



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



No. AP/NLG/MP/Lst-21/Hyd.

Room No.603,
6th Floor,CGO Towers,
Kavadiguda,Secunderabad.-50008
Date: 19.08.2020.

To
Shri Sushil Kumar Tiwari, Nominated Owner,
M/s. Zuari Cement Ltd.,
Sitapuram Works,
Dondapadu Village,
Chintalapalem Mandal,
Suryapet District-508 246,
Telangana State.

Sub: Submission of Modified Mining Plan in respect of Sitapuram Limestone Mine (ML-2) of M/s Zuari Cement Ltd., over an extent of 558.71 ha. Situated in Dondapadu, Revooru and Ramapuram Villages, Chintalapalem Mandal, Suryapet dist., T.S. submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter No.ZCL/SLM/IBM/ML-2/2020/996 dated 03/08/2020.

Sir,

With reference to your letter cited above on the subject, the draft Review of Mining Plan has been examined by Sri Madhu Sudhan Yadav.M, ACOM. Due to covid-19 lockdown inspection couldn't be carried out and the table scrutiny comments was prepared and have already been forwarded to you and your Qualified Person on respective e-mail ids i.e. nhpr100@gmail.com, n.hariprasadrao@zcltd.com and kumararaghavendra.pappu@zcltd.com.

02. You are advised to attend the 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.). 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,

Sharma
19/8/2020

(Shailendra Kumar)
Regional Controller of Mines

Copy to Sri P.Kumara Raghavendra, Qualified Person for information and necessary action.

Sharma
19/8/2020

(Shailendra Kumar)
Regional Controller of Mines

मूलपतिपरनहीं

खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

शैलेन्द्र
19/8/2020

(शैलेन्द्र कुमार)
क्षेत्रीय खाननियंत्रक

Table scrutiny comments on Modification in the Approved Mining Plan of Sitapuram Limestone Mine (ML-2) of M/s Zuari Cement Ltd. over an area of 558.71 hectares in Dondapadu & Revooru village, Chintapalem Mandal, Suryapet District, Telangana.

General

1. Details of the captive mining leases held by Zuari Cements Ltd. to cater the need of the cement plants shall be submitted in the introduction chapter as per the tabular column mentioned below.

Sl.No.	G.O. No.s & Date	Mine Name	Area in ha	Mineral Type	Status of approved MP	Lease valid upto

2. The installed cement plant capacity, environmental clearance and limestone requirement of cement plant, last approved mining plan production proposal/annum from both the mines be discussed.
3. The details of environmental clearance of plant and mines have not been furnished. Details of CFO should also be furnished in the introduction chapter.
4. The Environmental clearance copy of ML-1 shall be submitted.
5. Nominated owner details like address, contact number and email id shall be submitted in the lessee details chapter.
6. Color photographs should be enclosed in the document for easy reference pertaining to boundary pillars, working pit, dump, afforestation, core logs, ground control points etc.
7. In the details of approved Mining plan chapter the details shall be submitted as mentioned in the below tabular column.

Sl.No.	MP/RMP/SOM/MMP	Approval details	Plan Period	Proposal Period	Remarks

8. Details of last modifications if any (for the previous approved period) of approved mining plan shall be submitted.
9. Reason for modification in the approved mining plan be submitted with due justification.
10. The annexure numbers shall be mentioned correctly in the document submitted.
11. Latitude and longitude of all corner boundary point/pillar shall be marked in plate and same shall be captured in the text.
12. Details of permanent ground control points and boundary pillar to three permanent stations bearings and distance shall be submitted.

Review of Mining plan

13. Details pertaining to proposal and achievement of the previous approved MP/MMP/RMP shall only be submitted in the review of earlier approved mining plan chapter.
14. Reasons for not carrying out production as per proposal shall be submitted correctly.
15. Total number of saplings planted and area utilized for plantation during the plan period shall be mentioned correctly.
16. In page no. 9 it is mentioned that environmental monitoring is carried out quarterly. Reports of the same shall be submitted.
17. In the previous approved document it is submitted that detail study will be carried out about the ground water regime of the area and study report will be submitted. Status of the same to be provided.
18. Status of compliance of violations pointed out by IBM shall be submitted correctly.

Geology and Exploration

19. In page no. 21 the number of boreholes drilled earlier shall be submitted correctly.
20. Number of boreholes proposed is reduced from the earlier approved proposal. To be justified.
21. All the borehole lithologs be signed by the geologist Incharge for the exploratory operation.
22. In the feasibility report data pertaining to EIA studies, EMP including socio-economic impact, rehabilitation of project affected person, environmental issues, costing and economic viability be addressed.
23. The lithounits of the Mining lease area shall be submitted correctly.
24. The details of intersection of boreholes drilled are not matching with the geological sections and the geological cross section has not been drawn as per the lithologs of Boreholes.
25. Lithology wise limestone quantity and its weighted average grade shall be submitted.
26. Average composition and quality of different lithounits based on the chemical analysis data shall be submitted.
27. Section wise entire deposit of the limestone weighted average grade and quality of the mineral shall be submitted.
28. Exploration shall be proposed and carried out for the entire mineralized area and till the contact zone under the mining lease.
29. Phase wise exploration carried out in the lease area should be furnished in tabular form. As well as the details of bore holes drilled incorporating, collar details, survey file for drill hole, assay details, geology details, rock quality details, for easy reference.
30. Levels of exploration (G1, G2, G3 & G4) carried out and its area shall be discussed in the exploration chapter and clearly shown over Surface Geological Plan.
31. Category wise, reserves/resource as per UNFC system in the earlier approved mining plan shall be submitted.
32. Ultimate pit slope, bench height, cut-off grade and threshold value as per IBM shall be discussed in the parameters considered for Mineral Reserve estimate.
33. In the economic axis (E1), end-use grades of reserves shall be submitted correctly.
34. The summary of the blocked up resources as per UNFC code shall be submitted.
35. The classification of reserves and resources with average grade shall be submitted correctly in page no.36.
36. The mineral resource/reserves need to be assessed/estimated and categorized correctly as per the MEMC Rule 2015. The grade range and the weighted average grade of different litho units and the deposit need to be established correctly.

Mining

37. Proper justification shall be submitted for reduction in the production proposal w.r.t the earlier approval Mining Plan.
38. Specifications & details of the machineries like model, imported/exported, digging height etc., shall be submitted.
39. Complete report of limestone consumption factor shall be submitted.
40. The design parameters of the working shall fulfill the conditions of the MMR 1961.
41. In the drilling and blasting chapter, it is mentioned that drilling and blasting will be carried out in V-pattern, whereas the blasting pattern drawing shows different pattern of blasting.
42. Blasting shall be carried out as per the conditions mentioned in the ground vibration study.
43. The year wise, bench wise weighted avg. grade of the blocks proposed to be mined be submitted.
44. The bench RL planned to work during the proposed period shall be submitted.

45. Blasting parameters shall comply the conditions laid down in the Ground Vibration study.

Conceptual plan

46. 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 rehabilitation, 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 shall be submitted.
47. The quantum of proposed production in quantities considering the present proposed rate of production for the plan period and in the rated capacity of the mine for the next succession blocks of 5 years upto conceptual period shall be submitted.

Mine Drainage

48. Environmental protective measures to control surface run off within the lease and into the working pit be proposed and shown in the reclamation plan.
49. Year wise sump planning be proposed as per the requirement of water for dust suppression and development of green belt with co-ordinates, dimension and capacity have not been furnished in the text and shown in plan.
50. Water quantity required for mining shall be submitted.
51. Location of the sump proposal with co-ordinates and sump capacity shall be submitted.
52. Likely make of water into the pit and pump capacity shall be submitted.

Progressive Mine Closure Plan:

53. In page no. 58 it is mentioned that Ambient Air quality report is submitted in Annexure No.14A, whereas in the said annexure is containing ground vibration study.
54. In page no. 59 it is mentioned that environmental measurement report is submitted in Annexure No.14A, whereas in the said annexure is containing ground vibration study.
55. Yearwise protective measures for reclamation and reclamation shall be submitted.
56. Financial assurance plan should be submitted in view of above comments.

Plans and Sections:

57. As per the IBM permission letter No.N-11013/61/MP/89-CCOM dated 25/08/2020, surface plan and geological plan shall be prepared on a scale of 1:5000 instead of 1:2000 and part Surface Plan and Geological plan of the actual working areas shall be prepared on a scale of 1:2000. Hence, plans & sections shall be prepared as per the IBM permission granted to the lessee or as per the chapter-IV of MCDR 2017.
58. All the plans and sections should be submitted as per the provision of rules 31, 32 & 34 of MCDR, 2017 and signed by the surveyor having Certificate of Competency of Survey from DGMS.
59. As per Rule 34 (2) of MCDR 2017, every plan & section or part thereof under these rules shall carry thereon a certificate for its correctness and shall be signed by the Mining engineer with date. Provided that the geological plans and sections shall be certified and signed by the geologist employed under rule 55.
60. Existing features located within 500m from the lease boundary be shown in the environmental plan.
61. The contents in the plans w.r.t to the index shall be matched.

Others:

62. The employment potential required for carrying out mining activity including statutory, non-statutory, skilled, non- skilled etc., for the subject mine shall be submitted completely.

