

Scrutiny Comments on draft ‘Modification to the approved Review & updation of Mining Plan’ in respect of Thimmappangudi Iron Ore Mine, ML No.2549 of M/s H G Rangan Goud, covering 46.20 Ha (As per CEC) of area in NEB Range, Sandur Taluk , Ballari District of Karnataka State.

COVER PAGE:

1. Name of the document may be corrected as “Modification to the approved Review & updation of Mining plan including Progressive Mine Closure Plan” along with rule no. at all places in the text, certificates & plates.
2. Registration number given by Indian Bureau of Mines May be corrected at all places in the text.

INTRODUCTION:

3. The extent of lease area is 46.20 Ha as per the CEC sketch & 56.64 Ha as per the ML deed. Revised ML deed of 46.20 Ha valid upto 04.08.2042 may be discussed & enclosed.
4. It is mentioned that out of 46.20 Ha, forest clearance for only 36.50 Ha is given & 2.54 Ha is overlapping with adjacent mining lease of MML. Remaining area for which the FC is not granted may be discussed in details & shown in the respective plan & sections.

LOCATION & ACCESSIBILITY:

5. Para 2.0 (b): The Latitude & Longitude of the ML area furnished may be corrected as per the information’s furnished in Table 2 & Table no.3.

DETAILS OF APPROVED MINING PLAN:

6. Para 3.1: Reasons for modification may be given in a separate column.
7. Para 3.2: All the details of last modification indicating the date of approval and reasons for modifications may be furnished.
8. Para 3.3: Review of approved proposals in respect of explorations may be given in the appended table separately.

For exploration:

Year	No of bore holes/ pits/trenches planned	Achieved	Deviation in % (+/-)	Reasons for deviation

PART-A; GEOLOGY & EXPLORATION:

9. Para 1.0 (d): The details of the exploration agency engaged for exploration in phase III may also be furnished.
10. Para 1.0 (e): (i) The no of trial pits & trenches pertaining to exploration may be furnished in this para instead of information on working pits. (ii) The quality parameters for Hematitic iron ore & Hematitic Siliceous ore (HSIO) may be discussed separately to arrive at the average quality of the mine based on the lithlogs submitted.
11. Para 1.0 (i): (i) The total mineralized are proved may be corrected in table No.26 & in the description given. (ii) 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.(iii) More nos of exploratory core bore holes may be proposed due to the presence of reef ore in the mining area indicating the year, type, no of boreholes, grid interval, depth, location & total meterage. Here it is also pertinent to mention if the proposed exploration is to know the lateral extension or vertical extension of the deposit.

12. Para 1.0 (j): In this para it is mentioned that BHQ is considered as waste. Quality parameters may be discussed to segregate & identify BHQ, Hematitic Siliceous ore (HSIO) & Mineral reject.
13. Para 3.0(k): The section wise detailed calculation furnished may be cross checked & corrected accordingly.
14. Para 1.0 (l): The ratio of lumps to fines may be discussed in this para.

MINING; OPEN CAST MINING:

15. Para 2.0(A) (a): (i) The no of benches developed in the past may be given precisely based on the latest surface plan. (ii) The existing details of mineral reject/BHQ may be given in a tabular column indicating the location, quantity, area covered and quality.
16. Para 2.0(b): (i) The proposed production proposals for the year the year 2021-22 may be given as per the capping fixed by the CEC & letter issued by the DMG, Govt. of Karnataka. Copy of the same may also be enclosed as annexure. (ii) The year wise tentative production & development proposals given in table no.43 may be given in tons. (iii) In table no.44 BHQ is considered as waste where as in table no.43 the same BHQ generated from reef ore is considered as mineral reject. The same may be corrected.(iv) Table no.47 & 48 may be deleted from this para.
17. Para 2.0(f): (i) Land use pattern at the conceptual stage with respect to mineral storage, Infrastructure & crushing & screening plant may be reviewed & corrected. (ii) Re-grassification of the entire mined out area at the conceptual stage of mining may be proposed & few sections of the same may be given.
18. Para 3.0(d): Environmental engineering measures for arresting the solid wash off from the mineral reject dump may be proposed & furnished.
19. Para 4.0 (a): The quantity of OB & Mineral reject may be given separately in table no.56.
20. Para 4.0(c): The waste dumping may be proposed in retreating method instead of advancing method.
21. Para 8.1: The land use pattern may be given as per para 8.6, Financial Assurance table at all places in the text.
22. Para 8.2: Mitigation measures for air, water, noise & to reduce the ground vibration may also be enumerated.
23. Para 8.3: (i) In table no.65, backfilling has been ticked whereas no backfilling is proposed in 2021-22.The same may be corrected with proposals of constructing retaining wall & garland drain. (ii) In the table of year wise a forestation, details like survival rate, species proposed to be planted & cost may be given.

24. Para 8.6: The green belt area of 2.16 Ha may be considered for the financial area calculation & accordingly BG may be submitted.

PLATES:

- a) Key Plan (Plate No.1): The mining lease area falling in the topo sheet may be marked & indexed accordingly.
- b) Surface Plan (Plate No.3): Surface plan may duly be signed by the surveyor.
- c) Geological Plan (Plate No. 4): (i) Area under G-1,G-2,G-3 & G-4 with UNFC code may be indexed with table. (ii)This plan may duly be signed by the surveyor.
- d) Geological cross sections (Plate No. 5): This plate may be signed by the surveyor.
- e) Production & Development Sections (Plate No. 7): (i) Production & development section may be given in 1: 1000 scale. (ii) Interval of the Y axis in the section may be decreased and confined only till the bottom of the working pit for better clarity.(iii) Geological features may be removed from this plate.
- f) Conceptual Plan & Sections (Plate No.8 & 9): The conceptual plan & sections may be drawn as per the comments placed under para 2.0(f).
- g) Reclamation Plan (Plate No11): Retaining wall & garland drain for the stocking of mineral reject may be proposed & marked in this plate with the dimensions.

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