

Scrutiny comments on examination of Modifications to the Approved Modified Mining Plan with PMCP in respect of Sailetembo (Suctolim) Iron Ore Mine (T.C.No.143 of 1953) of M/s. Sociedade Timblo Irmaos Ltda., Represented by M/s. Panduronga Timblo Industrias, over an area of 99.0305 Ha. situated in Sangod Village, Dharbandora Taluka, South Goa District of Goa State submitted under Rule 17(3) of MCR'2016 for enhancement of production.

Cover page-The approval period of document should be from 01.02.2017 to 31.03.2017 as the DMG, Goa issued letter for enhancement of production on 25.01.2017.

Details of approved MP/SOM- (i) The review chapter should be discussed in brief till date or Feb., 17. (ii) The production & development quantity, sub-grade; mineral rejects & dumps recovery achieved up to date in financial year 2016-17 should be given separately based upon monthly return submitted to IBM only. (iii) it should also be discussed in brief regarding ROM production achieved till date & remaining cap quantity to be achieved in March 2017.

The quality of mineral stock or unfinished ore stock available with in lease area should be given in tabular form as on 01.2.2017 with tentative grade.

The copy of latest violation pointed out & their compliance should be discussed in review chapter for the change of place of working, exploration, with valid justified reason. Appointment of mining engineer & geologist should be discussed under provision of MCDR, 1988.

Mining- As discussed during inspection-(i) The targeted quantity of production for the year 2016-17 & remaining quantity to be achieved with in short span of time i.e. March' 17 needs optimization of man & machinery & proposed no of working faces ,shifts, advancement of faces & effective working hours/shift etc. should be discussed.

The total tonnage quantity details of proposed ROM should be given section wise & level wise in tabular form. The plan & section should be given in UTM co-ordinates instead of local grid. It needs correction.

The present mine workings/excavation of ROM is being carried out & further location of proposal of ROM quantity should be in G1/G2 level of exploration only as per provision of MEMC Rule 2015. It needs correction as advised during inspection.

The proposed mine workings/ dumping/stacking should be 100m away from existing pit edge as per DGMS guideline. The UPL should be modified by leaving statutory barrier of nallah, road, HT power line etc.

All relevant table & text should be discussed & modified based upon above scrutiny. The remaining proposal will be same as earlier approved modification in mining plan approved by this office recently.

Plan & sections: *All relevant plan & sections, Surface plan, Production & development plan, Conceptual plan should be updated & modified & highlighted the proposed working to be carried out in March, 2017. The features outside lease are not required. The relevant table & text should be updated & modified based upon the modified/enhancement of production & development proposals.*

1. Geology and Exploration

- i) In the approved modified mining plan there is a proposal to drill 12 boreholes in the year 2016-17 to a depth of 600mtrs and 12 boreholes to a depth of 600 mtrs in the year 2017-18. However during field visit it was observed that proposed exploration for the year 2016-17 is not started so far and in the draft copy only 12 core holes to a depth of 600mtr is proposed in the year 2017-18. The drilling proposals given in the approved modified mining plan should be achieved completely in the remaining plan period without reducing the number of boreholes and meterage.
- ii) Under the geology of the lease area the ratio of Lumps and fines in the ROM for the different types of ore needs to be discussed based on the tests conducted.
- iii) Compared to last approved document proved reserves increased without carrying out any exploration needs to be justified. Further it is observed that remaining resources were decreased where there are no proposals in the approved mining plan for producing ore from the area where ore is estimated under remaining resources. The reserves/resources given in the table are incorrect and need to be corrected.
- iv) Detailed calculation should be given for re-estimated reserves/resources.

Plates:-

Geological plan and cross sections: - Dip and strike is not shown on the geological plan.

- ii) All the proposed boreholes should be marked on the Geological plan.
- iii) Bench profiles needs to be rechecked and corrected.
- iv) Litho units marked on Geological plan and cross sections are mismatching.