

**Scrutiny Comments on ‘Review and Updation of Mining Plan’ in respect of Kallur Limestone Mine of M/s Chettinad Cement Corporation Pvt. Ltd., ML No. 2648, covering 422.94 Ha. of area in Kallur Village, Chincholi Taluk of Kalaburagi District, Karnataka State.**

**COVER PAGE**

1. Name of the document to be corrected as “Review and Updation of Mining Plan”.
2. Rule for submission to be corrected as “under Rule 17(1) of MCR, 2016.”
3. Proposal period of the document should be mentioned.
4. Type of the non-forest land to be mentioned in the cover page.
5. Name of the agency prepared the document may be removed from the cover page.

**INTROCUCTION**

6. Date of commencement and present status of mining operation, status of other statutory clearances like EC, specific orders / guidelines or notifications received from the regulatory bodies time to time pertaining to this ML may be discussed in this chapter briefly with supporting documentary evidences.
7. List of other mining leases held by the lessee in other states may be furnished in this chapter.

**DETAILS OF THE APPROVED REVIEW AND UPDADATION OF MINING PLAN**

8. Para 3.3: In review of exploration, excavation, reclamation etc. all review positions may be furnished upto 30.09.2018 for F.Y. 2018-19. Reasons for deviations in respect of exploration and production proposals should be mentioned in this para.

**PART-A**

9. Para 1.0 (c): During site inspection and subsequent examination the drilled borehole data it was observed that low grade shaley limestone occurs at pit bottom with average grade of +34% CaO. In the local geology, mode of occurrences and quality of low grade limestone may be elaborated in light of the threshold value notification published by IBM dated 25.04.2018.
10. Para 1.0 (i): During the course of inspection it was observed that entire mineralized area has not been explored under G1 stage of exploration. Entire potential mineralised area should be explored by detailed exploration (G1 stage) in accordance with Rule 12(3) of MCDR, 2017. In view of that, future exploration proposal may be revised accordingly.  
35 nos. of boreholes have not been drilled by the lessee during Modification and Review of Mining Plan period as per the approved proposal. Hence instead of proposing 20 boreholes in each year during 2019-20 to 2020-21, an effort may be initiated to complete the entire exploration programme in F.Y. 2019-20.
11. Para 1.0 (j): Enhancement of total reserve from 179.5 million tonnes (as per the approved Modification and Review of Mining Plan) to 219.4 million tonnes should be justified in this para.

12. Para 1.0 (k): Following deficiencies have been observed in this para :
- a) In light of revised threshold value notification dated 25.04.2018, section wise resources of limestone should be carried out for all +34% CaO limestone with supporting borehole logs as annexure.
  - b) Since ore handling of this mine is more than one million tonnes per annum, Reserve and Resource calculation also should be furnished 'level wise slice plan' method. Variation of ore estimation, between 'cross sectional area' method and 'slice plan' method, if any, may be given.
  - c) Justification of 100% ore recovery in reserve estimation should be given.
13. Para 1.0 (l): Reserve and resource of the deposit should be updated as on 30.09.2018 by depleting concurrent mine production (ROM)/ handling of limestone (Ref. table no. 4.15).
14. Para 2.0 (b): In year wise insitu tentative excavation table (Table no. 5.4), bendable limestone should be corrected as 'mineral reject'. Quality of the mineral reject should be mentioned here with applicable blending%. Stripping ratios are furnished incorrectly in table nos. 5.4 and in table no. 5.5.
15. Para 4.0 (a): Year wise generation of mineral reject may be furnished in table no. 7.2 under 'bendable quantity' column. Provisions/locations of stacking of surplus mineral reject, if arises, should also be mentioned.
16. Para 4.0 (c): Environment protective measures like construction of retention wall, gully plugs and check dams should be undertaken along the toe of the proposed active dumps in 'A and B-Block' to prevent escape of material[Ref. Rule 37(2) of MCDR, 2017]. Year wise proposals may be furnished here in a tabular format.
17. Para 5.0 (e): Existing blending practice of low grade shaley limestone with high grade grey limestone should be discussed here with blending ratio.
18. Para 8.3.5: In 'summary of year wise proposal for item no. 8.3' from F.Y. 2019-20 to 2023-24, the column 'actual position as on date' may be furnished.
19. Para 8.6: All item heads of the Financial Assurance table are not found to be furnished as per the guidelines, the same should be prepared in accordance with the CCOM Circular no. 4/2006.
- Item heads of the Financial Assurance table in respect of 'Storage of top soil' and 'Overburden/ waste 'are not found to be furnished in concurrence with the last approved Modification and Review of Mining Plan. Area covered under OB/ waste dump has been furnished as nil; this may be clarified. Valid bank Guarantee is not found to be submitted by the lessee.

## **PART-B**

20. **Para 10, Plates:** Name and address of the consulting agency prepared the document may be removed from all plates.
- a) Surface Plan (Plate no. 3): Existing surface features and extent of existing mineral reject stacks, ore stacks and pit position should be updated in accordance with latest surface plan.
  - b) Geological Plan (Plate no. 4): Demarcation of G1 stage of exploration in eastern side of the Block A should be corrected as G2, in between section nos. B-B' to D-D'. Blocked

ore areas should be demarcated and indexed separately. All drilled boreholes should be uniformly demarcated in the plan with standard symbol. Locations of proposed boreholes are not shown.

- c) Geological Sections (Plate nos. 5A and 5B): Proposed borehole locations should be demarcated in the sections. BH nos. and UNFC codes are not legible in the sections.
- d) Production and Development Plans ( Plate nos. 6A to 6E): Year-wise development of ROM stacks should be drawn in all plates. Proposed year-wise afforestation and environment protective measures along the periphery of the dumps should be shown. Connecting haul road from mine pit (working faces) to propose dumping areas and to propose stacking areas should be demarcated.
- e) Environmental Plan (Plate no. 11): Year wise development of top soil stack, environmental protective measures along active dumps, construction of retention wall, gully plugs and check dams should be shown in this plate.
- f) Financial Area Assurance Plan (Plate no. 12): This plate should be renamed as mentioned and may be corrected in accordance with the comments offered for para no. 8.6, text part.

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

- a) Copy of the violation letters issued by IBM and compliance undertaken by the lessee.
- b) Reserve and resources estimation as per 'level wise slice plan' method.
- c) Latest season environment monitoring report.
- d) Copy of valid Bank Guarantee, in accordance with Rule 27(1) of MCDR, 2017, valid till 31.03.2023.
- e) Few recent photographs of boundary pillars, working mine pit, top soil stacking areas, ROM stacks and environment protective measures.

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