

SCRUNITY COMMENTS ON ‘MODIFICATION TO THE REVIEW AND UPDATION OF MINING PLAN’ IN RESPECT OF JAISINGHPUR IRON ORE MINE (ML NO. 2545) OF M/S LAKSHMI MINERALS, OVER AN AREA OF 34.14 HA. SITUATED NEAR JAISINGHPUR VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

All the headings, subheadings should be replicated as per the standard guidelines as given in “*IBM Manual on Appraisal of Mining Plan 2014*”

COVER PAGE

1. Original period of the approved Mining Plan and proposed modification period to be mentioned clearly in the cover page.
2. Lease area in Ha and area in Forest /Non Forest must be given in the cover page.

INTRODUCTION

3. Since the Environmental Clearance (EC) has been expired, the details of the same may be mentioned in the introductory note.

GENERAL

4. Para 2.0(a): The table no. may be corrected accordingly in which the details of the boundary pillars are given.
5. Para 3.3: Review of earlier approved proposals in respect of exploration, excavation, reclamations may be given in a tabular column year wise along with reasons for deviation.
6. Para3.6: Since this document is submitted for modification, the reasons and justification for modifications may be given in this paragraph.

PART – A

Geology & Exploration

7. Para 1.0 (j): (i) Area explored under different levels of exploration may be mentioned in this para and the same may be marked on the geological plan as well.(ii) Percentage & quantity of fines generated is to be mentioned in the document.
8. Para 1.0(k): The area depleted by mining should be removed from reserve estimation. The same is required to be demarcated in the sections as well. The reserve calculation may be limited within 50 mts of public road passing along the boundary of the lease.
9. Para 1.0(l): In Table No.18, the reserve/resource table may be updated as on 01.04.2018.In page no.16, it is mentioned that mineralogical study was not done as this is a working mine. The same may be corrected.

Mining

10. Para 2.0 (a): The word A-OTFM may be replaced from the entire document.
11. Para 2.0(b): (i) 23 tonnage factor may be corrected. (ii) In Table No.20, the total tentative excavation in Tons is not matching, the same may be corrected. (iii) The tonnage conversion factor (TCF) or Bulk density and recovery factor of each of the material handled in the mines may be established on time series or substantiated by study report.

12. Para 2.0 (d): The calculation for adequacy and type of equipment proposal given for excavation may be reviewed and justified accordingly considering the total ROM handled & shifting of mineral from the screening plant to the mineral stocking yard.
13. Para 2.0 (e): In Table 23 a & 23 b, columns may be inserted giving the total volume of ROM, ore & waste generated mRL wise, year wise. It was observed during the inspection that in some of the trial pits the depth of the ore body is more than the average depth of 2.89 Mts. In that case, is there any proposal to increase the bench height or increase the no of working benches to conserve the mineral before the proposal of backfilling? The same may be commented in this paragraph.
14. Para 2.0 (f): The present positions of waste dumps with area, quantity, height, slope angle, dead/alive, no. of terraces, slope angle and stabilized/not stabilized may be given in a separate table along with precautionary measures envisaged for confinement of the OB/mineral reject/top soil dumps. These waste dumps may be described wrt UPL.
15. Para 4 (c): The location, proposed area and % of backfilling with respect to virgin land may be given in a tabular form. Since only 25% is generated as waste, the entire excavated area may not be possible to backfill. The same may be corrected in the sections of the production & development plans.
16. Para 5 (e): During field inspection, it was necessitated for crushing to bring down the size of ROM. Thus details of the crushing unit may be given & mentioned at all places wherever relevant.
17. Para 6.0(g): The activity wise requirement of water in mining and sources of supply may be given. Water balance chart may also be given.
18. Para 8.3: In Table no.34, the no of plants proposed to plant on the backfilled area may be given year wise.
19. Para 8.6: The area covered under waste dump, mineral storage mineral separation plant and green belt /afforestation wrt area put to use at the start and additional area required may be cross checked.

PART-B

PLATES:

- a) Geological Plan (Plate No. II/b): The area depleted by mining may be marked on the geological plan.
- b) Geological Cross Sections (Plate No. II/c): The area depleted by mining may be marked on the geological section.
- c) Production & development Plan (Plate No. III/d): The no. of benches shown on cross section is not matching with the working details given. This may be corrected accordingly.
- d) Financial area Assurance Plan (Plate No. VII): Detailed breakup of the area to be marked on the plate with outlines in different colours.

29. Annexure: Following items are required to be annexed with the document:

- a) Consent letter/Undertaking /Certificate from the applicant must be in original.
- b) Bulk density & recovery report may be enclosed.
- c) The correspondence pertaining to extension of EC may be annexed.
