



Hkkjr ljdkj/Government of India  
[kku ea=ky;/Ministry of Mines  
Hkkjrh; [kku C;wjks/Indian Bureau of Mines  
gSnjkckn {ks=h; dk;kZy;/Hyderabad Regional Office



Phone No. : (040)-27539992/2753993  
Fax No.(TF): (040)-27539991  
E-Mail : ro.hyderabad@ibm.gov.in  
No. AP /GNR/MP/ Lst-135/Hyd

Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date. 21.10.2020..

To  
Sri Prakash Narayan Chhangani,Nominated Owner,  
M/S.Shree Cement Ltd.,  
Bangur Nagar,Post box No.33,  
Beawar-305 901.

Sub: Submission of Review of Mining Plan in respect of Kachavaram Limestone mine of M/S.Shree Cement Limited over an extent of 283.585 ha. in Kachavaram and Inuparajupalli Villages,Karempudi Mandal,Guntur District,A.P. Submitted under Rule 17(2) of MCR, 2016.

Ref: Your letter no.SCL/MINE/IBM/KCV/AP/2020-21/6201 dated 29.09.2020.

Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 12.10.2020 by Shri Ibrahim Sharief, Sr.ACOM accompanied by Sri Om Prakash Sharma,Qualified Person, Sri Yogesh Dadich, Geologist and Shri Chandrasekhar,Manager (P & A ) of Shree Cements Ltd. and found certain deficiencies in the form of scrutiny comments as given in Annexure. The same scrutiny comments have been forwarded to you and your Qualified Persons on e.mail ids i.e., [shreebwr@shreecement.com](mailto:shreebwr@shreecement.com), [gargmk@shreecement.com](mailto:gargmk@shreecement.com) and [sharmaomprakash@shreecement.com](mailto:sharmaomprakash@shreecement.com)

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 (3Nos.) 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 to:  
Sri Mahendra Kumar Garg, QP and Sri Om Prakash Sharma, QP for information.

(Shailendra Kumar)  
Regional Controller of Mines

ewy ifr ij ughasd/-  
[kku fu;a=d (n), Hkkjrh; [kku C;wjks] csaxyq:A

( )  
( )  
{ks=h; [kku fu;a=d

**Scrutiny comments on the Review of Mining Plan of Kachavaram Limestone Mine over an extent of 283.585. Ha in Inuparajupalli & Kachavaram Villages, Karempudi Mandal, Guntur District of Andhra Pradesh State granted in favor of M/s Shree Cements Ltd.**

Date of inspection: 12.10.2020

Accompanying Mine officials:- Sri Om Prakash Sharma, Qualified Person, Sri Yogesh Dadichi, Geologist and Sri Chandrasekhar, Manager (P&A) of M/s Sree Cement Ltd.

1. The document should be submitted as per the format of “IBM Manual for appraisal of mining 2014”.
2. Consent Letter/ Certification/ Undertaking by the applicant should be submitted on company’s original letter head duly dated & signed.
3. Certification by QP should be submitted as per the prescribed format of “IBM Manual for appraisal of mining plan 2014” and on company’s original letter head duly dated and signed. Further work experience certificates, certificate towards educational qualification of the Qualified Person to be submitted.
4. All the tables should be serially numbered and indexed properly.
5. No boundary pillars of lease area found erected in the field as per the provision of MCR, 2016. In this regard the same be established and photographs of the same be furnished in the text.
6. Please furnish the Project report submitted to EAC for getting the Environment Clearance of plant to substantiate the time line of construction & commissioning of clinker/ Cement Plant
7. Elaborate the time line of achieving the full rated capacity of mine for producing 3.6 million Tonnes per Annum of Limestone, thereby estimating the life of the mine accordingly.
8. Status of implementation of CCOM Circular no. 2/2010 be to be submitted.
9. The details of leases held by lessee in the State of Andhra Pradesh should only be furnished.
10. Copy of the Board of resolution of Directors of the company to nominate the owner and to sign the documents as per MMDR Act 1957 to be submitted.
11. Provision of rule 35(2) of MCDR 2017 has not been complied regarding filing of Star rating in respect of the lease.
12. Land schedule of the lease area be furnished as ‘Private Agricultural Irrigated Land’ as per earlier approved Mining Plan.
13. The details of the bench mark established needs to be submitted in text and demarcated in the plan.

**Review of mining plan**

14. Mining plan was approved with a condition to carry out exploration in the first year itself from the date of execution (2017). Whereas exploration is carried out in the year 2018-19, needs justification.
15. Substantial deviation in achievement than the approved proposals were observed, clarification for the same be furnished.
16. Land use needs to be reviewed considering roads, pits used for carrying out exploration activity.

**Geology**

17. Phase wise exploration carried out in the lease area should have been furnished in tabular form incorporating no. of bore holes, year of drilling, total meterage, type of drilling (DTH/ Core), maximum and Minimum depth etc. Details of all bore holes drilled so far should be submitted in tabular form incorporating Bore hole no., location (Lat/ Long), collar RL, Depth at which ore encountered/ exhausted from surface etc..

18. Future exploration proposal for G1 level be given to drill the bore holes up to contact zone as all the bore holes are terminated in ore body as per the provision of rule 12(4) of MCDR, 2017. The proposed bore hole location and scale of exploration wise area be shown in the surface geological plan. Proposed bore holes details to be furnished as per the observation of point no.18.
19. As per the provision of rule 48 of MCDR 2017, 79 no. of Bore holes are reported to be drilled, whereas records of the same in Form-J has not been provided for verification of bore holes data. In this regard copy of Form-J duly dated and signed by Geologist appointed be submitted.
20. Lab report of meter wise Chemical analysis of bore holes samples along with 10% of the same analysed by NABL accredited lab/ Government Lab and reports to be submitted. The NABL accreditation certificate also needs to be submitted.
21. Chemical analysis of different litho units available in the lease area to be submitted
22. Reserves/Resources estimation to be elaborated considering the following observations:-
  - i. Bore holes are terminated in Limestone Ore but the same is stated as Shally Limestone.
  - ii. Irrigation canal passing through the lease area is not shown.
  - iii. Cut off grade of ROM with reference to threshold value notified by IBM i.e. 34% CaO is not considered
  - iv. Determination of bulk density and recovery factor based on field test is not carried out.
  - v. Classification of Reserves and Resources as per UNFC guidelines.

#### **Mining**

23. Black cotton soil is considered as overburden needs to be corrected as top soil, proposal to be modified accordingly. The provision of rule 36 of MCDR should be committed to be implemented for removal & utilization of the top soil.

#### **Conceptual Plan**

24. The conceptual plan proposals be furnished in accordance with comment at Sl. No.7.

#### **Mine drainage**

24. Ground water table study carried out in the region by competent authority, if any, be considered as basis for assessment of minimum/maximum depth of occurrence of Ground water table
25. Quantity of water likely to be encountered, Sump capacity, the pumping arrangements and its final discharge be detailed in page no.60.

#### **Progressive Mine Closure plan**

26. Review of measures proposed in approved PMCP should be furnished.
27. Equipment required at present rate of production as well as enhanced production should be furnished.
28. Protective measures at bottom periphery of dump like retaining wall, Garland should be proposed and details of the same be furnished.

#### **Plans and sections**

29. Key plan should be submitted on Survey of India topo-sheet only indicating all the details as per the provision of rule 32(5)(a) of MCDR 2017. Revised topo-sheet no. should be furnished.
30. Relevant plans and sections should be certified by the Mining Engineer and Geologist employed under rule 55 of MCDR, 2017.

#### **Surface Plan**

31. Surface plan consist of following discrepancies:
  - i. Excluded area should not be marked with ML boundary and has to be depicted in different colour for clarity and the same to be indicated in Index also.
  - ii. The Road separating the two blocks of the lease area should be depicted distinctly.
  - iii. Details of surface features viz. irrigation canal, ponds, temple, roads etc exist in the lease area are not furnished.
  - iv. UPL is not necessitated in the Surface plan, the same be deleted.

v. National grid lines to be furnished instead of local grids in the plans and sections for easy reference.

32. Surface plan should be submitted incorporating the details as per the provision of rule 3(1)(a) of MCDR 2017.

**Surface Geological Plan**

33. Surface Geological plan should be submitted incorporating the details as per the provision of rule 3(1)(b) of MCDR 2017

34. Geological features like, litho units, surface exposure of mineral, Bore Holes, Ultimate Pit Limit, level of exploration, UNFC code etc. should have been highlighted for clarity.

35. Geological sections should be submitted on 1 :2000 scale for clarity

**Year wise production and development Plans and sections**

36. Sections passing through pit and Dump on southern side of the lease area should also be furnished

37. Bottom RL of pit shown in the year wise development plan is not matching with section, should be corrected.

**Conceptual Plan & section:**

38. The conceptual plan should be drawn and projected to visualize the status of lease at the closure of mining operations supported by suitable no. of sections both in traverse and longitudinal directions passing through pits, dumps etc.

39. Conceptual section should be submitted in line with Geological section.

**Environment Plan:**

40. Environment plan should be submitted incorporating the details as per the provision of rule 32(5)(b) of MCDR, 2017. Kachavaram village is

**Financial Assurance Plan**

41. Roads, small pits used for exploration is observed, the same be depicted in the plan.

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.

**Soft copies:**

42. All plans should be furnished in soft copy “in .kml or .shp file” (KML or shape files).

43. Co-ordinates of lease boundary pillars should be furnished in soft copy “in .kml or .shp file” (KML or shape files).

\*\*\*\*\*