

SCRUPITY COMMENTS ON DRAFT MODIFICATION TO THE APPROVED MININGPLAN OF JAISINGHPUR IRON ORE MINE (ML NO. 2531) OF M/S ASHWATHANARAYANA SINGH & CO., OVER AN EXTENT OF 56.00 HA.(AS PER CEC)IN JAISINGHPUR VILLAGE,SANDUR TALUK, BELLARY DISTRICT OF KARNATAKA STATE SUBMITTED FOR APPROVAL UNDER RULE 17(3) OF MCR, 2016 .- PRIVATE/ FOREST / CAT – ‘A’FM/NON- CAPTIVE.PERIOD FROM 2016-17 TO 2019-20.

**COVER PAGE :**

1. Name of the document may be corrected as ‘Modifications in the approved Modified Mining Plan.’In the light of the above remarks, the text and the plates need to be attended, wherever applicable.
2. Rule for submission of the document may be corrected as under Rule 17(3) of MCR, 2016.
3. Category of the mine should be written as: Opencast, A (FM-Fully Mechanized).
4. The online registration number allotted under rule 45 of MCDR,1988 needs to be indicated on the cover page.
5. The status of the lessee should be written as private company. Besides, the forest land is given, whether it is reserve forest or other if any need to be specified.

**GENERAL :**

6. In para 1(b), the status of the lessee need to be mentioned as private company and not under public limited company.

**INTRODUCTION :**

7. A translated copy of the deemed extension letter no. DMG/ML/2531/2015-16 dated 07.05.2015 may be enclosed.

**LOCATION &ACCESSIBILITY :**

8. Para 2.0 (b): As per CEC Survey total extent of the ML is 56.00 Ha, but in table 2.1 and other relevant places of the document it is mentioned as 52.00 Ha., please clarify and correct it, whatever applicable.

**DETAILS OF APPROVED MINING PLAN/ SCHEME OF MINING,IF ANY:**

9. Para 3.1: Furnished information is incomplete. Date, reference and period of the all approved documents by IBM should be furnished in this chapter in a tabular form. Copy of Approval letter for each case with the proposal period should be enclosed as annexure.
10. Para 3.2: Furnished information is not correct.Modifications in the approved Mining Plan was approved by IBM dated 03.10.2007 for the period of 2007-08 to 2010-11.Reasons for modification is required to furnished here.
11. Para 3.3: All reviews should be furnished from the period of 2011-12 to 2015-16 in accordance with last approved Scheme of Mining dated 07.05.2014. Review from 2006-07 to 2010-11 is not required to elaborate here; since the same is already mentioned in last approved SOM.
12. Progress of R & R implementation work as on date should be discussed in this chapter.

**PART-A :**

13. Para 1.0, Geology & Exploration: Para & Sub-paras are not found to be arranged as per the guidelines, may be corrected in accordance with the guidelines.

14. Page 20, Geology of the lease area: Furnished information is inadequate and generalized. Location of the ML, strike and dip, physical properties, ore body extent and thickness are required to be discussed in this para briefly. Separate discussion should be given for Reef and float iron ore deposit present in the ML area.
15. Page 22, Details of prospecting/exploration already carried out: Analysis report of the six new core boreholes, i.e. from CBH- 10 to CBH-15 are not found enclosed. It is to be noted that, minimum 10% of the total collected samples are required to be analyzed from NABL/ other Govt. laboratory as per the existing procedure.
16. Page 23, Future programme of exploration: Few trial pits are required to be proposed at the float iron ore zone, located at Block-C area, presently the same area has been explored under G2 stage of exploration. A core borehole also is required to be proposed in between section nos. E-E' & F-F' within the iron ore reef.
17. Page 24, Reserves and Resources as per UNFC: Resources estimation under G3 stage of exploration is not found correct; it should be calculated within the iron ore mineralization area. Except the unexplored iron ore reef, located in between section nos. E-E' & F-F', there is no unexplored area is seen within the mineralized zone (Ref. Geological plan & Sections). In view of that, resource calculation under UNFC Cat. 333 should be corrected accordingly.
18. Page 25, Detailed calculation of Reserve/ Resources section-wise: It may be clarified in this document whether ongoing production is depleted from the Reserve or not? If not, subsequent production after drilling operation should be deducted from the proved Reserve (UNFC Cat. 111). It is to be noted that date of reserve estimation is given 'as on 20.01.2016'.
19. In para 2A(a) , the details of mining operation given without any concept of the ML area and the type of deposit/ rock present in the area, by stating mine operation involves blasting for hard strata, same para it is given, the strata if it is soft, and it can be excavated without use of drilling & blasting. The proposals should be modified, as discussed in the field to re-locate the location of working from western end towards eastern end, especially to start from the section A-A' towards C-C' in the lower side, instead of northern side. The whole proposals and the calculations of development/ production etc., should be modified, accordingly, wherever applicable. Besides, in the same para it is given the method of working as fully mechanized method category-B, there is no such category. The para need to be attended suitably referring the cover page remarks.
20. In para 2(b), the proposals of working given from C-C' to D-D' is not acceptable, since the location is not suitable, the location should be from A-A' to C-C' in the lower side (southern side), PI refer to the remarks, given in the plate No.6A. The calculation furnished need to be changed suitably.
21. In page-43, the dump re handling as six inactive dump(ID7), which should be corrected suitably.
22. Page 28: Irrelevant justifications/ description on UNFC Cat. 333 should be removed.
23. Para 8.4: 'Name of the Prospecting/ Exploration agency' may be removed from this para.
24. Para 8.3.5: Year-wise proposals should be corrected from F.Y. 2016-217 to 2019-20.
25. 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.
26. Para 8.7 and 8.8: This paras may be removed from Part-A. Certificates, Plans & Sections are to be furnished in Part-B.

## **PART-B:**

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

- a) Key Plan (Plate no. 1A): The approach road to the ML area should be indicated with approximate distance from a known place for reference.

- b) Surface Plan (Plate no.03): the surface plan drawn to depict various pits, dumps active, inactive, stacks, infrastructure etc., should be shown within the area fixed by CEC. Other than that should be avoided. In the light of the above remarks, the other plates may be attended.
- c) Geological Plan (Plate no. 4): G-3 Stage exploration demarcation over the non-mineralized area should be removed. Dip & Strike are not found to be demarcated in the plan. In Geological index, 'float iron ore' is not mentioned. Index of 'proposed trial pit' may be removed.
- d) Geological Sections (Plate no. 5): UNFC Category (viz. 111,122, 211, 222 & 333) are not demarcated within the cross sections. UPL is not drawn in section nos. A-A', B-B' & D-D'. Float iron ore zone in Block-C area should be demarcated as UNFC Cat. 122 or 222 in the sections.
- e) Development & production Plan (Plate no. 6A): The location proposed for working for the year 2016-17, is not suitable, since already excavation undertaken, further working will lead to high wall and unsafe condition, hence as discussed in the field and advised to start from western end i.e. at section A-A' towards east, also from the section F-F' to E-E' for the present proposals to be appropriate. In the light of the above remarks, the other proposals for the remaining years may be followed to avoid high wall working faces.
- f) Conceptual Plan & sections (Plate No. 8 & 9): The conceptual plan & sections were not attended to the reality, what will be position at the time final closure of the mine. What will be position at the time of closure and what are the steps / methods adopted to back fill the worked out area and the waste dumps, that are going to be stabilized as it is or used for back filling in the other areas may be dealt.
- g) Environment plan (plate No.10): The other ML areas present within the 500m buffer zone are not indicated for reference.

**28. Para 11, ANNEXURES:** Following items are required to be annexed with the document:

- a) Copy of the original 'mining plan' approval letter dated 11.10.2004.
- b) Copy of the 'approved modification in the mining plan' letter dated 03.10.2007.
- c) Translated copy of the deemed lease extension letter (ref annexure V).
- d) Chemical analysis report of the six new core boreholes, i.e. from CBH- 10 to CBH-15, minimum 10% of the total collected samples are required to be analyzed from NABL/ other Govt. laboratory.
- e) Latest season environment monitoring report, enclosed one is more than two years old.