

Inspection report cum scrutiny Comments on Review of Mining Plan submitted under rule 17 by M/s Dalmia Cement Bharat Limited for it's Nawabpet-Talamanchipatnam Limestone Mine situated in Nawabpet, Talamanchipatnam village and MylavaramMandal District Kadapa , A.P after field inspection dated 26.10.2017.

1. In the introduction chapter, submit the installed plant capacity, proposal for supply from the feeding mines and clarify whether the approved mining plan/ review of mining plan document capacities thereof are sufficient to meet the plant requirement. The approved capacity of the feeding mines should suffice the plant requirement.
2. It has been made to understand that mining is proposed from two mines for this plant. The total approved production from these two mines should be of the order of the total limestone requirement by the plant. During the field inspection that the lessee is having another lease in the name of Eeswar cement but the same has not been worked. Clarify.
3. The total number of leases held by the lessee be submitted.
4. In para 1.0(a), submit the name of nominated owner as the name of applicant along with the name of company and his mobile number/ phone number, email be furnished. Registered address of the company as per company registration be furnished.
5. The certificate of incorporation of the company be enclosed.

Review of Mining Plan

6. Review of development and production be given in tabular form only. The review of development be given for clay and top soil separately. It has been observed that separate benches of clay and soil have not been maintained as per approved document. Separate record of clay and soil dump too has not been submitted.
7. As per the approved document it was proposed to use the BC Soil for plantation and dumping of the clay at ear marked site. But the same has not been done clarify with reason.
8. Review of topsoil generation and clay/ overburden generation be reviewed separately.
9. Review of environmental parameter (Air, water , noise, vibration), afforestation be submitted.
10. Review of area under dump for soil and overburden(Clay) be submitted separately.
11. In paara 3.6 regarding reason for modification; ' Not applicable may be submitted.

Geology

12. In the surface Plan, top soil and clay bench be marked with different colours. The planatation undertaken in the last scheme period be marked with different coloured annotation.
13. The UTM and GPS coordinates of the bench mark be submitted.
14. Both Geological plan and section are not made on same natural scale. The same be submitted on the scale of 1:2000 for proper view of lithounits in the geological section. Dip and strike be marked.
15. All The three lithounits be marked on the Geological plan as per the sub surface data revealed from the drilled boreholes.
16. Geological level of exploration be marked as per MEMC guidelines on the plan and UNFC code be given in sections. The area under different level of exploration be submitted in the document.
17. On page 16, it has been noted that the location of the earlier drilled boreholes have been changed . Clarify the reason thereof and how it has been changed. The corresponding UTM reading s of all the previously drilled boreholes be given in table. Also clarify whether the north submitted in the document submitted in last approved document and the present document are same i.e, true or magnetic. Otherwise the lessee may continue with the old grid.
18. In Part A para 1.0(e) (iii) submit clearly whether the samples of the holes drilled in last scheme period have been drawn and prepared under the supervision of the Geologist appointed under rule 55. Also submit the total number of samples prepared and whether the 10% sample have been assessed at the NABL accredited laboratory or not. NABL accreditation certificate of LUCID lab be enclosed for the purpose.
19. It has been noted that the old form K has been retyped which is incorrect. Therefore old form K from the approved document should be submitted. Also noted that the lithounits have not been marked correctly on the revised form K of old boreholes.

20. Every plan, section or part thereof prepared under these rules shall be signed by the mining engineer with date.
 21. The geological sections prepared earlier be updated as per new boreholes and submitted. The geological plans and sections shall be certified and signed by the geologist employed under rule 55.
 22. In light of the above the reserves need to be reassessed for limestone upto threshold value and correctly coded as per MEMC Rules.
 23. The feasibility report need to be correctly submitted. The capital cost at mines, costing data be properly and correctly submitted from the returns and the economic viability need to be assessed properly.
 24. In part A para 1.0(j) Parameters considered for reserve / resource calculation be submitted separately.
- Mining
25. The Limestone bench position should be assessed as on 31.03.2018. The clay and top soil benches should be marked with different annotations.
 26. The proposal for 17-18 should be strictly in line with the already approved document only. The backfilling proposed for 2017-18 is not acceptable at present.
 27. It has been noticed that the backfilling of the yellow clay has been proposed , which is incorrect and being a minor mineral, it's backfilling cannot be allowed by IBM unless the permission in this regard is obtained from the competent authority of the State Government. However separate stacking thereof may be done at earmarked place. Separate stacking of clay be proposed accordingly.
 28. The clay dumps have been covered by black cotton soil Clarify the reason thereof and further proposal for backfilling of these dumps can only accepted after letter from Department fo Mines and Geology regarding of these dumps need to be corrected accordingly.
 29. The bench parameters need to be discussed for clay and soil. The separate benches for BC soil and clay be proposed and should be kept sufficiently advanced. The proposed bench floor RL be discussed.
 30. Topsoil cannot be considered as waste as mentioned in the document. Corrections be undertaken accordingly in the document.
 31. The machinery calculation be corrected in light of comment on production capacity of this mine.
Conceptual mine plan
 32. The life of the mine be corrected in light of the comment on the resource calculation.
 33. In the conceptual exploration the proposal should be given for converting the area under G3/4 to G1, but same has not been done. Clarify.
 34. Discuss the conceptual exploration, afforestation , dump, reclamation in detail. The permission of the State government be submitted for backfilling of clay.
Mine drainage.
 35. The depth of water table submitted in the text and hydrogeological report are different. Clarify. The make of water in the pit has not been assessed in the said report with the proposed mining.
Progressive Mine Closure plan
 36. The base line data need to be submitted.
 37. The back log of the PMCP measures be discussed along with the justifiable time frame for it's completion.
 38. The land use pattern need to be corrected. The backfilling of clay cannot be considered as reclamation and accordingly correction be done in the table for land put to use
 39. In para 8.3.5 year wise proposal for reclamation has not been filled. Needs correction. The garland drain and retaining wall be proposed at the toe of the top soil dump as per requirement. The reclamation proposal be shown on the reclamation plan.
 40. If due to aforesaid changes, the data in other chapter or plates changes, they may please be corrected accordingly and also ensure the consistency of the data submitted in various chapters of the document.

