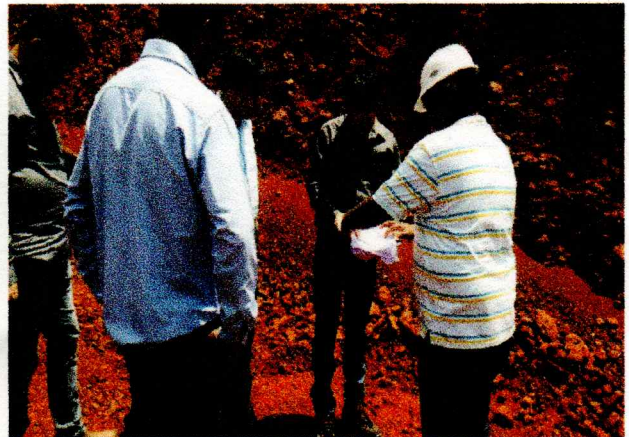


SITE INSPECTION REPORT OF DFO, SARANDA

Full Title of the Project: Baraiburu Tatiba Iron & Manganese Mines of
M/s The Rameshwara Jute Mills
File No. : FP/JH/MIN/25171/2017
Date of Proposal: 25th July 2017

A proposal has been received by this office from M/s The Rameshwara Jute Mills Ltd for diversion of 14.50 ha of forest land for non-forestry (Mining) purpose under FC Act 1980. The project envisages the use of forest land for mining. The site was inspected by the undersigned on 18.06.2018 along with the attached officer(Aviroop Sinha,I.F.S (P)) Saranda Forest Division, concerned Range Forest Officer and other representatives of the user agency.



The mining lease area is surrounded by mining lease area of M/s SAIL (Bolani Iron Ore Mines(Orissa) on South, M/s N. K. P. K Iron Ore Mines on West and M/s Misrilal Jain Mines on North West.

It is an old mine where mining by open cast mechanized method is being practiced. About 38 scattered pits have been developed over leased area. Few pits have reached its ultimate limit and needs lateral expansion for further extraction of minerals while others remain unexhausted and minerals remain to be extracted from the pits.

The Proposed project is site specific. To expand the pits in the existing broken forest area additional forest land in the adjoining virgin forest of the lease area is required.

During the inspection it was found that the lease area and broken area under diversion are separately demarcated with RCC pillars. The lease boundary and broken area boundary have been surveyed with the help of DGPS instrument by the user agency. The position of the pillars was randomly verified with GPS instrument and their location was found correct. The safety zone of width 7.5 meter is existing all along the periphery of lease area.

Study of impact on biotic communities specially the macro flora and fauna should be an essential condition of compliance to be ensured by the user agency with the help of Forest Department. Ameliorative waste management and treatment of waste water should be essentially taken up. As the proposed virgin area has undulating hilly terrain with moderate to steep slopes, soil conservation works throughout the lease hold area need to be taken up. Measures such as

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construction of check dams, garland drain, rain water harvesting plants, plantation on slopes, dump stabilization etc. must be ensured by the user agency.

The area should be opened up for phase wise mining as per requirement and as per approved mining plan. Mining should be followed by appropriate reclamation measures.

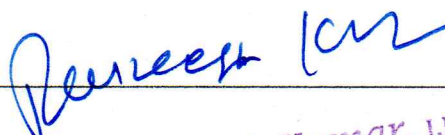
On inspection of the site, it is found that the land required by the user agency, is in Reserve Forest, Protected forest & Jungle-Jhari of total forest land measuring 14.50 ha.

The user agency got forest clearance of 23.233 ha (broken area prior to 25.10.1980) vide letter no. F.No. 10(21) 2-2000-FC(pt) dt. 11.12.2009. There are total 38 smaller mining quarries (pits) which are located in scattered way at different locations inside mining lease area. Now they are planning to merge 25 small broken quarries (granted earlier) in 4 (four) larger mining quarries and for that forest land is required as mentioned in their proposal.


1.	Name of the Project	Baraiburu Tatiba Iron & Manganese Mines
2.	Name of the District/Division	West Singhbhum District, Jharkhand Saranda Forest Division
3.	Date of Inspection	18.06.2018
4.	Name & designation of the Inspection Officer	1. Rajnish Kumar, DFO Saranda Division 2. Aviroop Sinha, (attached Officer, Saranda Division) 3. Sri G. L. Bhagat, (Range Forest Officer, Gua Range)
5.	Name & designation of the other Officer who attended the inspection including representatives of the user agency	1. Sri Awadhesh B Singh. (DGM-Mines) 2. Sri Praween Ku Pradhan (Sr. Manager-Geology) 3. Sri Promad Jena (Sr Manager-Survey)
6.	Legal status of forest land with area proposed for diversion	4.5175 ha Reserve forest 9.8025 ha Protected forest <u>0.1800 ha Jungle Jhari</u> 14.500 ha Forest land The proposed diversion area is situated within compartment no G-32, G-33, KP-36 and Tatiba PF which is within Mining Zone-1 of MPSM. Entire Saranda Forest Division is part of core area of Elephant Reserve. The remaining forest area (except already diverted + proposed area for diversion) shall remain unchanged.
7.	If are required for diversion has been demarcated on the ground	Yes, the area required for diversion has been demarcated on the ground. Details location of the demarcated pillars in Annexure XX of proposal.
8.	Item-wise breakup of the forest land proposed for diversion.	14.200 ha Mining 0.120 ha Infrastructure <u>0.180 ha Road</u> 14.500ha

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9.	Condition of vegetation and type of forest applied area	<p>The project site is mainly sal forest and having density approx 0.7. The Sal forest of Saranda Division confirm broadly to Champion and Seth type 'C2e' Moist Peninsular Sal (Champion's old B III).</p> <p>The proposed area is having undulating terrain with steep slopes at some points.</p> <p>The List of Trees enumeration is attached in proposal as Annexure XXI.</p>
10	Position of Wildlife in general.	<p>The Mining lease area is in Saranda Forest Division which is core zone of elephant reserve vide notification no. Vanya-Prani -33/2000-3640 V.P dt. 26.09.2001 of Forest & Environment Department, Govt. of Jharkhand. As per working plan of Saranda Division, animal normally found in this area are Elephant, Leopards, Bear, Wolves, Wild Boars, Hyenas, wild dogs, Spotted Dears, Sambar, Porcupine, jackal, wild goats etc. However the mining lease area is fenced with barbed wire, also part of the lease boundary is fenced with solar fencing, so larger mammals normally don't enter into the mining lease area.</p>
11.	Whether the applied area is involved with any eco-sensitive area/ national park/ sanctuary	<p>The proposed area is not a part of national Parks, Wild Life Sanctuary, Biosphere Reserve or Tiger Reserve. However, the entire forest of Saranda Forest Division including the proposed mining lease area has been notified as core area of Singhbhum Elephant Reserve vide notification no. Vanya-Prani -33/2000-3640 V.P dt. 26.09.2001 of Forest & Environment Department, Govt. of Jharkhand. The two Elephant Corridors namely Karo-Karampada and Ankua-Ambia as described in a book "Right of Passage -Elephant Corridor of India" [Published by Wild Life Trust of India], lie at a distance of approximately 09 Km and 20 Km respectively from the proposed mining site. The Saranda Forest is considered to be one of the finest habitats for elephants and houses a large population of Asiatic elephants.</p>
12.	No of the trees to be felled and its impact on the systems.	<p>Sal and Non-Sal trees = 683nos Total Actual count of trees has been taken.</p> <p>The List of Trees enumeration is attached as Annexure XXI.</p>
13.	Details of broken up area and reclamation done if any.	<p>23.233 ha of Forest land broken prior to 1980. As mining has been done in shallow depth & mineral deposit still exist, the reclamation work has not been done yet.</p>


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14.	Position of displacement of people and adequacy of rehabilitation, if any	As per FRA certificate issued by District Authority, the proposed site do not comprise of any human habitation so displacement of human population is not involved.
15.	Position of rare and endangered species available of importance of area from eco-social point of view.	Yes. Indian Elephant, Giant squirrel, Reptile, Sloth bear, barking deer, etc. have been reported in the area.
16.	Non Forest land used in the project and non-forest land selected for compensatory Afforestation is included in the report or not.	Non-forest land selected for Compensatory Afforestation has an area of 14.63 ha ,which is situated in Garhwa South Division, as attached in proposal. (Annexure XVI, XXII & XXIII)
17.	Suitability of Identified non forest area for compensatory Afforestation.	Suitability Certificate has been obtained by user agency from DFO Garhwa South Division. (Check List serial no 18. & Annexure XXII)
18.	Violation of Forest (Conservation Act 1980 if any and action taken thereof.	No. activity in violation of Forest Conservation Act has been reported.


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