

**Scrutiny Comments on draft 'Review & updation of Mining Plan' in respect of Raja Krishna Deva Raya Iron Ore Mine, ML No.2584 of M/s Auro Minerals, covering 31.00 Ha of area in Kallahalli Village, Hospet Taluk , Ballari District of Karnataka State.**

**DETAILS OF APPROVED MINING PLAN:**

1. Para 3.1: Reasons for modification may be furnished in the remarks column.
2. Para 3.3: (i) 4 boreholes each of 300 mts were proposed to be drilled amounting to 1200 mts or discontinuance of the ore body whichever is less, but only 332 mts in total meterage have been drilled. Reasons & justification for the same may be furnished. (ii) From table no.8, review of production & development proposals, it is observed that only 25.37% of the total quantity proposed for development is handled with respect to the 58% of the quantity of iron ore excavated. Reasons & justification for the same may be furnished clearly. (iii) The breakup of iron ore handled in term of iron ore & HSIO may be given against the proposed & achieved quantity in table no.8. (iv) It is observed that DTH drilling has been carried out against the proposal of RC drilling leading to contamination & not getting a representative sample.
3. Para 3.4: Under status of compliance of violation pointed out by IBM, show-cause notice issued by this office on 07.04.2021 may also be furnished.

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

4. Para 1.0 (e): (i) It has been mentioned that 04 nos. of drill holes with a total meterage of 332m were drilled in the lease area. However, no intimation (FORM-I as per MCDR Rule 47) about the commencement of the drilling has been received at this office. (ii) No detailed litho-log information has been provided. (ii) The total cost incurred for exploration of these 4 boreholes may also be given.

**MINING; OPEN CAST MINING:**

5. Para 2.0 (a): (i) Permission of deep hole drilling & blasting from DGMS may be discussed & enclosed.(ii) Backfilling may also be discussed in this para.
6. Para 2.0 (b): As the lease is expiring on 22.05.2021,the proposed quantity of production & development in FY 2021-22 given in table no.24 may be reviewed and corrected accordingly at all the relevant places in the text & plates.
7. Para 2.0 (c): Year wise, section wise calculation of production & development quantities may be given in this para aligned to the summary of in situ excavation table for plan period & discussed in brief.
8. Para 2.0 (d): Adequacy of the mining machineries may be changed as per the comments placed at para 2.0(b) & para 2.0(c).
9. Para 2.0 (f): (i) The format of land use pattern may be kept as per the financial assurance table at para 8.6. (ii) The land use pattern at the conceptual stage of mining may be verified & corrected with respect to the mineral storage & crushing /screening plant.(iii) The land use pattern given in table no.30, at the start of the plan period, at the end of plan

period & conceptual stage of mining may be aligned with the information furnished in table no.41.

10. Para 3.0 (b): The maximum & minimum depth of working during the plan period may be corrected & aligned with table no.27.
11. Para 8.2: The present status of environmental monitoring parameters of air, water, noise, soil & ground vibration may be discussed & latest reports of the same may be enclosed.
12. Para 8.3.1: (i) The land use pattern at the end of plan period may be crosschecked & corrected.(ii) A table of proposed afforestation (2021-22) with their details like location, survival rate, area covered, species proposed to be planted & cost may be given.
13. Para 8.3.5: (i) In this para, the cumulative no of plants & cost including watch & ward under dump management may be furnished. (ii) The proposed retaining wall & garland drain of 27 mts may also be incorporated in table no.30.
14. Para 8.6: The information furnished in table no.41 may be reviewed & corrected with respect to area put to use at the start of plan period.

#### **PLATES:**

- a) Surface Plan (Plate No.IIa): (i) The distance of GCP No.3 is different from that given in the text. The same may be corrected. (ii) Details of the mineral stock as given in the text may be shown & indexed accordingly. (iii) All the existing dumps including backfilling area may be shown in bold & indexed in the surface plan. (iv) The area of the deleted area may be given & sketch to be redrawn.
- b) Geological Plan (Plate No.IIb): In this plan, the longitudinal section line is named as L-L', whereas in Geological Sections (Plan no. IIb), longitudinal intersection line is named as Y-Y'. The same may be rectified & corrected.
- c) Production & Development Plan & section (Plate No.IIIa & IIIb): The production & development plan may be changed as per the comments placed under para 2.00(b) for 0.084 MTPA.
- d) Conceptual plan & sections (Plate No.VI): (i) In this plate only the details pertaining to conceptual land use pattern may be shown with solid fill colours and the activity proposed to be conceptualised may be shown as per para 2.0(f). (ii) Proposed re-grassification area may be shown & indexed properly.
- e) Financial Area Assurance Plan (Plate No.VII): Detailed break up of Land Use Pattern of pit, Infrastructure, Green belt, mineral separation plant etc to be given in outlines & with different colour coding as per FA table & comments placed at para 8.6.

#### **Annexure:**

- a) Latest environmental monitoring reports may be enclosed.

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