

Scrutiny comments on the Modification of the Approved Mining Plan and PMCP in respect of Pedagarlapadu Limestone Mine of M/s. Chettinad Cement Corporation Ltd. over an extent of 377.68 hec. in Pedagarlapadu and Kesanupalli villages, Dachepalli Mandal, Guntur district of Andhra Pradesh.

General-

- 1) In the introduction chapter the rated plant capacity, vis-à-vis limestone requirement be discussed.
- 2) Capacity of clinker plant and limestone required for it be mentioned.
- 3) Date of opening of the mine be submitted in the introduction.
- 4) Name of nominated owner, address, Email ID to be submitted. Certificate of incorporation of the company and the list of Board of Directors to be submitted. The board resolution in respect of the nominated owner be submitted. The consent letter to be signed by the nominated owner.
- 5) Address, Email ID, Mobile/Phone No be submitted as per the details of registration with IBM.
- 6) Mine code granted by IBM in respect of the Mine be submitted.
- 7) Copy of Lease Sketch enclosed in the Lease deed be submitted.
- 8) Shape of the precise mining lease area as in the plans is to be matched with the shape of the mining lease area as per the lease sketch.
- 9) Feasibility report should be prepared as per the Part-V of MEMC Rules-2015.
- 10) Reason for modification should be elaborated to justify the reduction of Limestone requirement. Further Modification in the exploration proposal is not allowed.

Review-

- 11) Submit the year wise review of exploration, violation pointed out, PMCP proposal, mine development and exploitation upto 31.05.2019.

Geology-

- 12) It has been observed that surface topography have been changed in all the plans and sections wrt the approved Mining Plan. The surface topography be maintained as per the approved mining plan. Further Geological Plan is changed w.r.t earlier approved Mining Plan especially the Bore Hole collar RL and Location. Change in Geological Plan is not acceptable.
- 13) Data pertaining to climate like rain fall and temperature be submitted with its source of information.
- 14) Strike and Dip readings to be taken at few more places in the Mining Lease area where it is observable and the same to be plotted in the Geological plan.
- 15) Local lithological succession be submitted correctly as per the bore hole lithologs. Further the Summarized bore hole lithologs be submitted with average grade.
- 16) Average grade of the entire deposit based on available exploratory data to be submitted.
- 17) Details like location co-ordinates, collar RL, depth in respect of all the 48 nos of bore holes drilled in 2018-19 be submitted.
- 18) Block wise explored area with extent, resources & grade be submitted for different categories of Geological axis.
- 19) Parameters considered for reserves/resources estimation be submitted. Also the Ground water table to be considered as parameters for reserves/resources

estimation. Reserves/resources be updated as on 31.05.2019 and back up data pertaining to the reserves / resource updation to be submitted.

- 20) Basis of deriving the Percentage of Moisture content to be submitted.
- 21) Earlier drilled Bore hole locations as submitted in the plan are not matching with those of the bore holes locations in the plans as per the approved mining plan document.
- 22) Year wise future exploration programme over the entire potential mineralised area should be proposed as per the provision of rule 12(4) of MCDR-2017.

Mining-

- 23) Existing mining pit co-ordinates and dimension be submitted.
- 24) Top soil generation should not be considered for calculation of ore to waste ratio.
- 25) During blasting the percentages of slurry explosives and ANFO to be used, type of delay detonator to be used be submitted. Blasting pattern and charging pattern to be submitted. Powder Factor for Limestone be considered between 9 to 10. to be submitted. Copy of Explosive Magazine License to be submitted. Blasting proposal should encompass all safety measures as per statute.
- 26) The bench wise weighted average grade of proposed mining block for each year to be submitted.
- 27) Year wise area to be put to use for mining of Limestone to be submitted. In the year wise production and development table the co-ordinates of the area where mining is to be carried out be submitted.
- 28) Mine drainage chapter should be recasted with respect to working during monsoon season, water requirement, water accumulation & utilization.
- 29) Mine pit layout to be designed for easy movement of mining machinery, working width of benches should not be less than three times of width of largest plying machinery on the bench.
- 30) Proposal for accounting the ore mined and despatched to be submitted and status of installation of weigh bridge to be submitted.
- 31) Utilization of top soil other than green belt development is not allowed. Details of top soil utilization like the co-ordinates, length width & height of topsoil spreading, volume be submitted. Further also proposal be submitted for stacking of balance Topsoil giving location co-ordinates, configuration, and sequence of year wise development along with protective measures.
- 32) All mining proposal to be submitted above the Ground Water (GW) table and for mining below ground water table permission from CGWA be submitted. In case of mining below GW table It is also required to ascertain whether the mining will be undertaken in the undrained or drained condition. If in undrained condition the explosive to be used, it's properties are to be considered. The Use of ANFO in such case is not feasible as it is hygroscopic.
- 33) The hydro geological study to be proposed in the area to assess make of water into the pit, drainage facility to be provided in future, the study regarding impact of working below water table on GW resource of surroundings and mitigational measures, if any.
- 34) Conceptual Mine planning is not correct and need to be recasted again upto the end of lease period.
- 35) Process flow sheet be enclosed.

Progressive Mine Closure Plan-

- 36) Environment Base line information as per the EIA & EMP submitted to MOEF for obtaining the Environmental Clearance be submitted.
- 37) All the environmental protection measures like Green Belt Development, top soil dump/stack, check dam and gully plugs, retaining wall, Environmental Parameters Monitoring be discussed and related information like Locations, co-ordinates, dimension, Quantity and Volume and Nos, frequency of sampling to be submitted in the text year wise in PMCP chapter.
- 38) The Office, weigh bridge, work shop be proposed and the proposed area put to use be considered for calculation of bank guarantee amount.

Plans & Sections-

- 39) UNFC category be mentioned in the Year wise Production and Development Section.
- 40) In the conceptual plan and section be corrected and submitted.
- 41) Reclamation plans to be submitted demarcating all the proposed environmental protection measures like Green Belt Development, top soil dump/stack, check dam and gully plugs, retaining wall, Environmental Parameters Monitoring (AAQ , Water, Soil & Noise) sampling points.
- 42) All the plans and sections should be submitted as per the provision of rules 31, 32, 33 & 34 of MCDR, 2017 and signed by the surveyor having Certificate of Competency of Survey from DGMS.



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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Room No.603, 6th Floor,
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Date. 17.06.2019.

To
Sri S.Ramamoorthy, Nominated Owner,
M/S.Chettinad Cement Corporation Ltd.,
Rani Seethai Hall Building, 603, Anna Salai,
Chennai-6000 06.

Sub: Submission of Modified Mining Plan in respect of Padgarlapadu Limestone Mine of M/S.Chettinad Cement Corporation Ltd. an extent of 377.68 ha in Padgarlapadu & Kesanupalli Villages, Dachepalli Mandal, Guntur District, AP. Submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter no.Nil dated 15.05.2019
Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 04.06.2019 by Shri S.K.Muduli, JMG, accompanied by Sri S.Brahmaiah Mines Representative and Sri K.Shankar, Qualified person and found certain deficiencies in the form of scrutiny comments as given in Annexure. The same scrutiny comments have been forwarded to you and your Qualified Person on e.mail id i.ebrahmaiahsriramaneni@chettinadcement.com and empres05rediffmail.com

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 & the manner in which the deficiencies are attended should be given while forwarding modified document.

Yours faithfully,

(Shailendra Kumar)
Regional Controller of Mines

Copy to Sri K.Shankar, Qualified Person. for information and necessary action.

(Shailendra Kumar)
Regional Controller of Mines

मूल पति पर नहींकष्ट
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

