



Chettinad Cement/ Karuppur Keelapalur Mine /Environment Statement/2024-25/157

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 - Karuppur Keelapalur Limestone Mine, Keelapalur Village, Ariyalur District, Tamilnadu

We submit herewith the "Environmental Statement" pertaining to our Karuppur Keelapalur 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 31st 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
Karuppur Keelapalur Limestone Mine
Keelapalur Village, Ariyalur District
Tamilnadu
Pincode :621707**
- (ii) Industry category
 Primary (STC Code) : Red Small
 Secondary (SIC Code) : 1035- Mining and Ore beneficiation
- (iii) Production Capacity : 0.634 million ton till (2025-26)
- (iv) Year of Establishment : 2019
- (v) Date of Last Environment Statement submitted : 25.09.2024

PART – B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

- Dust Suppression : 5.5
 Cooling : Not Applicable
 Greenbelt : 7.4
 Domestic : 1.8

Name of the Product		*Process Water Consumption (m ³) per unit (metric ton) of Product Output	
		During the Previous Financial Year (2023-2024)	During the Current Financial Year (2024-2025)
(1)	Limestone	0.023	0.040

*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 (2022-2023)	During the Current Financial Year (2023-2024)	
(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
(a) Water			
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) Air			
PM ₁₀	Not Applicable as there is no point source of emission in Mine	59.1	Compared to Norm Less by 40.9 %
PM _{2.5}		28.0	Compared to Norm Less by 53.3 %
SO ₂		10.6	Compared to Norm Less by 86.7 %
NO ₂		21.7	Compared to Norm Less by 72.9 %
CO		2	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	126061.5	63573.5
(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) : 0.0 T Generation (Apr'24-Mar'25) : 63573.5 T Consumption (Apr'24-Mar'25) : 63573.5 T Closing Stock (as on 31.03.2025) : 0.0 T	SiO ₂ 45-50 % CaO 10-15% Fe ₂ O ₃ 3- 5% Al ₂ O ₃ 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 0.040 m³ 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 1.5 lakh

PART – I

Any other particulars for improving the quality of environment

- a. Regular maintenance of all mining machinery and vehicles are being ensured so that vehicular emissions are within prescribed limits
- b. Ban plastic awareness display board fixed at the entrance of the LS mines
- c. Roads are being maintained effectively to avoid dust emission.
- d. Routine and regularly water sprinkling is being carried out to suppress dust emission.
- e. Existing de-silting pond is further strengthened with stone pitching arrangements and garland drains has been desilted periodically before monsoon to prevent carryover of solid particles.
- f. So far around 27022 trees planted covering 12.89 ha.

Place : Ariyalur

Date : 12.09.2025



(Signature of the Authorized Person)

Name : **R.P.Muthiah**

Designation : **Sr. Vice President (Works)**

