



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/KSN/MP/Lst-29/Hyd.

Room No.603,
6th Floor,CGO Towers,
Kavadiguda,Secunderabad.-500080
Date: 11.12.2019.

To
Shri P.R.Venkatrama Raja,
Chairman and Managing Director,
The Ramco Cements Ltd.,
"Auras Corporate Centre",Vth.Floor,98-A,
Dr.Radhakrishnan Road,Mylapore,
Chennai-600 004,Tamil Nadu State.

Sub: Submission of Review of Mining Plan in respect of Jayanthipuram Limestone Mine (North Band) of The Ramco Cements Ltd. over an extent of 256.54 ha. situated in Jayanthipuram,Chilakallu,K Agraharam and Jaggayyapeta Villages, Jaggayyapet Mandal, Krishna dist., A.P. submitted under Rule 17(2) of MCR, 2016.

Ref: Your letter no.TRCL/IBM/JPM NB-RMP/20/294 dated 22.10.2019.

Sir,

With reference to your letter cited above on the subject, the inspection of the mine was carried out by Shri S.K.Muduli,JMG along with Sri P.Jani Reddy,Agent, Mines, and P.Surya narayana Murthy,QP on 22.11.2019 and found certain deficiencies which were forwarded to you and your Qualified Person on respective e.mail ids i.e., minesjpm@ramcocements.co.in and psm@ramcocements.co.in.

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 (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 @ RsThree 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,

Skumar
11/12/19

(Shailendra Kumar)

Regional Controller of Mines

Copy to Sri P.Suryanarayana Murthy, Qualified Person for information and necessary action.

Skumar
11/12/19

(Shailendra Kumar)

Regional Controller of Mines

मूलपत्रिपरनही

खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

शैलेन्द्र
11/12/19

(शैलेन्द्र कुमार)

क्षेत्रीय खान नियंत्रक

SCRUTINY COMMENTS ON REVIEW OF MINING PLAN OF JAYANTHIPURAM LIMESTONE MINE (NORTH BAND) OF M/S RAMCO CEMENTS LIMITED OVER AN AREA OF 256.54 HA IN JAYANTHIPURAM (V), JAGGAYAPETA (M), KRISHNA DISTRICT IN THE STATE OF ANDHRA PRADESH, DATE OF INSPECTION-22.11.2019, ACCOMPAINED BY-SRI P.JANI REDDY, SRI P.SURYANARAYANA MURTHY.

General

1. In the consent letter the rule position under which the document is submitted to be mentioned correctly.
2. Documents submitted for address and ID proof of Nominated owner as per board resolution is not same. Please submit the correct details.
3. Supplementary lease deed towards extension of the lease period upto 15.07.2032 needs to be submitted as an annexure.
4. Repetitions to be avoided.
5. The existing clinker plant capacity and its proposed expanded capacity, captive mine wise existing and proposed limestone requirement needs to be submitted in tabular form. Proper justification needs to be submitted for excess Limestone requirement in total.
6. In the introduction chapter justification to be submitted for reducing the ROM production from 3.76 MTPA to 1.80MTPA.

Review

7. Review of exploration needs to be submitted for exploratory drilling (no of BHs, type of drilling, meterage) and area to be explored under different level of exploration (G1/G2/G3/G4) in tabular form proposed in approved the Modified Mining Plan.

Review of mineral excavations, dump rehandling, mineral reject generation, reclamation and rehabilitation, PMCP proposals to be submitted for the approved modified mining plan proposal period. For deviation justification needs to be submitted in the review chapter.

8. Status of compliance of violation need to be submitted for the fresh violations also.

Geology

9. The bore hole lithologs of core bore holes drilled by ACC is not legible. Legible copy of the bore hole lithologs need to be submitted.
10. Summarized bore hole lithologs with average grade needs to be submitted.
11. At least for 10% of total samples needs to be analyzed by NABL accredited/other government laboratory and reports needs to be enclosed.
12. Submit the range of grade along with it average grade of different type of rocks available within the mine.
13. Proposal to be submitted to explore the entire mineralised area under G1 level as some of the DTH bore holes have been terminated in the clay pockets and mineral is continuing beneath it. The UNFC codes to be given correctly in geological cross sections 4.5,5.5 and 6.5. Area proposed for back filling has to be confirmed of non-mineralisation.
14. Type of deposit as per MEMC Rule-2015 to be mentioned. The level wise explored area to be demarcated in the Geological plan and correctly demarcated in the Geological section.
15. Parameters considered for reserves/resources estimation needs to be submitted in a tabular form. The recovery factor for estimating reserves of 90% needs to be justified properly.
16. Area explored under different level of exploration as per UNFC with resources and grade needs to be submitted in tabular form. Further UNFC code wise reserves/resources grade needs to be submitted.
17. UNFC axis wise justification need to be submitted for all axes level wise. Further
 - a) In the Geological axis justification the contour interval at which the survey has been carried out, no of DTH be given at proper place.
 - b) In the feasibility axis justification details of processing needs to be submitted for the existing crushing unit instead of mining machinery. The mining machinery details to be submitted in the mining head. Economic viability to be submitted taking the cement production and cement sale price and transferring its simultaneously on Limestone. Marketing related information to be submitted.

- c) In the Economic axis justification the specific end use grade of reserves needs to be submitted correctly.
18. The justification for reserves estimated under 111,211,331 category needs to be submitted in brief giving important geological factor, feasibility and economic factor. Beneficiation study report's recommendation needs to be submitted as annexure and mentioned in text.
 19. Sub grade mineral zone, Limestone stacked between centre of section line from 2.5 to 3.5 and 5.5 needs to be demarcated in the Geological cross section. Geological cross section needs to be drawn as per the bore hole lithologs as Green and Brown Limestone band is not available in any of the bore hole lithologs but shown in the Geological cross section.

Mining:

20. Existing Mining machinery, bench parameters, blast hole parameters needs to be submitted in Mining chapter 2(a). Existing pit dimension with no. of benches in soil, OB & Mineral needs to be submitted.
21. Mining proposal, dump rehandling proposal and waste development proposal for 2019-20 has already been approved so there is no need to submit proposal for the period 01.09.2019 to 31.03.2020. Only a plan indicating the area to be mined and waste development area with section needs to be submitted for the period 01.09.2019 to 31.03.2020.
22. Flood Level data to be collected and the HFL line to be demarcated in the surface plan.
23. Bench/RL wise excavation planning for each year of the RMP period is required to be submitted indicating the length, width, depth, & orientation of each benches as well as number of benches proposed in each year for clarity. So, also the proposed production, handling of overburden, generation of insitu & intercalated waste, topsoil generation etc. yearly basis from each bench for more information.
24. Year wise area proposed to be used for mining, afforestation, reclamation, dumping of waste and mineral reject needs to be submitted with quantity and volume. Year wise sump planning needs to be discussed by giving co-ordinates of the sump area, dimension, volume, RL.
25. Proposal for sub grade mineral generation and its disposal/stacking to be submitted.
26. The 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 needs to be mentioned in the text.
27. Conceptual plan need to be submitted showing the all the blocks falling within the mining lease area and also demarcating 5 year block wise mining area and back filling area top and bottom end, plantation, exploration, sub grade and waste generation.

The conceptual chapter needs to be recasted, drawn and projected to visualize the status of lease at the closure of mining operation as per submitted proposal and supported by suitable number of plans and sections both in transverse and longitudinal directions passing through lease boundary, pits, dumps etc showing the status of reclamation and rehabilitation work carried out, position of workings, all dumps, and afforestation at the closure, reclamation and rehabilitation work done for the area degraded because of mining operation, waste disposal etc. The status of the whole area at the end of the lease period of the mine to be shown accordingly on this plate.

Stacking of Mineral Rejects/Sub Grade and disposal of waste

28. Existing all dump details like Dump No, Co-ordinates, Dimension and Volume needs to be submitted in tabular form. Proposal needs to be submitted to establish the grade of old waste dump present in the lease.
29. Built up of dumps from year to year to be shown in yearly plans and sections. Designed capacity & height of individual dump and precautions envisaged for confinement of the dumps alongwith protective works, needs to be described. Under item 6.4 the quantity of top soil likely to be generated during the ensuing five years needs to be furnished along with the arrangements for its storage.
30. Quantity of waste to be generated vis-à-vis its disposal scheme alongwith the rehabilitation scheme, of the proposed and existing dumps should be discussed. Back filling proposal needs to be submitted giving details like Co-ordinates, dimension of the area to be back

filled, top mRL and bottom mRL. This discussed plan should be supported with appropriate plan and enough number of sections.

Processing of ROM and Mineral Reject-

31. A flow diagram of crushing and screening unit to be enclosed in the document.

Progressive Mine Closure Plan

32. Plantation also to be proposed all along the 7.5m lease boundary and non mineralised area proved by exploratory drilling operation. Proposal for year wise plantation area its coordinates and no of plants to be planted needs to be submitted in Reclamation plan.
33. Environmental monitoring to be proposed and its location to be demarcated in the Reclamation plan.
34. Details of Waste dump protective measures already implemented needs to be furnished.
35. Area put to use and proposed to be used for mining and allied activities needs to be submitted as per the actual work carried out in respect of mining related activities ,proposals and plan submitted in respect of the same.

Plates

36. All the existing ramps and roads needs to be demarcated in the plans.
37. Strike and dip to be demarcated in the Geological plan at different places.
38. Year wise production and development section needs to be submitted separately for each year.
39. Conceptual section to be drawn in transverse direction and longitudinal directions showing the Geology.
40. All the plans and sections should be submitted as per the provision of rules 31, 32 & 34 of MCDR, 2017.
