

28th Sep, 2017

Member Secretary,
Karnataka state Pollution Control Board
49, Church Street
Bangalore ,Karnataka – 560 001

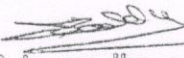
Respected Sir,

Sub : Submission of Environmental Statement in "Form V" for the year 2016- 17 under Environment (Protection) Rules, 1986 - Kallur Limestone Mine of Chettinad Cement Corporation Private Limited located at Kallur Village, Chincholi Taluk , Kalaburagi District, Karnataka – Extent of Mining Lease Area 422.940 ha – Mining Production Capacity 4.0 million ton per annum

We submit herewith the "Environmental Statement" in the prescribed format (Form V) for the year 2016-17 under Environment (Protection) Rules, 1986 pertaining to Kallur Limestone Mine (Extent of Mining Lease Area: 422.940 ha, Mining Production Capacity : 4.0 million ton per annum) located at Kallur Village, Chincholi Taluk , Kalaburagi District, Karnataka.

Kindly acknowledge the receipt.

Yours faithfully
for Chettinad Cement Corporation Private Limited


C. Janaradha Reddy
Joint President (Works)

Copy to :

1. Scientist 'E' & In-Charge, CPCB, Bengaluru
2. Director (SZ), Regional Office (SZ) of MoEFCC, Bengaluru
3. Senior Environmental Officer, KSPCB, Kalaburagi
4. Environmental Officer, KSPCB, Kalaburagi

Chettinad Cement Corporation Private Limited

Kallur Works, Sangam K
Garagapalli Post, Chandapur (SO)
Chincholi (TK), Kalaburagi (Gulbarga) (DT)
Karnataka, Pin - 585305, India.
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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. : **C Janaradhana Reddy**
Joint President (Works)
Chettinad Cement Corporation Private Limited
Kallur Limestone Mine
Kallur Village
Chincholi Taluk , Kalaburagi District
Karnataka
Pincode : 585305
- (ii) Industry category :
Primary (STC Code) : Red Large
Secondary (SIC Code) : 1049- Mining and Ore beneficiation
- (iii) Production Capacity : 4.0 million ton per annum (mtpa)
- (iv) Year of Establishment : 2012
- (v) Date of Last Environment Statement submitted : 27th Sep, 2016

PART - B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

- Dust Suppression & Greenbelt : 15.9
- Cooling : NIL
- Domestic : 2.8

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	0.0016	0.0025

*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 (2015-16)	During the Current Financial Year (2016-17)
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			
• No waste water discharge from the 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 Standard with reasons
(b) Air (Ambient Air Quality)			
PM ₁₀	Not Applicable as there is no point source of emission in Mine	44.4	Compared to Standard less by 55.6 %
PM _{2.5}		23.0	Compared to Standard less by 61.7 %
SO ₂		9.9	Compared to Standard less by 87.7 %
NO ₂		13.0	Compared to Standard less by 83.8 %

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 - Black Cotton Soil (Generated Quantity)	216943	152337
(b)	From Pollution Control Facilities	No Waste generated from Pollution Control Facilities	
(c)	1.Quantity recycled or re-utilized within the unit	216943	152337
	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 Black Cotton Soil	Opening Stock (as on 01.04.2016) : NIL Generation (Apr'16-Mar'17) : 152337 tons Consumption (Apr'16-Mar'17) : 152337 tons Closing Stock (as on 31.03.2017 : NIL	Organic Carbon % : .36 Nitrogen as N (kg/ha) : 21 Potassium as K ₂ O (kg/ha) : 75	Used for the formation of bunds along Mine boundary and for greenbelt development in Plant & Mine.

PART – G

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

- Low quality Limestone, instead of rejecting, blended with high quality Limestone and used in the Cement Plant for conservation of mineral.

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 1.5 lakhs for plantation of saplings

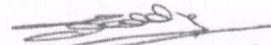
PART – I

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
- De-silting of garland drains carried out before monsoon to prevent carry over of solid particles
- So far around 38612 trees planted covering 19.68 ha
- ISO 14001, OHSAS 18001, ISO 9001 Management Systems implemented

Place : Kallur

Date : 28th Sep, 2017



(Signature of the Authorized Person)

Name : C Janaradhana Reddy

Designation : Joint President (Works)