX & XII. Scheme For Compensatory Afforestation, Prepared By DFO, Keonjhar And DFO, Dhenkanal Division, is enclosed as Annexure – XXVIII Series. Rs. 2,82,19,760/- The Non-Forest Govt. land identified in village Kaliapani under Telkoi Tahasil of Keonjhar district and Asanabahali under Kankadahad Tahasil of Dhenkanal Division in Dhenkanal District is suitable, as per the certificate of DFO, Keonjhar

	T
management point of	compensatory afforestation as per Guideline dated 8.11.2017 issued by MoEF &
view. (To be signed by	CC, GOI.
the concerned Deputy	
Conservator of Forests).	
11. Site Inspection	Site Inspection report of the DCF is enclosed vide Annexure – XXVII.
report of the DCF	
(to be enclosed)	
especially	
highlighting facts	
asked in column 7	
(xi,xii) 8 and 9	
above.	
12. Division/District	830300.000 ha.
Profile.	
(i) Geographical area	
of the district.	
(ii) Forest area of the	336615.6293 ha.
district.	
(iii) Total Forest area	10319.8016 ha.
diverted since 1980	(77 Nos.)
with numbers.	
(iv)Total compensatory	
afforestation	
stipulated in the	
District/Division	
since 1980 on	
(a) Forest land	C.A. 1669.6180 ha.
including	P.C.A. 4994.8675 ha.
Penal	1.C.A. 4774.8075 na.
compensatory	
afforestation.	C A 7047 70211
(b) Non-forest	C.A- 7247.7931ha.
land.	
(v) Progress of	
Compensatory	
afforestation as on	
(date)	C.A. 1152.58 ha.
(a) Forest land	P.C.A. 2996.34 ha.
(b)Non-forest land.	C.A 5983.9016 ha.
13. Specific	Tiringpahar Iron & Manganese Mines of M/s Tata Steel Ltd, granted over 169.00 ha,
recommendation	involves 10.392 ha Revenue Forest, 58.522 ha DLC Forest land, 64.260 ha Non-Forest
of the D.C.F. for	Land recorded as forest as on 25.10.1980 and 35.826 ha Non-forest land. NPV over entire
acceptance or	forest land involved in the mining lease is deposited in Ad-hoc CAMPA as per prevailing
other wise of the	rate. Forest land over 52.348 ha has been diverted under Sec 2(ii) of FC Act, 1980. The
proposal with	instant proposal over 80.826 ha involves 7.610 ha Khesara Forest, 8.956 ha DLC Forest &
reasons.	64.260 ha Non-forest land recorded as Forest as on 25.10.1980 is submitted for approval
	under Sec 2(ii) for non-forest use, as per the requirement of the lessee, 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 and F. No. 8-78/1996-FC(pt.) dt. 30.09.2016 of
	MoEF&CC, Govt. of India in respect of non-forest land recorded as forest as on
	25.10.1980.
	The said managed even 90,926 has in the Country of
	The said proposal over 80.826 ha, is therefore, submitted for necessary approval under Sec
	2(ii) of FC Act, 1980 taking the aforesaid fact into consideration.

Date: 3-8-2016 Place. Keonjhar Signature.
Name: Santosh Joshi, IFS
Divisioffaliflorest Officer
Page 4 of 4 Kecnjhar Division







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

Memo No. <u>5296</u> /6F-Mining-37/2016 Dated, Keonihar the **03**. **0%** 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 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 (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 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 MMDR 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-XXVIV**.

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, Treama orientalis, Emblica officinalis, Cassia fistula etc. The



shrubs and undergrowth are characterized by Indigofera pulchella, Ardisia solenacea, Flemingia chhapar, 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 nearer to the 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-

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

10	Plan showing 13.798 ha of Govt. non-forest land	16" =1 mile	X
	identified and allotted for Compensatory Afforestation		
	(Along with GPS Coordinates) in Telkoi Tahasil of		
	Keonjhar District.		
11	Topo Sheet Plan showing 64.260 ha of Govt. non-	1:50000	XI
	forest land identified and allotted for Compensatory		
	Afforestation in Kankadahad Tahasil of Dhenkanal		
	District.		
12	Plan showing 64.260 ha of Govt. non-forest land	16" = 1 mile	XII
	identified and allotted for Compensatory Afforestation		
	(Along with GPS Coordinates) in Kankadahad Tahasil		
	of Dhenkanal District.		
13	DGPS Map showing the patch wise forest land	16" = 1 mile	XIII
	proposed for diversion along with co-ordinates.		
14	Plan showing the degraded forest land identified in	16" = 1 mile	XIV
	Renda PRF over 99.00 ha for CA.		

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.	Pattern of Utilization	Broken up Non-	Droken un Nen fenest	Total Dualism on Nam
	rattern of Offitzation	•	Broken up Non-forest	Total Broken up Non-
No		forest land recorded	land recorded as Forest	forest land recorded as
		as Forest as on	as on 25.10.1980	Forest as on
		25.10.1980(In Ha.)	located in S.Z.(In Ha.)	25.10.1980(In Ha.)
1	Mining (quarry, Float	20.382	0.000	20.382
	ore)			
2	Storing Mineral / ore	1.820	0.000	1.820
3	Dumping of Over	4.408	0.000	4.408
	Burden			
4	Storing Tools &	0.000	0.000	0.000
	Machinery			
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
	SUB TOTAL	27.386	0.000	27.386
8	Green Belt	0.000	0.000	0.000
9	Safety Zone	0.000	0.000	0.000
	TOTAL	27.386	0.000	27.386



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

S1.	Pattern of Utilization	KF	DLC	Total	Broken up	Virgin	Total	Total Forest	Non-
No.				Virgin	Non-forest	non-	non-	Land and Non-	Forest
				Forest	land	forest	forest	Forest land	Land
				land	recorded as	land	land	recorded as	
					Forest as	Recorde	Recorde	Forest as on	
					on	d as	d as	25.10.80	
					25.10.80	Forest	Forest		
						as on	as on		
						25.10.80	25.10.80	=	
1	Mining (quarry, Float	7.068	1.946	9.014	20.382	9.946	30.328	39.342	5.436
	ore)								
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 &	0	0	0	0	0	0	0	0
	Machinery							.,	
5	Construction of	0	0	0	0.406	0	0.406	0.406	4.658
	Building (Incl.								
	Magazine)								
6	Township/ Colony	0	0	0	0	0	0	0	0
7	Road/ Conv.	0	0.180	0.180	0.370	0	0.370	0.550	0.208
	Corridor/Power								
	transmission								
	line/water pipe line					:			
	etc.								
	Sub-total	7.068	6.601	13.669	27.386	34.726	62.112	75.781	15.869
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
	Grand Total	7.610	8.956	16.566	27.386	36.874	64.260	80.826	17.001

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



Sl.	Pattern of	Broken up	Virgin	Total non-	Total	Total forest	Non-	Grand
No.	Utilization	non-forest	non-forest	forest land	Virgin	land (KF,	Forest	Total
		land	land	Recorded	Forest	DLC &	Land	(in
		recorded as	Recorded	as Forest	land	Sabik		Ha.)
		Forest as	as Forest	as on	(KF &	Forest)		
		on 25.10.80	as on	25.10.80	DLC)			
		(in ha.)	25.10.80					
5	Road/ Conv.	0.370	0.000	0.370	0.180	0.550	0.208	0.758
	Corridor/Power							
	transmission							
	line/water pipe							
	line etc.							
	Sub Total	27.386	34.726	62.112	13.669	75.781	15.869	91.650
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	0.000	0.000	0.000	1.958	1.958	0.000	1.958
	involved in							
	approved land.							
	Grand Total	27.386	36.874	64.260	16.566	80.826	17.001	97.827

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		land recorded		Total Forest	Non- Forest	Grand Total
		KF	DLC	as Forest as on 25.10.1980	Land	Land		
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	
	Total	0.542	2.226	1.148	3.916	2.987	6.903	

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**.

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	Category of Forest	Area applied for	Area as per	Difference	Remarks
No.	Land	(in ha)	DGPS Map		
			(in ha)		
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%↓
	Total	80.826	79.797	-	-

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

ī	Total Mining Lease area	_	169.000 ha
1	e e e e e e e e e e e e e e e e e e e	_	
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	Land Required for Compensatory Afforestation	-	76.910 ha



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 nonforest 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 Divisional 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 deposited by the User Agency in respect of entire forest land included in the mining lease is depicted hereunder-

Sl	Forest Area in ha	Eco	Canopy	The then	NPV Deposited in
No.		Value	Density	applicable Rate	Rs.
		Class		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	I	0.3	730000/-	46909800
	Non-Forest land recorded				
	as Forest as on 25.10.1980				
	Total- 133.174 ha				96283480

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 Regional 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.

S)

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 nonforest land recorded as Forest as on 25.10.1980 involved in the mining lease area over 169.00 ha, in the 3rd 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.

Divisional Forest Officer, AKeonjhar Division.

Memo No. 5297 /Dated 03.08.2018.
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.

> Divisional Forest Officer, %Keonjhar Division.