

Chettinad Cement/ Unjini Mine/Environment Statement/ 2020-21 / 246

24<sup>th</sup> Sep , 2021

**Member Secretary**

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

Respected Sir,

Sub : Submission of Environmental Statement in "Form V" under Environment (Protection) Rules, 1986 for the year 2020-21 Chettinad Cement Corporation Private Limited, Unjini Limestone Mine, Unjini Village, Ariyalur District, Tamilnadu

We submit herewith the "Environmental Statement" pertaining to our Unjini Limestone Mine in the prescribed format (Form V) under Environment (Protection) Rules, 1986 for the year 2020-21.

Kindly acknowledge the receipt.

Thanking you

Yours faithfully

for Chettinad Cement Corporation Private Limited



A. Amalraj  
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

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

Environmental Statement for the Financial Year ending the 31<sup>st</sup> March 2021

PART - A

- (i) Name and address of the owner / occupier of the industry operation or process. : A. Amalraj  
Joint President ( Works)  
Chettinad Cement Corporation Private Limited  
Unjini Limestone Mine  
Unjini Village  
Ariyalur District  
Tamilnadu  
Pincode :621714
- (ii) Industry category  
Primary (STC Code) : Red Large  
Secondary (SIC Code) : 1049- Mining and Ore beneficiation
- (iii) Production Capacity : 0.3million ton per annum (mtpa)
- (iv) Year of Establishment : 2007
- (v) Date of Last Environment Statement submitted : 16.09.2020

PART - B

Water and Raw Material Consumption

(i) Water Consumption (m<sup>3</sup>/day)

Dust Suppression	:	0.87
Cooling	:	Not Applicable
Greenbelt	:	5.8
Domestic	:	0.8

Name of the Product		* Process Water Consumption (m <sup>3</sup> ) per unit (metric ton) of Product Output	
		During the Previous Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
(1)	Limestone	0.0072	No production

\*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 (2019-2020)	During the Current Financial Year (2020-2021)
(1) None #	Limestone	--	--

# As the production activity involves only mining, no raw material is required

PART – C

Pollution Discharged to Environment/unit of output

(Parameter as specified in the consent issued)

Pollutant	Quantity of Pollutant Discharged (mass/day)	Concentrations of Pollutants in Discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water No generation of any waste water from mining operation  Domestic waste water is being sent septic tank , followed by dispersion trench			



<b>(b) Air</b>			
<b>Pollutant</b>	<b>Quantity of Pollutant Discharged (mass/day)</b>	<b>Concentrations of Pollutants in Discharges (Mass/volume) (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Percentage of variation from prescribed standards with reasons</b>
PM <sub>10</sub>	Not Applicable as there is no point source of emission in Mine	41.0	Compared to Norm Less by 59.0 %
PM <sub>2.5</sub>		17.0	Compared to Norm Less by 72.0 %
SO <sub>2</sub>		6.0	Compared to Norm Less by 93.0 %
NO <sub>2</sub>		13.0	Compared to Norm Less by 84.0 %
CO		<114	Compared to Norm Less by 94.0 %

**PART – D**

**HAZARDOUS WASTES**

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

<b>Hazardous Waste</b>		<b>Total Quantity Generated in metric tons</b>	
		<b>During the Previous Financial Year (2019-2020)</b>	<b>During the Current Financial Year (2020-2021)</b>
(a)	From Process - None	NIL	NIL
(b)	From Pollution Control Facilities-None	NIL	NIL

**PART – E  
SOLID WASTES**

Solid Waste		Total Quantity Generated (metric tons)	
		During the Previous Financial Year (2019-2020)	During the Current Financial Year (2020-2021)
(a)	From Process- Rejection ( Top Soil)	183500	49215
(b)	From pollution control facilities	NIL	NIL
(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 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	NIL	NA	NA
(2)	Solid Waste Rejection ( Top Soil)	Opening Stock ( as on 01.04.2020) : 526092 tons Generation (Apr'20-Mar'21) : 49215 Consumption (Apr'20-Mar'21) : NIL Closing Stock ( as on 31.03.2021) : 575307 tons	SiO <sub>2</sub> 25- 35 % CaO 15- 20% Fe <sub>2</sub> O <sub>3</sub> 3- 5% Al <sub>2</sub> O <sub>3</sub> 2- 3%	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

No Production

PART – H

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

**Investment Proposal for Environmental Protection for the year 2021-22**

- Plantation of saplings : Rs 0.40 lakh

PART – I

Any other particulars for improving the quality of environment

- a. Regular maintenance of all mining machinery and vehicles are being ensured so that vehicular emissions are within prescribed limits
- b. Good maintenance of roads is being ensured
- c. Water sprinkling is being carried out to suppress dust emission
- d. De-silting of garland drains are being done before monsoon to prevent carryover of solid particles
- e. So far around 17800 trees planted covering 8.9 ha.

Place : Ariyalur

Date : 24.09.2021

(Signature of the Authorised Person)

Name : A. Amalraj

Designation : Joint President (Works)