

Scrutiny Comments on examination of Review of Mining Plan with PMCP of Alanthuraiyarkattalai Limestone Mine over an area of 22.26.0 Ha in Alanthuraiyarkattalai Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu submitted by M/s Chettinad Cements Corporation Pvt. Ltd.

Mine Code - 38TMN24047 / Group - 'A' - FM / Open Cast / Non-Forest Patta Land / Last Insp on 23/09/2020

Cover, Introduction & General:

1. All Tables shall be numbered & wherever possible, titled as well.
2. Page 2 - Copy of Environmental Clearance for the Expansion of the Production Capacity from 0.5 MTPA to 0.9 MTPA as stated here shall be annexed.
3. Page 7, Section 2.0.a - The lease has been extended vide G.O.(Ms) No. 115 dated 01.10.2018 of Industries Department, GoTN, a soft copy of which has been provided in the Annexures Folder on the CD. This information shall be appended in the section for Lease Details & a hard copy of the said G.O. shall also be enclosed in the annexures.
4. Page 7, Section 2.0.c - Details of Lease Area shall also be given in the following format apart from everything else provided:

Forest		Non-forest	
Forest (specify)	Area (ha)	(i) waste land,	Area (ha)
		(ii) grazing land,	
		(iii) Agriculture land,	
		(iv) others(specify)	

5. Page 11, Section 3.3.1(c), Exploitation of Mineral - It has been stated that a quantity of 9,93,386 tons of limestone & 38,204 tons of Marl were mined out during the plan period but in the table right below & in text on the next page, the actual total quantity of limestone mined has been shown as 17,54,163 MT. Necessary correction shall be carried out.

Part-A:

6. Page 18 - Section-wise Detailed Reserve Calculation shall be furnished in Section 1.k complete with the dimensions of each mineral-bearing bench. The data from this fresh calculation shall then be used to populate the table in Section 1.l that comes next. Reserve-Calculation by subtraction of depletion since last estimation is not acceptable for this document. Relevant sections shall thus be worked out & modified accordingly.
7. Page 24, Section 2.A.b - The table given under the head "In-situ Excavation" shall be given in the following format:

Year	Pit no.	Total tentative Excavation (Cum)	Top Soil (Cu m)	OB/SB/IB (Cum)	ROM (Cu m)		Mineral reject	ROM/Waste Ratio
					Ore (Cum)	Mineral reject (Cum)		
1	2	3	4	5	6	7	8	9
I								
II								
III								
IV								
V								

8. The Proposed Afforestation Program tabulated on Page 55 does not tally with the Year-wise Proposals tabulated on Pages 56 through 60. Rectification shall be carried out at correct places.
9. Page 80, Section 8.6, Financial Assurance - Details of the 2.44.5 Ha of "Area Considered as Fully Reclaimed & Rehabilitated" in Column D under the head "Area of Excavation" at Serial No. 1 shall be furnished as a note right below the table & be outlined clearly on the corresponding plate for Financial Assurance Plan.

Annexures:

10. Copy of Environmental Clearance for the Expansion of the Production Capacity from 0.5 MTPA to 0.9 MTPA as stated on Page 2 shall also be annexed.
11. Few photographs showing Land use of the lease area/applied area, environmental status of the area shall be enclosed as a separate annexure.
12. Copies of Violation Letters issued by IBM shall be enclosed as a separate annexure.
13. Copies of most recent Reports of Periodic Environment Monitoring Tests conducted by an NABL-accredited agency shall be annexed as a separate annexure.

Scrutiny Comments on examination of Review of Mining Plan with PMCP of Alanthuraiyarkattalai Limestone Mine over an area of 22.26.0 Ha in Alanthuraiyarkattalai Village, Ariyalur Taluk, Ariyalur District, Tamil Nadu submitted by M/s Chettinad Cements Corporation Pvt. Ltd.

Mine Code - 38TMN24047 / Group - 'A' - FM / Open Cast / Non-Forest Patta Land / Last Insp on 23/09/2020

Plates:

14. Authenticated Lease Plan shall be enclosed.
15. All plates should have dates mentioned on them.
16. Plate 1, Key Plan - Prominent wind direction shall be shown.
17. Plate 4 - The Dip Angle shall also be mentioned along with the Strike Direction. The exploration limits such as G1, G2, G3 and G4 as per the UNFC shall also be mentioned on this plate in compliance of Rule 32 (1) (b) (vii) of MCDR, 2017.
18. Plate 5 - The length, width & height of each bench shall be shown on each of the sections & the same shall be used to calculate the Mineral Reserves & Resources in Section 1.k as mentioned in Point 4 above.
19. Plate 4 & 5 - The Geological Plan & Section shall also be countersigned by the Geologist employed in the mine under Rule 55 in compliance of Rule 34(2) of MCDR, 2017.
20. Plate 6, 7, 8, 9 & 10 - Bench dimensions shall be mentioned on each of the Sections. The Longitude labels have all been mistakenly marked as E-298700. Year-wise Backfilling & Afforestation program shall also be shown either on these plans or separately, as per convenience, while ensuring that the final plan doesn't become illegible due to too many details.
21. Plate 11 - The shadings in the Financial Assurance Plan should be done with respect to the various "Heads" outlined in the table provided on Page 64 of the main text.