

Scrutiny Comments on draft ‘Modification to the approved Review & updation of Mining Plan’ in respect of Dharmapur Iron Ore Mine, ML No.2309 of M/s Zeenath Transport Company, covering 36.42 Ha of area in Ramgad Village, Sandur Taluk , Bllari 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.
2. Period of Review & updation of Mining plan and Modified Review & updation of Mining plan may be given.
3. Date of grant of ML, date of execution & Expiry of the ML may be given.
4. Under Category, it may be given as A-(FM)/Opencast/Partnership firm/Non captive/Private.

INTRODUCTION:

5. Reasons for non working of the mines from 06.05.2011 to 22.05.2020 may be discussed.
6. State wise leases already held by the lessee, other than the said lease (Table No.2) may be furnished in this chapter.

GENERAL:

7. Para 1.0 (a): Para 1(a): In this para, the details like phone no., Fax, Mobile No and E-mail ID of the nominated owner may be given.

LOCATION AND ACCESSIBILITY:

8. Para 2.0(b): The co-ordinates in which the mining lease is bounded may be verified & corrected accordingly.

DETAILS OF APPROVED MINING PLAN:

9. Para 3.1:The details of the modification done in the Mining plan or Scheme of mining may also be given in this para.
10. Para 3.3: Review of approved proposals in respect of explorations, production, development & reclamation may be given in the appended table separately.

For exploration:

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

For Production, Development & reclamation:

Year	Production/Development /reclamation Proposed	Achieved	Deviation in %	Reasons for deviation

11. Para 3.6: Since the mining plan is submitted for modification, all the reasons with justification of modification may be given.

PART-A; GEOLOGY & EXPLORATION:

12. Para 1.0 (d): Name, address, E-mail ID & phone no of the exploration agency may be given.
13. Para 1.0 (e): (i) Year wise exploration carried out in the past (since the inception of the mine) may be tabulated indicating year, dimensions, spacing etc along & across the strike/foliation with reference to geological plan may be furnished. (ii) Under details of sample analysis, findings in terms of quality may be enumerated in brief.
14. 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) Proposed future exploration 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.
15. Para 1.0 (j): 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.
16. Para 1.0 (l): The ratio of lumps to fines may be discussed in case of reef iron ore.

MINING; OPEN CAST MINING:

17. Para 2.0(A) (b) (I): (i) In table no.17, the year wise tentative excavation table, the ROM quantity for the year 2022-23 may be verified & corrected accordingly.
18. Para 2.0 (c): (i) 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

19. Para 2.0 (f): (i) 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. (ii) Land use pattern at the conceptual stage of mining may in regard to temporary sheds may be verified & furnished as per Financial Assurance Table given in para 8.6.
20. Para 4.0(b): The proposed area of backfilling in the plan period may be reviewed & corrected.

21. Para 8.1: (i) The land use pattern may be given as per para 8.6, Financial Assurance table at all places in the text. (ii) Under human settlement, demographic details may be furnished.
22. Para 8.2: (i) A tabular column may be inserted for monitoring the environment parameters of air, water, noise & soil in the core & buffer zone with their respective locations and no of samplings proposed in core & buffer zone. The frequency of the monitoring may also be indicated. (ii) In the table of year wise afforestation, details like survival rate, area covered, species proposed to be planted & cost may be given.
23. Para 8.3.1: Land use pattern at the end of plan period & conceptual stage may be tabulated and discussed in this para
24. The Consent letter/Undertaking /Certificate must be signed by the lessee along with date & place.

PLATES:

- a) Surface Plan (Plate No.3): Surface plan may duly be signed by the surveyor.
- b) Geological Plan (Plate No. 4): (i) Workings may be removed and only the geological features may be shown in this plate. Area under G-1, G-2, G-3 & G-4 with UNFC code may be shown tabulated & indexed accordingly. (ii) Year wise proposal of bore holes may also be shown in this plate & indexed accordingly. (iii) This plan may duly be signed by the surveyor.
- c) Geological cross sections (Plate No. 5): This plate may be signed by the surveyor.
- d) Production & Development Plan (Plate No.6A - Plate No.6E): (i) Year wise area for mineral stacking may be shown. (ii) In the 4th year, reef working has not been shown against the proposal in the text.
- 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.(iii) Geological features may be removed from this plate.
- f) Financial Area Assurance Plan (Plate No.10): Detailed break up of Land Use Pattern of pit, dump, Infrastructure, Green belt, road etc to be given in outlines & with different colour coding as per FA table.

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