

**Scrutiny Comments on draft ‘Modification to Review and Updation of Mining Plan’ in respect of Donimalai Iron Ore Mine of M/s Nadeem Minerals., ML No. 2526, covering 52.82 Ha of area in Donimalai Block, Taranagar Village, Sandur Taluk of Ballari District, Karnataka State.**

- a. 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*” and information’s to be given in order.
- b. Each Chapter may be started in a new page

**COVER PAGE:**

1. Name of the document may be given as “Modification to the Review & updation of Mining Plan including Progressive Mine Closure Plan” at all places in the text, certificates & plates.
2. Date of grant, Execution and date of expiry of mining lease area as per the lease deed may be given. Lease period mentioned up to 18.07.2056 may be supported by the letter from the State DMG, Karnataka.
3. Under Category, it may be given as A-FM/Opencast/Partnership Firm/Non captive/Private.
4. RMP period & Modification to RMP Plan period may be given clearly.

**INTRODUCTION:**

5. State wise leases already held by the lessee indicating the type of mineral, areas, location etc. may be furnished.

**GENERAL:**

6. Para 1(a): In this para, name & other details like phone no., Fax, Mobile No and E-mail ID of the managing partner may be given.

**LOCATION AND ACCESSIBILITY:**

7. Para 2.0(a): (i) Reference / no. of the boundary pillar may be given against the Lat/Long given.

**DETAILS OF APPROVED SCHEME OF MINING:**

8. Para 3.1: (i) Instead of extent of the lease area, remarks column may be inserted giving the reasons for modification in Scheme of mining & RMP.(ii) In Sl No.5, plan period may be corrected.
9. Para 3.2: Only the details of the last modifications & reasons thereof may be given.

10. Para 3.4: Status of compliance of violations pointed out in the last plan period may only be given.
11. Para 3.6: All the reason may be enumerated for the proposed modification to the review & updation of mining plan.

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

12. Para 1.0 (e): (i) The pits & trenches referred in this para is wrt the exploration and not the mining pit. Hence necessary corrections may be done accordingly. (ii) In table no.8B & 9, type of bore hole & grid interval may be specified by adding few more columns.(iii) Under details of sample analysis, total no of samples given, name of the NABL accredited laboratory along with their findings may be enumerated in brief.
13. Para 1.0 (j): (i) This para may be reviewed & rewritten. (ii) The area under G-1, G-2, G-3 and G-4 may be given in a tabular form based on the exploration carried out in the past. The same may be shown in the Geological plan and sections as well. (iii) Bulk density & recovery factor of each of the material handled in the mine given in this para may be supported by field test report from NABL accredited /Govt. authorised Laboratory.(iv) Ratio of Lumps to fines may be discussed in brief.
14. Para 1.0 (k): Section wise detailed calculation of reserves/resources may be furnished in this para instead of annexure.
15. Para 1.0 (l): (i) From the litho-logs (annexure XIX) it is observed that BHJ is available in abundance with average quality of more than +35% Fe. Hence BHJ may be quantified with grade in table no.15 & 16. (ii) BHJ may not be considered for the calculation of waste. (iii) Mineral reserves & resources as on 01.04.2020 may be given in table no.16.

#### **MINING-OPEN CAST WORKING:**

16. Para 2.0 (a): The existing details of backfilled area, OB dump, mineral stock & BHJ may be furnished indicating the location ,quantity, quality, area covered and other details may be enclosed in a tabular column.
17. Para 2.0 (b): (i) Table no.18 may be reviewed. (ii) Separate table for Bulk density & recovery of each material handled may be given for computing the tonnage along with supporting report. (iii) Section wise production & development including BHJ may be furnished in this para.
18. Para 2.0 (d):The maximum material handling & waste material quantities are not aligned with table no. 18. May be crosschecked & verified.
19. Para 2.0 (e):This para may be rewritten based on the comments placed at SI no.17.
20. Para 2.0 (f): (i) The Ultimate pit dimension is not given. The same may be incorporated.(ii) Re-grassification of the entire mined out area (Backfilled) at the conceptual stage of mining may be proposed & few sections of the same may be given.
21. Para 3.0 (d): Arrangement proposed/already made to arrest solid wash off from the backfilled area & dumps may be discussed.
22. Para 4.0 (a): In table No.13, OB quantity for storage may be corrected & rectified.
23. Para 4.0 (b): In this Para, it is to clearly state that the simultaneous backfilling ground is proved for absence of mineral supported by bore hole data.

24. Para 4.0 (c): Quantity of material disposed in backfilling dump & stacking of BHJ may be given.
25. Para 8.1: Existing land use pattern may be given as per the format specified in financial assurance at all places in the document.
26. Para 8.3.1: Mitigation measures for air, water, noise, vibration & land degraded may be given.
27. Para 8.3.5: Proposed protective measures for R & R works given in table no.45 may be verified & checked.
28. Para 8.6: Area put to use at the start of plan period & additional area required may be reviewed, crosschecked & corrected.
29. Undertaking & Certificate from the lessee may be put as one as per the standard format.
30. Certificate from the qualified person may be given as per the standard format.

**PLATES:**

- a) Key Plan (Plate No.1): (i) Approach road to the ML area may be marked & indexed.(ii) Leases surrounding the ML area may be shown & indexed.
- b) Geological Plan (Plate No.4): (i) Area under G-1, G-2, G-3, G-4 & non mineralized area may be shown prominently& tabulated (ii) only geological features may be depicted on this plan. Other surface features may be removed.(iii) This plate may be signed by the surveyor.
- c) Geological Cross Sections (Plate No.5): (i) All the exploratory boreholes may be shown on the sections prominently. (ii) This plate may be signed by the surveyor.
- d) Production & Development Sections (Plate No.7): Production & development section is not correlated with the information furnished in the text part.
- e) Conceptual Plan & Sections (Plate No.12): (i) In this plate only the details pertaining to conceptual land use pattern may be shown with outlines and the activity proposed to be conceptualised may be shown. (ii) Re-grassification of the entire mined out area at the conceptual stage of mining may also be proposed & shown in sections.
- f) Financial Area Assurance Plan (Plate No.13): Detailed break up of Land Use Pattern of pit, dump, Infrastructure, Green belt, road etc to be given in outlines & with different colour coding. Point no.28 may be referred and corrected accordingly.

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