Chettinad cement
Pedagarlapadu Project

CCCPL/DACHEPALLI/ENV/2025

27th September, 2025

The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, D. No: 135-43, 1st Floor,
Lucky Complex, JKC College Road,
GUNTUR – 522007 (Andhra Pradesh)

Sub: Submission of Environmental Statement (Form-V) under Rule No.14 of E (P) Rules, 1986 & amendments thereof for our 5.0 MTPA Limestone Mine located at Pedagarlapadu (V), Dachepalli (M), Guntur District, Andhra Pradesh for the period of 2024-25 - Reg.

Ref: 1. CFO No. APPCB/VJA/NLR/161/CTO/HO/2024 Dated 30/03/2024.
2. EC F.N. J-11015/152/2013-IA.II (M) Dated 21st December, 2015.

Dear Sir,

Reference with the Consent Order and Environmental Clearance cited above, we are herewith submitting Environmental Statement (Form-V) under Rule No.14 of E (P) Rules, 1986 & amendments thereof for our 5.0 MTPA Limestone Mine located at Pedagarlapadu (V), Dachepalli (M), Guntur District, Andhra Pradesh for the period of 2024-25.

This is for your information & records please.

Thanking you,

Yours faithfully,
For **Chettinad Cement Corporation Private Limited**

Seetharamulu Ch
Joint President (Works)

Copy: Inspector General of Forests,
Integrated Regional Office (IRO), Vijayawada Green House Complex,
Vijayawada – 520010, Andhra Pradesh – Soft copy through e-mail.

Chettinad Cement Corporation Private Limited
Pedagarlapadu (Village), Dachepalli Mandal,
Guntur District, Andhra Pradesh - 522 437
GSTIN : 37AAACC3130A1ZI

E : pedagarlapadu@chettinadcement.com
www.chettinadcement.com

Chettinad Cement Corporation Private Limited
Regd. Office : 4th Floor, Chettinad Towers, 603,
Anna Salai, Chennai - 600 006
CIN : U93090TN1962PLC004947

ENVIRONMENTAL STATEMENT

(FORM - V)

FOR FINANCIAL YEAR 2024-25

PEDAGARLAPADU LIMESTONE MINE – 5.0 MTPA

CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

Pedagarlapadu (V), Dachepalli (M),

Palnadu (Dist.), Andhra Pradesh - 522437

FORM – V

(See Rule 14)

Environmental Statement Report for Financial Year Ending 31st March 2025

Part – A

A.	Name and address of the owner /occupier of the industry operation or process	:	**Sri. Seetharamulu Ch** **Joint President –Works (Unit Head)** Chettinad Cement Corporation Private Limited (Mining) Pedagarlapadu & Kesanupalli (Villages) Dachepalli (M), Palnadu District – 522437 Andhra Pradesh.
B.	Industry category Primary (STC Code)	:	--
C.	Secondary- (SIC Code)	:	--
D.	Production capacity	:	Limestone – 5.0 Million TPA
E.	Year of establishment	:	2019
F.	Date of last environmental statement submitted	:	28.09.2024

Part – B

Water and Raw Material Consumption

1. Water consumption in m^3/day:

Process	:	100
Cooling	:	--
Domestic	:	10

Name of the products	Process water consumption per unit of products (m^3/Tonne of Product)	
	During the current financial year (2023-24)	During the current financial year (2024-25)
Limestone	0.0020	0.0022

2. Raw Material Consumption:

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the current financial year (2023-24)	During the current financial year (2024-25)
Since this is a mining industry, no raw material is being used for the extraction of limestone			

Part – C

Pollution Discharged To Environment/Unit of Output

(Parameter as specified in the consent issued)

Pollutants		Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water	Pollutants	Kg/day	mg/L	%
There were no water pollutants as mine discharge was not there.				
b) Air	Pollutants	Kg/day	mg/Nm^3	%
There were no source emissions from Mining operations.				

Ambient Air Quality Monitoring Summary (Core Area):

All values are expressed in $\mu g/m^3$

Location	Mines Office				Haulage Road				Drilling area				New Mines Office Area			
Parameters	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2
Apr-24	65.9	25.6	11.5	20.1	72.1	28.1	13.9	25.3	70.4	24.8	13.4	22.7	68.1	22.6	11.2	23.9
May-24	63.9	24.2	10.9	21.5	73.1	29.3	14.2	26.1	71.6	26.4	12.9	23.5	69.4	23.1	10.4	24.3
Jun-24	60.5	22.9	10.1	20.3	70.4	28.5	13.5	24.9	68.5	23.9	12.3	21.8	67.2	22.5	10.1	20.8
Jul-24	58.8	20.4	11.3	21.6	65.9	27.1	13.2	25.8	67.1	21.5	14.5	22.6	64.9	21.9	10.8	19.3
Aug-24	59.6	21.9	11.9	21.1	64.3	28.3	13.7	23.6	68.8	23.1	13.2	23.1	66.5	22.7	10.5	22.7
Sep-24	64.5	25.3	13.9	24.3	67.9	29.4	14.6	21.4	62.1	25.6	14.2	20.6	69.4	24.3	14.6	22.9
Oct-24	56.4	27.8	14.1	18.6	59.7	35.2	15.3	18.5	61.9	32.6	16.1	19.8	63.6	34.9	16.4	18.7
Nov-24	60.5	29.3	15.3	17.9	61.9	31.5	16.8	18.5	57.8	30.2	17.4	19.2	59.4	31.8	18.1	19.6
Dec-24	53.4	21.8	11.7	13.6	64.4	34.3	18.3	19.9	61.8	33.8	19.8	21.3	62.7	35.4	20.4	22.8
Jan-25	56.8	22.5	12.8	15.3	61.6	32.1	16.4	18.2	62.5	30.8	16.2	18.9	61.8	32.4	17.8	20.5
Feb-25	59.9	26.5	14.6	16.1	64.6	33.8	17.3	19.3	66.3	34.5	18.4	20.6	67.2	36.2	19.5	21.7
Mar-25	62.3	29.9	15.4	17.8	61.8	36.6	18.8	21.7	64.4	38.9	19.5	22.6	62.8	39.9	20.8	22.9

Ambient Air Quality Monitoring Summary (Buffer Area):

All values are expressed in µg/m^3

Location	Pedagarlapadu Village				Takkellapadu Village				Kachavaram Village				Veerapuram Village			
Parameters	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2	PM_{10}	$PM_{2.5}$	SO_2	NO_2
Apr-24	60.8	20.1	9.1	19.5	58.6	22.4	9.9	18.2	57.2	23.2	11.3	22.1	59.9	23.9	10.5	19.7
May-24	59.3	21.9	8.7	18.7	57.2	20.8	9.3	17.6	58.4	22.4	10.8	23.5	57.8	21.6	10.2	18.5
Jun-24	58.1	22.5	9.5	19.5	56.5	21.6	9.8	18.1	55.9	20.1	8.7	18.9	56.3	20.9	8.1	17.2
Jul-24	56.3	20.9	8.7	17.3	55.7	20.1	9.5	19.3	56.1	21.5	9.3	20.6	54.7	19.5	8.9	16.4
Aug-24	55.9	20.1	8.3	17.1	55.2	18.7	9.1	18.7	56.9	20.3	9.6	18.3	55.7	19.3	8.1	17.9
Sep-24	52.2	23.6	8.8	16.3	51.7	22.8	9.9	14.2	50.9	24.9	9.2	13.9	53.1	21.7	8.5	12.6
Oct-24	52.6	21.2	9.2	14.6	49.8	20.5	9.0	12.8	50.5	23.3	8.6	11.8	53.3	21.4	9.4	11.9
Nov-24	48.2	23.5	8.2	12.5	46.1	22.1	7.9	10.1	42.3	20.6	8.1	9.9	45.4	23.1	8.6	10.7
Dec-24	50.2	25.4	9.7	14.3	49.4	24.4	8.6	13.7	46.3	25.7	9.7	11.5	47.8	24.9	9.5	14.4
Jan-25	53.2	25.3	10.6	13.2	51.3	26.1	9.8	12.1	48.9	27.4	9.6	11.8	50.7	26.9	9.9	13.4
Feb-25	54.6	27.3	11.8	14.8	53.2	29.5	10.5	13.9	51.3	28.6	10.3	13.1	52.6	29.3	10.7	12.7
Mar-25	56.8	27.6	12.3	14.5	58.9	29.8	11.9	13.8	54.5	29.8	11.7	14.3	56.9	31.3	11.8	13.9

Ambient Noise level Monitoring Summary:

Location	Budawada Village		Kachavaram Village		Gadawaripalli Village		Tummalacheruvu Village	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Apr-24	50.9	40.3	51.3	41.2	50.2	41.6	50.2	40.9
May-24	51.6	41.5	50.7	40.9	51.1	40.2	50.8	40.7
Jun-24	50.3	40.9	51.6	41.1	50.9	40.3	50.5	41.8
Jul-24	51.2	41.0	50.8	40.3	52.5	41.2	51.9	41.5
Aug-24	50.6	41.2	51.2	40.8	50.9	40.9	50.3	41.1
Sep-24	41.8	32.8	43.8	33.5	46.8	31.9	48.2	33.6
Oct-24	43.4	30.2	41.1	31.3	42.3	30.2	44.3	31.7
Nov-24	46.4	34.3	44.1	32.1	45.3	33.7	46.9	36.5
Dec-24	48.4	35.3	46.3	34.1	47.8	34.3	48.2	37.9
Jan-25	49.9	38.4	48.2	36.9	49.1	37.7	48.8	36.9
Feb-25	45.5	36.9	43.9	31.7	41.6	33.4	44.5	35.3
Mar-25	52.4	38.6	51.4	40.6	52.6	41.3	50.7	40.7

Noise levels monitoring in dB (A); Noise level monitoring carried out by M/s. Vimta Labs Ltd.

Day time is reckoned in between 6 AM and 10 PM; Limit < 55.0

Night time is reckoned in between 10 PM and 6 AM; Limit < 45.0

Part – D

Hazardous Waste

As specified under

Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

Hazardous waste	Total Quantity (litres)	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
a) Form Process		
Waste Oil	Nil	Nil
b) Form Pollution Control Facilities	Nil	Nil

Part – E

Solid Waste

Solid waste	Total Quantity (Tonnes)	
	During the current financial year (2023-24)	During the current financial year (2024-25)
A. From process	Nil	Nil
B. From pollution control facilities	Nil	Nil
C. 1. Quantity recycled or re-utilized within the unit (Top Soil)	45175 MT	11026 MT
2. Sold	Nil	Nil
3. Disposed	Nil	Nil

Part – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicates disposal practice adopted for both these categories of wastes

Hazardous waste (Used Oil) was not generated for the period of 2024-25.

The black cotton soil (Top Soil) of 7400 m^3 (11026 MT) generated, being used for plantation purpose.

Part – G

Impact of the Pollution Control Measures on Conservation of Natural Resources and Consequently On the Cost of Production

Significant resource conservation measures undertaken as follows:

- Systematic & Scientific Mining Operations and use of HEMMs.
- Controlled blasting techniques & wet drilling are adopted.
- Proportionate blending of different grades of ore for meeting plant requirements.
- Water spraying is being done on the haul roads to supress the dust emissions.
- Development of Green Belt all along the mine boundary
- Automated Sprinkler system all along the Haul Road up to unloading point for effective Dust suppression.

GREENBELT DEVELOPMENT

Year of Plantation	No's Saplings Planted	Area in Ha	Survival Rate (%)
2018-19	2700	2.43	97%
2019-20	2130	1.81	98%
2020-21	4010	2.51	98%
2021-22	2370	1.95	90%
2022-23	3638	1.06	92%
2023-24	3795	1.08	91%
2024-25	2871	1.93	91%
Total	**21514**	**12.77**	**92%**

Plantation in Vagu Buffer area


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WATER HARVESTING POND

WATER SPRINKLING SYSTEM (DUST SUPPRESSION) IN HAUL ROAD

WATER SPRAYING ON MUCK PILES

Received following Prizes in ME&MC Week 2024-25-Large Mechanised Mines Palnadu group

- 3rd Prize in Innovation in Mining
- 3rd Prize in Systematic & Scientific Development

Received following Prizes in MS&PC 2024-25-Large Mechanised Mines Palnadu group

- 1st Prize in Electrical Installations
- 1st Prize in Inculcate Safety Culture-Achieve Zero Harm
- 2nd Prize in Heavy Earth Moving Machinery

Part – H

Additional Investment for Environmental Protection Including Abatement of Pollution

- An amount of 15.89 lakhs incurred towards recurring expenditure for Greenbelt development & maintenance, dust suppression, monitoring and occupational health check-up of the employees.

PART – I

Any Other Particulars for Improving the Quality of the Environment

- Greenbelt has developed in an area of about 12.77 Ha with 21514 no's of plants in the mining lease area as on 31.03.2025. Proposed greenbelt development for 2025-26 is in an area of 0.80 Ha.
- Rain water harvesting pond developed in the mining lease to hold the surface runoff water.

Authorized Signatory

Seetharamulu Ch

Joint President (Works)