

Inspection report cum scrutiny comments on the Mining Plan and Progressive Mine Closure Plan for Chintalayapalli-Abdullapuram-Korumanipalli Limestone Block (408.138 ha.) at Chintalayapalli, Abdullapuram, Korumanipalli village, Kolimigundla Mandal, Kurnool Andhra Pradesh after field inspection dated 3/5/19

1. The true copies of the geological report and precise area plan of the allotted area, issued by State Government be enclosed. All the plans and sections should have certificate by QP 'That the plans and sections are prepared based on the lease map authenticated by the State Government.
2. It has been submitted that applicant will put up a cement plant for 3.3 million tones per annum clinker capacity in the near vicinity, for which , reportedly, the land has neither been procured nor any location has been fixed. So in the absence of it how the plant economics have been established may please be clarified and submitted in the document. The plant capacity seems to be high in comparison to the available resource for mining. It may be reviewed. Brief summary of feasibility report of plant covering the brief information on fixed capital cost (which includes land, civil cost, machinery and equipment , projecting cost etc, equity capital and long term loan etc) Working capital, financial/economic analysis thereof be enclosed. Clarify the credibility of data regarding market survey which have been relied upon for preparation of Feasibility report.
3. Key Plan: the same be plotted on toposheet and submitted.
4. Lease sketch/ cadastral plan (true to the scale) issued by the authorised officer of the State Government for the purpose be enclosed.
5. All the Plates should bear a certificate that the plans and sections have been prepared on the basis of lease sketch provided by the State Government.

General

6. Survey Plan: The bore holes for water are also seen in the area which have not been marked on the surface plans. Same should be surveyed and submitted in the surface plans. The temporary bench mark be plotted on the surface plan. Surface Plan be certified by the DGMS certified surveyor.

Part A

Geology and Exploration:

7. It has been noted that the geological plan issued by the State Government along with the Geological report has not been submitted. It is therefore advised to submit the complete copy of Geological report.
8. In light of the experience in the adjoining areas, the useability of flaggy limestone may be ascertained during the proposed exploration upto G1 level by the applicant. The yearwise exploration be proposed upto the sandstone.
9. The auctioned block and the area under Geological Report are in variance. So, the total number of boreholes and pits falling in the auctioned block be mentioned in para 2.0(i).
10. The resources have been found to be assessed for about 170 hectare area only whereas the lease is granted for 386 hectare for mining. The reason for not assessing the resource in the remaining area may please be obtained and submitted with proper justification from the concerned authority (GSI/State DMG). The precise area over which the resource has been calculated by State Government be obtained from the competent authority and shown accordingly in the Geological Plan.
The certified copy of reserve/ resource calculation for the block over which LoI has been issued be obtained and submitted. The chemical analysis and resource calculation of flaggy limestone, as available with the State Government may be obtained and submitted. Comment on the break even economic stripping ratio and submit the ultimate pit limit accordingly in the geological plan. The pit limits be marked accordingly in the sections and feasibility resource be calculated thereafter
11. The Geological plans and sections should preferably be submitted on the same scale. The sections be drawn along dip direction for the complete lease area to delineate the ore body. It has been noted that the sections are not drawn in the western part of the lease across the strike direction.

12. Geological cross sections are not corroborating with the geological information in the Geological report i.e, reserve calculation is done over 172 hectare and ultimate pits are extending much beyond it.
13. The cut off grade of limestone be corrected as per cement plant requirement.

Mining

1. Establishment of crusher be proposed in mining amenities area as the present proposal between pillar number 82-83 is blocking the mineralized land and it may be averted. Capacity of crusher plant , it's type size and it's location be discussed.
2. In the area normally benches are maintained of 7-8m height but you have proposed a bench height of 10m which may be reexamined and corrected considering boom height of the machinery proposed.
3. As per the geological report, Flaggy limestone is lying above the cement grade limestone as overburden which may also be categorised as mineral reject. Since it may have economic value, it may be assessed as mineral reject of limestone in yearwise excavation calculation.
4. The temporary top soil dump has been proposed on the mineralised land which may be proposed in the area demarcated for mining amenities. Soil stack and OB dump / flaggy limestone dump be proposed in the mining amenities area only as far as practical.
5. Soil has been categorised as top soil and sub soil , how the same has been categorised be checked and submitted. Separate dumping be proposed for top soil and sub soil accordingly. The area marked for the use of top soil be marked in the production plates.
6. Annotation for soil dump in the index is not found matching with the submission in the plates.
7. Five million tonne Limestone requirement for a plant of 3million tonnes has been assessed. Clarify whether the conversion factor has been assessed scientifically from NCBM or not. The gestation period for putting up the plant be judiciously assessed and mining proposal be given accordingly.
8. Discuss the suitability of the proposed machine boom length w.r.t the bench height proposal of 10m (max).
9. On page 43 and 44 it was submitted that report were submitted to IBm which may be checked and correct.
10. On page 44 it has been submitted that the baseline data w.r.t water has not been generated which need to be collected and submitted.
11. On page 57 discuss the frequency of blasting daily, weekly, spacing of the hole and optimum burden.

Conceptual Plan

12. In the conceptual section backfilling has been shown but in the plan same is not marked.
13. Conceptual afforestation is also not shown in the plan.
14. It is noticed that afforestation is proposed at a rate of just 1 hectare per year. It is advised that 30% of the land degraded in the five years block should be proposed for plantation by distributing the work in first five years equally. The plantation should be proposed near pit and dump in order to avoid the dust getting air borne.
15. The ultimate pit limit is demarcated over 332.02 hectare whereas the reserves calculated over 170 ha. Hence the reason for extension of UPL beyond the mineable area need to be checked, corrected and properly justified.
16. The document in support of existing land use pattern of the auctioned block duly issue by the State Government be submitted.

Mine Drainage

17. The water table be submitted as per the adjoining boreholes/ well and submitted in terms of mRL.
18. In para 3.0 (b), The maximum and minimum depth of working be assessed from the existing boreholes in the area. The data from the government agency in this regard may also be submitted.
19. The quantity and quality of water likely to be encountered be submitted in 3.0© along with the pumping arrangement for it.

Stacking of mineral:

20. The information about mineral reject need to be corrected in light of the comments.

21. The proposed location of both top soil dump and flaggy limestone dump be given.

Use of mineral

22. In para 5.0(a), The grade of limestone required by captive plant be discussed vis-à-vis the availability there of in the mines.

23. The crusher capacity, type, size and location may also be discussed.

24. If crusher installed in the area demarcated for mining amenities.

25. The Infrastructure within the mine like workshop, its place, parking and office be shown in the plates.

Progressive Mine closure Plan

26. At least one season data is required for the base line information on air, water and noise. The number of trees in the lease area be submitted.

27. On page no. 100 regarding water quality, the mitigation measures like garland drain check drains for preventing the surface run off from the dumps be proposed and shown in reclamation plan.

28. The mitigation measures for air and water be proposed for crusher. Plantation may also be proposed for the purpose.

29. The disposal mechanism for oil and lubricants to authorised vendors and not mixing it in the drain be proposed. The yearwise reclamation proposal be corrected in light of above comments.

30. Land use pattern after five years be checked and corrected in light of scrutiny comments.

31. All the Annexures in text be indexed and submitted.

32. 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.



भारत सरकार/Government of India
खान मंत्रालय/Ministry of Mines
भारतीय खान ब्यूरो/Indian Bureau of Mines
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



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Date. 16.05.2019

To
Shri. U.Bhargav, Managing Director & Nominated Owner,
M/S Adani Cementation Ltd.,
Adani House,56,Shrimali Society,Navrangpura,
Ahmedabad-308 009,
Gujarat State.

Sub: Submission of Mining Plan in respect of CAK(Chinthyalapalle-Abdullapuram-Korumanipalli) Limestone Block (Auctioned Area) of M/S Adani Cementation Ltd. over an extent of 408.138 Hc. in Chinthyalapalle-Abdullapuram-Korumanipalli Villages, Kolimigundla Mandal, Kurnool district, Andhra Pradesh submitted under Rule 16(1) of MCR, 2016.

Ref: Your letter no. nil dated. 08.04.2019 and received by this office on 18.04.2019.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 03.05.2019 by Shri Manish Mandiratta,DCOM, accompanied by Shri Rakesh Purohit, Qualified Person and Shri Bhanu Bhatnagar, Mines Representative. The draft Mining Plan has since been examined, the same scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e bhanu.bhatnagar@adani.com, rkconsultantsjodhpur@gmail.com and soni.sarnar.shailendra@gmail.com as submitted in the document.

02. You are advised to attend these deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (2Nos.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rs.Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs.Ten lakhs as per the provision of Rule 27(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.

03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.

Yours faithfully,

(Shailendra Kumar)
Regional Controller of Mines

Copy Shri Rakesh Purohit,QP,and S.K.Soni, QP. for information and necessary action.

(Shailendra Kumar)
Regional Controller of Mines

मूल पति पर नहींकष्ट
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

