

SITE INSPECTION REPORT

1.	Name of the Project	:-	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.). Proposal No.FP/OR/MIN/33970/2018 (State SI. No.OR-017/2020 dt.28.1.2020).	
2.	Name of the District / Division	:-	Sundargarh District / Bonai Division.	
3.	Date of Inspection	:-	29.09.2023	
4.	Name and designation of Inspecting Officer	:-	Sri Lalit Kumar Patra, IFS, Divisional Forest Officer, Bonai Division.	
5.	Name and Designation of other officers who attended the inspection including representative of User Agency.	:-	1. Sri Susanta Kumar Jena, ACF, Bonai Division. 2. Sri Nabin Chandra Pradhan, Range Officer, Barsuan Range. 3. Sri Gayatribala Patra, Forester, Barsuan Section. 4. Sri Barun Kumar Jena, Forest Guard Bhutuda Beat. 5. Sri Pradyumna Kumar Nayak, Regional Manager, OMC Ltd. 6. Sri Arun Balbant Rai, Mines Manager, Kurmitar & Rantha, OMC Ltd. 7. Sri Dileswar Kishan, Sr. Manager, Geology, OMC Ltd. 8. Sri Manoj Kumar Debata, Manager (F&E), OMC Ltd. 9. Sri Tapan Biswal, Surveyor, OMC Ltd.	
6.	Legal Status of forest land with area proposed for diversion	:-	Reserve Forest - 195.858 Ha. PRF - 70.989 Ha. Total :- 266.847 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.			
	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.
		Sub-Total:-	:-	266.847 Ha.
	iv)	Conveyor corridor by OMC (Already approved in a separate proposal)	:-	1.993 Ha.
		Grand Total:-	:-	268.840 Ha.
9.	Condition of vegetation and type of forest in applied area	:-	The density of vegetation is 0.75 (Zero point seven five) (Eco value class-I). 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>Albizzia lebbek</i>) etc.	

10.	Position of Wildlife in general	:-	Fauna such as Elephant, Sloth bear, Hanuman Langur, Indian giant squirrel, Jungle cat, Mongoose, Indian Hare, Fox, Rat, Wild pig, Jackal, Indian pangolin, Porcupine, Hyaena, Peacock and different kinds of snakes and birds are noticed in the applied area.																																						
11.	Whether the applied area is involved with any eco-sensitive zone / National Park / Sanctuary.	:-	<p>The applied area is not involved with any eco-sensitive zone / National Park / Sanctuary.</p> <p>The distance of project site from the nearest Protected area (Badrama Wildlife Sanctuary) is 76.55 Kms. The project site is 27.45 Kms away from the nearest Elephant Corridor (Karo-Karampada).</p>																																						
12.	Number of trees to be felled and its impact on the eco-system	:-	<p>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 got enumerated in these sample plots and the total count was 13312 nos.</p> <p>By extrapolation of the above said data total no. of trees (above 30 cm girth) has been calculated and the data has been summarised as follows and also the following total tree enumeration have been conducted in the pre-80 broken up area, Safety Zone 7.5 mtr along boundary and 50 mtr either side of the nala.</p> <table border="1"> <thead> <tr> <th>Sl. No.</th><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> </thead> <tbody> <tr> <td>1.</td><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>2.</td><td>Pre-80 broken up area</td><td>8.707</td><td>Total enumeration</td><td>-</td><td>251</td></tr> <tr> <td>3.</td><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>4.</td><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 colspan="2">TOTAL :-</td><td>268.840</td><td>-</td><td>-</td><td>85829</td></tr> </tbody> </table> <p>The abstract of trees enumeration list in forest area and species-wise, Class-wise grand abstract of tree enumeration have been enclosed (Page-144-148/DP). The enumeration list of trees has been enclosed in separate volume/DP. The density of the vegetation has reported to be 0.75.</p> <p>Enumerated number of trees required to felled in the project area (except safety zone area) implies that the project. As described in Part-II report diversion proposal, due to its fragile eco-system the proposed mining area coming under Khandadhar RF is placed under Protection Working Circle in the current Working Plan of Bonai Forest Division. Further, considering the area vulnerability to present scenario of climate change, soil erosion, catchment area/ origin of the Khandadhar Nalla, livelihood of the downstream people this project will have huge impact on forest, wildlife and socio-economic condition of the local people.</p>			Sl. No.	Component	Total area of tree enumeration conducted (in ha.)	Sample / Total enumeration	Each ha. tree comes as per sample enumeration	Total	1.	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	2.	Pre-80 broken up area	8.707	Total enumeration	-	251	3.	Safety Zone 7.5 mtr. along boundary	6.776	Total enumeration	-	2103	4.	50 mt either side of the nala	6.587	Total enumeration	-	1350	TOTAL :-		268.840	-	-	85829
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13.	Details of broken-up area and reclamation done, if any. (Mining cases)	:-	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	:-	The project does not involve displacement of people.
15.	Position of rare and endangered species available or importance of area from eco-social point of view.	:-	Elephant movement is observed occasionally in the nearby applied area. Importance of area from eco-social point of view is negligible.
16.	Non-forest land used in the project, and non-forest land selected for Comp. Affn. is included in the D.L.C. report or not.	:-	<p>The entire ML area comes under Forest category.</p> <p>An area of 19.44 ha. of Govt. non-forest land identified in village Tarapadar under Thuamul-Rampur Tehsil, of Kalahandi (S) Forest Division in Kalahandi District and an area of 249.40 ha. of Govt. non-forest land identified in village Pami under Baipariguda Tehsil of Jeypore Forest Division in Koraput District for the purpose of Compensatory Afforestation. The said land has not been included in the DLC report.</p>
17.	Suitability of the identified non-forest land / degraded forest land for Comp. Affn.	:-	The suitability certificate of the Compensatory Afforestation area has been enclosed with the Diversion Proposal vide (Page-229 & 253/DP).
18.	Violation of F.C. Act., if any,	:-	No violation has been reported under Forest (Conservation) Act, 1980.


Divisional Forest Officer,
① Bonai Division.