

SCRUTINY COMMENTS ON THE REVIEW & UP DATION OF MINING PLAN OF AARPEE IRON ORE MINE OF SMT. R. MALLAMMA, M. L. NO. 1806, OVER AN AREA OF 57.61 HA AS PER CEC, IN JAMBHUNATHA VILLAGE, HOSPETE TALUK, BELLARY DISTRICT, KARNATAKA STATE. SUBMITTED FOR APPROVAL UNDER RULE 17(1) OF MCR, 2016. PERIOD FROM 2018-19 TO 2019-20 (31.03.2020). CATEGORY OF THE MINE IS A(FM-FULLY MECHANIZED), OPEN CAST MINE. NON-CAPTIVE, RESERVE FOREST. DATE OF EXPIRY OF THE MINING LEASE IS 31.03.2020.

TEXT:

1. On the cover page, the forest area/ land given need to be specific, what is the name of reserve forest for reference. (ii). The category of the mine is given as B-(Fully mechanized, instead of A (FM-Fully mechanized). (ML. No. of the mine need to be marked.

2. Annexures, whatever the annexures enclosed are required to indicate with the date of each letter and other reference numbers for reference. The annexures enclosed must be legible for reading.

3. Introduction: The annexure-II, enclosed in the document need to be rechecked, since that is for afforestation purpose and not the one claimed for. (ii). The previous approved document is for the period up to 2006-07 to 2010-11 only, what is the reasons for not having the valid document for the later period may be explained. But in the introduction part it is mentioned about one year of 2011-12 only. (iii). The boundary pillars mentioned in the text need to be enclosed with photographs, instead of single pillar in the annexure side. Few more mining pits, core zone area and the buffer zone area may be brought out through photographs.

4. In table no.2, only two ground control points furnished, what happened for the 3rd one may be explained.

5. Para 2.0(b), table no.4, type of land details, RF of 57.61 ha is indicated, but what is the name of the RF may be mentioned. In the light of the above remarks, the text and the plates may be attended and corrected, wherever applicable.

6. Para 3.3, under details of exploration, whatever the bore holes drilled in the ML area are not shown in the geological plan/ sections for reference. (ii). In the same para, under development & production, the different four blocks mentioned in the text, need to be marked on the surface plan with clarity for understanding. (iii). The note given below the table No. 9, need to be more informative, the reasons given is not complete, is there any other problems like FE/ EC etc., may be given.

7. Table no.11, the summary of exploration furnished within the retained area only, how about in the other two blocks also may be furnished. Besides, all the bore holes drilled in the form of core drills need to be depicted in respective geological plan for future reference. (para 1(g), may be reconciled.

8. Para 1(i), wherein it is given that complete area has been explored, hence no proposals for the next ensuing period, if it is so, up to what is the depth of the drill holes that has been established may be indicated for reference.

9. Para 1(J), under reserves & resources, it is mentioned cut of grade of 64%Fe, further, in the below pages, it is given cut-off grade +45%Fe, wherein the reserves/ resources have been calculated.

Therefore, the para need to be attended appropriately. (ii). The reserves / resources updated or brought out as on 27/10/2015 in different tables must be reconciled and update as on 1/4/2018. (iii). The recovery percentage shown as 90% is on higher side, must be checked and reconciled, other related para of the text must be attended in line with the scrutiny comments. (iv). The common boundary permission obtained from the DGMS must be enclosed in the annexure for reference.

10. Para 2.0 A (a): Existing method of mining practice viz. dimensions of working pits, bench parameters, overall and individual pit slopes, dump configuration and existing slope etc. should be discussed in this para. Similarly, the proposed method of excavations is also to be discussed in similar manner. 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. The bench wise, mRL wise, opening reserves, exploitation and the closing balance should be furnished for the proposed periods

11. Para 2A(a)(3), under production capacity based on infrastructure facilities, it is mentioned alternative road facility approvals will be obtained. Is there any time limit/ period for which the clearance anticipated may be given.

12. Para 2(b), table no.26, reveals the nil production, if it is so, is there any other movement of ore from the mine / ML. No. in the form of ROM/ fines through e-auction during this period 2018-19 & 2019-20 may be indicated as foot note, for reference.

13. Para 2II, under dump re-handling, in table no.27, nothing has been furnished, except nil, which must checked and given with the quantity of materials available for the record and future reference.

14. Para 2(e), this para & other related pars if any, need to be attended in line with the remarks, furnished in the para 2A.

15. Para 2(f), need to be attended in line with the above paras remarks in para 2A respectively. (ii). The table no.30, wherein it is given that, 3.5 ha area is for mineral storage, whether this is going to be same even in the end of this present ensuing period or even in conceptual stage, may be checked and reconciled. During the field inspection, it was discussed that, there is a chance for e-auctioning of existing ROM/ old stacks, etc., it is so, what is the possibilities of removing the materials through auction, than the extent of 3.5 ha will be free, and need not show in the conceptual period.

16. Para 7(b), need to be furnished as per the format guidelines only.

17. Para 8, Table no.64, need to be checked in line with the remarks given in the above paras for correctness of the document. Similarly, table no.65 may be attended. Copy of the latest financial assurance should be enclosed.

18. Table no.72, the details furnished in this table is not appropriate and correct. This needs to be re-checked with the scrutiny comments offered. The mineral storage area is 3.5 ha will be possible to

remove same through the e-auctioning, if it is so, this part to be re-checked and furnish the correct figures. Necessary correction if any need to be dealt with.

19. The photographs enclosed in the annexure part need to be given with the name of the mines and the lessee name for clarity.

PART-B

20. Key Plan (Plate No. 1): The approach road to the ML area with approximate distance from the known place may be indicated on the plate. The boundary line drawn to indicate the ML area is for the 57.61 ha area only or for the 101.50 ha, may be clarified.

21. Surface Plan (Plate No. 3): Surface plan, should be prepared as per rule 32(a) of MCDR, 2017. (ii) The pits which are coming under the each block must be depicted on the plates. Similarly, all the stacks of low grade & subgrade which are identified for e-auctioning through DMG/ Mahazar committee of Karnataka if any may be demarked on the plan without any confusion. The quantity of materials present in each stack may be quantified and mentioned in the text also in the plates.

22. Geological Plan (Plate No. 4): the UPL (ultimate pit limit marked on the plate need to be rechecked and drawn correctly. Only DTH drill holes are marked on the plan, whereas the core drill holes are not marked. (ii). The quantity of ore present in each stacks need to be mentioned in the text and the plates. The mineralized area in support of the reserves/ resources may be demarked with suitable color codes easy reference and identification. (iii). The area ear marked for the active dumps and for inactive dumps need to be marked appropriately.

23. Geological sections (Plate No. 5): The core bore drilled in the ML area need to be shown in the sections, instead of DTH holes only. The ultimate pit slopes also need to be revised after marking the core bore holes.

24. Development & Production Plan & Section (2018-19 to 2019-20): Though the CEC not allotted production capacity for the ensuing years, and the lessee shown the desire to work by getting approval from the authority, if it is so, the proposals should be drawn tentatively and enclose in the proposed document.

25. Conceptual Plan & Section (Plate No. nil): The plan and the sections should be prepared in such a way to present the position of workings at the time of conceptual stage/ expiry of lease period, which must be brought out suitably. (ii). The plan and the sections should be attended in the light of the remarks furnished in the text part also, while preparing these plates suitably. Plate may be allotted number.

26. Reclamation Plan (Plate No.): This plan also should be attended in line with the above remarks.