



IS / ISO 9001: 2008
IS / ISO 14001:2004
IS 18001: 2007
Certified Company

THE RAMCO CEMENTS LIMITED

(formerly known as Madras Cements Ltd.)

Govindapuram, Sendurai Road,
Ariyalur Taluk – 621713
Ariyalur District, Tamilnadu, India
Phone: 04329 – 226001 to 226003
Fax: 04329-226005
CIN: I 26941TN1957PI C003566

26th Sep 2016

To
The Member Secretary,
Tamil Nadu Pollution Control Board
76, Mount Salai, Guindy
Chennai - 32

Dear Sir,

Sub: - Environmental Statement for the financial year 2015-16 – Reg.

We hereby submit the form V duly filled with regard to the Environmental Statement for the financial year 2015 - 2016.

The necessary annexure are enclosed along with Form-V. Kindly acknowledge on the receipt.

Thanking You,

Yours Faithfully,

For **THE RAMCO CEMENTS LIMITED**

N. R. Ramanathan
Vice President (Mfg)

CC: - The District Environmental Engineer
Tamilnadu Pollution Control Board,
99-A, Ethiraj Nagar,
Railway Station Road,
Ariyalur-621713

ANNEXURE – XII (refer page – 25)

ENVIRONMENTAL STATEMENT FORM – V

(See rule 14)

Environmental Statement for the financial year ending with 31st March 2016

PART – A

- I. Name and address of the owner / Occupier of the industry operation or process. **N. R. RAMANATHAN
The Ramco Cements Limited
Govindapuram works
Sendurai road, Ariyalur - 621713**
- II. Industry category Primary – (STC Code) Secondary – (STC Code) – **Red**
- III. Production capacity – Units **5.5 MTPA**
- IV. Year of establishment **2009**
- V. Date of last environmental statement submitted **2015**

PART – B

Water and Raw Material Consumption:

- I. Water Consumption in m³/d

Process	:	537 KLD
Cooling	:	65 KLD
Domestic	:	330 KLD

Name of Products	Process water consumption per unit of products	
	during the previous financial year	during the current financial year
1.		
2.		
3.		
4.		
5.		
6.		

II. Raw material consumption

S.No	Name of raw materials *	Consumption of raw materials per unit of output	
		during the previous financial year	during the current financial year
1.	Limestone	1.4677	1.4533
2.	Bauxite	-	-
3.	Iron ore	-	-
4.	Gypsum	0.0497	0.0422
5.	Fly ash	0.2389	0.2500
6.	Coal	0.1169	0.0900
7.	Slag	0.0569	0.0644

Industry may use codes if disclosing details of raw material would violate contractual obligations, other wise all industries have to name the raw materials used.

PART – C

Pollution discharged to environment / unit of output

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/ volume)	Percentage of variation from prescribed standards with reasons.
a) Water	4.06	-	-
b) Air	106.88	-	-

PART – D

HAZARDOUS WASTES

Is specified under Hazardous Wastes (Management & Handling Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1) From Process	Nil	Nil
2) From Pollution Control Facilities		

PART – E

SOLID WASTES:

Name of raw materials *	Consumption of raw materials per unit of output	
	during the previous financial year	during the current financial year
(a). From process	No solid waste generated	
(b). From Pollution Control Facility	-	-
(C). Quantity recycled or re-utilised within the unit	N.A.	N.A.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Annexure - I

PART – G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

Annexure - II

PART – H

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

Annexure - III

PART – I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

Annexure - IV



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Annexure –I

PART – F

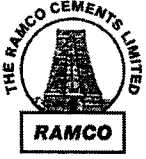
Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Waste oil Characteristics

Sp.gravity	:	Variable
Physical status	:	Liquid
Chemical composition	:	Hydrocarbon
Calorific value	:	6000 – 10000 kcal/kg

We are consuming waste oils for lubrication of chains.

No solid waste generated in the cement plant. However, the thermal power plant ash is utilized completely in cement manufacturing process.



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Annexure – II

PART – G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

- 1. We have installed dry fog system for dust Suppression at the coal conveyors worth Rs. 32 Lakhs.**
- 2. Limestone crusher line-2 venting line modification was carried out for Rs. 2.5 Lakhs.**
- 3. We had installed bag filters at coal tunnel worth Rs. 25 Lakhs.**
- 4. Erected bag filter for coal transport conveyor worth Rs. 10 Lakhs.**
- 5. Erected bag filter for coal transport conveyor near Limestone Stack Reclaimer worth Rs. 10 Lakhs**
- 6. Rs. 32.1 Lakhs/annum (2015-16) was spent towards periodical maintenance of pollution Control equipments (Bags & Cages replacement in Main Bag House, Bag filters, purging valves, solenoid valve coils replacement, Spares consumption in purging compressor) in order to function efficiently.**
- 7. We have planted around 2000 trees within the plant premises so far in this year (2015-2016). Overall we have planted 77620 trees in and around our premises. We spent around Rs. 36.8 Lakhs in green belt improvement and development for the last year.**



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Annexure – III

PART – H

Additional measures/investment proposed done for environmental specification including the basement of prevention of pollution.

1. Sewage Treatment plant with a Capacity of 350m³/ day is being operated efficiently and meets the standards prescribed by the board and the treated Sewage water is being used for green belt development. We have spent **Rs. 6.85 Lakhs** last year for the efficient operation of STP to meet the prescribed standards.
2. Spent **Rs. 2.53 Lakhs** towards the maintenance of water treatment plant and ambient air quality station.
3. Cost spent towards housekeeping in factory premises in order to prevent fugitive emission was **Rs.6.15 Lakhs**.
4. Rainwater outlet channel work at rain water harvest pond and construction of additional storm water drain was carried out and the cost incurred was **Rs. 37.15 Lakhs**.
5. We had procured 13 manual sweeping machines for each section at the cost of **Rs. 13.52 Lakhs**.



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Annexure – IV

PART – I

Any other particulars in respect of environmental protection and abatement of pollution.

1. We had planted 1000 trees in and around Ariyalur and villages namely Govindapuram, Nallambathai and Railway Station worth **Rs. 2.15 Lakhs.**
2. We have created Thurai Lake for the benefit of Eruthukaranpatti Panchayat worth **Rs. 3.5 Lakhs.**
3. We have been certified for best 5S implementation award.
4. We celebrated the environment day by planting trees and creating awareness among the employees.
5. E-approval system for our internal sanctions in order to save the consumption of paper is ongoing.
6. We have installed RO System for drinking water purpose at Government ITI, Ariyalur worth **Rs. 28,000.**
7. We have constructed a retaining wall at a cost of **Rs. 2.5 Lakhs** at Thamaraiikulam Lake.
8. We spent **Rs. 31,181** towards the garden maintenance at Chetty Lake, Ariyalur.
9. Our unit was certified for implementing 5S practices by Quality Circle Forum of India.