

SCRUTINY COMMENTS ON THE MODIFICATION TO THE APPROVED MINING PLAN OF RAMANAMALAI IRON ORE MINE OF M/S VEERABHADRAPPA SANGAPPA & COMPANY, OVER AN AREA OF 51.00 HA AS PER THE LEASE DEED & 53.16 HA AS PER THE CEC SKETCH, M.L. NO. 2296, IN VILLAGE R.M. BLOCK SANDUR TALUK, RAMGAD RANGE RESERVE FOREST, IN BELLARY DISTRICT, KARNATAKA STATE. SUBMITTED UNDER RULE 16(1) OF MCR, 2016 AND FOR APPROVAL UNDER RULE 17(3). CATEGORY OF THE MINE IS A (FM-FULLY MECHANISED MINE, THE MODIFICATION PERIOD IS FROM 2016-17 TO 2019-2021, (EFFECTIVE FROM SEPTEMBER, 2016-17 TO 2020-21).

COVER PAGE

1. The present document should be corrected as, submitted under rule 16(1) and for approval under rule 17(3) of MCR, 2016. In the light of the above remarks, the text para, annexures and the plates, wherever applicable may be corrected.
2. The RQP certificate number indicated may be deleted and replaced with qualified person in the all the place of the text and the plates, wherever applicable.
3. The period of submission given as 2016-17 to 2050-51 is uncalled for, since the ML period is furnished as MMDR Amendment of 2015. However, the present document is submitted for review of the document for the period from 2016-17 to 2020-21(effective from September, 2016).
4. The Forest land should be written as Ramgad Reserve forest, instead of just forest land.

GENERAL

5. In the introductory chapter, the present modification is for enhancing the production only and not for the enhancing the reserves/ resources must be emphasized clearly, since the same was enhanced in the previous document approval vide letter dated 24/2/2016. But, the same is not dealt with clarity. Though it is mentioned in para 3.2, briefing in the introductory part is a must.
6. The list of annexures furnished in the table, may be added with number pages in each annexure for reference.
7. The certificate from the applicant must be replaced with lessee. The rule mentioned must be attended in line with the scrutiny comments given in Sl.No.1. The extent of the area should be written as per ML deed 51.00 ha and as per CEC sketch is 53.16. All the activities should be restricted within the CEC limit.
8. Annexure-IVA reveals the production enhancement from the state Govt., but from the CEC, there is no such letter, which ought to have been for reference.
9. Annexure-VIII may be deleted from the list and replaced with the educational qualification certificate and experience certificate as rule 15 of MCR, 2016.
10. Annexure-X, may be added with name of the mine & lessee and also in other photographs enclosed as annexure for clarity.
11. The production schedule furnished in feasibility report of annexure-XIII must be attended with change in production proposals w.e.f. September, 16-March,17 and not from May,16. In the light of the remarks, the text related tables and the plates if any may be attended and changed suitably.
12. Annexure-XVIII, on production & development must be placed in the main text itself, instead of annexure side.

13. In table-2, the details of R & R work to be done in the ML area are given in table with years, which need to be given in financial year, from 1st year onwards as pertaining to the current submission period.
14. In table-3, the date of MMP is given with date, which must be added with the period from 2016-17 to 2020-21.
15. In para 1(f), the name of the Qualified person should be considered, instead of RQP. The certificate number and the date, etc., may be deleted.
16. In para 2(a)(III), the date of grant of lease is given, along with that, date of execution of the lease may be given.
17. In para 2(b), it is given Ramgad Reserve forest, whereas in other place it is given Ramanamalai Reserve forest, and some other place just forest, which must be given with correct name.
18. In para 2(C), regarding three ground control points, better to have some permanent structures around the ML area/ mines, instead of creating cement pillars.
19. In para 3.3(a) & (d), the production achieved up to August,2016 may be given, instead of April, similarly in reclamation & rehabilitation up to August, 2016.
20. In para 3.6, it is required to indicate document submitted under rule 16(1) and for approval under rule 17(3) of MCR, 2016. In the light of the above remarks, the text must be attended, wherever applicable.

PART-A

21. Para 1.0 (e) (iii): Total nos. of drilled core boreholes and meterage as specified in this para are not tallying with table-8, please clarify. Besides, in table-8, the period for 2015-16 also may be added, instead of upto 2014-15.
22. Para 1.0 (l): level of exploration should be corrected as G1, G2 and G3. Accordingly, table 12 may be corrected. Extent of non-mineralised area in Ha. may be furnished here.
23. In 1(l), in table-11 & 12, the reserve/ resources updated indicated as on 18/3/2016 & 20/01/2016, instead of that, it should be given for upto August, 2016.
24. In para 2A(a), it is given in annexure-XVI, the mine workings, waste dumps, stacking of fines, lumps other infrastructure may be added for more clarity. Besides, in para 2(b), the tentative excavation given in table may be attended and furnished w.e.f. September,16 to march,2017, instead of from May,16 to march,17, on pro-rate basis, limiting to the 1.1 million tonnes production as per the CEC approval. In the light of the above remarks, the text paras and the plates may be attended, wherever applicable. Para 2(e) may be attended. Further, taking fines & lumps ratio basis may be narrated and the basis of taking 95% recovery may be dealt.
25. In para 2(b), the bench height and the width proposal is not appropriate, which should be corrected, by specifying the width of the bench as 12-14m, since the strata/ deposit is of friable and soft in nature. Besides, para 2(e), it is mentioned that the top 3 benches will be worked with 3.5m width & 7m height is not appropriate and correct, same thing to be reconciled by proposing the appropriate width. Table-15 should be furnished accordance with standard guidelines. Year-wise proposed quantity in tonnes (mentioning applicable bulk density for each case) should be furnished in a separate table. 5% intercalated waste,

represented by thin clay bands within the ore body, should be included in 'total waste' column. As no 'sub-grade or mineral reject' is being generated in the mine hence 'mineral reject' proposals column may be furnished as 'nil'. However, it is to be mentioned in this para that, if any sub grade ore/mineral reject generates in the mine in any unusual circumstances, it would be stacked separately for blending purpose. Table-22 may be attended in line with the above comments.

26. In para 2(f), in table-17, need to be attended and modified the period of proposals from August, 2016 to March, 2021 and the production reported should be with pro-rata basis. Accordingly the development calculations need to be rectified with the change in the production.
27. Para 4.0 (a): Disposal of BHQ (+35% to 45% Fe) and dumping of 'leftover total waste' should be discussed here. Table-22 may be corrected accordingly. Location of year-wise disposal may be demarcated in the Production and Development plans. The period of the proposals should be indicated from September, 2016-17.
28. In para 7(b), the mine mate details given, in addition foreman details may be furnished.
29. In para 8(A), the date of grant, opening & execution should be given exactly.
30. In para 8.3.1, under mined out land, the proposals for reclamation and rehabilitation of mined out land is not described. However, the conceptual plan and sections were attended for reclamation and for rehabilitation during the conceptual period.
31. In table-31, the period May 2016-17 may be changed to September, 2016-17 onwards, and corrected accordingly in the relevant tables.
32. Para 8.6: Inputs in 'area put on use at the start of the plan' column should be corrected in accordance with the latest survey/ surface plan. Since 'additional area requirement' is proposed for mining, dumping and R&R activities during the balance period of the Plan, an additional Bank Guarantee, valid till 31.03.2021 is required to be enclosed with the document. The area put on use at the start should be indicated with September, 2016 and the figure should be indicated accordingly & in column -4, it should be Sept, 16 to March, 2021.

PART-B

33. Key Plan (Plate No.1): The approach road to the ML area need to be indicated with approximate distance from a known place.
34. Surface Plan (Plate No.3): The position of present workings and non-workings, stacking's of fines and C-ore, spot heights and R & R activities need to be updated. Enhancement of area between ML deed and CEC sketch (i.e. 2.16 Ha.), may be demarcated in the surface plan. In the light of above remarks, the other plates may be attended, wherever applicable.
35. Geological Plan & section (Plate No. 5): The Ultimate pit limit should be marked in the plan, but in the geological sections, it should be ultimate pit slope, the same need to be corrected. The date of survey is given as 18/3/2016, should be updated up to August, 2016. The north direction indicated should be true north or Magnetic north. In the light of the above remarks, all the plates may be attended accordingly.

36. Pit Layout Plan for 2016-17 (Plate no. MP. 6A): the pit lay out position at the end of may 2016-17 is indexed, which need to be corrected as march 2016-17. The proposal made to work during the 1st year on the southern end and also on the western side is accepted, but the remaining years of proposal for development and production should be concentrated to develop along the strike length, instead of developing across the strike line. Similarly, the 4th year & the 5th year development must be oriented along the strike, instead of cutting across the strike line, i.e towards east –west must be avoided. If any change in the calculation of development & the production may be attended in all the tables.
37. Conceptual Plan & sections (Plate No. 11): The plan & sections were prepared and submitted reveals partly back filling with waste, partly with water reservoir & on the southern side for waste dumping with top RL of 1070, instead of increasing the waste dump on the southern side, the dump could be dozed towards partly dumping area by removing the retaining wall on the back filled area during the conceptual plan period. The protective barrier all around the pit could be erected for preventing inadvertently falling of animals, human beings in the future.
38. Environment Plan (Plate No.10): the other ML areas of other lessees present within the buffer zone must be brought out in the 500m line for reference. Though the ML. No. is indicated without indicating the name of the lessee to be appropriate. Besides, the plate should be attended as per rule 28(5)(b) of MCDR,1988.