



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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No. AP/KSN/MP/Lst-29/HYD.

Room No.603, 6th Floor,
CGOTowers, Kavadiguda,
Secunderabad.-500080.
Date:16.09.2021.

To
Shri P.R. Venkatrama Raja, Nominated owner,
M/s. The Ramco Cements Ltd.,
"Auras Corporate Centre", V floor,
98-A, Dr. Radhakrishnan Road,
Mylapore, Chennai-600 004

Sub: Submission of Modified Mining Plan including PMCP in respect of Jayanthipuram Limestone mine (North Band) over an extent of 256.54 ha. in Jayanthipuram Village, Jaggayyapeta (M), Krishna District, Andhra Pradesh State submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter No.TRCL/IBM/JPM-NB/216 dated 27.08.2021.

Sir,

01. With reference to your letter cited above on the subject, the inspection of the mine was carried out by Shri Shaival Kartikeya, SMG along with Shri P. Jani Reddy, Agent (Mines), and Shri P. Suryanarayana Murthy, QP on 07.09.2021 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 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 (4Nos.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put to 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.

भवदीय,
शैलेन्द्र
16/9/21
(शैलेन्द्र कुमार)

क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो, हैदराबाद

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु:-

1. खान नियंत्रक (दक्षिण), भारतीय खान ब्यूरो, बंगलूर (कर्नाटक) – 560022
2. Shri P.Suryanarayana Murthy, Qualified Person, M/s The Ramco Cements Limited, Kumarasamy Raja Nagar - 521 457, Jaggayyapet Mandal, Krishna District, Andhra Pradesh State.

शैलेन्द्र
16/9/21
(शैलेन्द्र कुमार)

क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो, हैदराबाद

Scrutiny comments on examination of Modified Mining Plan including PMCP of Jayanthipuram Limestone Mine (North Band) over an area of 256.54 Hect. of M/s The Ramco Cements Limited in Jayanthipuram Village, Jaggayyapeta Mandal, Krishna District of Andhra Pradesh State inspected by Shri S. Kartikeya, Senior Mining Geologist on 07/09/2021

- 1) **General oversight & Cover Page:** Instead of blank column/row, N.A. or appropriate information may be given for better identification with proper justification in the Remarks column.

Chapter No. 1.0 General Information

- 2) (a) Para 1.1.2: Since the modification of the Approved Mining Plan has been submitted in the month of September 2021, hence, retrospective proposal for the month of August 2021 may not be accepted. Further, necessary corrections should be done in all the respective places. (b) Date of execution of the mining lease should be cross checked and corrected. (c) Para 1.2: Sum of the cadastral area is not matching with the actual area granted for mining lease. Same may be cross checked and corrected accordingly. Further, individual Cadastral wise details should be given. (d) Details of the amalgamation of four mining leases into one should be discussed in this chapter.

Chapter No. 2.0 Geology and Exploration

- 3) (a) Para 2.1.3: Source of the Geological Succession should be mentioned for reference. (b) Para 2.1.4.1: Local Geological Succession may also be given. (c) Para 2.2.1.9: Complete details of the sampling should be given. (d) Para 2.1.1.10: Average grades of the radicals should be given. (e) Para 2.2.2.1: As per the MEMC Rule, 2015, geological plan of the lease area should be prepared in 1:2000 scale. (f) Para 2.2.2.9 and 2.2.2.10: In addition to refer the annexure, appropriate information should be given in this para. (g) Para 2.2.3: Minimum, maximum and average grade of all the radicals should be given. (h) Para 2.2.4.2: Instead of refer the annexure, detail calculation of the reserve and resource should be given in this table. (i) Para 2.2.5.1: An appropriate explanation for conversion of 1.26 million tonnes of mineral resource (211) in to mineral reserve (111) should be given along with relevant geological sections may also be referred. (j) Para 2.2.5.2: Since mineral of grade between 41% CaO and 34% CaO is being utilized in the captive plant after blending with the higher grade limestone, hence, the term 'Mineral Sub-grade' should be used for such grade limestone instead of 'waste'. (k) Para 2.2.5.9: Detail and complete calculation should be given in this table for calculation of the blocked resources. (l) Para 2.2.5.10: Complete calculation should be furnished in the prescribed format. (m) During the study of the borehole logs it has been found that most of the boreholes have been closed/terminated in the limestone. Hence, the present drilled boreholes are not indicating the depth wise mineral persistency in the area. Hence, few core boreholes up to the depth of mineralization may be proposed.

Chapter No. 4.0 Mining

- 4) (a) Para 4.2.1.2: Since the limestone is being recovered from the Dump no. 4, hence the nomenclature of the Dump no. 4 may be changed as the stock of sub-grade mineral. Further, during inspection another dump of -6mm size ore (screen reject) has been found in between UTM co-ordinates N1865900 to N1866100 and E405200 to E405400. Hence, this dump should be numbered and the CaO and other relevant radicals should be analysed from the NABL accredited laboratory for better identification of the quality of ore/mineral. (b) Details of the mineral stock yard may also be entered in the para 4.2.1.2 for better identification. (c) Para 4.2.2.2: (i) Calculation sheets are not enclosed in the annexure -37. Further, detail calculation sheet based on the cross sectional area should be given. (ii) Incorrect stripping ratio has been calculated. (iii) Since, the environmental clearance has been obtained for annual production of 1.80 million tonnes Limestone, therefore production proposals should be submitted accordingly. (iv) Recovery percentage of limestone from ROM should be cross checked and corrected

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accordingly. **(d)** Para 4.3.3: Limestone with CaO above 34% up to 41% recovered from the old dumps will have to be considered as production. **(e)** Para 4.7.1: Calculation of the volume of dump to be substantiated with proper justification/calculation. **(f)** Para 4.5: Details of the blasting requirement are missing in the submitted draft. Hence, appropriate and correct information should be incorporated in the text.

Chapter No. 5.0 Sustainable Mining

- 5) **(a)** Para 5.1: Description of the sustainable mining implemented during last five years and the target area proposed to be covered during this plan period, should be submitted. Any statutory proposal for SDF may also be discussed under this para. **(b)** All the essential information should be given based on the proposed production during five year plan period as well as proposed CSR activities under company act. **(c)** To improve the Ratings under the Sustainable Mining, all the parameters may be considered and likely to be covered, as prescribed in the template as well as in the manual. **(d)** During inspection it has been found that several locations have been identified for erection of the solar panel over the reclaimed area to reduce the load of the power consumption. Hence, proposal should be submitted accordingly. **(e)** Para 5.3: Information should be furnished in this table.

Chapter No. 6.0 Progressive Mine Closure Plan

- 6) **(a)** Para 6.1: Area under mineral stack yard may be considered as NIL. During inspection it has been found that certain area near Pit no. 2 is being utilised for stacking of the produced mineral/ore. **(b)** Para 6.2.1: During plan period 953713 CuM of overburden will be generated, whereas 3711186 CuM of waste will be utilized for backfilling. Hence, the difference in the mentioned quantity should be clarified.

Chapter 7.0 Financial Assurance / Performance Security

- 7) Details of the Bank Guarantee should be furnished.

Chapter No. 8.0 Review of Previous Proposals

- 8) **(a)** Para 8.1.1: Sum of the actual area utilized in the proposal period up to 31/03/2021 should be given. **(b)** Review should be given for the earlier approved Review Mining Plan dated 08/01/2020, particularly for F.Y. 2020-21 and F.Y. 2021-22 (up to August 2021). **(c)** Para 8.2.1: Financial year may be mentioned for proposal and achievement. **(d)** Para 8.3: Appropriate information should be furnished.

Enclosures:

- 1) Annexure numbers should be cross checked.

Plates:

- 1) **General:** **(a)** The following Plans and Sections are not enclosed with the draft copy:- (i) Surface Plan, (ii) , **(b) Lease Map:** (i) Identification number/Plate no. should be given for the lease map. (ii) All the features and different colour lines may be shown and described in the index. (iii) Since four mining leases were amalgamated into one mining lease, hence, for better identification, each mining lease should be numbered and marked as a Unique Block Number.
- 2) **Plate II; Surface Plan:** Proposed Construction for the limestone stock pile shed, shed-3, shed-4 and active slag storage shed beyond lease area may not be considered..
- 3) **Plate III; Surface Geological Plan:** **(a)** Since most of the lease area is mineralised and it has been proved through the exploration, hence, an appropriate pattern for limestone occurrence in the lease area may be shown. Further wherever the mineral is covered/capped with the topsoil/OB may be marked with specific symbols over the limestone pattern. **(b)** Few structural data (Dip and Strike) of the ore body does not indicate the trends of the mineralised zone/ore body.

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- 4) **Plate IV A & B; Geological Cross Sections:** (a) Top RL of all the benches dumps and bunds should be shown in all the relevant sections. (b) Without any subsurface data, evidence of limestone may not be considered. Refer section no. ML 5.5, 6.5, 7.5, 11.5, 14.5, 16.5, 17.5, 18.5 and 19.5. Further, estimation of the reserve and resource should be restricted up to the borehole depth. Hence, entire reserve and resource should be re-established.
- 5) **Plate VI(A) and VI(B); Production and Development Sections:** Subsequent changes (Year wise) in the RL of Backfilling area, Waste and Reject dumps should be marked in all the sections.
- 6) **Financial Assurance Plan:** (a) Financial Assurance Plan should be drawn. (b) A detail calculation table should be given in the plan. (b) Area utilization in different heads should be marked with the distinct patterns for better identification in the plan.

