

## 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. Niranjana 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 Forest as on 25.10.1980 - 64.260 ha <b>Total - 80.826 ha</b>
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 (in ha.)	Virgin Non-forest land Recorded as Forest as on 25.10.80	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 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
	<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.	<p>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 <i>Terminalia alata</i>, <i>Lagerstroemia perviflora</i>, <i>Anogeissus latifolia</i>, <i>Terminalia belerica</i>, <i>Syzygium cumini</i>, <i>Mangifera indica</i>, <i>Schleichera oleosa</i>, <i>Adina cordifolia</i>, <i>Pterocarpus marsupium</i>, <i>Bombax ceiba</i>, <i>Bridelia retusa</i>, <i>Madhuca indica</i>. The middle story is represented by <i>Syzygium cumini</i>, <i>Ougeinia ougenensis</i>, <i>Careya arborea</i>, <i>Treama orientalis</i>, <i>Emblica officinalis</i>, <i>Cassia fistula</i> etc. The shrubs and undergrowth are characterized by <i>Indigofera pulchella</i>, <i>Ardisia solenacea</i>, <i>Flemingia chhapar</i>, <i>Helicteres ixora</i> and <i>Clerodendron viscosum</i> etc. The prevailing climbers include <i>Bauhinia vahlii</i>, <i>Combretum decandrum</i> and <i>Beutia parviflora</i>. The grasses over the forest floor include <i>Chrysopogon aciculatus</i>, <i>Imperata cylindrica</i>, <i>Dicanthium carricosum</i>, <i>Cynodon dactylon</i> etc.</p> <p>Eco Value Class has been treated as “Eco Value Class - I” based on proximity to Baitarani RF and the canopy density is kept at <b>0.3</b> and the prevailing vegetation depicted as “open mixed jungle mainly Sal” on concerned Toposheet.</p>
10.	Position of Wildlife	The adjoining Reserved Forest is the dwelling habitat for bear, barking deer, 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 <b>Annexure- IV</b> .
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,**  
**Keonjhar Division**  
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