



Date: 09-06-2021

RIL/ENV/TNPCB/21-22/01

To
The District Environment Engineer
Tamil Nadu Pollution Control Board
Pettai, Tirunelveli.

Sub: Submitting Environmental Statement (Form V) for the financial year ending 31st March 2021.

Sir,

We are sending our plant Environmental Statement (Form V) for the financial year ending 31st March 2021 for your perusal records.

We request you kindly acknowledge the above.

Thanking you

Yours faithfully
For RAMCO INDUSTRIES LIMITED


T.VIJAYAKUMAR
Asst. General Manager

Encl : 1. Form – V
2. Stack monitoring report
3. Hazardous waste details

FORM V

Environmental Statement for the financial year ending 31st March 2021.

Part A

i) Name and address of the owner/occupier of the industry operation or process. T. VIJAYAKUMAR RAMCO INDUSTRIES LIMITED PLOT NO. A-12, SIPCOT INDUSTRIAL GROWTH CENTRE, GANGAIKONDAN, TIRUNELVELI – 627 352 RED LARGE Asbestos Cement Products - 120000 MT PA	ii) Industry category: Primary - (STC Code) / Secondary - (SIC Code). iii) Production capacity - Units - iv) Year of establishment. v) Date of the last environmental statement submitted.
	2010 02.06.2020

Part B

Water and Raw Material Consumption	
i) Water consumption m ³ /d	77.0 m ³ /day
Process	10.0 m ³ /day
Green belt development	8.0 m ³ /day
Domestic	95.0 m ³ /day
Total	95.0 m ³ /day

Name of products	Process water consumption per unit of product output	
	During the previous financial year 2019 - 20	During the current financial year 2020 - 21
	(1)	(2)
(1) A.C. Sheets & Accessories	0.30 KL	0.31 KL

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Raw Material Consumption

Name of Raw Materials	Name of Products	Consumption of raw materials per unit of output	
		During the current financial year 2019 - 2020	During the current financial year 2020 - 2021
1) CEMENT	Asbestos Cement Sheets & Accessories	0.337 MT	0.338 MT
2) ASBESTOS FIBER		0.073 MT	0.067 MT
3) FYLASH		0.265 MT	0.260 MT
4) PULP		0.015 MT	0.015 MT
5) SYNTHETIC FIBRE		0.0007 MT	0.004 MT
6) SLAG		0.073 MT	0.083 MT

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise 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)

C-1, WATER POLLUTION

(1) Pollutants	Quantity of pollutants discharged (Kg/day)	Concentrations of pollutants in discharges (mg/lit)	Percentage of variation from prescribed standards with reasons
- NOT APPLICABLE -			

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C-2, AIR POLLUTION					
(1) Stack Attached to	Quantity of pollutants discharged (Kg/day)	Concentrations of pollutants in discharges (mg/m3)			Percentage of variation from prescribed standards with reasons
		SPM	SO ₂	NO _x	
1. Asbestos Dust Collector	0.068	1.56	<2.5	<5.0	- do -
2. Cement & Fly ash Dust Collector	1.304	19.59	<2.5	<5.0	- do -
3. DG Set 750 KVA	0.298	45.15	13.43	28.00	- do -
4. Pulverize Dust collector	0.089	1.44	<2.5	<5.0	- do-

Part D

Hazardous Wastes as specified under Hazardous Wastes (Management and Handling) Rules, 1989

Hazardous Waste	Total Quantity (kg.)	
	During the current financial year 2019-2020	During the current financial year 2020-2021
	285.12 MT	540.50 MT
1) Asbestos Broken Sheets	150 Litres	165 Litres
2) Used Oil	162 Kgs	174 Kgs
3) Asbestos containing Residue		

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Part E

SOLID WASTES

	Total Quantity in KGs	
	During the previous financial year 2019-20	During the current financial year 2020-21
(a) From process	530.28 MT	616.68 MT
(b) From pollution control facilities	NA	NA
(c) (1) Quantity recycled or re-utilized within the unit	530.28 MT	616.68 MT
(2) Sold	NA	NIL
(3) Disposed	NA	NIL

Part F

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

Description	Quantity (kg)	Constituent parameter with concentrations	Method of disposal
1) Asbestos Broken Sheets	80 MT/MONTH	15.2	Fully Recycled
2) Used Oil	300 Litres/Month	5.1	Recycled and to be disposed TNPCB Authorized vendor.
3) Asbestos containing Residue	20 Kg/Month	15.1	Fully Recycled

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Part G

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

Description	Expenditure in lacs	
	2019-2020	2020-2021
1) Water pollution	-	-
2) Air pollution	Rs.477560.00	Rs. 487286.00
3) Hazardous / Solid waste management	Rs 276425.00	Rs. 333823.00
4) Green belt development	Rs 346368.00	Rs. 751923.00
5) Others	Rs 186006	Rs. 81689.00

Part H

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

Description	Investment Projections	Estimated cost (lacs)	Year of Installation
1) Water pollution		-	-
2) Air pollution	DUST COLLECTOR, MOTOR SPARE	5.0	2021-22
3) Green belt development	ADDITIONAL PLANTATIONS	1.0	2021-22
4) Others			

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Part I

Any other particulars for improving the quality of the environment.

Green Belt Development.

We are developing 33% of the total land is converted as greenery with trees and Plantations.

Further 5-meter width of green belt is developing along with periphery of the plant.

STACK MONITORING REPORT 2020-2021													
	Cement			Fibre			DG Set			Pulverizer			
	SPM	SO2	Nox	SPM	SO2	Nox	SPM	SO2	Nox	SPM	SO2	Nox	
April													
May	16.5	<2.5	<5.0		1.7	<2.5		48.3	18.2	38.8	1.4	<2.5	<5.0
June	17.3	<2.5	<5.0		1.5	<2.5		44.9	18.6	39.2	1.6	<2.5	<5.0
July	18.3	<2.5	<5.0		1.4	<2.5		46.3	19.3	40.2	1.6	<2.5	<5.0
August	2.8	<2.5	<5.0		1.9	<2.5		41.3	11.2	19.4	1.4	<2.5	<5.0
September	21.6	<2.5	<5.0		1.6	<2.5		47.6	18.2	38.1	1.2	<2.5	<5.0
October	23.4	<2.5	<5.0		1.6	<2.5		42.1	8.9	19.5	1.4	<2.5	<5.0
November	22.6	<2.5	<5.0		1.4	<2.5		43.5	9.5	20.4	1.5	<2.5	<5.0
December	23.4	<2.5	<5.0		1.7	<2.5		44.5	9.3	19.3	1.6	<2.5	<5.0
January	21.9	<2.5	<5.0		1.4	<2.5		42.6	9.3	21.6	1.3	<2.5	<5.0
February	24.8	<2.5	<5.0		1.6	<2.5		48.3	12.4	25.1	1.5	<2.5	<5.0
March	22.9	<2.5	<5.0		1.4	<2.5		47.2	12.8	26.4	1.3	<2.5	<5.0
Averages	19.59				1.56			45.15	13.43	28.00	1.44		

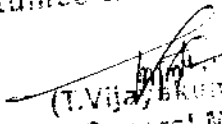
For Ramco Industries Limited

(H. Vijayakumar)

Asst. General Manager

HAZARDOUS WASTE DETAILS 2020-2021			
Month	Used Oil	Asbestos Containing residue	Asbestos Broken Sheets
April'20	0	0	0.0
May'20	0	15	55.2
June'20	0	18	77.2
July'20	0	14	71.8
August'20	0	18	37.5
September'20	0	17	52.3
October'20	0	18	62.6
November'20	0	14	31.3
December'20	165	12	36.0
January'21	0	15	27.0
February'21	0	17	47.0
March'21	0	16	42.6
Total	165	174	540.5

For Ramco Industries Limited


(T. Vija Kumar)
Asst. General Manager