



Chettinad Cement/Ariyalur/Environmental Statement/Cement Plant/2024 -25/161
Dt. 12 Sep.2025

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

Dear Sir,


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

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

Kindly acknowledge the receipt of the same.

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.

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FORM - V

(See rule 14 of Environment (Protection) Rules, 1986)

Environmental Statement for the Financial Year ending the 31st March 2025

PART - A

	R. P. Muthiah,	
	Sr. Vice President [Works]	
(i) Name and address of the owner / occupier of the industry operation or process.	:	Chettinad Cement Corporation Private Limited Cement Plant, Keelapalur Ariyalur District. Tamilnadu Pincode : 621 707
Industry category		
(ii) Primary (STC Code)	:	Red Large
Secondary (SIC Code)	:	1026- Cement
(iii) Production Capacity	:	5.5 million tons per annum (mtpa)
(iv) Year of Establishment	:	2009
(v) Date of Last Environment Statement submitted	:	25.09.2024

PART - B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

Process	:	339
Cooling	:	45
Domestic	:	214

Name of the Product	Process water consumption (m ³) per unit (metric ton) of Product Output	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
Cement	0.067	0.054

(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 (2023-24)	During the Current Financial Year (2024-25)	
(1) Lime stone	Clinker	1.257	1.224	
(2) Clay		0	0	
(3) Feldspar		0	0	
(4) Laterite		0.018	0.025	
(5) Fuel -Total		0.121	0.114	
		Split up:		
		Imported coal	0.055	0.006
		Indian Coal	0.000	0.000
Indian Petcoke	0.044	0.037		
Imported Petcoke	0.007	0.048		
(6) Gypsum	Cement	0.034	0.037	
(7) Fly Ash		0.116	0.144	
(8) Slag		0.002	0.001	

(iii) Alternate Fuels & Raw Materials:

Hazardous Waste	Total Quantity Co processed in MT	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
(a) Hazardous Waste	10788.96	7641.381
(b) Non Hazardous wastes	3090.09	9220.125
(c) MSW, Legacy wastes, Biomining wastes, RDF & Plastic Wastes from ULBs	12469.654	13484.574

PART – C

Pollution Discharged to Environment / Unit of output (Parameter as specified in the Consent issued)

Pollutant	Quantity of Pollutant Discharged (mass/day) (kg/day)	Concentrations of Pollutants in Discharges (Mass/volume) (mg/litre except pH)	Percentage of variation from prescribed standards with reasons	
(a) Water				
pH	Not Applicable	Not Applicable	Less than Norm	
TSS	2.19	17.5	Compared to Norm Less by %	41.7
BOD	0.98	7.8	Compared to Norm Less by %	60.9
COD	6.24	49.8	Compared to Norm Less by %	80.1

Pollutant	Quantity of Pollutant Discharged (mass/day) (kg/day)	Concentrations of Pollutants in Ambient Air (Mass/volume) mg/Nm3	Percentage of variation from prescribed standards with reasons	
(b) Air				
PM	297	25	Compared to Norm Less by %	18.0%
SO ₂	33	3	Compared to Norm Less by %	97.3%
NOx	5743	475	Compared to Norm Less by %	40.6%

PART – D

Hazardous Wastes

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

Hazardous Waste	Total Quantity Generated in MT	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
(a) Used Oil (Category No 5.1) From Process	1.2	0.0
(b) From Pollution Control Facilities	NIL	NIL

PART – E

Solid Wastes

Solid Waste	Total Quantity (Kg)	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
(a) From Process:	NIL	NIL
(b) From Pollution Control Facilities- Generated STP Sludge.	855	801
(c)	1. Quantity recycled or re-utilized within the unit STP Sludge.	855
	2. Sold STP Sludge.	NIL
	3. Disposed STP Sludge.	NIL

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal

Name of the Wastes	Quantity in Tons	Characteristics	Disposal Practice Adopted
(1) Hazardous Waste Used / Spent Oil (Category No.5.1)	Opening Stock (01.04.2024) : Nil Generation (Apr'24-Mar'25) : Nil Disposal/ Consumption (Apr'24-Mar'25) : Nil Closing Stock (31.03.2025) : Nil	Waster Oil containing 6000-8000 kcal/Kg of GCV and Less than 5ppm of Cd+Cr+Ni	Spent oil 1.2 MT generated & sent to PCB authorized recycler.
(2) Solid Waste STP Sludge	Opening Stock (01.04.2024) : Nil Generation (Apr'24-Mar'25) : 801 Disposal/ Consumption (Apr'24-Mar'25) : 801 Closing Stock (31.03.2025) : Nil	Organic matter containing Nitrogen 4%, Phosphorous 0.6%, Potassium 0.5%	Dried sludge used as manure for Green Belt Development

PART – G

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

- * 43638.506 ton of Alternative Fuel & Raw materials (Hazardous and Other wastes) consumed for the year 2024-25.
- * Out of Total 43638.506 Ton AFR materials, 16286.889 Ton of MSW from ULBs, RDF, MLP & PW has been utilized.
- * ETP sludge Consumption increased from 8543.817 Ton to 14806.439 Ton
- * 6289.88 Ton of Captive power plant Fly ash reused in the cement plant.
- * Green Belt Development area covered 33.54% (29.25 hectares @ 61428 trees) in the total plant area.
- * Specific water consumption reduced from 0.067 to 0.054 m³/ton of product.

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

- * Rs. 300 Lakhs for Air Pollution Control Measures which will include replacement of Bag Filters, ESP Maintenance, Concrete Road repairs and maintenance etc.,
- * Rs 80 Lakhs for Air, Water Pollution Control Measures which include replacement of equipments, spares and maintenance etc.
- * Rs 80 Lakhs for other Environmental Protection Measures like plantation of saplings, road sweeping, Horticulture, Gardening, maintaining rainwater harvesting structures etc.,
- * Rs. 40 Lakhs for AMC, Services Calibration for Environment related equipments for Air and Water
- * AFR Operation and Handling Costs of Rs. 400 Lakhs

PART – I

Any other particulars for improving the quality of environment

- * Rs. 270 Lakhs for Air Pollution Control Measures which will include replacement of Bag House, Bag Filters & ESP Maintenance etc.,
- * Rs 76 Lakhs for Air, Water Pollution Control Measures which include replacement of equipments, spares and maintenance etc.
- * Rs 66.0 Lakhs for other Environmental Protection Measures like plantation of saplings, road sweeping, Horticulture, Gardening, maintaining rainwater harvesting structures etc.,
- * Rs. 28.0 Lakhs for AMC, Services Calibration for Environment related equipments for Air and Water
- * AFR Operation and Handling Costs of Rs. 277 Lakhs
- * Quality Management System (ISO 9001), Environmental Management System (ISO 14001), Occupational Health & Safety Management System (ISO 45001) and Energy Management System (ISO 50001) are in place to ensure that all operations are carried out in compliance with International Standards.
- * We celebrated International Plastic Bag Free Day-2024 on 03.07.2024 in our plant premises and created awareness among our employees, and during this event cloth bags were distributed and insisted to avoid single use ban plastic items.
- * We created awareness among our employees by giving "Life Style for Environment" on the topic of "Ban Plastic" in the plant area on 04.07.2024. Life for Environment mission pledge has been taken by our Employees on every month during Oper House Safety meeting.
- * We celebrated World Environment day-2024 on 05.06.2024 theme "Land Restoration, Desertification and Drought Resilience " by planting saplings and created awareness among employees, colony residents.
- * We celebrated International Day of Clean Air for Blue Skies - 2024 on 09.09.2024 theme "Invest in #CleanAirNow" by planting saplings and created awareness among employees.
- * We Celebrated World Ozone Day-2024 on 16.09.2024, theme "Montreal Protocol: Advancing Climate Action", by planting saplings and created awareness among employees. Also, we created awareness to the Varanavasi Govt High school students on the top of "Ban Plastic" and plantation of saplings.
- * Deepavali Awareness on "Celebration of noiseless and smoke free Deepavali - 2024" given to our Colony residents and Employees on 29.10.2024 as per the "Compliance of Hon'ble Supreme Court Order dt. 23.10.208 in W.P.(C) No. 728 of 2015"
- * National Energy Conservation day 2024 celebrated on 20.02.2025 by planting saplings in the plant premises and created awareness among the employees.
- * We celebrated World Water Day-2025 with a theme of " Glaciers Preservation on 22.03.2025 and crated awareness among employees
- * 2 nos. of Kurunkadugal Development completed 1) 1000 nos. of Saplings in 6.0 Acres in our Karuppur Keelapalur LS Mines and 2) with 1000 nos. of saplings in 6.0 Acres in our Arungal LS mines has been maintained.
- * CSR / CER Activities: 1. On 03.07.2024, Manjappai Vending Machine handedover to Govt Hospital Jayankondam . 2. On 12.08.2024, 10 nos of computers to Govt Polytechnic, Keelapalur Ariyalur Dist. 3. On 13.08.2024, Rs. 3.0 Lakh handed over to DFO, Ariyalur for Karaivetti Birds Sanctuary development. 4. On 07.10.2024, Rs. 2.0 Lakh handed over to DFO, Ariyalur for Karaivetti Birds Sanctuary development. 5. Desilting of Various water body channnels in Thirumanur Block, Ariyalur Dits. 6. Drinking RO water purifier 5 nos. given to Sendurai Taluk Govt Middle School, Nakkambadi, Govt Primary School, Ninniyur, Got, Primary School, Unjini Govt Primay School and Govt School in Athikudikadu.

Place : Keelapalur
Date 12.09.2025

[Signature of the Authorized Person]
Name : R. P. Muthiah
Designation : Sr. Vice President [Works]

