FORM – V

(See Rule 14)

Environmental Statement Report for Financial Year Ending 31st March 2022

Part – A

A.	Name and address of the owner /occupier of the industry operation or process	:	**M/s CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,SY N:09,Tallepalem Village Kasimkota Mandal, Anakapalli District -531031,Andhra Pradesh**
B.	Industry category Primary – (STC Code)	:	
C.	Secondary- (SIC Code)	:	
D.	Production capacity	:	2.0Million Tons
E.	Year of establishment	:	Sep-2021
F.	Date of last environmental statement submitted	:	Not applicable

Part – B

Water and Raw Material Consumption

1. Water consumption in m^3/day:
   - Process : 99.8
   - Dust Suppression : 10
   - Domestic : 3.5
   - Greenbelt : 10

Name of the products	Process water consumption per unit of products (m^3/Tonne of Product)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
Clinker**	0	Nil
Cement	0	0.026

2. Raw Material Consumption:

Name of raw materials	Name of products	Consumption of raw material per unit of output (MT of Raw materials/ MT of Product)	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
Clinker	CEMENT	0	0.94
Imp Gypsum		0	0.03
Slag		0	0.03
Dry Flyash		0	0.01

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**	**%**
	PH	--	8.25	-8.33
	Total Suspend Solids-TSS	0.064	08	-92
	Bio-Chemical Oxygen Demand-BOD	0.224	28	-6.66
	Oil & Grease	0.008	<1	-90
b) Air	**Pollutants**	**Tonnes/year**	**mg/Nm^3**	**%**
	PM	0.86	15	-50

Part – D

Hazardous Waste

As specified under

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

Hazardous waste	Total Quantity (MT)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
a) Form Process		
	Not applicable	Nil
b) Form Pollution Control Facilities	Not Applicable	Nil

Part – E

Solid Waste

Solid waste	Total Quantity (Tonnes)	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
A. From process	Not applicable	Nil
B. From pollution control facilities		Cement dust from APCD's was recycled back in to process.
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 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 was not generated & not disposed for the period of 2021-22.
- No Solid waste is generated in the Manufacturing process.

Part – G

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

We have taken following environment management measures.

- We have installed Air pollution control devices to control Pollution with the prescribed norms
- Installed Online monitoring system at cement mill stacks and two CAAQMS and connected with APPCB website
- Provided Closed shed for storage of Raw material
- Provided closed conveying systems
- Provided Bag filters at all required material transfer points
- Dedicated Road sweeping machine to clean the internal concrete roads
- Provided Sewage treatment plant to treat Domestic waste water and treated waste water will be utilized for Greenbelt development
- 'Greenbelt development in an area of 16 acres and 9 acres plantation is under progress.

Photographs related is given as Annexure 1

Part – H

Additional Investment for Environmental Protection Including Abatement of Pollution

This is the Green field project and this is First Environment statement. We have invested around 100 Cr for the installation of Pollution control measures explained in Part G.

2021-22 Recurring expenses

S.No	Description	Expenses in Lakhs
1	Greenbelt development expenses	7 .5
2	Environment Monitoring expenses	2.32
3	Rainwater harvesting measures expenses	1
4	CAAQMS AMC/ Maintenance expenses	2.56
5	STP Operation cost	1.8
6	Road sweeping machine operation cost	8.28
	Total	**15.96**

PART – I

Any Other Particulars for Improving the Quality of the Environment

Not applicable at this stage

Authorized Signatory

Annexure 1

Clinker Unloading with enclosure and bag filter

Bag filter at Material transfer points

Air Quality Management

Chettinad cement

Bag filter

Cement silo with Bagfilter

Cinker silo with Bagfilter

Road sweeping machine

Closed Conveying

Additives shed

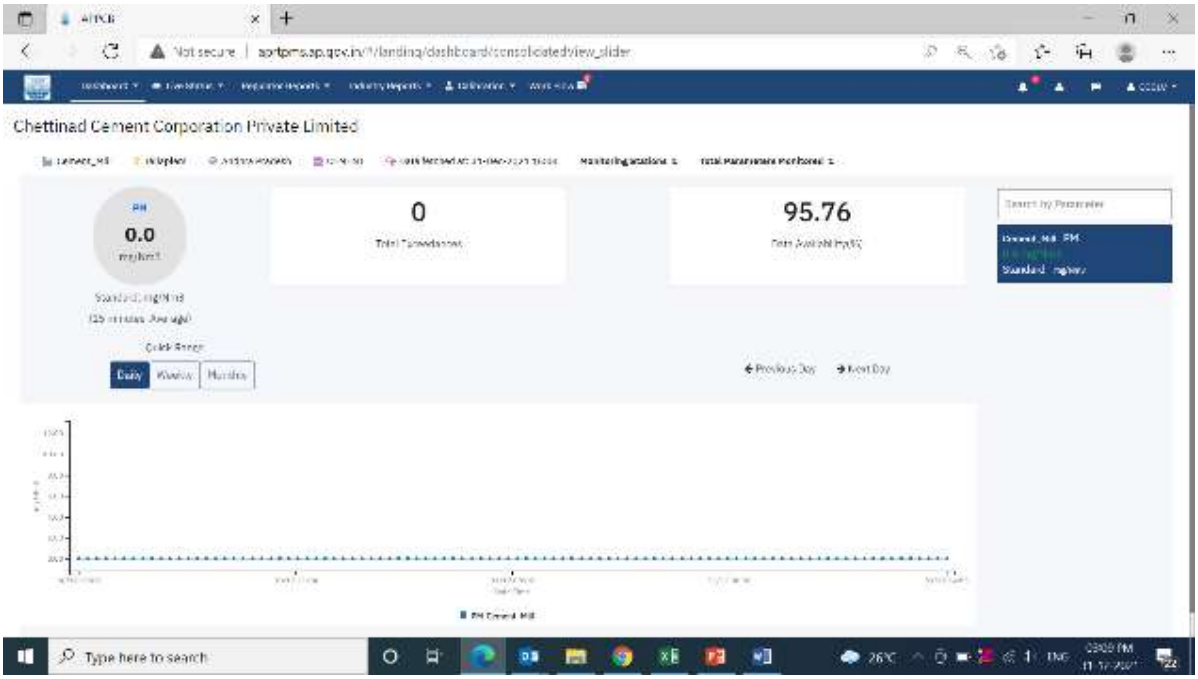
Closed Conveying

Closed Conveying

Continuous Emission Monitoring System (CEMS)

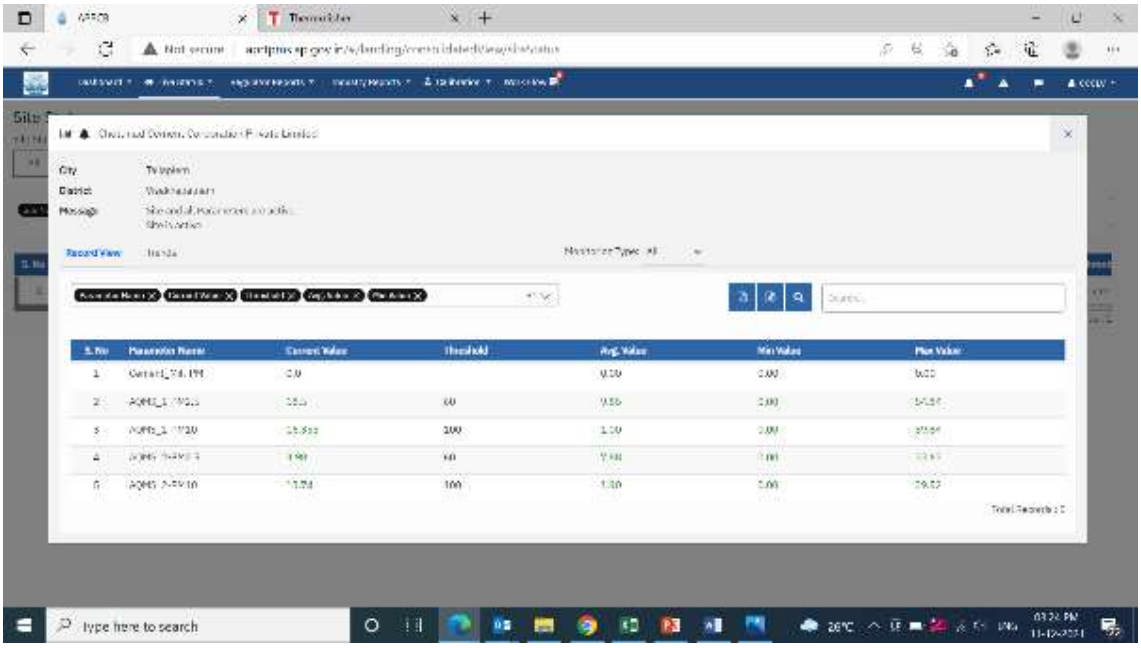
Chettinad cement

PM Analyzer at Cement Mill Stack



Continuous Ambient Air Quality Monitoring System (CAAQMS)

CAAQMS Location (Physical)	CAAQMS Location (Meteorological)	CAAQM Make & Model	Parameters Monitored
CAAQM-1 Near Security Barracks	Up Wind Direction	PM – Metone BAM 1020	PM10, PM2.5,
CAAQM-2 NE corner of the site	Down Wind Direction		PM10, PM2.5,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Green Belt Development
Chettinad cement
Greenbelt all along the Boundary Wall