

**SCRUNITY COMMENTS ON DRAFT REVIEW AND UPDATION OF MINING PLAN IN RESPECT OF KWATEGUDDA IRON ORE MINE (ML NO. 2586) OF M/S GOGGA GURUSHANTHAIAH & BROS., EXTENT 15.25 HA. (AS PER CEC SKETCH), YOGA RESERVE FOREST, HOSAPETE TALUK, BELLARI DISTRICT OF KARNATAKA STATE**

**COVER PAGE**

1. Name of the document should be corrected as “Review and Updation of Mining Plan including Progressive Mine Closure Plan”.
2. Rules of submission of the document may be corrected as under rule 17(1) of MCR, 2016 and under rule 23 of MCDR, 2017.

**GENERAL**

3. Details of the mining leases held by the incumbent lessee should be corrected for ML No. 2520 (ref. page 4).

**DETAILS OF APPROVED MINING PLAN**

4. Para 3.3: Details of boreholes drilled in the ML area w.r.t. the approved proposals during the scheme period (2016-17 to 2018-19 and continuing) should be furnished here in a tabular format.
5. Para 3.4: Statement not correct as mentioned; Violations in respect of provisions of MCDR pointed out by IBM during the scheme period and subsequent compliance by the lessee should be mentioned here.
6. Para 3.6: Statement as mentioned in this para is not applicable since the present document has been submitted under rule 17(1) of MCR, 2016.
7. In progress of implementation of R & R plan, as mentioned in page no. 13, reasons for non-constructions of 430m of Garland Drain-1 (GD1) and 35 nos. of brush wood check dams (BWCD) should be elaborated.

**PART-A**

8. Para 1.0 (e): DTH boreholes drilled during 2018-19 are not mentioned in the table no. 10. Details of all drilled boreholes in the ML area should be furnished with borehole ID nos., year of drilling, type of drilling, location and depth of drilling in a tabular format.
9. Para 1.0 (i): As observed during the course of inspection and from the geological plan/ sections that entire mineralized area has not been explored so far. Western extension of Reef-2 remained unexplored and depth of the ore body has not been established. Hence, aadditional exploration should be undertaken to upgrade the stages of exploration upto G1 level (for G3 level resources) and also to prove the depth of the mineralization in accordance with Rule 12(3) of MCDR, 2017.
10. Para 1.0 (k): Following deficiencies are required to be corrected in ‘detailed calculation’ of iron ore reserve and resources (ref. table-12):

- a) Reserve and resources estimation is not mentioned as per the UNFC codes.
  - b) UPL has been considered arbitrary manner; not considered up to the proved limit of the ore body.
  - c) Exposures of Reef-2 as projected in the geological sections nos. B-B' to D-D' are not matching with the geological plan.
  - d) Influences of section nos. A-A' and B-B' incorrectly mentioned as 29m and 17m respectively. Projection of drilled borehole CBH-21 (drilled between these two sections) is not found demarcated along the section line.
11. Para 1.0 (l): Resources under G1 stage of exploration mentioned incorrectly in page no. 25. Reserve and resources of the ML area should be furnished as on 31.07.2019 in table-15.
12. Para 2.0 (a): Dimension of existing pits as mentioned in table-16 should be corrected in accordance with the latest surface plan; Pit1 and Pit2 are merged into a single pit at present. Extent of waste dumps (in Ha.) present in the ML area as mentioned in page no. 30.
13. Para 2.0 (b): Proposed pit working during F.Y. 2021-22(up to 26.05.2021) demarcated in Pit Layout plan from cross section nos. A-A' to D-D'; the same location should be mentioned in this para and other relevant places of the document. Proposed stripping ratio (tonnage basis) during F.Y. 2021-22 should be furnished in table-18.
14. Para 2.0 (d): In extent of mechanization, stand by provision of one excavator and one tipper should be given.
15. Para 2.0 (e): In conceptual mine planning, proposed stabilization methods for active dump should be mentioned. Reclamation and rehabilitation proposals for inactive dump also to be furnished in this para.
16. Para 4.0 (c): Year-wise dump management proposals and compliance status as of now should be mentioned in this para in accordance with the approved R&R plan.
17. Para 8.3.5: In summary of year-wise proposals, actual status as on 31.07.2019 may be furnished in a separate column (Ref. table-34) Under dump management, proposals for afforestation & stabilization should be furnished for both active and inactive dumps.
18. Para 8.6: In financial assurance table area put on use at the start of the plan period should be updated as on 31.07.2019; no additional areas have been proposed for future mining and for mineral storage, please justify.

## **PART-B**

### **19. Para 10, Plates:**

- a) Surface Plan (Plate no. 3): This plan may be updated as on 31.07.2019. Extent and demarcation of existing dumps and mineral stocks should be updated in the surface Plan.
- b) Geological Plan (Plate no. 4): Extent of UPL may be corrected in the geological plan. Exposures of Reef-2 as projected in the geological sections nos. B-B' to D-D' are not matching with the geological plan. BHQ band in Reef-1 is not found demarcated in section nos. E-E' & F-F'. DTH boreholes drilled during April-2019 are not shown.

- c) Geological Sections (Plate no. 5): UPL depth should be furnished up to the proved limit of the ore body. Projection of concealed ore body near borehole no. CBBH6 (section no. B-B') may be corrected. Locations of proposed boreholes may be demarcated along the sections lines.
- d) Pit Layout Plan (Plate no. 6): In this plan proposed areas for mineral stocks may be shown. Proposed haul road from working pit to waste dump and to mineral stocks should be demarcated.
- e) Conceptual Plan & Sections (Plate no. 9): Proposed mining pit and waste dump design should be restricted up to F.Y. 2021-22(up to 26.05.2021) in this plan.
- f) Reclamation Plan (Plate no. 11): Year-wise dump management and other related environment protective proposals should be demarcated in this plan in line with the approved R&R plan.

20. Para 11, Annexure: Any type of stamping should be avoided in the annexure. Following items are required to be annexed with the document:

- a) Copy of the violation letters issued by IBM and subsequent reply from the lessee.
- b) Copy of all drilled borehole logs.
- c) Copy of the recovery and bulk density analysis report.

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