

Inspection report cum scrutiny comment on the Review of Mining Plan submitted by M/s Ramco Cements Limited for Chintalayapalle Limestone Mine after field inspection dated 15.2.2018

1. The land classification on cover page and para 2.0(b) be supported with documentary evidence.
2. The document needs to be submitted by the nominated owner and not the authorised signatory, as per manual for appraisal of Mining Plan. Hence the same should be corrected. The Board of Directors resolution in favour of nominated owner be submitted.
3. As per Annexure 6 (Memo No 576/M.III(I)/2015 dated 16.10.2015, state government has already granted extensions for commencement of mining operation and last extension is valid upto 13.10.2018. The plant has not been established so far. So in light of it, why the document should be approved beyond 13.10.2018 be clarified in the document.
4. When the mine has not been opened, notice of sinking bore hole has not been submitted, the original mining plan has not been executed then for what reason the review of mining plan has been submitted under rule 17(2) of MCR 2016.
5. It has been noted that the lessee has not obtained the environment clearance so far, the term of Reference for obtaining EC has been submitted for 4 million tonnes per annum of lime stone production for this mine without having the approval of the document. In light of it, Justify the proposed plant capacity, total limestone requirement and rated limestone production capacities of all the feeding four mines. The board of Directors resolution for putting up a plant of increased capacity of ---- MTPA be submitted. NCBM report for assessing the conversion factor for this mine be submitted.
6. On page 3 , contradictory submissions have been made regarding market position and the lessee's intent to put up a plant, which creates doubt regarding the installation of the plant. Hence unambiguous submission be made.
7. General 1.0(a), submission to be made as per above comment on nominated owner. The duly attested copy of Registration data submitted by the lessee on registration form as per rule 45 of MCDR be submitted. The registered address and email be submitted accordingly.
8. Discuss the status of all the feeder mines for this plant and also other lease held by the lessee.

Location and accessibility

9. On page 7, information regarding nearest railway siding be submitted as well.
10. It has been noted that the lease sketch submitted along with the lease deed and the sketch submitted now are different specifically w.r. to the shape and orientation. Any change in sketch need to be accepted by the State Government. In the absence of letter from the competent authorities of State Government regarding processing on new lease sketch, the document cannot be processed.
11. The key plan, lease sketches shown in the document is not required and be removed.
12. In the general location map submit the location of proposed cement plant, crusher location etc.

Details of approved Mining Plan

13. Reason for Deviation in exploration is not justified and hence cannot be accepted . Correction required.
14. The exploration has not been undertaken as per the approved proposal. The 28 boreholes reportedly undertaken in 2009 are neither reported through annual returns nor has the notice of intimation of sinking borehole been received by this

- office. Even the notice of opening of mine too has not been submitted as per MCDR 2018. Hence the cognizance of the same can not be taken.
15. The lithounits marked in the Form K and that submitted in the text are not matching. In the local geology, discuss the various lithounits, its characteristics, grade range etc and comment on the pay zone.
 16. The mineral in the western part of the lease is exposed and looks like a flaggy limestone. The systematic surface samples be taken from the area and it's analysis submitted in the document.
 17. The grid lines for the plates should not be changed so that the position of previous boreholes and other field data can be established correctly. It has been seen that bench mark w.r.t which the lease has been surveyed are changed. Hence clarify whether the new bench mark was surveyed w.r.to the previous bench mark or not. If not , the link between bench mark submitted in last approved document and this document be connected and submitted. The same should be shown in all relevant plates. Further it need to be certified that the surface features are plotted w.r.t which bench mark.
 18. In the previous approved document bulk density was established on the basis of field tests as 2.7 T / cu m but it has now been assumed as 2.5, clarify the reason there for.
 19. The drainage pattern in the last approved Plans is shown to be changed without any development. Clarify/ correct.
 20. The lithocontact established during last approved document has not been marked. The 16 core boreholes, undertaken by MECL, have not been marked on the relevant plans and sections. Clarify/ correct it.
 21. The area under different levels of geological exploration and it's quantity be established.
 22. Clarify as why the road from Itkyala to Chenampalle has not been marked on the plates.
 23. The reserves/ resources should be assessed as per MEMC rules with grade as per MECL data whose cognizance was taken during the approval of last document. The plants and section be corrected to show the boreholes of MECL only.
 24. Noted that the cut off grade for the plant has been submitted on page 26 as 43.5% CaO and 13.5% SiO₂. Record the reason for considering the total mineral resource as reserves.
 25. The weighted average grade of various lithounits, the deposit and the tonnage need to be established assessed and categorised correctly as per MEMC Rules basing on the holes for which cognizance is taken.
 26. The resource under unexplored area should be established on the basis of geological extrapolation.
 27. Also discuss the status of various statutory permissions under E axis .
 28. Future exploration proposal be given to make up for the violation immediately in very first year.

Mining

29. Discuss the crusher location, transport of mineral from mine to crusher. The site of this infrastructure if lying within 500m be shown on environment plan else it may be shown on location plan/ key plan.
30. The reason for modification in location of crusher plant be justified
31. Year wise plan showing development bench and production bench be submitted.
32. The proposal for increase in production is not justified as there is no increase in reserve base and lessee has not undertaken the exploration proposal as per approved mining plan proposal.

33. Further rated production capacity of the mine should commensurate with the plant requirement and sum total of all the feeder mines should commensurate with the limestone requirement of plant.
34. Discuss the explosive requirement, magazine capacity and the status of permission w.r.to the magazine from PESO.

Conceptual Mining Plan

35. Ultimate pit depth, rated capacity and life of mine be corrected in line of above comment.
36. The chapter be revise in light of the comment on Mining chapter.
37. The land use pattern be corrected .

Mine Drainage

38. In 3.0(a), The documentary support regarding Ground water table be submitted as well. Depth of water tyable be submitted in terms of mRL.
39. In 3.0(b) submit the maximum and minimum depth of working.
40. In 3.0(e), proposal should be given for settling pond and quality check before release of water outside the lease.

Stacking of Mineral reject and waste

41. The top soil spreading proposal should only be given for plantation purposes. . Stacking proposal within 7.5m zone should be avoided. The sufficiency of land for spreading of top soil for plantation purpose be submitted.
42. On page 62 employment potential be submitted for 2 shift working.

Progressive Mine Closure Plan

43. The name of agency which has collected the base line data be recorded. Clarify whether the base line data has been taken as per MoEF Guideline.
44. In para 8.3.1 submit the sufficiency of land for spreading the top soil . Also submit the change in land profile as well.
45. The bank guarantee should be submitted as per the land put to use.
46. If due to aforesaid changes, the data in other chapter or plates changes, they may please be done accordingly and ensure the consistency of the data submitted in various chapters of the document.
