

**Scrutiny Comments on draft ‘Modification to the approved Review & updation of Mining Plan’ in respect of Iyli Gurunath Iron Ore Mine, ML No.2593 of M/s Ramgad Minerals & Mining Limited, covering 20.35 Ha of area in Ramgad Village, Sandur Taluk , Billari District of Karnataka State.**

All the **headings, subheadings, para nos. & format should be strictly replicated** as per the standard guidelines as given in “IBM Manual on Appraisal of Mining Plan 2014” and information’s to be given in order.

**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.

**INTRODUCTION:**

2. State wise leases already held by the lessee, other than the said lease (Table No.1) may be furnished in this chapter. Name of the mine with their respective ML/PL Numbers may be furnished.
3. The modified mining plan may be submitted for the lease area as mentioned in the lease deed or supplementary lease deed indicating the area as per CEC sketch may be furnished. The same may also be discussed & copy of the supplementary lease deed may be enclosed.

**GENERAL:**

4. Para 1.0(a): Name of the nominated owner may be furnished under name of the applicant.
5. Para 1.0(b): (i) Name, address, contact details & E-Mail Id of all the board of directors may be enclosed in a tabular form.(ii) The latitude & longitude of all corner boundary pillars may be furnished in WGS84 datum & not in Indian Bangladesh. Necessary corrections may be applied at all relevant places in the text.

**DETAILS OF APPROVED MINING PLAN:**

6. Para 3.1: Reasons for modification done in the Scheme of mining/RMP may also be given in table no.5.
7. Para 3.3: (i) Review of approved proposals in respect of exploration is nil. Since exploration has been carried out in the year 2021-2022, details of the same may be incorporated in the table No.6. (ii) The review of earlier proposals in respect of exploration, excavation & reclamation may be given only up to FY 2020.21.
8. Para 3.6: All the reasons for modification in the approved RMP may be enumerated specifying the reasons & thereby justifying for modifications.

**PART-A; GEOLOGY & EXPLORATION:**

9. Para 1.0(d): Name of the exploration agency, their address, phone no & E-mail may be furnished in a tabular column indicating the year of exploration.
10. Para 1.0 (e): (i) Drillings grid & type of exploratory drill holes drilled during the year 2013-14,2014-15,2015-16 & 2021-22 may be furnished in table no.10 & 11. (ii) As per

Form I submitted to this office 11 bore holes had been proposed where as information of 12 bore holes are submitted in the modified RMP. Clarification on the matter may be given. (iii) Test reports of the CGC/NABL laboratory as stated in table no.12 for the year 2021-22 may be enclosed.

11. Para 1.0 (i): (i) Future exploration proposed may be tabulated indicating the year, type, no of boreholes, grid interval, depth, location & total meterage. (ii) Table No.14- the year of proposed exploration may be corrected and the location of future exploratory boreholes in the Non mineralized/ unexplored area may be given with name and number of the plate. (iii) Proposed future exploration may be aligned as per Rule 12(3) of MCDR, 2017.
12. Para 1.0 (j): The area under G-1, G-2, G-3 and G-4 with respect to the threshold value notified by IBM may be given in a tabular form based on the exploration carried out in the past. The same may be discussed in this para & shown in the geological plan and sections as well.
13. Para 1.0(k): Detailed section wise calculation of reserve/resources may be furnished in this para instead of annexure. The same needs to be aligned with the information provided in table no.16.
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 Existing method of excavation with design parameters may be discussed.(ii) The proposed production proposals for 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.(iii) The existing details of mine pit, OB dumps, their status indicating the location ,quantity, area covered and other details may be enclosed in a tabular column. (iv)The existing details of Mineral stock & ROM stock lying in the mines may be given in a tabular column indicating the location, quantity, area covered and quality.
16. Para 2.0(A) (b): (i) In table no.17, the year wise tentative excavation table, the ROM quantity given in tons.(ii) (ii)Bulk density & recovery factor of each of the material proposed to be handled in the mine may be tabulated below the table no.17.
17. Para 2.0 (c): It is mentioned that there is no change in proposal of year wise production and development from the approved RMP. However the same details needs to be reproduced in the present document also and this applies to all the chapters and topics where ever it is mentioned so as no changes from the previous approved document as this modifications supersedes all the prior approvals given.The details of working may be furnished in the below appended table.

| Year | Area | Sections | Advancement | No of Benches |       | Level mRL |        | Working depth | UTM coordinates |         |
|------|------|----------|-------------|---------------|-------|-----------|--------|---------------|-----------------|---------|
|      |      |          |             | Ore           | Waste | Top       | Bottom |               | Northing        | Easting |
|      |      |          |             |               |       |           |        |               |                 |         |

(iii) Details of backfilling may be given in the table given below:

| Year | Extent (Ha) | Quantity (Tons) | Top mRL | Bottom mRL | No of Stages | Slope angle | Northing coordinates | Easting coordinates |
|------|-------------|-----------------|---------|------------|--------------|-------------|----------------------|---------------------|
|      |             |                 |         |            |              |             |                      |                     |

18. Para 2.0 (f): (i) Disposal of waste: Any proposal for disposing the waste should be restricted to within the Mining Lease area only. Proposals for waste disposal outside the Mining lease area though in future is not acceptable and may be corrected accordingly. (ii) Backfilling, fencing, converting the dug out pit into water reservoirs & 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.(iii) In table no.19,under existing land use pattern, area furnished may be verified & corrected from the annual returns submitted for FY 2020-21 at all relevant places in the text.(iv) Area furnished wrt infrastructure at the conceptual stage of mining may be verified & corrected.
19. Para 4.0 (a): The description under this chapter should be reviewed for the past approved proposals and future program for the balance period may accordingly be given.
20. Para 4.0 (b): The proposed area of backfilling in the plan period may be reviewed & corrected.
21. Para4.0(c): Environmental engineering measures like retaining wall & garland drain for the proposed backfilled area may be proposed & shown in the respective plates.
22. Para 5.0(b):The average lump fines ratio given may be substantiated with the production & dispatch reported in the last five years from the annual returns submitted
23. Para 5.0(g): Water balance chart indicating the quantum of water required for mining & its allied activities may be furnished in this para.
24. Para 8.1: Necessary corrections may be done as per the comments placed at Para 2.0 (f) (iii).
25. Para 8.3.1: (i) Land use pattern indicating the additional area required during the plan period may be furnished. Year wise proposal to restore/reclaim the degraded land may be described in this para.(ii) Mitigation measures to control air pollution, water pollution, noise & ground vibration may be given in this para.(iii) A table may be inserted showing year wise afforestation details like survival rate, species proposed to be planted & cost may be given.
26. Para 8.6: Necessary corrections may be done as per the comments placed at Sl No.3 & para 2.0 (f) (iii).

**PLATES:**

- a) Surface Plan (Plate No.VII): (i) Inactive & active dumps may be indicated with their respective nomenclatures.(ii) Signature of the surveyor preparing the plan must be in original.(iii) Boundary as per the lease deed may also be shown & indexed.
- b) Geological Plan (Plate No. IV): (i) Area under G-1, G-2, G-3 & G-4 with UNFC code may be shown tabulated & indexed accordingly. (ii)This plan may duly be signed by the surveyor.
- c) Geological cross sections (Plate No. V): This plate may be signed by the surveyor.
- d) Graphical Lithologs (Plate No.VI): Distinct colour coding may be used for BHQ & Haematitic siliceous ore.
- e) All the plans & sections may be submitted for modified RMP as per the comments placed at Sl No.17, Para 2.0 (c).

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