

SITE INSPECTION REPORT

1.	Name of the Project.	Bolani Ore Mines of M/s Steel Authority of India (6.90 Sq. Miles).
2.	Name of District/ Division.	Keonjhar/ Keonjhar Forest Division.
3.	Date of Inspection.	01.07.2016 and 02.08.2016
4.	Name and designation of Inspecting Officer.	Sri Rohita Kumar Lenka, 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 Padmanava Rout Range Officer, Barbil Range. Representative of the User Agency. Sri T. K. Roy, DGM, Mining, Mines Manager Sri R. Jena, AGM, E&L
6.	Legal Status of the Forest land with area Proposed for diversion	Non-Forest land recorded as Forest as on/ after 25.10.1980- 124.313 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 (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)	Broken Non-forest land recorded as non- forest as on 25.10.80 (in ha)	Virgin Non-forest land recorded as non- forest as on 25.10.80 (in ha)	Total Non-forest land recorded as non- forest as on 25.10.80 (in ha)	Grand Total (in ha)
1	Old Mining Area (Pits & OB Dumps)	14.55	0	14.55	3.202	0	3.202	17.752
2	Roads, Conveyors, Pipe line & HT/ Power Line	12.051	1.4	13.451	14.623	3.55	18.173	31.624
3	Reject Dumps & Slime pond	23.027	0	23.027	40.683	0	40.683	63.71
4	Plants, Offices & Workshops	39.39	13.1	52.49	7.478	0.5	7.978	60.468
5	Township	20.795	0	20.795	71.978	0	71.978	92.773
	Total Area in Ha.	109.813	14.5	124.313	137.964	4.05	142.014	266.327
	Safety Zone	3.687	11.061	14.748	0.897	21.7	22.597	37.345
	Total	113.5	25.561	139.061	138.861	25.75	164.611	303.672

9.	Condition of Vegetation and type of forest in the applied area.	The applied area is situated adjacent to and in continuum with Karo Reserved Forest which comes under 3C/C _{2e} (iii) moist peninsular valley Sal Forest type under Champion & Seth classification with density 0.3 and site quality- III. The prevailing vegetation consists of Sal and its associates. The principal associates of sal includes <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.
10.	Position of Wildlife	The applied area also witness the presence of wildlife as prevalent in Karo Reserved Forest. Karo Reserved Forest is the dwelling habitat for leopard, bear, barking deer, hyena, porcupine and etc. Occasional visit of wild elephants from the neighbouring state Jharkhand cannot be ruled out. 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 1164 Nos. of sound trees, 195 Nos. of unsound trees and 1080 nos. of poles below 30 cm girth enumerated inside the proposed diversion area of 124.313 ha. The species wise and diameter class wise abstract of enumerated trees is enclosed as Annexure <u>3</u> .
13.	Details of broken up land and reclamation done if any.	Bolani Ore Mines (6.90 Sq Miles) is a non-working mines. Ancillary mining activities as depicted in the land use plan is restricted to the non-forest land recorded as forest as on 25.10.1980 in pursuance of recommendation of the CEC in IA No. 2746-2748 of 2009 communicated dated 07.07.2011. In this backdrop, the user agency has undertaken vide Annexure <u>5</u> to abide the condition to be stipulated as regards reclamation of broken up areas in respect of submitted diversion proposal.
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 diversion area, but elephant movement is often noticed in the area. 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.	Not applicable
17.	Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation.	The degraded forest land identified for CA is suitable for plantation under ANR with Gap Model @200 seedlings per ha.
18.	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	No action in violation of FC Act, 1980 is committed in respect of the applied Non-Forest land recorded as Forest as on 25.10.1980. In addition, it is mentioned that Non-Forest land recorded as Forest as on 25.10.1980, as depicted in the existing land use plan, has been used/ broken as Non-Forest land.


Divisional Forest Officer,
Keonjhar Division