

Scrutiny Remarks on Modification to the Approved Mining Plan along with Progressive Mine Closure Plan for Kallakudi & Kovandakurichi Limestone Mine over an area of 166.00.5 hect. In Kallakudi, Kovandakurichi & Venkatachalapuram Villages in Lalgudi Taluk, Trichy District, Tamilnadu of M/s. Dalmia Cement (B) Ltd.

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Mine code: 38TMN14014

1. In the cover page, the MCR, 2016 may be given as MCR, 2016 (amended).
2. Digital signature of the authorized signatory and qualified person should be submitted.
3. Para 1.1.1: The details of the documents approved are given repeated and different dates are given which may be checked and corrected.
4. The mining plan document was modified on the last occasion on 29.5.2019 and within a year period, the document is being again submitted for modifications, which shows that the document was prepared without taking due consideration of mining, geological and statutory aspects.
5. Para 1.5.3.1: DGPS boundary pillars ID are mismatching with plan and text, i.e. KSK-10, 11 is not shown in the text, whereas, shown in the plans. Similarly, the boundary pillars in Kallakudi & Kovandakurichi Village are given whereas Venkatachapauram Village boundary pillars not mentioned.
6. Para 2.1.1: Lowest RL is differs 13.14 to 12.12.
7. Para 2.1.2: Name of the Railway Station, Port, SH, direction from periphery to be mentioned.
8. Para 2.2.1.14: Under this para, 166.00.5 hectares area shown as under G1 category but under Para 2.1.4.7, the area shown as 124.98 hectares which may be corrected.
9. Para 2.2.4.2: Depth and influences are shown same level, depth in m. should be shows the thickness of the deposit in particular section line, accordingly, all sections may be redrawn. Section lines may be drawn at regular intervals for better clarity. Accordingly, the reserves & resources may be re-estimated and furnished in the prescribed tables.
10. Para 2.2.1.5: Pitting details are old, not carried during the plan period. Hence, the same may be removed.
11. Chapter 3 : Mineral Beneficiation/Processing: Many of the columns left blank which may be filled with approximate details as given in the previous document.
12. Para 4.2.1.3: Details of the dumps stabilization not given.
13. Para 4.2.2.1: The bench parameters may be checked for its correctness.

14. Para 4.3.3: Dump workings: In the table, proposed dump handling quantity was given which may be shown as 'Nil' as no dumping working for extraction of the mineral is being proposed.
15. The maximum bench height given as 9 m. whereas width not mentioned.
16. Para 2.2.4.7: The feasibility report may be enclosed as Annexure.
17. The financial assurance submitted earlier in the table, the validity period of the bank guarantee may be given.
18. Para 4.2.2.2: Table should be given continuously in landscape form.
19. EC limit for 20 million tonnes only. Till obtaining the enhanced EC limit submission the production should be limited to the approved quantities by EC. As per EC condition "no 2 pits shall be simultaneously worked". Hence, proposal may be given in accordance with EC conditions and necessary changes may be incorporated in text and plates of the mining chapter.

**Plates:**

20. General : (i) 7.5 m. safety barrier should be shown in all plans and sections.  
(ii) The authenticated lease map from State Government should be submitted and all other plans and sections may be prepared based on the lease plan.
21. Plate no. 2: Lease plan: (i) Pit no.3 Block non-lease area has been shown as lease area which may be corrected.  
(ii) In the mining lease plan, position at boundary pillar no. 12 and 13 is not matching with that of surface plans and others which may be corrected.
22. Plate no. 3A & 3B: Surface and other plans: (i) During inspection, it was found that updated plans and sections not matching with field. Hence, updated plan should be submitted in final copies with date of survey and surveyor signature.  
(ii) In Surface plan, the present lease (GO No. 76) area was marked whereas other mining leases within the pits may be marked with different color code for clarity.  
(iii) Contour line may be shown only in virgin areas.  
(iv) Surface plan grid interval should be shown UTM co-ordinates, local grids may not be shown.
23. Plate no. 4A & 4B: (i) Geological Plan: Section lines drawn are not matching with the plan.  
(ii) Lithology of overburden / granite gneiss and dump material may be shown in different colors. Similarly, pit no.1 lithology in some portions left blank which may be shown.

- (iii) Section BB' – The Marl portion is not matching with the Geological plan.
- (iv) Section CC' – BH no. KLK2-1115 In the plan it is in Marl, but, in section it is in Limestone which may be corrected. The proposed depth (RL) between any two section lines drawn should be proportionate to the lateral development. Accordingly, the section lines may be checked and redrawn.
24. Plate 6A: Working proposals RLs to be shown.
25. Plate 6B: Ultimate Pit Limit not marked.
26. Plate 7A: Section GG' and HH' in working plan common boundary permission obtained or not may be mentioned.
27. Plate 7B: Section K – K' Mineral occurrence shown in 2 places in Section whereas in plan it is not matching.
28. Plate 12A: Environment Plan : Existing features like Village, infrastructure and adjoining leases may be shown. 60 m. core zone not marked in the plan.