

Table scrutiny comments on Modification in the Approved Mining Plan of Racherla Limestone Mine of M/s Rain Cements Ltd. over an area of 510.25 hectares in Racherla village, Peapully Mandal, Kurnool District, Andhra Pradesh.

General

1. Please submit the validity of the lease period w.r.t section 8A(5) of MMDR Act,1957.
2. Enclosures of the consent order for establishment issued by pollution control board shall be submitted along with the consent order.
3. Limestone consumption factor report shall be submitted.

Review of Mining plan

4. Reasons for not carrying out exploration as per proposal shall be submitted.
5. It is mentioned that 6194 m³ of top soil is generated against the proposal of 3463 m³ for the year 2018-19, whereas top soil generation is not reported in the annual returns submitted for the year 2018-19. Please explain.
6. In the year 2018-19 no proposal were made for afforestation within mining lease and 2000 saplings were proposed outside mining lease, whereas it is mentioned that 766 saplings within mining lease and 1493 outside mining lease were planted. Reasons for not carrying out afforestation as per proposal shall be submitted.
7. Retaining wall of 372m in 2018-19 and 1350m in 2019-20 were proposed in the previous approved Mining Plan. Status of construction of retaining wall proposed shall be submitted.
8. Garland drain of 265m in 2018-19 and 265m in 2019-20 were proposed in the previous approved Mining Plan. Status of construction of garland drain proposed shall be submitted.
9. Status of compliance of violations pointed out by IBM shall be submitted correctly.

Geology and Exploration

10. Lessee should carry out detailed exploration (G1 level) over the entire potentially mineralized area under the mining lease within a period of 5 years from the date of opening of mine.
11. In the previous approved document it is submitted that soil cover is black cotton soil whereas in the document submitted the colour and soil details are different. Clarify it.
12. The silica percentage range of light grey limestone is mentioned as 13 to 17%, whereas in the previous approved document it is submitted as 13% - 15%. Clarify it.
13. In the green limestone litho unit description, the details mentioned about TCO₃ and SiO₂ shall be clarified.
14. In page no.30 it is mentioned that amount of Rs.1,04,676/- incurred for drilling and Rs.10,79,802.48/- incurred for sample analysis. Documentary evidence for expenditure incurred shall be submitted.
15. Lithology wise limestone quantity and its weighted average grade shall be submitted.

Mining

16. The year wise, bench wise weighted avg. grade of the blocks proposed to be mined be submitted.
17. Specifications & details of the machineries like model, imported/exported, max. reach height, width etc., shall be submitted.
18. Production was not achieved as proposed for the year 2018-19 & 2019-20. Whereas production proposal has been increased for the years 2020-21, 2021-22 & 2022-23 compared to the previous approved mining plan. Please justify it.

19. In the document submitted it is mentioned that the ultimate pit slope as 60⁰, which is not acceptable. The ultimate pit slope shall be maintained for 45⁰ and the proposal shall be given as such. For maintaining slope steeper than 45⁰, approval from DGMS has to be submitted
20. DGMS permission for deploying Heavy earth moving machinery shall be submitted.
21. The plan of common boundary working permission with ML-2 shall be submitted.
22. Blasting parameters like blast geometry, stemming, decking, powder factor etc., shall be submitted.
23. The blast vibrations monitoring report which is submitted for DGMS India (A). Monitoring report of DGMS India (B) standard shall be submitted.
24. The blast vibration monitoring report is not containing the details like location of blast, location of blast vibration monitoring station, max. charge per delay etc.,
25. It is mentioned that average charge per delay is 85kgs. Any scientific study carried out for fixing the max./avg. charge per delay shall be submitted.
26. The bench RL planned to work in the document submitted is different from the previous approved mining plan. Clarify it.

Conceptual plan

27. Conceptual plan to be prepared for the entire lease area showing UPL, life of the mine, conceptual exploration, pit dimension, land use pattern, status of reclamation and re-habilitation, land use, position of pit, dumps, dump re-handling proposals, green belt development etc. at the end of this 5 year period and at the end of the lease period.

Mine Drianage

28. Sump proposal shall be submitted.
29. Likely make of water into the pit and pump capacity shall be submitted.

Stacking of Mineral/Sub grade Mineral and waste disposal

30. The mineralogical composition of the yellow ochre shall be submitted.
31. The existing dumps and the proposed dumps co-ordinates shall be submitted.
32. Retaining wall and garland drain proposal shall be submitted for the existing dump.
33. Retaining wall and garland drain shall be submitted for proposed dump.

Progressive Mine Closure Plan:

34. Details of waste dump protective measures with scientific study shall be submitted.

Plans and Sections:

35. The existing dumps and the proposed dumps shall be numbered and the same shall be recorded in the text.
36. The contents in the plans w.r.t to the index shall be matched.
37. Proposals and features within the lease area shall be shown in the plans and sections submitted.
38. In the environmental plan all the features lying within the 500m radius from the ML needs to be demarcated.

Others:

39. Statutory Surveyor deployment is not mentioned in the employment potential.