Chettinad Cement, KW / DVLM / Environmental Statement / 2020-2021 /EHS-269
28th September, 2021

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 2020-21 under Environment (Protection) Rules,1986 for our **Devarmalai Limestone Mines** – Reg.

* * * * * * * * *

With reference to the above subject, the **"Environmental Statement – Form V"** has been submitted here for the year **2020-2021** under Environment (Protection) Rules, 1986 for Our **"Devarmalai Limestone Mine"** - 0.8 MTPA, Extent of mining lease area of 166.535 ha, which is situated at Devarmalai & Melapaguthi Villages, Kadavur Taluk, Karur District, Tamilnadu - 621301.

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, Bangalore
2. Director, Regional Office, MoEF & CC, Chennai
3. The District Environmental Engineer, TNPCB, Karur

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FORM - V

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

Environmental statement for the financial year ending the 31st March 2021

PART – A

(i) Name and address of the owner / occupier of the industry operation or process. : **V.KRISHNAN,**
Joint President [Works]
Devarmalai Limestone Mines
Chettinad cement corporation Private Ltd.,
Devarmalai & Melapaguthi Village,
Kadavur Taulk, Karur District
Tamilnadu , Pin code - 621 301

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

(iii) Production Capacity : 0.80 MTPA (Million tons per annum)

(iv) Year of Establishment : 2008

(v) Date of Last Environment statement submitted : 30th June, 2020

PART – B

Water and Raw Material Consumption

(i) Water Consumption - m^3/day

Process (Dust Suppression, Green Belt Development) : 8.14
Cooling : NIL
Domestic : 0.72

Name of the Product	Process water consumption* (m^3) per unit (metric ton) of Product output	
	During the previous financial year 2019-2020	During the current financial year 2020-2021
Limestone	0.00435	0.00410

* 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 2019-2020	During the current financial year 2020-2021
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 (kg/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	Not Applicable as there is no point source of emission in Mine	54.4	46% lesser compare with norm 100µg/m3
PM 2.5		22.6	62% lesser compare with norm 60µg/m3
SO_2		9.7	88% lesser compare with norm 80µg/m3
NO_2		20.4	74% 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 2019-2020	During the current financial year 2020-2021
(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 2019-2020	During the current financial year 2020-2021
(a)	From Process - Rejection (Top soil /Black cotton soil /Red Soil /Black waste rock)	884302	624649
(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 Mine Operations		
(2)	**Solid Waste** Rejection (Top soil /Black cotton soil /Red Soil /Black waste rock)	Opening stock (01.04.2020) : 5.32 Million tons Generation (Apr'20–Mar'21) : 0.62 Million tons Consumption / Disposal (Apr'20-Mar'21) : NIL Closing stock (31.03.2021) : 5.94 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

Achieved the specific water consumption less than 0.01 m^3 tons per ton of Limestone

PART – H

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

Investment Proposal for Environmental Production

- Rs 2.0 lakh for greenbelt development & plantation of saplings
- Rs 1.5 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 **5988 trees** planted covering **4.4 ha @ 1361 trees/ ha**

Place : Karikkali
Date : 28th September, 2021

(Signature of the Authorized Person)
Name : V.KRISHNAN
Designation : JOINT PRESIDENT [WORKS]

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