

**SITE INSPECTION REPORT OF THE REGIONAL CHIEF CONSERVATOR  
OF FORESTS, ROURKELA CIRCLE, ROURKELA**

1.	Name of the Project.	Tiringpahar Iron & Mn Mines (Guruda Block) of M/s Tata Steel Ltd. (Proposal No. FP/OR/MIN/20092/2016, State Sl.No.OR-060/2016 dt. 01.07.2016.)
2.	Name of District/ Division.	Keonjhar/ Keonjhar Forest Division.
3.	Date of Inspection.	28.07.2018
4.	Name and designation of Inspecting Officer.	Sri Lingaraj Otta, IFS, Regional Chief Conservator of Forests, Rourkela Circle, Rourkela.
5.	Name and designation of the Officers who attended the Inspection including representative of user agency.	<p>1. Sri Santosh Joshi, IFS, Divisional Forest Officer, Keonjhar Division</p> <p>2. Sri Ghanashyam Barik, Dy.Ranger, I/c Champua Range.</p> <p><u>Representatives of the User Agency.</u></p> <p>1. Sri Amit Kumar Dubey, Head, Manganese Group of Mines, M/s Tata Steel Ltd., Joda</p> <p>2. Sri S.K.Kabi, Sr. Manager(L&amp;L), M/s Tata Steel Ltd.</p> <p>3. Sri Niranjana Kumar, Mines Manager, Tiringpahar Iron &amp; Manganese Mines, M/s Tata Steel Ltd.</p> <p>4. Sri Anubhab Mishra, Asst. Manager (L&amp;L), M/s Tata Steel Ltd.</p>
6.	Legal Status of the Forest land with area Proposed for diversion	<p>Khesera Forest land : 7.610 ha</p> <p>DLC Forest land : 8.956 ha</p> <p>Non-Forest land recorded as forest as on 25.10.1980: 64.260 ha</p> <p><b>Total: 80.826 ha</b></p>
7.	If area required for diversion has been demarcated on the ground.	Yes

8. Purpose wise break up of forest land proposed for diversion as per the Diversion Proposal.

Sl. No.	Pattern of Utilization	Broken up Non-Forest land recorded as Forest as on 25.10.80 (in ha)	Virgin Non-Forest land recorded as Forest as on 25.10.80 (in ha)	Total Non-Forest land recorded as Forest as on 25.10.80 (in ha)	Total virgin Forest land (in ha)	Total Forest Land and Non-Forest land recorded as Forest as on 25.10.80 (in ha)
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
<b>Sub Total</b>		<b>27.386</b>	<b>34.726</b>	<b>62.112</b>	<b>13.669</b>	<b>75.781</b>
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
<b>Grand Total</b>		<b>27.386</b>	<b>36.874</b>	<b>64.260</b>	<b>16.566</b>	<b>80.826</b>
9.	Condition of vegetation and type of forest in the applied area.	The forest land applied for diversion consists of Sal and its associates. The principal associates of sal include Terminalia alata, Lagerstroemia perviflora, Anogeissus latifolia, Terminalia belerica, Syzygium cumini, Mangifera indica, Schleicheria oleosa. Ardisia cordifolia, Pterocarpus marsupium, Bombax ceiba, Bridelia retusa, Madhuca indica. The middle storey 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 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 caricosum, Cynodon				

		dactylon etc. Baitarani Reserve Forest is the nearest Reserve Forest from the applied forest area. The forests of the applied area can be categorized under 3C/C2e(iii) Moist Peninsular Valley Sal.
10	Position of Wildlife	The applied forest area & the adjoining Baitarani Reserve Forest is the dwelling habitat of Bear, Barking Deer, Hyena, Porcupine etc. Movement of wild elephants is often noticed in and around the applied forest area. As reported by the DFO, Keonjhar Division the applied forest area 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.	As per the report of the DFO, Keonjhar Division, 1243 nos. of sound trees, 700 Nos. of unsound trees and 955 nos of poles below 30 cm girth have been enumerated from the forest area proposed for diversion. The felling of the trees from the forest area will induce soil erosion.
13	Details of broken up land and reclamation done if any.	The broken up Non-Forest land recorded as forest as on 25.10.1980 is 27.386 ha. and the said broken up area has not been reclaimed.
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 noticed in and around the applied forest area. There is no archaeologically important monument situated in the area as per the report of the DFO, Keonjhar.
16	Non-forest land selected for Compensatory afforestation has been included in the D.L.C. report or not.	As per the report of DFO, Dhenkanal Division and DFO, Keonjhar Division, the Non-Forest Govt. land selected for Compensatory Afforestation has not been included in the D.L.C. report.

17	Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation.	Necessary suitability certificates have been furnished by the DFO, Dhenkanal Division and DFO, Keonjhar Division in respect of the Non-Forest Govt. land identified for Compensatory Afforestation.
18	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	As reported by the DFO, Keonjhar Division, no violation has been observed in respect of the forest land proposed for diversion under FC Act, 1980.

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*24/8/88*  
 Regional Chief Conservator of Forests,  
 Rourkela Circle