

**SCRUNITY COMMENTS OF REVIEW AND UPDATION OF MINING PLAN IN RESPECT OF SONDENAHALLI IRON ORE MINE OF M/S TUMKUR MINERALS PVT. LTD., M. L NO. 2175, OVER AN AREA 64.35 HA.( AS PER LEASE DEED), IN SONDENAHALLI VILLAGE, CHIKKNAYAKANAHALLI TALUK, TUMKUR DISTRICT OF KARNATAKA STATE. THE FIVE YEARS PERIOD IS FROM 2018-19 TO 2022-23. CATEGORY OF THE MINE IS A(FM-FULLY MECHANIZED), NON-FOREST LAND.**

**COVER PAGE**

1. Name of the document to be corrected as 'Review and Updation of Mining Plan', under Rule as 17(1) of MCR, 2016, and not rule 17(2).
2. Proposed Period of the document should be mentioned in the cover page as 2018-19 to 2022-23.
3. ML area as per the original grant and as per the CEC sketch should be mentioned separately in the cover page.
4. Mine code, type of the land, registration number under rule 45 and category of the mine should be mentioned in the cover page.
5. Names and Qualifications of the Qualified Persons are not mentioned.

**INTRODUCTION**

6. Status of other statutory clearances like EC and FC, specific orders / guidelines or notifications received from DMG, Govt. of Karnataka and other regulatory bodies time to time pertaining to this ML may be discussed in this chapter briefly with supporting documentary evidences. Reason for non-working of the mine should be mentioned.
7. Since the ML period was expired on 10.11.2013 (as per ML deed), it is to be clarified whether ML period extension upto 10.11.2043 been obtained by the lessee or not from the State Govt. of Karnataka.

**LOCATION AND ACCESSIBILITY**

8. Para 2.0 (a): ML period should be corrected as 10.11.2013(20 years from the date of grant) and upto 10.11.2043, as per the MM (D&R) Amendment Act, 2015.

**DETAILS OF APPROVED MINING PLAN**

9. Para 3.1: Period of the last approved documents may be furnished.
10. Para 3.3: All reviews in respect of excavation, reclamation etc., review positions may be given from 2013-14 to 2017-18 (upto 31.03.2018). Reason for non-working of the mine should be mentioned.
11. Progress of R & R implementation work as on date should be discussed at the end of this chapter in a tabular format.

**PART-A**

12. Para1.0 (i): Reason for nil exploration proposals should be duly justified in this para. It is to be noted that entire potential mineralized area within the lease should be explored by detailed exploration (G1 stage) in accordance with Rule 12(3) of MCDR, 2017.
13. Para1.0 (k): Section wise detailed estimation of reserve and resources should be furnished in this para. Consideration of bulk density and recovery% of iron ore should be duly justified here. Recovery of float iron ore is considered on higher side as 60%, this should be substantiated by recovery analysis.

14. Para 1.0 (1): Date of estimation of category-wise reserve and resources should be updated as on 1/4/2018. In the light of the above remarks, the text paras may be attended, wherever applicable.
15. Para 2A(a), From the topic it is expected to brief on the existing and the proposed method of mining in future as per the proposed period, but the same is not attended as expected. Further, the slope of faces, direction of advancement, approach to the faces & specification of roads, etc to be indicated. Also, the existing dumps spread parameters, height, slope protective works etc., to be indicated. In the light of the above remarks, the text and the plates may be attended, wherever applicable.
16. Table no.13, wherein the column between 2 to 7, the grade of ores indicated +60%Fe & +55-60%Fe, but not indicated what type of ores, which ought to have been for understanding. In the light of the above remarks, the text paras and tables may be attended, if applicable.
17. Para 2 A(a) II, though there is no re-handling proposals during the current proposal period, whether, there is any chance to recover such materials in future if any may be indicated.
18. Para 2A(a)(C), the proposals submitted reveals selective mining, leaving the middle portion of the workings, which must be reconsider to work at the middle portion of the main pit as exploratory mining for more clarity at the depth of the ore body, before taking final decision on future mining, since the mining lease period is up to 2043. The text paras and the plates may be attended accordingly, wherever applicable.
19. Para 4.0(c): Nos. of dump present in the ML area with extent and height may be furnished in this para in a tabular form. Sequence of year wise build up of waste dump and environment protective measures viz. construction of retaining wall, garland drain, silt settling tank etc. to prevent escape materials from the 'waste dump' should be furnished in this para in a tabular format.
20. Para 8.1: (i) Proposed sampling stations of air water, noise and soil (core& buffer Zone) may be given in this paragraphs in a tabular form.(ii)Year wise plantation details with area, no of saplings, species proposed and expected survival rate may be given in a tabular form.
21. Para 8.3.5: In 'summary of year wise proposal for item no. 8.3' individual proposals from F.Y. 2018-19 to 2022-23 are not given (ref. table-38).
22. Para 8.6: In financial assurance table, 'area pit on use at the start of the plan' should tally with the total ML area granted, extent of unused virgin land (in Ha.) is not mentioned in the table. The extent of land falls in the road is not indicated. No additional waste dumping area has been identified in the Financial Assurance table, please clarify. Copy of the valid bank guarantee, valid up to 31.03.2023 should be enclosed with the document.

## **PART-B**

### **23. Para 10, PLATES:**

- a) Surface Plan (Plate No. 4): This plan should be duly signed by the surveyor. Extent of existing mine pit and waste dump should be demarcated clearly in the plan.
- b) Development & Production Plan & section (Plate No.7A-2018-19): The development and the production plan should be attended as discussed during the field inspection and also the comments offered in the mining chapters. As the proposals to work on both the ends as per the plan, leaving the middle portion of the main pit is not appropriate. It is required to work even in middle of the main pit to understand the ore at depths, which will help for future planning for scientific and systematic workings up to 2043. In the light of the above remarks, the remaining development & production plan and sections may be attended suitably.
- c) Environmental Plan (Plate no. 8): Proposed air, water, noise level and soil sample monitoring stations should be demarcated in this plate. Two seasonal waster sample monitoring stations should be proposed along the nallah passing though north eastern side of the ML (one each for upstream and downstream).

d) Conceptual Plan & Section (Plate No.10 & 11): The plan and sections should be attended in line with the scrutiny comments given in the mining chapters. Besides, the position of workings should be brought out, what would be position of workings at the end of the lease period or at the close of the mine. Further, the index given for the period 2018-23 to 2043, where the period wrongly given 2033-43, should be corrected.

24. **Para 11, Annexure:** Avoid any type of stamping in the annexure, following items are required to be annexed with the document: List of annexure must be added with additional column indicating the

- a) Copy of the chemical analysis report of the borehole samples from NABL or similar accredited laboratory, at least for 10% of the samples.
- b) Copy of the NABL accreditation of the laboratory.
- c) Copy of the drilled borehole logs.
- d) Copy of the chemical analysis report of siliceous iron ore from NABL or similar accredited laboratory.
- e) Recovery analysis report of float iron ore.
- f) Few photographs of mine pit, waste dumps and exiting infrastructures.
- g) Copy of valid Bank Guarantee, valid up to 31.03.2023.