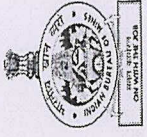




भारत सरकार/Government of India  
खान मंत्रालय/Ministry of Mines  
भारतीय खान ब्यूरो/Indian Bureau of Mines  
हदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



No.AP/RR/MP/LSt-4/HYD

Room No.603, 6th Floor,  
CGO Towers, Kavadiaguda,  
Secunderabad.-500080.  
Date: 13-12-2018.

To  
Shri B. V. N. Prasad,  
Director (Human Resource), Owner  
M/s Cement Corporation of India Ltd.,  
(A Govt. of India Enterprises)  
Core-V Scope Complex, 7 – Lodi Road,  
New Delhi – 11 --3

Sub: Submission of draft Review of Mining Plan & Progressive Mine Closure Plan in respect of Karankote Limestone Mine of Cement Corporation of India Ltd. over an extent of 613.587 ha in Karankote, Sangamkalan & Ojipuru Villages, Tandur Taluk. Vikarabad District, T.S. submitted under Rule 17(2) of MCR, 2016.

Ref: Your letter no. 06/6101(KLM)/Mining Plan dated 08.11.2018

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 29.11.2018 by D.P. Ravi Kumar, AMG accompanied by Shri. K Prabhakar Reddy, Qualified Person, Shri Manish Sukla, Geologist and Shri Deepak Kumar Mining Engineer. The draft Review of 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. [cmd@cementcorporation.co.in](mailto:cmd@cementcorporation.co.in), [geomoin\\_co@cementcorporation.co.in](mailto:geomoin_co@cementcorporation.co.in) & [sums.hpt@gmail.com](mailto:sums.hpt@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 and the manner in which the deficiencies are attended should be given while submitting modified document.

Yours faithfully,

  
13/12/18

(Shailendra Kumar)  
Regional Controller of Mines

Copy to Sri K Prabhakar Reddy, QP, Plot No. 15-DP2, KIADB, Sankalapura Industrial Area,  
Near Water Tank, Ballari Main Road, HOSAPETE – 583201, Ballari District, Karnataka - for  
information & necessary action.

  
13/12/18

(Shailendra Kumar)  
Regional Controller of Mines

मूल प्रति पर नहीं  
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

  
13/12/18

(शैलेन्द्र कुमार)  
क्षेत्रीय खान नियंत्रक







SCRUTINY CUM SITE INSPECTION REPORT OF REVIEW OF MINING PLAN INCLUDING PROGRESSIVE MINE CLOSURE PLAN OF KARANKOTE LIMESTONE MINE OF M/S CEMENT CORPORATION OF INDIA LIMITED OVER AN EXTENT OF 613.587 Ha IN SURVEY No. 20 TO 139 IN KARANKOTE VILLAGE, SY.NO.96 TO 105 IN OGIPUR VILLAGE, SY.NO.153 TO 155 IN SANGAM KALAN VILLAGE, TANDUR TALUK & MANDAL, VIKARABAD DISTRICT OF TELANGANA STATE SUBMITTED UNDER RULE 17 (2) OF MCR, 2016 AND PROGRESSIVE MINE CLOSURE PLAN UNDER RULE 23 (B) OF MCDR 2017 FOR FIVE YEAR BLOCK PERIOD 2019-20 TO 2023-24 INSPECTED ON 29.11.2018 BY D.P.RAVIKUMAR, AMG, HYDERABAD ACCOMPANIED BY S/SHRI K.PRABHAKARA REDDY, QP, MAMISH SUKLA, GEOLOGIST AND DEEPAK KUMAR, MINING ENGINEER.

#### COVER PAGE

1. The date of lease expiry, fax number of the lessee to be furnished on cover page.
2. At cover page, break up of the area containing nature of land should be furnished.
3. The Qualification of the Qualified Person is mentioned as BE(Mining), Surveyor, FCC(UR), QP, M.Sc. But as per the annexure IX, the qualified person was passed BE. Please clarify the same along with proof of qualified certificates and accordingly change the qualification of Qualified Person at required places.

#### INTRODUCTORY NOTE

4. The copy of the letter of mining lease deed was executed on 22.01.1974 & 12.01.1983 are not enclosed. The same should be furnished.
5. The copy of the letter of mining lease deed was extended for 10 years from 22.01.1994 to 21.01.2004 as per Rule 24 A (6) of MCR, 1960 is not enclosed. The same should be submitted.
6. Provide / submit the details of last five Approved Mining Plan /Scheme of Mining /Review of Mining.

#### GENERAL

7. In Page No.4 in Para 1(a). The address of the lessee / company is misspelt. It differs from the cover page. The same should be corrected at required places.
8. Para 2.0 b) Khasra details i.e Khasra no. under Govt. land and private land may be given clearly.
9. Consent letter /undertaking / Certificates from the Director should be submitted on Company's Original letter head duly dated and signed.
10. The Board Resolution for appointment of the nominated owner be submitted along with the list of board of Directors be submitted. The document and the certificates be signed by the nominated <sup>owner</sup>
11. The document in support of the registered address of the company as per Company's Act be furnished. The same address be given in 2.0(a). The postal address/ local address for correspondence or communication be submitted. The latest list of Board of director's with their address and contact number be submitted.
12. It is mentioned at table No.1, page No. 6 that the lease area is mentioned 613.387 ha., instead of 613.587 ha. The same should be corrected.
13. At page No.7 & 8 the toposheet Number wrongly mentioned. As per the Plate No.1 the Toposheet No. is 57 G/7 & 11. The same should be changed and submitted.
14. Each and every page of text and annexure should be signed by the person who prepared the document.
15. The list of leases held by the lessee in the state to be provided.
16. Every new chapter should be start from fresh page.



17. The status of compliance of violations pointed out by IBM: The detail of last inspections & violations pointed out has not been given discussed.

## REVIEW

18. The review should be upto 30.10.2018.
19. In Page No.10 in Para 3.3 (I), it is mentioned in the year 2017-18, 43 No's of DTH drill holes at a grid interval of 200 x 200m is proposed in the south western portion and along the mining lease boundary with aim to bring the entire lease area under UNFC Code 111, but it was not carried out due to the delay in the tender processing. But during the inspection it was observed and noted that tender is approved & 30 No's of boreholes have been completed recently and the remaining are in progress. So, furnish the present status of exploration as on date in the text.
20. The reasons for not completing the rest of the boreholes should be furnished. Further, details like Co-ordinates, Collar RL, Depth of the drilled bore holes (which are already completed) along with summarized litho-logs should be submitted. Accordingly, modify table No.4.
21. Bore hole wise exploratory samples details along with sample analysed by NABL accredited lab should be furnished in tabular form. 10% of the check samples should be analysed by NABL accredited laboratory. The NABL accredited lab analysis report towards exploratory sample analysis along with NABL accreditation certificate should be submitted.
22. Review of environmental monitoring be submitted year wise, Location wise for air, noise, water. Also the review of topsoil generation and environmental protection measures be submitted.

## GEOLOGY AND EXPLORATION

23. Chapter has not been prepared as per guideline.
24. In Part-A, Para 1.0 (e) (ii), Page No.26, recast the third paragraph about the core bore drilling.
25. In Part-A, Para 1.0 (i): It is mentioned as 44 No's of boreholes under future exploration programme whereas in the Para 3.3(I) under exploration it is mentioned as 43 No's. The figures should be furnished appropriately.
26. It is existing mine, hence reserves and resources as per previous approved mining plan should be mentioned first and than depletion and balance reserves may be provided. If additional or fresh estimation of reserves has been done than provide proper justification based on exploration carried out during last approved plan period.
27. Block wise exploration carried out in the past should be given in tabulated manner incorporating with date of commencement of drilling operation, recovery percentage, total numbers of samples generation, coordinates of drilled BHs, individual boreholes wise mRLs, Borehole wise drilled meterage, etc.
28. For reserves & resources estimation various constraints like Eco sensitive zone, power transmission line, canal and other statutory barriers if any exist in the lease area the same may be considered for calculation of mineable reserves. A separate calculation is also required for the blocked resource / reserves.
29. The dimensions of existing pit given for different blocks needs to be checked thoroughly and there should not be any deviation with respect to the plan area.
30. In the local geology lithological succession has not been discussed with average grade of different type of limestone occurring within the lease. Thus the local lithological succession be established on the basis of exploratory drilled BHs. Further average grade of different type of limestone occurring within the mining lease be submitted and chemical analysis report be submitted thereof.
31. The UNFC axis wise justification should be furnished as per the guidelines of UNFC.



32. In the Geological axis justification level of exploration be submitted by mentioning the grid spacing .no of bore holes falling in each level with bore hole type and drilling meterage.
33. In the feasibility axis, Economic viability & Environmental issues should be furnished.
34. In the reserves /resources table weighted average grade be submitted.
35. The litho logs, geological plans and sections should match. The sections need to be updated as per drilled boreholes and shown in the geological sections. The year wise production and development sections be prepared as per the corrected geological section.
36. The mineral resource/reserves need to be assessed/estimated and categorized correctly as per the MEMC Rules -2015 .The grade range and the weighted average grade of different litho units and the deposit need to be established correctly.

#### MINING

37. Tentative excavation programme is given for the year 2018-19 to 2023-24 which need to be corrected as 2019-20 to 2023-24.
38. The quantity of undersized limestone for stacked within lease area & outside ML area should be given. Further, its preservation and handling also need to be discussed separately.
39. Adequacy of man and machinery, calculation and its capacity should be discussed with proper justification.
40. The section wise bench wise Weighted average grade of proposed mining block for each year needs to be furnished and the mechanism for the grade control for optimum utilization of mineral along with blending techniques needs to be furnished. Bench parameters need to be mentioned.
41. The justification for requirement of mining machineries to be provided. Further requirement of drilling machine be calculated on the basis of maximum quantity of production proposal.
42. Proposal for year wise generation of top soil and its stacking, disposal be submitted.
43. The year wise mine working sections be provided correctly in the year wise development tables .Further year wise Development section be furnished.

#### MINE DRAINAGE

44. Year wise sump planning be proposed as per the requirement of water for dust suppression and development of green belt with co-ordinates, dimension, capacity has not been furnished in text and shown in plan.
45. Hence a mine drainage plan to be submitted showing flow direction of the water, location final discharge, arrange of arresting of solid waste etc.

#### STACKING OF MINERAL / SUB GRADE MATERIAL AND DISPOSAL OF WASTE

46. During site inspection, several small stacks of undersized limestone have been found. Its systematic disposal & utilization are not discussed in the chapter, the same may be furnished.

#### OTHER

47. Page-85: Under the employment potential head, skilled, semi-skilled persons and technical and non-technical persons are not given in detailed manner as per the prescribed format.



## PROGRESSIVE MINE CLOSURE PLAN

48. Ambient Air quality, water and noise monitoring station be shown correctly in the key plan as proposed in the text.
49. In Para 8.3.5, Page No.115, Table No.42, the proposed area of plantation and no. of saplings to be furnished correctly as mentioned in table in Page No.73.
50. In Para 8.3.5, Page No.115, Table No 42. The cumulative no. of plants are to be furnished as per the no. of plants already planted in the lease area and the following proposal years in this proposal period.
51. Lot of typographical / grammatical mistakes have been observed in the draft plan submitted. The same to be corrected and submitted.

### PLANS AND SECTIONS

52. Plate No.1. Key Plan: The name of the villages are not visible. So highlight the villages falling in the core & buffer zone.
53. All plan and section, text & tables should be modified based on above scrutiny.
54. The relevant Plans and sections should be signed with date by certified surveyor, qualified person, mines manager, mining engineer, and Geologist as per provision of Rule 34 of MCDDR 2017. Further, certifying that the plans and sections are prepared based on the basis lease map authenticated by the State Govt. and found to be correct.
55. Wind direction may be shown in wind rose diagram at the top right of the relevant plans. Further, colour code given for different features in plans and sections to be same.
56. Authenticated Lease sketch by State Govt. incorporating GPS co-ordinates of BP to be submitted.
57. Key plan should be submitted as per the provision of rule 32(5)(a) of MCDDR, 2017 and submitted on survey of India topo sheet only.

### GEOLOGICAL PLAN & SECTION

- i) Geological features like strike, d p, dip direction, etc to be marked clearly. Symbol as shown in plan not clearly marked in index.
  - ii) Year wise exploration proposal should be indicated.
  - iii) An updated Geological Plan and sections considering the exploration carried out in proposed period plan should be furnished.
58. Plate No.4. Geological Plan: It is mentioned that 44 No's of boreholes under future exploration programme whereas in the Para 3.3(Under exploration it is mentioned as 43 No's. The figures should be furnished appropriately. Accordingly show the number of proposed boreholes in this Plan and submit.
  59. Plate No.5. Geological Cross-sections: The UNFC codes and the lithology colour codes are similar and it's difficult to read the codes. Change them accordingly
  60. Plate No.5. Geological Cross-sections: It is wrongly mentioned as Ultimate Pit Limit instead of Ultimate pit slope in the index. Accordingly correct and submit.
  61. Plate No.6A to 6E. Production & Development Plans for 5 Years: In the proposals it is mentioned as OB Bench, as soil is useful material and should not be considered as Overburden. It should be stated as Top soil bench. Accordingly make corrections where ever applicable and submit the same.
  62. Plate No.7. Production & Development Sections: Make corrections as per the scrutiny no. 71 and submit the same.



63. Plate No.8 & 9 Conceptual Plan & Section: In the section the index is not given for the representation of what is shown. Accordingly furnish the index for clarity and submit.
64. Existing features located within 500m from ~~the~~ lease boundary should be shown in the Environmental Plan (PlateNo.10).
65. The proposed and existing environmental protective measures to be shown in Environmental Plan. The drainage pattern of the lease area also to be shown on the plan.

ANNEXURE

66. The Financial Assurance calculated to be submitted along with final copies.
67. The list of annexures must be numbered referring no. of how many pages. how many pages. Further, the annexures must be given dates pertaining to each letters for reference.
68. It is observed that annexures I & II are not legible. A legible copy of same to be enclosed.
69. Annexure-VIII-D photo-identity card of Owner is not visible- good quality of Photo Id card should be enclosed.

