



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

25th Sep 2020

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

Dear Sir,

Sub: - Environmental Statement for the financial year 2019-20 – Reg.

We hereby submit the form V duly filled with regard to the Environmental Statement for the financial year 2019 – 2020 for our Captive power plant.

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

Thanking You,

Yours Faithfully,

For **THE RAMCO CEMENTS LIMITED**

Madhusudan Kulkarni
Vice President (Works)

CC: -

The Joint Chief Environmental Engineer
Tamilnadu Pollution Control Board,
No.-25, SIDCO Developed Plots,
Thuvakudy, Trichy – 620015

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 2020

PART – A

- I. Name and address of the owner / Occupier of the industry operation or process. : **MADHUSUDAN KULKARNI
The Ramco Cements Limited
Govindapuram works
Sendurai road, Ariyalur - 621713**
- II. Industry category Primary – (STC Code) : **Red**
Secondary – (STC Code)
- III. Production capacity : **66 MW (Captive Power Plant)**
- IV. Year of establishment : **60 MW – 2011
6 MW - 2015**
- V. Date of last environmental statement submitted : **25.09.2019**

PART – B

Water and Raw Material Consumption:

I. Water Consumption in m³/d

- Process : **Nil**
- Cooling : **307 KLD**
- Domestic : **10 KLD**

Name of Products	Process water consumption per unit of products	
	during the previous financial year	during the current financial year
Electric Power	N.A	N.A

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)



Authorised Signatory

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.	Imported Coal	0.70 T/MWH	0.44 T/MWH

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	Annexure - 1	-	Percentage of variation with the standard norms
b) Air	TPP - 40MW PM – 26.8 mg/Nm ³ SO ₂ – 390 mg/Nm ³ NO _x – 199.7 mg/Nm ³	-	Percentage of variation with the standard norms

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	N.A.	N.A.
2) From Pollution Control Facilities		

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)



Authorised Signatory

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	19238.58 T	18268.44 T
(b). From Pollution Control Facility	N.A.	N.A.
(C). Quantity recycled or re-utilised within the unit (Flyash)	19238.58 T	18268.44 T

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.

Nil

PART – G

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

Nil

PART – H

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

1. We have installed a fully electronic display board in front of the main gate displaying the emission levels to the public.
2. We have connected our stacks & Ambient Air Quality Monitoring system with Care Air Centre of TNPCB, Chennai and CPCB for continuous monitoring of our emission & ambient level. Our effluent parameters are connected online with Water Quality Watch, Chennai and CPCB for continuous monitoring of effluent parameters.
3. Installed online monitoring of NOx and SOx gas analyzer in stack exhaust and connected with Care Air Centre of TNPCB, Chennai and CPCB and periodically calibrated.

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)



Authorised Signatory

4. Installed Electro Magnetic Flow Meter in ETP and provided a computer recording arrangement which is working effectively.
5. Entire effluent treated water is utilized for equipment cooling in the cement plant.

PART – I

Miscellaneous:

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

1. Massive Green belt developed in factory and colony. The green belt is developed using treated water from our sewage treatment plant.
2. Housekeeping is being constantly maintained.

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)



Authorised Signatory



सर्वोत्तम उत्कृष्ट गुण



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

Govindapuram, Sendurai Road,
Ariyalur Taluk – 621713
Ariyalur District, Tamilnadu, India
Phone: 04329 – 226001 to 226004
Fax: 04329-226005

THE RAMCO CEMENTS LIMITED

(formerly known as Madras Cements Ltd.)

Annexure - J

Consolidated Report of Analysis of the Trade Effluent samples Collected by TNPCB officials.

Effluent Treatment RO Plant Permeate & Reject samples

S. No.	Parameters	Unit	Month / Date of Collection							
			05.04.19		03.05.19		06.06.19		26.07.19	
			Permeate	Reject	Permeate	Reject	Permeate	Reject	Permeate	Reject
1	pH	-	7.85	8.17	6.71	7.19	7.11	7.7	7.02	8.21
2	Total Suspended Solids	mg/l	2	4	2	4	2	6	2	4
3	Total Dissolved Solids	mg/l	30	1812	56	2170	340	976	94	1826
4	Chlorides as (Cl)	mg/l	12	120	17	370	12	70	10	140
5	Sulphates as (SO ₄ ²⁻)	mg/l	4	189	7	202	8	72	12	203
6	Oil and Grease	mg/l	<1	<1	<1	<1	<1	<1	<1	<1
7	BOD at 27°C for 3 days	mg/l	<2	3	<2	3	<2	3	2	3
8	COD	mg/l	16	32	24	40	16	32	16	32
9	Total Phosphate	mg/l	-	-	0.019	0.151	0.152	0.12	0.103	0.202

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)

N. Srinivas

Authorised Signatory



THE RAMCO CEMENTS LIMITED

(formerly known as Madras Cements Ltd.)



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

Govindapuram, Sendurai Road,
Ariyalur Taluk – 621713
Ariyalur District, Taminadu, India
Phone: 04329 – 226001 to 226004
Fax: 04329-226005

S. No.	Parameters	Unit	Month / Date of Collection											
			16.08.19		04.09.19		11.10.19		12.11.19					
			Permeate	Reject	Permeate	Reject	Permeate	Reject	Permeate	Reject				
1	pH	-	6.81	7.68	7.53	8.56	5.88	7.36	7.96	8.18				
2	Total Suspended Solids	mg/l	8	4	2	4	2	4	2	4				
3	Total Dissolved Solids	mg/l	112	1676	44	1658	30	1840	32	1502				
4	Chlorides as (Cl)	mg/l	20	130	18	120	6	170	10	205				
5	Sulphates as (SO ₄ ²⁻)	mg/l	43	205	6	207	5	238	6	245				
6	Oil and Grease	mg/l	<1	<1	<1	<1	<1	<1	<1	<1				
7	BOD at 27° C for 3 days	mg/l	2	4	2	3	2	3	2	3				
8	COD	mg/l	24	40	16	32	16	32	16	32				
9	Total Phosphate	mg/l	0.064	0.21	0.015	0.110	0.002	0.160	0.017	0.143				

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)

Authorised Signatory



THE RAMCO CEMENTS LIMITED

(formerly known as Madras Cements Ltd.)



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

Govindapuram, Sendurai Road,
Ariyalur Taluk – 621713
Ariyalur District, Tamilnadu, India
Phone: 04329 – 226001 to 226004
Fax: 04329-226005

S. No.	Parameters	Unit	Month / Date of Collection											
			12.12.19			07.01.2020			13.02.2020			11.03.2020		
			Permeate	Reject	Feed	Permeate	Reject	Permeate	Reject	Permeate	Reject	Permeate	Reject	
1	pH	-	6.01	7.11	7.98	7.57	8.13	6.86	7.81	7.17	8.16			
2	Total Suspended Solids	mg/l	2	4	4	2	6	2	4	4	16			
3	Total Dissolved Solids	mg/l	34	1760	728	32	1608	38	1602	40	1672			
4	Chlorides as (Cl)	mg/l	18	620	105	7	25	8	210	7	110			
5	Sulphates as (SO ₄ ²⁻)	mg/l	7	558	123	5	260	6	240	6	242			
6	Oil and Grease	mg/l	<1	<1	<1	<1	<1	<1	<1	<1	<1			
7	BOD at 27 °C for 3 days	mg/l	2	2	2	<2	3	<2	2	<2	2			
8	COD	mg/l	16	32	24	8	32	16	32	16	32			
9	Total Phosphate	mg/l	0.02	0.31	0.157	0.017	0.149	0.022	0.107	0.016	0.131			

The Ramco Cements Limited
(Formerly known as Madras Cements Ltd)

Authorised Signatory