

**SCRUNITY COMMENTS ON DRAFT SCHEME OF MINING OF SIDDAPURA IRON ORE MINE (ML NO. 2572) OF SHRI N. SHAKE SAB; OVER AN EXTENT OF 15.02 HA.(AS PER CEC),AND 15.00 HA AS PER ML DEED, IN SIDDAPURA VILLAGE,NEB RANGE,SANDUR TALUK, BELLARY DISTRICT OF KARNATAKA STATE. THE SCHEME PERIOD IS FROM 2012-13 TO 2016-17, IN RESERVE FOREST AREA, CATEGORY OF THE MINE IS A( OTFM-OTHER THAN FULLY MECHANISED MINE).**

### **COVER PAGE**

1. Rule for submission of this document should be corrected as 'under 12(2) of MCDR, 1988'.
2. The SOM period should be corrected as 2012-13 to 2016-17; Since Lease Deed for this ML has been executed dated 05.01.2008 for an extent of 15.00 Ha. , proposals of approved Mining Plan is valid from 2007-08 to 2011-12. Hence, period of this Scheme of Mining should be corrected as above in all relevant places of this document, wherever applicable.
3. The Extent of the ML area should be written as '15 Ha. as per Lease Deed & 15.02 Ha. As per CEC survey'.
4. The Category of the mine should be corrected as Category A (OTFM).
5. The online registration number under rule 45 amended needs to be indicated on the cover page.

### **INTRODUCTION**

6. The details of last production and not resumed mining operation immediately, after the ban was lifted need to be briefed. The annexure no. VIII is not found to be enclosed.

### **DETAILS OF APPROVED MINING PLAN**

7. Para 3.3: Period of the approved mining plan should be corrected as 2007-08 to 2011-12 in all relevant tables. Proposals from F.Y. 2012-13 to 2015-16 should be furnished as NIL, only actuals should be written in this case.
8. Para 3.6: The wrong data has been furnished in this para for 205.98 ha to 133.54 ha, when the extent of the mine is actually for 15.02 ha, whereas in para 3.2, it is given no modification made in the mining plan period. The para should be attended appropriately without any mistakes.
9. Progress of R & R implementation work as on date should be discussed in this chapter, through table format.

### **PART-A**

10. Para 1: Para & Sub-paras are not found to be arranged as per the guidelines, may be corrected in accordance with the guidelines.
11. Para 1.0 (b): Location of the ML should be mentioned as 'NEB Range'. Dip & strike, physical properties, ore body extent & thickness should be discussed in this para briefly. No discussion is found on float iron ore deposit present in the ML area.
12. Para 1.0 (c): Not furnished.
13. Para 1.0 (e) (i): Dimension of the trial pits are not matching with page 10, may be corrected accordingly.
14. Para 1.0 (e) (ii): No chemical analysis and Form-K are found to be enclosed as annexure- X and annexure –XI respectively.
15. Para 1.0 (k): Resources estimation under G3 stage of exploration is not found correct; it should be calculated within the iron ore mineralisation area. As such, there is no unexplored area is seen within

- the mineralised zone (Ref. Geological plan & Sections), hence resources under UNFC. Cat. 333 should be furnished as NIL.
16. Page 31: Feasibility axis 2 is not considered anywhere while estimation of Reserve or Resources, hence discussion on F-2 should be removed.
  17. Page 33 & 34: Section wise Reserve & Resources calculation is already given in page 30, hence this duplicate pages may be removed.
  18. Para 1.0 (l): This para is not furnished in the document.
  19. Page 35: Blocked ore below UPL (UNFC Cat. 211) is not found to be identified. Date of reserve estimation is mentioned as on 18.12.2014 whereas in page 35 estimation date is mentioned as on 20.12.2015. Please clarify which one to consider?
  20. Para 2.0 A. (a): the para need to be attended appropriately, in one place it is given mining operation involves blasting for hard strata & ripping and in the same para it is given, most of the ore/ waste is soft & it can be excavated without the use of drilling & blasting. Besides, it is given the mining operation will be through manual means, in some other place it is mechanised. The correct proposals should be given wherever applicable. ROM & Waste ratio given in page 42 table as 0.5:0.5 is not correct, which should be given ( to excavate one tonne of ore from a pit, what is the amount of waste need to be removed, i.e. 1:0.5, or 1 or 2 tonne waste is required, should be mentioned ...) . The proposal drawn for the year 2015-16 to 2017-18 need to be attended as per the remarks given above.
  21. In para 2(b), the location of the proposed workings for the year 2016-17 & so on need to be re-located at western end, where the mineral stack is placed and start towards eastern end on the higher elevation, was also discussed in the field about the location where to start the mining. Accordingly, the text para need to be attended, including the plates.
  22. In para 2(f), the under conceptual mine planning, the conceptual development, exploration and the production chapter, including the afforestation details need to be attended appropriately.
  23. In para 4, under stacking of mineral rejects, subgrade & waste, it is given no generation of waste, further, it is stated that the waste generation will be back filled in the same pit is not appropriate. Until, the pit is confirmed for non-mineralized below the present strata, concurrent back filling is not allowed. However, the location for mining is relocated as per the above remarks, which needs to be attended.
  24. In para 8.3.1, under mined out land, the information furnished as 1.22 ha land is mined out at the beginning of 2015-16 is not correct and appropriate, which must be reconciled and corrected.
  25. Para 8.3.5: This table is not found to be prepared as per the guidelines.
  26. Para 8.6: Financial Assurance table is not found to be prepared in accordance with CCOM circular no. 4/2006. Copy of valid Bank Guarantee is not found to be enclosed.

## **PART-B**

### **27. Para 10: PLATES**

- a) Key Plan (Plate no. 01A): the approach road to the ML area need to be indicated with approximate distance. The extent of the area both as per ML deed & as per CEC also need to be given and in all the plates.
- b) Geological Plan (Plate no. 4): The existing bore holes and trial pits are need to be marked in red color code. The waste dump, stacks and other infrastructure if any need to be kept away from the UPL for the conservation point of view. Further, G-3 Stage exploration demarcation over the non-mineralised area should be removed. Dip & Strike are not found to be demarcated in the plan.

- c) Geological Sections (Plate no. 5): UNFC Category (viz. 111, 211) are not identified and demarcated within the cross sections. Blocked ore below UPL should be demarcated as 211 in sections nos. B-B' to G-G'. Proposed borehole locations are not drawn in the sections. Besides, the sectional view, it is clear that though, core drill holes & R.C. drill holes undertaken, but the litho present below the sections, shown only the iron ore and nothing below and within the section on the ultimate pit slopes, what is present is not indicated. Therefore, the sections drawn reveals incomplete only, which needs to be updated or further bore holes may be proposed for.
- d) Conceptual Plan & section (Plate no. 8 & 9): The conceptual section submitted reveals, as if the whole area is going to be completely back filled and planted, whereas the plan does not look like. Therefore, the plan and section should be prepared in such a way to present, what will be the position of workings at that time, and how it is going to be undertaken, whether any area is partly or fully going to be back filled or converted to water reservoir etc., should be dealt both in plan and sections. In the present submission, the same is not attended appropriately.

28. **Para 11, ANNEXURES:** List of annexures is not furnished in the document. Following items are required to be annexed with the document:

- a) Latest season environment monitoring data.
- b) Few photographs of the mining pit, existing dumps and boundary pillars.

#### **NOTE**

- 29. In most cases, annexure nos. are not matching with the text. Some of the annexures are not even found to be enclosed with the document but mentioned in the text.
- 30. All the tables in the document are required to be numbered and 'list of tables' should be displayed in the contents.