

By Email



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



Phone No. : (040)-27539992/27539993  
Fax No.(TF): (040)-27539991  
No. 659(72)/Lst/90/NLR

Room No.603, 6th Floor,  
CGOTowers, Kavadiguda,  
Secunderabad.-500080.  
Date: 08/12/2021

To

Smt Lakshmi Aparna Sreekumar,  
M/s The India Cements Limited,  
Coromandel Towers, 93,Santhome High Road,  
Karpagam Avenue, R.A.Puram,  
Chennai (Tamil Nadu) - 600028

Sub: Submission of Review of Mining Plan of Coromandel Limestone Mine over an area of 602.137 Hect. of M/s The India Cements Limited situated in Chilamkur Village, Yerraguntla Mandal, Y.S.R. Kadapa District of Andhra Pradesh State submitted under rule 17(2) of MCR 2016.

Ref: Your letter No. ICL/CCP/MINES/IBM/2021-22 dated 19-11-2021 received by email dated 22-11-2021.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 03-12-2021 by Sri S. Kartikeya, Senior Mining Geologist, accompanied by Sri Mooli Venugopal Reddy, Qualified Person & Manager (Mines) and Sri Nanatha Kumar, Geologist. The draft Review of Mining Plan has been examined and the scrutiny comments have already been forwarded to you and your Qualified Person on respective email ids i.e. mines@indiacements.co.in and ccp\_mines@indiacements.co.in as submitted in the document.

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 (4 Nos). In this regard you are also advised to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rupees Five Lakhs Per 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  
8/12/21  
(शैलेन्द्र कुमार)  
क्षेत्रीय खान नियंत्रक

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु:-

1. खान नियंत्रक (दक्षिण), भारतीय खान ब्यूरो, बंगलूर (कर्नाटक)
2. श्री मूलि वेणुगोपाल रेड्डी, क्वालीफाइड व्यक्ति

शैलेन्द्र  
8/12/21  
(शैलेन्द्र कुमार)  
क्षेत्रीय खान नियंत्रक

**Scrutiny comments on examination of Modified Mining Plan including PMCP of Coromandel Limestone Mine over an area of 602.137 Hect. of M/s The India Cements Limited in Chilamkur Village, Yerraguntla Mandal, Kadapa District of Andhra Pradesh State inspected by Shri S. Kartikeya, Senior Mining Geologist on 03/12/2021**

- 1) **General oversight & Cover Page:** (a) **Cover Page:** (i) Mining Lease period should be mentioned. (ii) Complete address, qualification and other relevant information of the qualified person should be mentioned. (iii) Mine Code, Email Id of the Lessee etc. should be mentioned in the Cover Page. (iv) Since, the Progressive Mine Closure Plan is the inclusive part of the Mining Plan; hence, same should be mentioned in the cover page along with the relevant rule of PMCP. (v) Whether the type of land is a Private land or Government Land, should be specifically mentioned. (b) Instead of blank column/row, N.A. or appropriate information may be given for better identification with proper justification in the Remarks column. (c) All the pages of the document including annexure should be numbered and duly signed by the Qualified Person for better authenticity. (d) Instead of Left Alignment, Justify alignment may be used for text. (e) In the earlier approved Modified Mining Plan dated 20/01/2020, production of Limestone has been enhanced to 5.5 Million Tonnes Per Annum, whereas, the present submitted Production of Limestone has been reduced to 2.0 Million Tonnes Per Annum. Appropriate reason for reduction in the production may be given. (f) During inspection it has been found that a Railway Line is crossing between the North and South Block. Hence, statutory barrier as per provision should be maintained in the ground. Further, statutory barrier zone should be marked in all the plans and section distinctly for better identification. (g) Instead of Year 1, 2, 3, 4 and 5, specific financial year should be mentioned in all the respected places of this document. (h) Most of the places Northing and Easting have not been mentioned in the written co-ordinates.

**Chapter No. 1.0 General Information**

- 2) Page no. 3: Para 1.1: (i) Phone no., Fax no. and Email Id of the lessee should be mentioned. (ii) Since Lessee/Company is a Limited Company, hence, the Type of lessee should be mentioned as "Limited Company". (iii) Incorrect Mine Code has been mentioned. (iv) Date of Registration of the First and Second Renewal of Mining Lease Deed should be mentioned.
- 3) Page no. 4: (a) Para 1.2: Individual Cadastral wise details should be given. (b) Para 1.3.1: Type of Approved document for the F.Y. 2016-17 to 2021-22 should be cross checked and corrected accordingly. (c) Para 1.3.3: Complete details of the lease transfer should be given supported with transfer deed.
- 4) Page no. 6: Para 1.3.5.1: Whether the DGPS/GPS co-ordinates are authenticated by the Competent Authority of respective State Government, should be mentioned.
- 5) Page no. 9: Para 1.3.6: (i) Official Email Id of the nominated owner should be given. (ii) Working land line number and Fax no. of the Nominated Owner should be mentioned.

**Chapter No. 2.0 Geology and Exploration**

- 6) Page no. 10; Para 2.1.2: Name of the River, Name of Human Settlements, Name of the Nearby Village, Nearest Railway Station, Nearest Port, State Highway/National Highway are to be written in this table.
- 7) Page 11; Para 2.1.3: Source of the Geological Succession should be mentioned for reference. (ii) Geological Succession should be supported with the Geological Time Scale.
- 8) Page no. 15: (a) Para 2.2.1.7: Grid spacing may also be mentioned for the boreholes drilled during last plan period. (b) Para 2.2.1.9 and 2.2.1.10: (i) Appropriate information of the sampling should be given. (ii) Complete details of the exploration agency should be given. Further, expenditure incurred for exploration may also be given. (iii) Whether 10% of samples have been analysed from the NABL Laboratory or not should be given. NABL Test Reports may be enclosed for supporting. (iv) Preferably core sampling should be done meter wise.

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- 9) Page no. 18: Para 2.2.2.9 and 2.2.2.10: Appropriate information of the sampling should be given.
- 10) Page no. 20, 24, 25 and 26: Para 2.2.4.2, 2.2.4.11 and 2.2.4.12: Depth in meters may also be mentioned.
- 11) Page no. 28: Para 2.4.13: **(a)** Average grade of other radicals may also be mentioned. **(b)** Reserves and Resources should be estimation as on 01/04/2022. **(c)** Para 2.5.5.1: 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 upto the depth of mineralization may be proposed. Further, Latitude and Longitude of each proposed boreholes may be given.

**Chapter No. 4.0 Mining**

- 12) Page no. 35: **(a)** Para 4.1.1 and 4.1.2: Existing and proposed method of mining should be elaborated considering the achievement of the proposed production target in manner of scientific, systematic and sustainable development. **(b)** Para 4.2.1.1: Details of existing dumps should be given in this table including UTM co-ordinate range. **(c)** Para 4.2.1.2.2: In view of the sustainable mining, height of the existing dumps should be reduced.
- 13) Page no. 37; Para 4.2.2: Para 4.2.2: (i) During inspection it has been observed that negligible quantity of OB is present within the lease area and only topsoil will be generated during review period. Hence, NIL generation of topsoil and estimated generation of overburden should be justified. Essential correction in the calculation of the generation of topsoil and overburden should be done in all the respective places. (ii) Sum of year wise generation of topsoil, overburden/waste and ROM should be given in this table. (iii) Range of the Easting and Northing should be given for location of Advancement. (iv) (iii) Incorrect stripping ratio has been calculated.
- 14) Page no. 46; **(a)** Para 4.4.5.1: For sizing of the oversize boulders generated during mining operations from the top benches, proposal for deployment of the rock breaker may also be given. **(b)** Para 4.4.5.2: Complete details of drilling machine like diameter of the drilling bit and the depth wise drilling capacity of the machine should be mentioned. **(c)** Para 4.5.2: (i) Name of the Explosive should be mentioned. (ii) Blasting calculation should be done in view of the maximum annual production target of the ore/mineral.

**Chapter No. 5.0 Sustainable Mining**

- 15) **(a)** Para 5.1: 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. **(b)** 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. **(c)** During inspection it has been found that several locations have been identified for erection of the solar panel over the 7.5 m barrier zone area to reduce the load of the power consumption. Hence, proposal should be submitted accordingly.

**Chapter No. 6.0 Progressive Mine Closure Plan**

- 16) Page no.64; Para 6.2.6.3: Proposal for year wise recreational facility should be given.
- 17) Non-mineralised area should be converted in to green belt during review period.

**Chapter 7.0 Financial Assurance / Performance Security**

- 18) Page no. 70; (i) Para 7.1: Reason for reduction of the area required for stacking of overburden/waste from the last approved area should be justified. (ii) Complete details of the Bank Guarantee should be given. E.g. Bank Guarantee No., Date of Issue, Name of the Bank etc.

**Chapter No. 8.0 Review of Previous Proposals**

- 19) (a) Review should be given up to November 2021. (b) Year wise proposal and its achievement for exploration, production of ROM/Ore, Topsoil Generation, Reclamation & Rehabilitation, Backfilling, Afforestation etc. should be given.

- 20) Page no. 71; Para 8.1.1: Head wise lease area utilization should be cross checked from the last approved document.

**Plates:**

- 1) **General:** (a) Identification number/Plate no. should be given for the DGPS map. (b) All the features and different colour lines may be shown and described in the index. (c) Location Plan may be drawn separately. (d) Development and Production proposed during F.Y. 2021-22 may be marked in all the relevant plan and section with dotted line for better identification. (e) Copy of the Original Lease Map may be enclosed. (f) Bench RL, bottom RL of the pit and top RL of the dumps should be marked in all the sections. (g) Date of survey should be mentioned in all the plans and sections.
- 2) **Plate 1; Key Plan cum Location Plan:** Co-ordinate range of the mining lease area may be drawn.
- 3) **Plate 3; Surface Plan:** Index is incomplete; all the features shown in the plan should be described in the index.
- 4) **Plate 4; Surface Geological Plan:** Wherever the mineral is covered/capped with the topsoil/OB may be marked with specific symbols over the limestone pattern.
- 5) **Plate 5; Geological Cross Sections:** (a) Incorrect UNFC codes have been mentioned at some places. Same should be cross checked and corrected accordingly. (b) For better identification Datum Line RL may be shown in both ends of all the sections. (c) Beyond borehole depth and without any subsurface data, continuity of the Limestone below borehole depth may be removed from all the relevant sections. (d) UPL has not been drawn in any of the sections. (e) Estimation of the reserves and resources should be restricted up to the borehole depth. Hence, the entire estimation should be cross checked and re-estimated as per the UNFC norms mentioned in the MEMC Rule 2015. (f) 7.5 m barrier zone have not been marked in any of the sections. (g) For estimation of reserves and resources, lateral influence of the existence of mineral/ore should be taken 100 m from either side of the borehole. (h) Area covered under statutory barriers should be marked distinctly for better identification. (i) As per the environment clearance, working will be restricted up to 36.0 m from the surface RL. Hence, for better identification, a line should be drawn in all the sections with distinct colour at 36.0 m depth.
- 6) **Plate 6A to 7F; Production and Development Plan and Sections:** (a) Subsequent changes (Year wise) in the RL of Topsoil Dump and Working Pit should be marked in all the sections. (b) 7.5 m barrier and other statutory zones should be shown in all the relevant sections as well as in the index. (c) UPL should be marked in all the sections. (d) All the sections should be drawn, where the production of mineral/ore, development and stacking of topsoil & OB have been proposed in each Financial Year.
- 7) **Plate 11; Financial Assurance Plan:** Area utilization in different heads should be marked with the distinct patterns for better identification in the plan.

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