

Scrutiny Comments on examination of draft Review and Updatation of Mining Plan submitted under rule 17 of MCR,2016 in respect of Hunantlo Dongor Mine of M/s Eco mining & Construction(P) Ltd., over an extent of 33.1173 Ha.in Colomba and Curpem Villages, Sanguem Taluka, South Goa Dist, Goa State.

1. General:-

1.10 As per the enclosed copy of Board resolution document, the board of Directors consisting of five members, whereas the agent is authorized by single director only. The authorization copy of board resolution documents should be given enclosed in further submission.

1.11 The documents for Qualified Persons should be enclosed as per the rule 15 of MCR, 2016.

2. Details of Approved Mining Plan:-

2.10 Review of earlier approved proposals in respect of exploration, excavation, reclamation etc:-

The proposed and achieved details with deviations and reason for deviations for exploration, excavation, reclamation etc. are not discussed.

2.11 The status of revocation from IBM for suspension of mining operation for non-compliance of rule 45 of MCDR, 1988 is not discussed.

3. Geology and Exploration.

i) Under details of sample analysis the number of samples analyzed with type of sample should be given in detail.

ii) The exploration proposals should be given year wise and entire mineralized area should be explored under G-1 level If exploration in the grid pattern based on the nature of the deposit as per Minerals (Evidence of Mineral Contents) Rules 2015. The manganese ore zone should explored in closer interval as per the discussion during filed visit. The exploration proposals should be modified accordingly.

iii) From geological plan and cross sections it is observed that in manganese ore zone quantity of ore is estimated under 111 and 122 level of UNFC

classification even though the exploration is not carried out in the regular grid interval. The grid interval of exploration where manganese ore is estimated under 122 category is more than 100mtr, so the reserves under 122 needs to be re-estimated under remaining resources. Further lateral extension cannot be taken for estimation of ore under 111 or 122 category. So reserves where extension is taken needs to be re-estimated under resource category.

iv) Boreholes are not properly projected. In some of the boreholes it is observed that even though analysis is shown negative for iron ore reserves are estimated under 111 category refer section C-C' Bh-08, The lithology marked on the section based on borehole data is not matching with borehole logs. So Reserves/resources need to be re-estimated by taking correct exploration data. In some sections it is observed that ore body depth is shown more compare to lithology mentioned in the borehole logs.

v) The date of reserve estimation should be as on 01.04.2017.

4. Mining-Open Cast Mining:-

4.10 The proposal for production and development should be restricted within the area classified under the proved reserves categories as per the MEMC Rule 2015. The areas proposed for production of Manganese Ore are not supported by the area under proved reserves categories.

4.11 The Iron & Mn proposal should be given based on capping of said mining lease as per the directives of Hon'ble Supreme Court order for the State of Goa. A year wise working detail for Manganese Ore (refer page 25,table 22) is not as per the distribution of production capping allocated by the Directorate of Mines & Geology, Govt. of Goa.

4.12 The location of proposed dumping should be modified by leaving statutory barriers from the public tar road.

5. Others:-

5.10 Employment Potential:- The employment of Mining Engineer and Geologists for the purpose of carrying out prospecting or mining operations shall be in accordance with the rule 55 of MCDR,2017. The compliance of above said rule should be discussed in accordance with the proposal given in table 33, page39.

6. Impact Assessment:-

6.10 Page no.43, table 37, showing the Land use details for existing and at the end of plan period. The year wise dumping were proposed in the approving documents, whereas the reduction of existing dumping area was proposed in the tables 37 & 39. The dumping parameters should be suitably discussed in the further documents.

7. Geological plan and cross sections:- i) Collar Level, depth and inclination of the drilled boreholes to be mentioned on cross sections. ii) Lithology should be marked as per the chemical analysis obtained for the boreholes.
