IS / ISO 9001 BIS QMS | IS / ISO 14001 BIS EMS | IS / ISO 45001 BIS OHSMS | IS / ISO 50001 BIS EnMS

Chettinad cement

Chettinad Cement, KW / DLM / Environmental Statement/ 2023-24/ EHS-236
28th September 2024

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

Respected Sir,

Sub : Submission of **"Environmental Statement - Form V" for the year 2023-24** under Environment (Protection) Rules,1986 for our **"Dholipatti Limestone Mine" – Reg..**

* * * * * * * * *

We hereby enclose the "Environmental Statement - Form V" for the year 2023–24 In accordance with the Environment (Protection) Rules, 1986 our **Dholipatti Limestone Mine** – 1.4 MTPA, Extent of mining lease area of 138.785 ha which is situated at Dholipati, Palayam & Karikkali Villages, Guziliamparai Taluk, Dindigul District, Tamilnadu - 624703.

Kindly acknowledge the receipt of the same please.

Thanking you,

Yours faithfully,
for **CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,**

V.KRISHNAN
JOINT PRESIDENT [WORKS]

CHETTINAD CEMENT CORPN.PVT.LTD. KARIKKALI 624703

Copy to :

1. Regional Director , CPCB, Chennai
2. Director, Regional Office, MoEF & CC, Chennai
3. The District Environmental Engineer, TNPCB, Dindigul

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FORM - V

(Rule 14 of Environment (Protection) Rules, 1986)

Environmental statement for the financial year ending the 31st March 2024

PART – A

(i) Name and address of the owner / occupier of the industry operation or process. : **V.KRISHNAN,**
Joint President [Works]
Dholipatti Limestone Mines
Chettinad cement corporation Private Ltd.,
Rani Meyyammai Nagar, karikkali (PO),
Guziliamparai Taluk, Dindigul District,
Pin - 624 703

(ii) Industry category
Primary (STC Code) : Red Large
Secondary (SIC Code) : 1035- Mining and Ore beneficiation

(iii) Production Capacity : 1.40 MTPA (million tons per annum)

(iv) Year of Establishment : 2001

(v) Date of Last Environment statement submitted : 22nd September, 2023

PART – B

Water and Raw Material Consumption

(i) Water Consumption - m^3/day

Process (Dust Suppression, Green Belt Development)	:	21.08
Cooling	:	NIL
Domestic	:	0.84

Name of the Product	Process water consumption* (m^3) per unit (metric ton) of Product output	
	During the previous financial year 2022-2023	During the current financial year 2023-2024
Limestone	0.010	0.010

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

(ii) Raw Material Consumption:

Name of the raw materials	Name of the Products	Consumption of raw material per unit of Product output	
		During the previous financial year 2022-2023	During the current financial year 2023-2024
No raw material is required as the production activity involves only mining			

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PART – C

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

Pollutants	Quantity of Pollutants discharged (m^3/day)	Concentrations of pollutants in discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water			
Trade Effluent	No Industrial Waste Water generated from the mining operation		
Sewage	Domestic Waste Water treated in septic tank followed by dispersion trench		
(b) Air - Ambient Air Quality			
PM 10	-	57.7	42% lesser compare with norm 100µg/m3
PM 2.5	-	26.7	56% lesser compare with norm 60µg/m3
SO_2	-	10.4	87% lesser compare with norm 80µg/m3
NO_2	-	21.4	73% lesser compare with norm 80µg/m3
CO	-	114.5	94% lesser compare with norm 2000µg/m3

PART – D

HAZARDOUS WASTES

(As specified under [Hazardous Wastes (Management, Handling and Transboundry movement) Rules, 2016]

Hazardous Wastes		Total Quantity Generated	
		During the Previous Financial year 2022-2023	During the Current Financial year 2023-2024
(a)	From Process	No Hazardous Waste generated from Mine Operations	
(b)	From pollution control facilities	No Hazardous Waste generated from Pollution Control Facilities	

PART – E

SOLID WASTES

Solid Waste		Total Quantity Generated (metric ton)	
		During the previous financial year 2022-2023	During the current financial year 2023-2024
(a)	From Process - Rejection (Top soil /Black cotton soil /Red Soil /Black waste rock)	539491	691337
(b)	From pollution control facilities	No Waste generated from Pollution Control Facilities	
(c)	1. Quantity recycled or re-utilized within the unit	Not Applicable	Not Applicable
	2. Sold	Not Applicable	Not Applicable
	3. Disposed	Not Applicable	Not Applicable

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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 Wastes		Quantity	Characteristics	Disposal Practice Adopted
(1)	**Hazardous Waste**	No Hazardous Waste generated from Mining Operations		
(2)	**Solid Waste** Rejection (Top soil /Black cotton soil /Red Soil /Black waste rock)	Opening stock (01.04.2023) :17.11 Million tons Generation (Apr'23–Mar'24):0.69Million tons Consumption/disposal (Apr'23-Mar'24) : NIL Closing stock (31.03.2024): 17.80 Million tons	Solid, Cao : <30% LSF : <70 Sio_2 : 20 - 40% Fe_2O_3: 2-10% Mgo : 1-4% Al_2O_3 : 1-5%	Stored within the Mine at Dump Yard for carrying out reclamation work.

PART – G

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

To sustain the specific water consumption less than 0.01 m^3 tons per ton of limestone Production

PART – H

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

Investment Proposal for Environmental Production for the year 2024-25

- Rs.10.0 lakhs for greenbelt development & plantation of saplings
- Rs 4.0 lakhs for additional rainwater harvesting structures

PART – I

Any other particulars for improving the quality of environment

- Regular maintenance of all mining machinery and vehicles ensured so that vehicular emissions are within prescribed limits
- Pollution Under check certificates verified at the entry point for trucks entering Mine
- Good maintenance of roads ensured
- De-silting of garland drains carried out before monsoon to prevent carry over of solid particles
- So far around **20190 trees** planted covering **10.7 ha @ 1887 trees/ha**

Place : Karikkali-624703
Date : 28th September, 2023

CHETTINAD CEMENT CORPN. PVT. LTD. KARIKKALI 624703

Signature of the Authorised Person
Name : V.KRISHNAN
Designation : Joint President [Works]