[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending the 31st of March 2023
Period considered: Apr'22 – Mar'23

PART – A

(i) Name and address of the owner/occupier of the industry operation or process.

Occupier: Mr. R. Vivekanadah

Address: TATA Electronics Private limited,
SF NO – 308/1A, Thimjeppalli Village,
Kelamangalam – Rayakottai Road,
Krishnagiri District – 635119

(ii) Industry category Primary – Electronics Industry.

(iii) Production capacity. ----Units – **50000 Nos / Month**

(iv) Year of establishment – 2020

(v) Date of the last environmental statement submitted – 11th Oct - 2022

PART – B

Water and Raw Material Consumption

(1) Water consumption m3/d:

Details	Fresh Water consumption m3/ Day
Process	450
Cooling	250
Domestic	260
Total	**960**

Name of the Products	Process water consumption per unit of Product output	
1) Band Assembly	During previous financial year	Period Apr'22 – Mar'23
	NIL	16,16,392 Nos

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

ii) **Raw Material Consumption**

Name of Raw material	**Name of products**	**Consumption of raw material per unit of Output**	
		During Previous financial year	Period Apr'22 – Mar'23
Aluminium Extrusion	Metal case for Mobile phones	NIL	1322192 Nos / Month
White Alumina	Metal case for Mobile phones	NIL	1791 Kgs / Month
Nylon Grit	Metal case for Mobile phones	NIL	450 Kgs / Month
Zirconia	Metal case for Mobile phones	NIL	1925 Kgs / Month
Feeder parts	Metal case for Mobile phones	NIL	7421287 Nos / Month
Lime	Metal case for Mobile phones	NIL	500 kgs / Month
Alum	Metal case for Mobile phones	NIL	150 Kgs / Month
Nitric Acid	Metal case for Mobile phones	NIL	4300 liters / Month
Anionic Polymer	Metal case for Mobile phones	NIL	35 Kgs / Month
Orthophosphoric acid	Metal case for Mobile phones	NIL	2160 liters / Month
Oxalic Acid	Metal case for Mobile phones	NIL	450 Kgs / Month
Sodium Hydroxide	Metal case for Mobile phones	NIL	140 Kgs / Month
Hydrochloric Acid	Metal case for Mobile phones	NIL	3000 Kgs / Month
Sulfuric Acid	Metal case for Mobile phones	NIL	1700 liters / Month
TAC Sormal 121	Metal case for Mobile phones	NIL	970 Kgs / Month
Top AL clean162	Metal case for Mobile phones	NIL	1140 Kgs / Month
Top Seal DX-500	Metal case for Mobile phones	NIL	415 Kgs / Month
Sodium Hypochlorite	Metal case for Mobile phones	NIL	2000 Kgs / Month
Antiscalant	Metal case for Mobile phones	NIL	500 Kgs / Month

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries must name the raw materials used.

PART - C

Pollution discharged to environment/unit of output.

(Parameter as specified in the consent issued)

A) Water Analysis: Details of Water Analysis

1) Sewage outlet -1 (223 KLD) on land for Gardening

Pollutants Prescribed	Prescribed the Limits	Quantity of Pollution discharged (Kg/day)	Conc. of Pollution discharged	% of Variation from prescribed standards with
pH	5.5 – 9.0	-	7.2	Zero % Variation
BOD	30 mg/l	0.000446	2 mg/l	
COD	250 mg/l	0.006244	28 mg/l	
TDS	2100 mg/l	0.20516	920 mg/l	
TSS	100 mg/l	0.000446	2 mg/l	

2) Sewage Outlet – 2: Around 203 KLD is utilized for toilet Flushing (Unit Adopted Zero Liquid Discharge System).

3) Trade Effluent – 1: (216.65 KLD) (RO Permeate + Evaporator Condensate) - Unit Adopted Zero Liquid Discharge System (ZLD)

4) Trade Effluent – 2 (2.1 KLD) (Evaporator Concentrate) - Unit Adopted Zero Liquid Discharge System (ZLD)

B) Air : Details of Stack Emission from the plant

Pollutants Prescribed	Prescribed the Limits	Quantity of Pollution discharged (Kg/day)	Conc. of Pollution discharged	% of Variation from prescribed standards with
PM	75 mg/ m3	142.78	18.5 mg/ m3	Zero % Variation
NOX	710 ppm	1960.188	135 ppm	
SO2	Not Specified	46.30	6 mg/ m3	

PART – D
Hazardous Wastes

(As specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous Financial Year	**Period Apr'22 – Mar'23**
a) From Process	NIL	82.42 Metric Tons
b) From Pollution control Facilities	NIL	NIL

PART – E

Solid Wastes

Solid Waste	Total Quantity (Kg)	
	During Previous financial Year	**Period Apr'22 – Mar'23**
a) From process	NIL	NIL
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.

Waste Category No	Description of waste	Qty generated in the Period Apr'22 – Mar'23
5.1	Used or spent Oil	6.16
5.2	Wastes or Residues containing Oil	0.88
23.1	Wastes or residues (not made with vegetable or animal materials)	4.04
33.1	Empty barrels / containers / Liners contaminated with Hazardous chemicals / wastes	7.5
35.2	Chemical Sludge from wastewater treatment	63.84

Disposal Practice:

Waste category	Description of waste	Method of Disposal
5.1	Used or Spent Oil	M/s Atlas Corporation
5.2	Wastes or Residues containing Oil	M/s Arunachala Enterprises, Pudukottai
23.1	Wastes or residues (not made with vegetable or animal materials)	M/s Arunachala Enterprises, Pudukottai
33.1	Empty Barrels / containers/ Liners contaminated with Hazardous chemicals/ wastes	Disposal to M/s Reshma Enterprises, Hosur
35.2	Chemical sludge from wastewater treatment	M/s Arunachala Enterprises, Pudukottai

PART – G

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

PART – H

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

1.TEPL has installed 350 no's of water saving aerators for the Taps in all the buildings. These aerators are having lowest water footprint of about **3 LPM** & has resulted in saving of **50 KLD** of Fresh water.

2.TEPL has installed about **6.64 MW** Solar Roof panel in all the buildings. The overall power generation is around **30,000** Units daily, which is 10% of the Total Electricity.

3.TEPL has installed **4000 TR** Chiller plant by using **R 134 A Refrigerant**. This is a non-CFC's and Eco-friendly refrigerant having low Ozone depletion potential or Global warming potential.

4.TEPL is using **100 KLD** of Treated water for Cooling tower makeup.

5. 3150 Nos trees, 2.92 Acre lawn, 3.8 Acre shrubs & Groundcovers has been developed in TEPL.

PART – I

Any other particulars for improving the quality of the environment.

Date: 09th Aug'23
Place: Hosur

RAGUNATHAN M
Head: Projects & Facilities