

Chettinad Cement/ Ariyalur/Alanthuraiyarkattalai Mine /Environment Statement/2017 /244

28th Sep, 2017

Member Secretary

Tamil Nadu Pollution Control Board

76, Mount Salai, Guindy

Chennai – 600 032

Respected Sir,

Sub : Submission of Environmental Statement in “From V” under Environment (Protection) Rules,1986 for the year 2016-17 - Alanthuraiyarkattalai Limestone Mine of Chettinad Cement Corporation Private Limited located at Alanthuraiyarkattalai Village, Ariyalur Taluk & District, Tamilnadu– Extent of Mining Lease Area 22.26 ha – Mining Production Capacity 0.5 million ton per annum

We submit herewith the “**Environmental Statement**” pertaining to our Alanthuraiyarkattalai Limestone Mine (Extent of Mining Lease Area : 22.26 ha, Mining Production Capacity : 0.5 million ton per annum) located at Alanthuraiyarkattalai Village, Ariyalur Taluk & District, Tamilnadu , in the prescribed format (**Form V**) under Environment (Protection) Rules, 1986, for the year 2016-17

Kindly acknowledge the receipt.

Yours faithfully

for **Chettinad Cement Corporation Private Limited**



M.Sundaramoorthy
Joint President (Works)

Copy to :

1. Scientist ‘E’ & In-charge , CPCB, Bangalore
2. Director, Regional Office, MoEF & CC, Chennai
3. JCEE, TNPCB, Trichy
4. DEE, TNPCB, Ariyalur

FORM - V

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

Environmental Statement for the Financial Year ending the 31st March 2017**PART – A**

- (i) Name and address of the owner / occupier of the industry operation or process. : **M Sundaramoorthy**
Joint President (Works)
Chettinad Cement Corporation Private Limited
Alanthuraiyarkattalai Limestone Mine
Alanthuraiyarkattalai Village
Ariyalur Taluk & District
Tamilnadu
Pincode :621707
- (ii) Industry category
Primary (STC Code) : Red Large
Secondary (SIC Code) : 1049- Mining and Ore beneficiation
- (iii) Production Capacity : 0.5 million ton per annum (mtpa)
- (iv) Year of Establishment : 2007
- (v) Date of Last Environment Statement submitted : 27th Sep, 2016

PART – B**Water and Raw Material Consumption****(i) Water Consumption (m³/day)**

Dust Suppression	:	5.3
Cooling	:	NIL
Greenbelt	:	3.3
Domestic	:	2.14

Name of the Product	Process Water Consumption* (m ³) per unit (metric ton) of Product Output	
	During the Previous Financial Year (2015-2016)	During the Current Financial Year (2016-2017)
Limestone	0.0056	0.0053

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

(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 (2015-2016)	During the Current Financial Year (2016- 2017)
No raw material is required as the production activity involves only mining			

PART – C

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

Pollutant	Quantity of Pollutant Discharged (mass/day)	Concentration of Pollutant in Discharges (Mass/volume)	Percentage of Variation from prescribed Standard with reasons
(a) Water			
<ul style="list-style-type: none"> No Waste Water discharge from mine. 			
Pollutant	Quantity of Pollutant Discharged (mass/day)	Concentrations of Pollutants in Ambient Air (Mass/volume) ($\mu\text{g}/\text{m}^3$)	Percentage of variation from prescribed standards with reasons
(b) Air (Ambient Air Quality)			
PM ₁₀	Not Applicable as there is no point source of emission in Mine	32.15	Compared to Norm less by 68 %
PM _{2.5}		19.8	Compared to Norm less by 67.0 %
SO ₂		11.3	Compared to Norm less by 86 %
NO ₂		10.2	Compared to Norm less by 87 %
CO		< 114.5	Compared to Norm less by 94. %

PART – D

Hazardous Wastes

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

Hazardous Waste	Total Quantity Generated	
	During the Previous Financial Year 2015-16	During the Current Financial Year 2016-17
From Process	No Hazardous Waste generated from Mine Operations	
From Pollution Control Facilities	No Hazardous Waste generated from Pollution Control Facilities	

PART – E

Solid Wastes

Solid Waste		Total Quantity (metric tons)	
		During the Previous Financial Year (2015-16)	During the Current Financial Year (2016- 17)
(a)	From Process	No Solid Waste generated from Mine Operations	
(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

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 Waste		Quantity	Characteristics	Disposal Practice Adopted
1	Hazardous Waste	No Hazardous Waste generated from Mine Operations		
2	Solid Waste	No Solid Waste generated from Mine Operations		

PART – G

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

- Reduction in specific consumption of water from 0.0056 to 0.0053 m³ 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 for the year 2017-18

- Rs 0.25 lakh for plantation of saplings

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 18615 trees planted covering 9.3 ha

Place : Ariyalur

Date : 28th Sep, 2017

(Signature of the Authorized Person)

Name : M. Sundaramoorthy

Designation : Joint President (Works)