

SUMMARY FOR ENHANCEMENT OF PRODUCTION OF IRON ORE OF

REDI IRON ORE MINE OF M/S. GOGTE MINERALS

I. INTRODUCTION:

Redi Iron ore Mine of M/s. Gogte Minerals over a lease area of 94.7060 ha which is a private land located in the village Redi, Vengurla taluk, Sindhudurg district of Maharashtra State. Environmental Clearance (EC) was granted for a production of 0.368 MTPA of iron ore from the mine. Based on exploration data and subsequent analysis mineral resources upto 19.283 MT is estimated. It is now proposed to enhance the production to 1.0 MTPA by continuing with mechanized opencast mining without drilling & blasting. It is envisaged that a good demand both for export and for internal consumption for iron ore in near future, hence this enhancement.

II. PROJECT / BACKGROUND INFORMATION:

The project is located at 4.5 km by road from Redi port, which is an unique and peculiar characteristic of this project. Due to the location advantage, it is easy to transport iron ore to the prospective buyers by sea route with less load on the environment. This mine is the only major industry in the Redi village and having potential to employ about 140 people as direct employment and also support allied service industry, thereby reducing the migration of people to metros to seek employment.

III. ENVIRONMENTAL SETTING:

The ML area and its study area of 10 km do not fall in any wild life sanctuary, eco-sensitive areas. Fairly mixed jungle of Sawantwadi reserved forest is beyond 2.5 km in NE direction from ML. A small part of S. No. 234 (old) of ML comes under CRZ, however, approval from MCMZA for mining activity has been obtained vide their letter No. MCZMA 2009/CR 73/TC-3 dated 06.01.2010. Climate is humid tropical with annual rainfall of over 3000mm. Minimum and maximum temperatures are 17.2⁰C & 35.8⁰C respectively.

IV. TECHNICAL DETAILS

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| Location | Latitude : N 15 ⁰ 43'59.7" to 15 ⁰ 44'47.6" Longitude : E 73 ⁰ 39' 49" to 73 ⁰ 41'10.3" |
| Topo sheet No. | 48 E/9, 10, 14 |
| Survey / Gut Nos. | 9, 24, 46 to 48, 50 to 53, 57 to 60, 26, 28, 29, & 32 (new) (234 old), 33 &34. |
| Reserves / Resources | 19.283 MT + 45 % Fe with ore : waste = 1 : 3.4 (avg); 6 (maximum) and 2.8 (minimum) |
| Life of the mine | Life of resources shall be 19 years but as per MMDR Amendment Act, 2015 the balance lease period granted is only 4 years i.e., up to 31-3-2020 |
| Depth of workings | 112 m |
| Water Table | 5.93 m depth in pre-monsoon & 4.72 m in post monsoon. |
| No. of pits | One pit operational |

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| Mining operations : | |
| Drilling | No drilling |
| Blasting | No blasting ripper dozers are used |
| Loading | Hydraulic excavators & wheel loaders |
| Haulage | 10 tonne, 30 tonne & 35 tonne tipper and dumpers. |
| Size classification | Crushing & screening |
| Waste | Waste ratio 1 : 3.4 (avg); 6 (maximum) and 2.8 (minimum) temporary backfilling in Pit No. 203 & and afforestation with local shrubs and grasses. |
| Water Requirement | 212 KLD of pit water & 8 KLD domestic from water treatment plant. |

V. ENVIRONMENTAL CONSIDERATIONS :

Seasonal Baseline data for Ambient Air Quality, Noise Levels, Water Quality and Soil Quality are being continuously monitored and observed to be well within the limits. Measures for environmental management are also being implemented.

VI. SOCIAL IMPLICATIONS:

People in the 10 km radius mostly depend on money sent by the family members working major metros viz, Mumbai, Pune, etc. for their livelihood, as there are no major industries in the area. The operating mines in the area are closed down and also the income potential is gone down. By allowing this project to function the load of migration of people to the metro cities will be reduced.