

SCRUNITY COMMENTS IN RESPECT OF REVIEW AND UPDATATION OF MINING PLAN OF PATHIKONDA IRON ORE MINE (ML NO. 2587) OF M/S P. VENGANNA SETTY & BROS., OVER AN AREA OF 49.31 HA., SITUATED NEAR JAISINGPUR VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

COVER PAGE

1. Name of the document may be corrected as '*Review and Updatation of Mining Plan*'.
2. Rules for submission may be corrected as 'submitted under Rule 16(1) of MCR 2016 for review under Rule 17(1) of MCR 2016.
3. Mine Code and IBM registration no. should be mentioned in the cover page.
4. Degree/ Educational Qualification of the Qualified Person may only be furnished in the cover page.
5. Certificates and undertakings from the Nominated Owner and Qualified Person may be furnished in Part-B of the document.

INTRODUCTION

6. Date of first grant of the ML, date of commencement of mining operation, subsequent renewals, reference of last approved mining plan, approved production quantity by CEC, specific orders/ guidelines or notifications received from the regulatory bodies time to time pertaining to this ML may be discussed in this chapter briefly. No discussion is given on the Final Mine Closure Plan for as area of 73.84 Ha. which was already approved by IBM dated 23.09.2014.

GENERAL

7. Para 1.0 (d): Name of the mineral should be corrected as per the ML deed; similarly '*mineral which is the lessee intends to mine*' should be corrected.
8. Para 1.0 (f): As per Rule 15(1) of MCR, 2016 a qualified person should have a degree in mining engineering or a post graduate degree in Geology with professional experience of minimum five years of working in a supervisory capacity in the field of mining after obtaining the degree. Accordingly copies of relevant educational qualification and professional experience certificates may be enclosed.

LOCATION & ACCESSIBILITY

9. Para 2.0 (a): This para is not found to be prepared as per the guidelines, lease details are not mentioned. Co-ordinates of all boundary pillars should be furnished in para 2.0 (b).

DETAILS OF APPROVED MINING PLAN

10. Para 3.3: Reviews in respect of exploration, afforestation, reclamation etc. may be furnished from 2012-13 to 2016-17 (up to Oct. 2016), type of exploration should also be mentioned. **Year wise Reclamation & Rehabilitation proposals should be furnished in accordance with approved R & R Plan and progress till date required to be mentioned in this chapter.**
11. Para 3.4: Status of rectification of violations pointed out by IBM should be deliberated here.

PART- A

12. **This chapter of 'Geology and Exploration' is not found to be prepared as per the standard guidelines from para no. 1.0 (f) to para no. 1.0(l).**
13. Para 1.0 (e): Type of drilling during 2012-13 should be corrected as 'diamond drilling'.
14. Feasibility report is not found to be enclosed with the document,
15. **In Geological Sections UNFC Cat. 111, 122, 331 and 333 are mentioned, but section-wise Reserve/ Resources estimation as per UNFC is not furnished in the document. Justification of considering UNFC codes and 'date of estimation of reserve' should be mentioned.**

16. **Para 2.0 (Mining):** This chapter is not found to be furnished as per the guidelines, proposed excavation and production quantity from 2017-18 to 2019-20 is not clear (ref. page 16). Bench rectification works should be proposed during first year (F.Y.2017-18), as existing benches at south western side of the ML, in Block B, are damaged due to surface run-off.
17. **Para 4.0 (Stacking of mineral Rejects/ Sub-grade material and disposal of waste):** This chapter is not found to be furnished as per the guidelines. Manner of disposal of waste, configuration and sequence of year wise build up of dumps along with the proposals for protective measures should be discussed here in accordance with approved R&R plan.
18. **Para 5.0 (Use of mineral and mineral rejects) and Para 6.0 (Processing of ROM and mineral reject):** This chapters are not found to be furnished as per the guidelines.
19. Para 7.0 (b): Employment of Mining Engineer and Geologist should be proposed as per the statutory compliance of MCDR, 1988.
20. Para 8.1: Only existing land use pattern should be furnished in accordance with the latest surface plan, overlapped area is not found to be mentioned.
21. Para 8.3.5: Summary of year-wise proposals (from 2017-18 to 2019-20) for item no. 8.3 should be furnished as per the standard format. 'Actual position as on date' may be inserted as an additional column.
22. Para 8.4: Name, designation & contact no. of the person to be communicated in case of any emergency situation should be furnished in this para.
23. **Para 8.6: Total 'area put on use at start of the plan' should be corrected in accordance with the latest surface plan, duly indicating date of survey. Additional area requirement for mining and allied activities should be furnished in accordance with approved R&R plan. Copy of valid Bank Guarantee may be enclosed as annexure, valid up to 31.03.2020.**

PART-B

24. Para 9: All certificates & undertakings are to be furnished separately in Part-B as per new 2014 guidelines.
25. **Para 10, Plates:** Key plan, Surface plan, Geological Plan and Environment Plan should be prepared as per the provisions stipulated in Rule 28 of MCDR, 1988.
 - a) Surface Plan (Plate no. IIIA): Demarcation of North is not correct in the plan. Date of survey, name and signature of the surveyor is not mentioned in the plan; surface plan also should be duly signed by the mines manager/ mining engineer. Co-ordinates of the boundary pillars should be pasted on the plan, R & R activities and stack/ dump positions may be updated. Demarcation of Sub-grade stack may be corrected as BHQ stack.
 - b) Geological Plan (Plate no. IIIB): Diamond and DTH drilled boreholes should be demarcated in the plan with different colours. Strike and dip of the ore body and UPL is not shown in the plan. Borehole IDs are not legible.
 - c) Geological Sections (Plate no. IIIC): Old drilled boreholes and DTH holes are not shown in section lines. Section-wise Reserve / Resources estimation should be carried out as per the demarcated UNFC codes.
 - d) Production and Development Plans (Plate nos. IV/1 to IV/3): Bench rectification works should be proposed during first year as existing benches at south western side of the ML, in Block B are damaged due to surface run-off. Accordingly, Production and development plan for F.Y 2017-18 may be modified. Proposed pit designs (bench height and width) are not clear, the same should be joined with existing mine benches/ topography, haul road also should be demarcated. Year-wise proposed dumping and afforestation are not demarcated in the plans.

- e) Conceptual Mine Plan and Sections (Plate no. V): Since present ML is getting expired on 31.03.2020, Conceptual Mine Plan and Sections should be prepared till the date of expiry.
 - f) Progressive Mine Closure Plan (Plate no. VII): This plate may be removed from the document.
 - g) Financial Area Assurance Plan: A Financial Area Assurance Plan is required to be enclosed. Outlines of the proposed working, dumps, stacks, etc. covering all the items under the financial assurance table and *at the end of F.Y. 2019-20* may be shown (in 1:1000 or 1:2000 scale). Updated FA table should be pasted on this plan.
 - h) A Reclamation Plan also should be enclosed with the document.
26. **Para 11, Annexure:** Avoid any type of stamping in the annexure. Following items are required to be annexed with the document:
- a) Copy of ML deed for first grant.
 - b) Copy of the lease sketch as surveyed by the CEC.
 - c) Copy of ID and address proof of the nominated owner.
 - d) Copy of the list of board of directors with contact nos.
 - e) Copy of Qualification & Experience certificates of the qualified person.
 - f) Section-wise updated reserve and resource calculation, as per UNFC.
 - g) A feasibility report of the deposit.
 - h) Copy of the analysis report of BHQ from NABL/ similar accredited laboratory.
 - i) Copy of valid Bank Guarantee, valid till 31.03.2020.
 - j) Few photographs of mine pit, waste dumps, mineral stacks and R&R activities.
