



Chettinad Cement/ Arungal Mine /Environment Statement/2024-25/128  
12 Sep 2025

To  
The Member Secretary  
Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy,  
Chennai – 600 032.

Respected Sir,

Sub : Submission of Environmental Statement in “Form V” under Environment (Protection) Rules, 1986 for the year 2024-25 - Chettinad Cement Corporation Private Limited - Arungal Limestone Mine, Arungal Village, Ariyalur District, Tamilnadu.

We submit herewith the “Environmental Statement” pertaining to our Arungal Limestone Mine in the prescribed format (Form V) under Environment (Protection) Rules, 1986, for the year 2024-25.

Kindly acknowledge the receipt.

Thanking you

Yours faithfully,  
for Chettinad Cement Corporation Private Limited

  
**R.P. Muthiah**  
Sr. Vice President (Works)

Copy to :

1. Regional Director CPCB, Chennai
2. Dy. Director General of Forest, IRO, MoEF & CC, Chennai
3. JCEE, TNPCB, Trichy
4. DEE, TNPCB, Ariyalur

**Chettinad Cement Corporation Private Limited.**

Ariyalur Trichy Road, Keelapalur Post,  
Ariyalur Dist - 621707, Tamilnadu, India.  
T +91 4329 250009  
E : ariyalur@chettinadcement.com  
www.chettinad.com

**Regd. Office :** CIN - U93090TN1962PTC004947

Chettinad Towers,  
603, Anna Salai, Chennai - 600 006,  
Tamilnadu, India.  
T +91 44 28292727, 42951800  
F +91 44 28291558

**FORM - V**

[See Rule 14 of Environment (Protection) Rules, 1986]

**Environmental Statement for the Financial Year ending the 31<sup>st</sup> March 2025**

**PART - A**

- (i) Name and address of the owner / occupier of the industry operation or process : **R.P. Muthiah  
Sr. Vice President (Works)  
Chettinad Cement Corporation Private Limited  
Arungal Limestone Mine  
Keelapalur Village, Ariyalur District  
Tamilnadu  
Pincode :621707**
- (ii) Industry category  
Primary (STC Code) : Red Large  
Secondary (SIC Code) : 1035- Mining and Ore beneficiation
- (iii) Production Capacity : 0.8 million ton per annum (mtpa)
- (iv) Year of Establishment : 2020
- (v) Date of Last Environment Statement submitted : 25.09.2024

**PART - B**

**Water and Raw Material Consumption**

**(i) Water Consumption (m<sup>3</sup>/day)**

Dust Suppression	:	7.1
Cooling	:	Not Applicable
Greenbelt	:	6.4
Domestic	:	4.8

Name of the Product		*Process Water Consumption (m <sup>3</sup> ) per unit (metric ton) of Product Output	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(1)	Limestone	0.005	0.009

\*Water used for Dust Suppression & Greenbelt shown as process water consumption

**(ii) Raw Material Consumption**

Name of the Raw Material		Name of the Product	Consumption of Raw Material (metric ton) per unit (metric ton) of Output	
			During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(1)	None #	Limestone	--	--

# As the production activity involves only mining, no raw material is required

**PART – C**

Pollution Discharged to Environment/unit of output  
(Parameter as specified in the consent issued)

Pollutant	Quantity of Pollutant Discharged (mass/day) (tons/day)	Concentrations of Pollutants in Discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
<b>(a) Water</b>			
No generation of any waste water from mining operation			
Domestic waste water is being sent septic tank , followed by dispersion trench			
Pollutant	Quantity of Pollutant Discharged (mass/day)	Concentrations of Pollutants in Ambient Air (Mass/volume) ( $\mu\text{g}/\text{m}^3$ )	Percentage of variation from prescribed standards with reasons
<b>(b) Air</b>			
PM <sub>10</sub>	Not Applicable as there is no point source of emission in Mine	60.1	Compared to Norm Less by 39.9 %
PM <sub>2.5</sub>		28.8	Compared to Norm Less by 52.1 %
SO <sub>2</sub>		10.6	Compared to Norm Less by 86.8 %
NO <sub>2</sub>		22.1	Compared to Norm Less by 72.4 %
CO		2.0	Compared to Norm Less by 100.0 %

**PART – D**  
**HAZARDOUS WASTES**

[As specified under [Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016]

Hazardous Waste		Total Quantity Generated in metric tons	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(a)	From Process - None	NIL	NIL
(b)	From Pollution Control Facilities- None	NIL	NIL

**PART – E  
SOLID WASTES**

Solid Waste		Total Quantity Generated (metric tons)	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(a)	From Process- Rejection	573304	289676.5
(b)	From pollution control facilities	NIL	NIL
(c)	1. Quantity recycled or re-utilized within the unit	NIL	NIL
	2. Sold	NIL	NIL
	3. Disposed	NIL	NIL

**PART – F**

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes

Name of the Waste		Quantity	Characteristics	Disposal Practice Adopted
(1)	Hazardous Waste None	NIL	NA	NA
(2)	Solid Waste Rejections	Opening Stock ( as on 01.04.2024) : 0 tons Generation (Apr'24-Mar'25) : 289676.5 T Consumption (Apr'24-Mar'25) : 289676.5 T Closing Stock ( as on 31.03.2025) : 0.0 tons	SiO <sub>2</sub> 45-50 % CaO 10-15% Fe <sub>2</sub> O <sub>3</sub> 3- 5% Al <sub>2</sub> O <sub>3</sub> 2- 3%	Rejection soil will be used for Backfilling & afforestation purpose only.

**PART – G**

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production**

Specific consumption of water 0.009 m<sup>3</sup> per ton of Limestone

**PART – H**

**Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution**

**Investment Proposal for Environmental Protection for the year 2025-26**

- Plantation & Maintenance of saplings : Rs 0.75 Lakh

**PART – I**

**Any other particulars for improving the quality of environment**

- Regular maintenance of all mining machinery and vehicles are being ensured so that vehicular emissions are within prescribed limits.
- Ban plastic awareness display board fixed at the entrance of the LS mines
- Mining haul roads are being maintained effectively to avoid dust emission.
- Routine and regularly water sprinkling is being carried out to suppress dust emission.
- De-silting pond and garland drains has been desilted periodically before monsoon to prevent carryover of solid particles.
- So far around 13295 trees planted covering 5.94 ha.

Place : Ariyalur  
Date : 12.09.2025

(Signature of the Authorized Person)

Name : **R.P. Muthiah**

Designation : Sr. Vice President (Works)

*Seal*  
*Stamp*

