

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

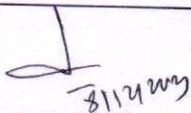
1.	Name of the Project.	Proposal for Diversion of 266.847 ha. forest land (including 6.776 ha. of forest land earmarked for Safety Zone) within Rantha Iron Ore Mines of M/s Odisha Mining Corporation Ltd. (OMC Ltd.). <b>(Proposal No.FP/OR/MIN/ 33970/ 2018, (State Sl. No.OR-017/2020 dt.28.1.2020)).</b>
2.	Name of District/ Division.	Sundargarh/ Bonai Forest Division.
3.	Date of inspection.	05.12.2023
4.	Name and designation of Inspecting Officer.	Dr Arun Kumar Mishra, IFS, Regional Chief Conservator of Forests, Rourkela Circle, Rourkela.
5.	Name and designation of the Officers who attended the inspection including representatives of the User Agency.	<b>1. Sri Susanta Kumar Jena, ACF, Bonai Division</b> <b>2. Sri Nabin Chandra Pradhan, Range Officer, Barsuan Range.</b> <b>3. Sri Gayatri Bala Patra, Forester, Barsuan Section.</b>  <u>Representatives of the User Agency.</u> 1. Sri Pradyumna Kumar Nayak, Regional Manager, OMC Ltd. 2. Sri Arun Balbant Rai, Mines Manager, Kurmitar & Rantha, OMC Ltd. 3. Sri Dileswar Kishan, Sr. Manager, Geology, OMC Ltd. 4. Sri Manoj Kumar Debata, Manager (F&E), OMC Ltd. 5. Sri Tapan Biswal, Surveyor, OMC Ltd.
6.	Legal Status of the Forest land with area Proposed for diversion	Reserve Forest - 195.858 Ha. PRF - 70.989 Ha. <b>Total :- 266.847 Ha.</b>
7.	If area required for diversion has been demarcated on the ground.	Yes
8.	<b><u>Item-wise break-up of forest land proposed for diversion.</u></b>	
	The item-wise break-up of forest land proposed for diversion is as follows;	
	i) Mining	:- 166.555 Ha
	ii) Overburden Dump	:- 53.343 Ha
	iii) Infrastructure and ancillary services (Haul road, mineral stock yard, separation unit, conveyor belt etc.)	:- 33.586 Ha
	iv) 7.5 mt. strip along inner side of the ML boundary line	:- 6.776 Ha
	v) 50 mt. on either side of the perennial nala	:- 6.587 Ha
	<b>Sub-Total:-</b>	<b>:- 266.847 Ha</b>
	vi) Conveyor corridor by OMC (Already approved in a separate proposal)	:- 1.993 Ha
	<b>Grand Total:-</b>	<b>:- 268.840 Ha</b>



9.	Condition of vegetation and type of forest in the applied area.	As per the site inspection report of the DFO, Bonai Division & as per my observation, the density of vegetation is <b>0.75 (Zero point five) (Eco value class-I)</b> . The applied area is composed of Sal ( <i>Shorea robusta</i> ), Sidha ( <i>Lagerstroemia parviflora</i> ), Sisoo ( <i>Dalbergia latifolia</i> ), Amla ( <i>Emblica officinalis</i> ), Kusum ( <i>Schleichera oleosa</i> ), Bara ( <i>Ficus bengalensis</i> ), Harida ( <i>Terminalia chebula</i> ), Bahada ( <i>Terminalia belerica</i> ), Char ( <i>Buchanania lanjan</i> ), Jamu ( <i>Syzygium cuminii</i> ), Asan ( <i>Terminalia tomentosa</i> ), Kendu ( <i>Diospyros melanoxylon</i> ), Mahul ( <i>Madhuca indica</i> ), Kumbhi ( <i>Careya arborea</i> ), Mango ( <i>Mangifera indica</i> ), Achu ( <i>Morinda tinctoria</i> ), Arjun ( <i>Terminalia arjuna</i> ), Bija ( <i>Pterocarpus marsupium</i> ), Chhatian ( <i>Alstonia scholaris</i> ), Gambhari ( <i>Gmelina arborea</i> ), Kasi ( <i>Bridelia retusa</i> ), Khakada ( <i>Casearia elliptica</i> ), Sunari ( <i>Cassia fistula</i> ), Siris ( <i>Albizia lebbek</i> ) etc. The vegetation is excellent in catchment area of Khandadhar Nala around the origin point.																														
10	Position of Wildlife	Fauna such as Elephant ( <i>Elephas indicus</i> ), Sloth bear( <i>Melursus ursinus</i> ), Hanuman langur ( <i>Presbytes entellus</i> ), Indian giant squirrel ( <i>Ratufa indica</i> ), Jungle Cat ( <i>Felis chaus</i> ), Mongoose( <i>Herpestes edwardsii</i> ), Indian Hare ( <i>Lepus nigricollis</i> ), Fox ( <i>Vulpes bengalensis</i> ), Rat ( <i>Bandicota indica</i> ), Wild boar ( <i>Sus scrofa</i> ), Jackal ( <i>Canis aureus</i> ), Indian pangolin ( <i>Manis crassicaudata</i> ), Porcupine( <i>Hystrix indica</i> ), Hyaena ( <i>Hyaena hyaena</i> ), Peacock( <i>Pavo cristatus</i> ) and different types of Snakes and Birds have been recorded from the applied area as reported by the DFO, Bonai Division																														
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.	<p>The DFO, Bonai Division has reported that, tree enumeration has been conducted in 20 nos. of sample plots of 2.0 ha. each within 246.770 ha. of forest land (including 1.993 ha. of forest land already diverted earlier). Trees which are above 30 cm girth have been enumerated in these sample plots and the total count in this regard comes to 13312 nos.</p> <p>By extrapolation of the above said data total 82125 no. of trees (above 30 cm girth) has been calculated. Further, total enumeration of trees have been conducted in the pre-80 broken up area, Safety Zone (7.5 mtr along boundary) and either side of the nala(950 mtr) which comes to 3704 nos. in total.</p> <p>The details of tree enumeration are as summarised below:</p> <table><tr><th>Component</th><th>Total area of tree enumeration conducted (in ha.)</th><th>Sample / Total enumeration</th><th>Each ha. tree comes as per sample enumeration</th><th>Total</th></tr><tr><td>246.770 ha. of forest land (including 1.993 ha. of forest land already diverted earlier)</td><td>246.770</td><td>Sample enumeration over 20 plots @2.0 ha. each</td><td>(13312 nos. / 20 plots / 2 ha.) = 332.8 nos. per ha.</td><td>82125</td></tr><tr><td>Pre-80 broken up area</td><td>8.707</td><td>Total enumeration</td><td>-</td><td>251</td></tr><tr><td>Safety Zone 7.5 mtr. along boundary</td><td>6.776</td><td>Total enumeration</td><td>-</td><td>2103</td></tr><tr><td>50 mt either side of the nala</td><td>6.587</td><td>Total enumeration</td><td>-</td><td>1350</td></tr><tr><td></td><td>268.840</td><td>-</td><td>-</td><td>85829</td></tr></table>	Component	Total area of tree enumeration conducted (in ha.)	Sample / Total enumeration	Each ha. tree comes as per sample enumeration	Total	246.770 ha. of forest land (including 1.993 ha. of forest land already diverted earlier)	246.770	Sample enumeration over 20 plots @2.0 ha. each	(13312 nos. / 20 plots / 2 ha.) = 332.8 nos. per ha.	82125	Pre-80 broken up area	8.707	Total enumeration	-	251	Safety Zone 7.5 mtr. along boundary	6.776	Total enumeration	-	2103	50 mt either side of the nala	6.587	Total enumeration	-	1350		268.840	-	-	85829
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		The abstract of trees enumeration list and species-wise, Class-wise grand abstract of tree enumeration have been enclosed <b>(Page-144-148/DP)</b> . The enumeration list of trees has been enclosed in <b>separate volume/DP</b> .
13	Details of broken up land and reclamation done if any.	As reported by the DFO, Bonai Division, the User Agency has applied for diversion of 266.847 ha. of forest land, which includes 8.707 ha. of pre-1980 broken-up forest area as per Letter No.3467 dt.28.06.2001 of the DDM, Koira.
14	Position of displacement of people and adequacy of rehabilitation, if any.	As reported by the DFO, Bonai Division, the project does not involve displacement of people. Hence, no rehabilitation plan has been envisaged although 2 small camps with hutments are found.
15	Position of rare and endangered species available and importance of the applied area from archeological point of view.	No rare and endangered species have been recorded from the applied area & there is no archaeologically important monument situated in the applied area as per the report of the DFO, Bonai Division but Elephant movement is observed occasionally in the nearby area.
16	Non-Forest land used in the project and Non-Forest land selected for Compensatory Afforestation has been included in the D.L.C. report or not.	The entire ML area comes under Forest category. An area of 19.44 ha. of Govt. non-forest land has been identified in village Tarapadar under Thuamul-Rampur Tehsil, of Kalahandi (S) Forest Division in Kalahandi District and another area of 249.40 ha. of Govt. non-forest land has been identified in village Pami under Baipariguda Tehsil of Jeypore Forest Division in Koraput District for the purpose of Compensatory Afforestation. The said lands have not been included in the DLC report as per the reports of the DFOs concerned.
17	Suitability of the identified non-forest land/ degraded Forestland for Compensatory afforestation.	The suitability certificate is enclosed in the Compensatory Afforestation Scheme.
18	Violation of Forest (Conservation) Act, 1980 if any and action taken thereon.	As per report of the DFO, Bonai Division, no violation has been reported under the Forest (Conservation) Act'1980.

  
Regional Chief Conservator of Forests,  
Rourkela Circle