

Scrutiny comments on review of mining plan of Sellianallur limestone mine GO No.1169 over an area of 8.55.5ha in Sellianallur Village in Tirunelveli taluk & district Owned by M/s India Cements Ltd., submitted under rule 17 of MCR-2016 &23B of MCDR,1988 for the period from 2017-18 to 2011-22.

- 1) General: Title mentioned on the cover page and report should be corrected as “Review of mining plan” instead of mining plan and captive may be indicated. Mining lease granted in different blocks as non-contiguous also be indicated under lease details.
- 2) It has been mentioned on cover page as Proposal period of Scheme of Mining and it may be mentioned as Proposal period of Review of mining plan.
- 3) Para 2(a)(b): Details of initial grant of mining lease for limestone mineral may also be furnished for information and copy of order need to be annexed. A copy of Form-“J” application for renewal of ML submitted to government/form-D issued need to be annexed in the report and also the issue to be discussed under para 3.6, as the claim of mining lease made under MMDR Act-2015 upto year 2030. Further, area under working also be indicated. Total mineralized area indicated as 2.47hect appears to be less than actual, may verified for its correctness.
- 4) Para 3.3 Exploration, Production & development: Depth of minimum and maximum bore holes drilled under exploration programme may also be mentioned under the para in order to know the depth persistence of limestone exist/proved in the ML area.
- 5) Table no-2 shows nil production & development since 2015, reason may be briefed under the para.
- 6) Part-A  
Para 1(e)(iv) Geology & Exploration::The expenditure incurred during the recent exploration undertaken during the year 2013 may be indicated separately.
- 7) Para 1(f) Preparation of surface plan:It is indicated under the para that the plan is prepared in scale 1:1000 is incorrect, all the plans except location, key and environment plans are prepared in 1:2000 scale should be corrected.
- 8) Para 1(j)Preparation of feasibility report: It is stated in the para that limestone band has been proved upto Zero RL which is not giving any idea of depth of persistence of deposit. Hence either the surface RL or the depth proved need to be mentioned.
- 9) Para 1(k) Estimation of Reserve/Resource: The first column of reserve/resource table no.4&5 named “section along” is not clear whether value indicated is grid value or depth should be indicated. Further,a supporting table for arriving the volume with dimensions of limestone bands need to be furnished for better understanding. The reserve and resource estimation have not indicated from which RL it is estimated. The present RL reference should be discussed under the para (L) of page no 16,as the values observed at field and surface plan, the big block in central part of ML as 35RL and small block as 53RL.

- 10) Para 2.0(a) Mining: Present bench parameters need to be discussed as the bench height observed are 5m to 7m. It is need to be mentioned clearly from which year of the current document, the bench correction will take place 10m X10m?
- 11) Drilling and blasting operations are being carried out by jack hammer and small dia explosives. Hence, the category of the document may be submitted under A-OTFM. If it is not A-OTFM, the HEMM permission copy may be enclosed.
- 12) Para 2.0(b): In addition to tentative yearwise development & production schedule table-7&8,a table showing the pit-wise limestone band dimensions based on the cross section values for development need to be furnished as annexure in text. Production & development is also proposed in the small pit located on the northern end of ML for the years 2017-18,2019-20 and only development in 2021-22, therefore,column no.2 of table no 7&8 should be corrected the accordingly.
- 13) Para 5.0 Use of mineral :The desired chemical grade of limestone for cement manufacturing shows R2O3 is not understand, may be explained what it contains?
- 14) Para 8.3 Progressive mine reclamation: Yearwise proposal for reclamation and rehabilitation table no.21 shows 0.050hect proposed for rehabilitation for each year, the same is not shown in any plan including yaewise development and production plan should be corrected.
- 15) All chapters of PMCP, feasibility report, UNFC report should be reconciled as per scrutiny for the paras of mining plan.
- 16) The consent letter/undertaking signed by the owner should bear date.  
Annexure:
  - a) Mining lease deed annexed should have the FMB sketches of the ML.
  - b) Separate chemical analysis report of the representative sample of the limestone need to be annexed.
- 17) Valid EC and consent for operation from Tamil Nadu Pollution Control Board may be submitted.  
Plates:
- 18) Geological plan &section: The structural features such as syncline and anticline folds as stated in the report need to be marked on plan and indicated in index. Reserve and resource have not marked properly on cross section plate no.6 and resource (211) may be represented with light shade.
- 19) Environment plan: Number of population of villages falling with in 500m radius may be indicated below the village name.
- 20) Conceptual plan: Tile indicated in index for the present document period(2017-2022)mentioned as scheme period should be changed to “ present mining plan”.
- 21) In CD,the part-B of report i.e. consent letter/undertaking and certificates are submitted without signature of the concerned and Part-2 consisting plates submitted without signature.

