

SCRUNITY COMMENTS OF ‘MODIFICATIONS TO THE APPROVED REVIEW AND UPDATION OF MINING PLAN’ IN RESPECT OF THIMMAPPANAGUDI IRON ORE MINE (ML NO. 2549) OF M/S H G RANGAN GOUD, OVER AN AREA OF 46.20(AS PER CEC) SITUATED NEAR MURARIPURA VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

All the headings, subheadings and para nos. should be replicated as per the standard guidelines as given in “IBM Manual on Appraisal of Mining Plan 2014 in an orderly manner

COVER PAGE

1. Mining plan including Progressive Mine Closure Plan with the Rule No. may be given.
2. Under Category it is to be mentioned as A (Fully Mechanised)/Opencast/ Private/Non Captive on the cover page.

INTRODUCTION

3. It is mentioned that the lease is deemed to be extended upto 04.08.2042 as per the MMDR Amendment Act; 2015.This may be supported by the extension letter received from DMG, Karnataka, else the same may be removed from all places in the document.
4. The reasons for the suspension of mining activities in between 15.04.2009 to 13.11.2009 may be enumerated.
5. In page no.3, the information pertaining to the details of lease boundary and corner pillars may be deleted and furnished in the location and accessibility chapter under Para 2.0(b).
6. State wise leases already held by the applicant/ applied for indicating type of minerals, area, location etc. to be furnished in the appended table other than the lease submitted for modification

Sl No	Lease reference no. & date	Area	Postal address/location	Type of minerals	Working /Non working	Status of approval of Mining Plan	Date of execution & dt.of expiry	Remarks

GENERAL

7. Para 2.0(a): Date of initial grant of the lease may be furnished.
8. Para 3.1: From the table no.6, it is evident that there is a gap of two years from 2011-12 to 2014-15.Reasons for the same may be mentioned in the remarks column
9. Para 3.3: In review of production and development and afforestation, review positions may be given up to up to 31.03.2019 for F.Y. 2018-19. Reasons for deviation of development may be given
10. All the reasons may be specified for modification of the approved document.

PART - A

11. Para 1.0 (e)(ii): Year wise, phase wise summary of the previous exploration carried out indicating the type (Core/RC/DTH), diameter, grid and inclination, collar level & depth may be given (Table no.16,17&18).
12. Para 1.0 (i): (i) Future exploration proposals given in the document may be aligned as per Rule 12(3) of MCDR, 2017 which requires detailed exploration (G1 level) to be carried out over the entire potentially mineralised area under the mining lease, within a period of five years from the date of opening of the mine. The future exploration proposals may be reviewed accordingly. (ii) In table no.20, the geological axis G-2, G-3 & G-4 may be given. (iii) To know the extent of the ore reef, vertically and laterally, it is advised to propose exploration using bore holes rather than trial pits.
13. Para 1.0 (j): (i) Field test reports from NABL accredited laboratory may be annexed for the bulk density and recovery factor considered for calculation for different materials like iron ore, BHQ(Mineral reject) & shale. (ii) The expected ratio of Lumps & fines generation may be given.
14. Para 1.0 (l) (b): (i) It is mentioned that the threshold limit for Haematitic siliceous ore is +45%Fe. The same may be corrected. (ii) The depletion of reserves may be given with respect to last approved scheme of mining and quantum of reserves/resources increased after carrying out exploration. (iii) The updated reserves/resources may be given as on 01.04.2019 in Table No.32.
15. Para 2.0 (a): (i) In table no.34, number of terraces/lifts with height of each of the lift may be given.(ii) Table no.35 & 36 may be deleted as the reserves calculation is not required in the mining chapter. The same may be placed in the geology & exploration chapter at suitable para.
16. Para 2.0 (b): (i) In table no.38, year wise tentative excavation in tons may be given. (ii) A separate table indicating the bench wise, MRL wise calculation may be furnished for the production & development year wise. (iii) The quality of the mineral reject generated may be discussed in this para. (iv) On page no.45 it is mentioned that 72550 tons of waste will be handled in 2019-20. The same may be corrected & verified. (v) The bench height is given as 6 mts in the text; where as 10 mts bench height is shown in the sections. This may be corrected at all places. (vi) Dump rehandling for the purpose of recovery of mineral may be discussed in this paragraph.
17. Para 2.0 (e): (i) The dumping ground is proved for non mineralized area of waste and mineral reject may be discussed along with ground preparation & protective measures proposed. (ii) The waste dump and mineral reject dump is with in or outside the UPL may be discussed.
18. Para 2.0 (f): (i) This Para may be rewritten in brief and summary of the conceptual mine planning up to the end of lease period based on available resources and reserves, method of mining, recovery, backfilling, R & R envisaged and disposal of waste may be given. Few sections of the same may be enclosed as plates. (ii) In Table no.48, the land use pattern may be crosschecked as all the machines will be decommissioned and mineral storage area will be free and evacuated at the conceptual stage. (iii) Table no. 45 & 46 may be deleted and placed in the PMCP chapter along with the survival rate & species proposed to plant at para 8.3.5.
19. Para 3.0(b): The Maximum & Minimum RL of the working in the plan period may be given.

20. Para 4.0(b): In this para, brief discussion on proposed dumping ground to be proved for presence or absence of mineral and outside/inside the UPL may be discussed. This was also discussed during the field inspection.

21. Para 4.0 (c) : Year wise dumping details may be enclosed in the appended table.

Year	Dump No	Area in Ha	No. of Stages	Level in MSL	Location Coordinates	Slope Angle

22. Para 5.0(a): The chemical & physical composition required by the end use industry may be discussed in this para.

23. Para 5.0(b): Nil may be mentioned in this para.

24. Para 5.0(e): The threshold value of haematite siliceous ore may be corrected.

25. Para 6.0(g): activity wise break up of water consumption may be given along with the water balance chart.

26. Para 8.1: (i) Under water regime, few reports of water analysis may be given in a tabular form. (ii) Under public buildings, places of worship & monuments it has been mentioned that there is no such monuments /place of worship in the core & buffer zone, but during the field inspection presence of Timmappangudi temple within the buffer zone was observed. Clarification on the matter may be given.

27. Para 8.3: The table no.56 is not matching with Table no.50. Necessary correction may be done.

28. Para 8.3.5: In Year wise proposal for three years for PMCP it is mentioned as Nil, where as in the documentation plantation has been proposed. The same be corrected accordingly

29. Para 8.6: The FA table may be crosschecked with the last approved document and all the activities must be given to match the total area of the Mining lease. Necessary corrections may be incorporated.

PART-B

30. PLATES:

- a) Surface Plan (Plate No.3): (i) This plan should be duly signed by the mine surveyor with certificate no.(ii) The latest surface plan may be prepared and dumps may be shown and indexed properly. (iii) Only the existing surface features like toe wall's may be shown in the plan. (iv) (iii) Table of DGPS co-ordinates of corner BPs may also be incorporated
- b) Geological Plan (Plate no.4): Tentative UPL and areas covered under G2, G3 and G4 stages of exploration may be shown & UNFC codes to be marked in the plan.
- c) Geological cross section (Plate No.5): The dumps (old & new) may be shown in the respective section lines.
- d) Production & development Plan (Plate No.6A): The protective measure like construction of retaining wall may be shown in the first year of modification, as the same is mentioned in the text as well.
- e) Production & Development section (Plate No.7): The working for the third year(2021-22) may be marked clearly on the section line.
- f) Conceptual Plan (Plate No.8): The activity wise proposals at the end of the life may be depicted in outlines and tabular column may be enclosed.
- g) Conceptual sections (Plate No.9):The parameters shown in the section may be indexed properly.

- h) Environment Plan (Plate No.10): Environment Plan (Plate No.07): (i) The Environmental Plan may be drawn on 1:2000 scale. (ii) The ultimate land use pattern shown in the index may be shown on the plan.
- i) Financial Assurance Plan (Plate No.9): Detailed break up of Land Use Pattern of pit, dump, Infrastructure, Green belt, road etc to be given in different colour coding in accordance with the above point no.29 in outlines only and indexed properly. Rest of the index parameters may be deleted.

31. Annexure: Following items are required to be annexed with the document:

- a) Valid consent for operation issued by KSPCB may be enclosed.
- b) Few latest photographs of the mines including dumps may be enclosed.
