

SCRUNITY COMMENTS ON MODIFICATION AND REVIEW OF MINING PLAN IN RESPECT OF HULIKATTE MANGANESE MINE (M.L NO. 2571) OF M/S BHARAT PARIKH & CO., OVER AN AREA OF 32.23 HA. SITUATED NEAR HULIKATTE AND HALEKALLU VILLAGES, JAGALUR AND DAVANAGERE TALUKS, DAVANAGERE DISTRICT OF KARNATAKA STATE. THE PRESENT MODIFICATION PERIOD IS FROM 2017-18 TO 2019-20, AGAINST THE PREVIOUS APPROVED DOCUMENT PERIOD 2015-16 TO 2019-20. CATEGORY-A(MECHANISED), NON-FOREST, NON-CAPTIVE MINE.

COVER PAGE

1. Date of first grant of the ML to be furnished in the cover page. The Modification & Review of Mining Plan including PMCP should be indicated.

INTRODUCTION

2. Copy of the ML deed for the first grant may be enclosed with the document.
3. Date of expiry of the ML may be corrected as 28.09.2035. Reason for non-working of the mine during 2016-17 should also be mentioned.

DETAILS OF APPROVED SCHEME OF MINING

4. Para 3.1: Date and reference of earlier approved documents should be furnished in a tabular format mentioning: document name, reference of approved letter and period of the document.
5. Para 3.3: Achieved production and development quantity during F.Y. 2016-17 should be corrected in accordance with Annual Return for the particular year.
6. Para 3.6: Justification for modification of the document may be corrected since present modification is submitted on ground of change in following aspects: reserve and resources, location of proposed mining and environment protective measures.

PART-A

7. Para 1.0(e): Nos. of borehole drilled in the ML area so far should be furnished in this para in a tabular format mentioning: type of borehole, Borehole ID, location, depth and angle.
8. Para 1.0(i): Total extent of mineralized area should be furnished here, and in line with that it is to be mentioned whether entire mineralized area has been explored under G1 stage or not. Entire potential mineralised area should be explored by detailed exploration (G1 stage) in accordance with Rule 12(3) of MCDR, 2017.
9. Para 1.0 (l): In page 22, recovery of manganese ore is mentioned as 50%; remaining interstitial waste should be included under 'total waste'. As per definition, mineral reject and sub-grade ore (i.e. non-saleable ore) is integral part of ROM which are required to be stacked separately for future market potential. In table-9 'date of estimation of reserve and resources' may be mentioned.
10. Para 2.0 A (a): The para need to be attended as per the existing method of working and the proposed method of workings. The existing number of pits, their sizes, top & bottom RLs and average depth etc., may be given in tabular form.(ii). Further, it is expected to brief on the slope of faces, direction of advancement, approach road to the working faces & specification of roads,

etc., to be marked. (iii). Also, the existing dumps spread parameters, height, slope protective works etc., to be marked. (iv). The bench wise, mRL wise, opening reserves, exploitation and the closing balance(reserves) should be furnished for the proposed periods. (v). In the light of the above remarks, the remaining part of the text and the plates may be attended.

11. Para 2.0 (b): In table 10, total volume of ROM is incorrect; interstitial waste is incorrectly included under 'mineral reject'.
12. Para 4.0 (a): Year-wise proposed generation of mineral reject quantity may be corrected in table-16.
13. Para 4.0 (b): Existing dump details (active and inactive) may be furnished in this para in a tabular format mentioning dump no, location, extent and height. Proposals of future dumping may be described briefly here.
14. Para 4.0 (c): Year-wise environment protective measures like construction of retention wall, gully plugs and check dams should be undertaken along the toe of the proposed active dump and inactive dumps to prevent escape of material[Ref. Rule 37(2) of MCDR, 2017]. In view of that, year-wise environment protective proposals may be furnished here in a tabular format.
15. Para 8.1: Existing land use pattern under different item-heads (Ref. table-20) are not matching with the Annual Return of 2016-17, the same may be corrected in accordance with latest pit survey.
16. Para 8.2: Mitigate measures to control air quality, water and noise pollution may be furnished here.
17. Para 8.3.5: No afforestation proposal is given under dump management item head; year-wise afforestation proposals should be given for inactive dumps.
18. Para 8.6: 'Area put on use at the start of the plan' should be corrected in accordance with latest pit survey.

PART-B

19. Para 10, Plates:

- a) **Key Plan (Plate 1A):** Nearby ML areas are required to be demarcated in this plan. Wind rose diagram may be drawn on this plan.
- b) **Surface Plan (Plate no. 03):** Mining pit and dump position should be updated as on 01.04.2017. Existing plantation and stack locations are not updated in the plan.
- c) **Geological Plan (Plate no. 04):** Area covered under G1 and G2 stage of exploration and UPL are not legible, may be demarcated clearly.
- d) **Year wise Development Plan (Plate No. 6A):** On the plate, it is required to indicate Development & Production Plan & sections. Besides, the plan need to be attended in line with the scrutiny remarks given in the para 2A. Year wise plan and sections should be updated as on 31/03/2018, 31/03/2019 & 31/03/2020.
- e) **Conceptual Plan & Section (Plate No.08):** The plan and the sections prepared reveals incomplete. Whatever the reclamation and the rehabilitation works undertaken in the sections are not matching with the plans.
- f) **Environmental Plan (Plate no. 10):** Few water monitoring stations may be proposed within and outside the ML (within buffer zone), at the north of the lease area where seasonal nallahs are originating.

g) **Financial Area Assurance Plan (Plate no. 11):** Only outlines of the proposed mine working, dumps, stacks, etc. covering all the items under the financial assurance table (Ref. Para 8.6) at the end of F.Y. 2019-20 in different colour should be shown in this plate.

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

- a) Copy of the ML deed for the first grant.
- b) Copy of the application given by the lessee to the State Govt. of Karnataka, seeking extension of ML period.
- c) Copy of the photo identity proof of the nominated owner, enclosed one is not legible.
- d) Copy of valid Bank Guarantee, in accordance with Rule 27(1) of MCDR, 2017, valid till 31.03.2020 may be enclosed.

21. Certificate

(a). The certificate to be furnished by qualified person should be as per IBM Manual of appraisal of Mining Plan 2014. It should be indicated MCDR,2017 instead of MCR,2016.