ENVIRONMENT STATEMENT FORM- V

FORM V

ENVIRONMENTAL STATEMENT REPORT FOR THE FINANCIAL YEAR ENDING 31ST MARCH 2023

PART – A

1.	Name and address of			
	i)	Industry	:	SRICHAKRA POLYPLAST INDIA PVT. LTD. Survey No: 355/A2,C,E, Indrakaran Village, Kandi Mandal, Sangareddy Dt. Telangana, India – 502329.
	ii)	Owner	:	Mr. P.V Ravindra Managing Director
2.	Industry category Primary-(STC Code) Secondary-(STC Code).		:	NA
3.	Production Capacity		:	Washing Line : 720 T/M Pet Extrusion: 1000 T/M Polyolefin Extrusion: 1000 T/M
4.	Year of establishment		:	2021
5.	Date of Last Environmental Audit Submitted		:	NA

PART - B

I) PRODUCTION DETAILS

Product	**Production (MT/annum)**
	2022-2023
RPET Flakes	231
RPET Granules	9118
PP/HDPE/LDPE Granules	659
By-Product PP/PE Flakes	148

T.S. Pollution Control Board
Regional Office-I
29 SEP 2023
SANGAREDDY TOWN & DIST.

SRICHAKRA POLYPLAST (I) PVT. LTD. Hyderabad

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WATER CONSUMPTION

Description	As per CFO	Water Consumption (KLD) During 2022-2023
Process	5 KLD	0.33 KLD
Washings (Reprocessed water)	30 KLD	16.35 KLD
Domestic	5 KLD	3.04 KLD
Greenbelt	5 KLD	3.56 KLD
Total	45.0 KLD	23.28 KLD

PART – C

POLLUTION SOURCE & CONTROL

The major sources of air pollutants are Stack emission and stack attached to 2- TPH Boiler, Dg Set 250 KVA and Production Units .The monitoring details are given below.

Table No. 1 Stack Emission 2-TPH-Boiler & Dg set 250 KVA

Date: 10thApril, 2023

Sl.No.	Parameter	Units	Method	Results		Standards
				2-TPH Boiler	Dg Set 250 KVA	
1	Stack Height	M	-	70	30	-
2	Diameter of Stack	M	IS: 11255 (Part-III)	0.47	0.10	-
3	Ambient Temperature	°C	IS: 11255 (Part-III)	33	30	-
4	Flue gas Temperature	°C	IS: 11255 (Part-III)	148	122	-
5	Velocity	m/sec	IS: 11255 (Part-III)	13.1	13.6	-
6	Flow rate	Nm^3/h	IS: 11255 (Part-III)	5773.5	290.0	-
7	PM	mg/Nm^3	IS: 11255 (Part-I)	66.4	50.8	115
8	Sulphur Di Oxide	mg/Nm^3	IS: 11255 (Part-II)	89.7	62.5	-
9	Oxides of Nitrogen	mg/Nm^3	IS: 11255 (Part-VII)	126.2	85.4	-

Table No. 2 Ambient Air Quality-Washing Line (Shed-1);Dynamic Line(Shed-2);SSP Line (Shed-3)

Date: 10thApril, 2023

Location	Date of Monitoring	Concentration ($\mu g/m^3$)				CO mg/m^3
		PM_{10}	$PM_{2.5}$	SO_2	NO_2	
Near Main Gate	10thApril, 2023	61.8	22.4	17.3	20.8	0.2
Near ETP Yard	10thApril, 2023	58.4	21.0	18.8	23.9	0.4
Washing Line (Shed-1)	10thApril, 2023	60.5	21.9	18.3	23.5	0.5
Dynamic Line (Shed-2)	10thApril, 2023	57.6	20.6	17.7	21.2	0.2
SSP Line (Shed-3)	10thApril, 2023	55.4	19.7	16.1	20.7	0.2

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Table No. 3 Water Quality Data (Bore Water)
Date: 10thApril, 2023

Parameters	Units	Result Before monsoon - 10th April 2023	Result (After monsoon 22nd Nov 2022
Color	CU	<5.0	
Turbidity	NTU	<1.0	
pH @25.0°C	-	7.42	7.33
Electrical Conductivity	µMhos/cm	1250.0	508.6
Total Dissolved Solids	mg/L	784.0	305
Total Solids	mg/L	790.0	--
Alkanlinity as $CacO_3$	mg/L	335.0	240
Hardness as $CaCO_3$	mg/L	415.0	273.2
Calicum as Ca	mg/L	85.31	58.7
Magnesium as Mg	mg/L	49.31	30.7
Chlorides as Cl	mg/L	135.50	54.0
Sulphates as SO_4	mg/L	65.03	34.542
Nitrate as NO_3	mg/L	3.26	3.19
Sodium as Na	mg/L	94.0	--
Potassium as K	mg/L	6.5	--
Fluoride as F	mg/L	< 0.2	0.394
Iron as Fe	mg/L	< 0.3	0.063
Zinc as Zn	mg/L	< 0.2	--
Phenolic Compounds as C_6H_5OH	mg/L	< 0.1	--
Lead as Pb	mg/L	< 0.5	--
Manganese as Mn	mg/L	< 0.5	--
Cadmium as Cd	mg/L	< 0.1	--
Chromium as Cr^{+6}	mg/L	< 0.05	--
Copper as Cu	mg/L	< 0.2	--
Total Coliform	MPN/100 ml	Absent	--
E-Coli	MPN/100 ml	Absent	--
Reactive Silica	mg/L	--	19.797
Phosphorous	mg/L	--	0.1

Table No. 4 ETP INLET
Date: 10thApril, 2023

Parameters	Units	Method	Result
pH @ 25.0°C	-	APHA 4500H^+ B	7.54
Total Dissolved Solids	mg/L	APHA 2540 C	4850.0
Total Suspended Solids	mg/L	APHA 2540 D	442.0
Ammonical Nitrogen as N	mg/L	APHA 4500 NH_3 B,C	44.57
Biochemical Oxygen Demand (3 Days at 27°C)	mg/L	IS : 3025 (P- 44)	1350.0
Chemical Oxygen Demand	mg/L	APHA 5220 B	4536.6
Oil & Grease	mg/L	APHA 5520 B	18.0

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Table No. 5 ETP OUTLET
Date: 10thApril, 2023

Parameters	Units	Method	Result
pH @ 25.0^{0}C	-	APHA 4500H+ B	7.25
Total Dissolved Solids	mg/L	APHA 2540 C	400
Total Suspended Solids	mg/L	APHA 2540 D	<10
Ammonical Nitrogen as N	mg/L	APHA 4500 NH3 B,C	9.75
Biochemical Oxygen Demand (3 Days at 27^{0}C)	mg/L	APHA 5220 B	10.0
Chemical Oxygen Demand	mg/L	IS:3025 (P-44)	32.12
Oil & Grease	mg/L	APHA 5520 B	4.0

Table No. 6 Ambient Noise Quality
Date: 10thApril, 2023

Parameters	Day Time Noise levels dB(A)	Nighttime Noise levels dB(A)
Near Main Gate	65.9	58.3
Near ETP Yard	76.5	68.5
Near Washing Line (SHED-1)	87.1	77.2
Near Dynamic Line (SHED-2)	72.5	67.1
Near SSP Line (SHED-3)	65.3	60.2

PART – D
HAZARDOUS WASTE
(As specified under Hazardous wastes/Management and handling) rules, 1989

Hazardous Wastes	Total Quantity (Kg) During the Financial year 2022-2023
(a) Waste Oil from DG Set/Forklifts etc.	60 L
(b) Industrial operations using mineral / Synthetic oil As lubricant in hydraulic system	32 L
(c) Waste labels	344060 Kg
(d) ETP Sludge from Pre-treatment facility	292960 Kg

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PART – E
SOLID WASTE

	Total Quantity (Tons/ day) During the previousfinancial year 2022-2023
(a) Waste Labels	344060 Kg
(b) ETP Sludge from Pre-treatment facility	292960 Kg

PART – F

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

All hazardous waste mentioned in Part D and E are send to the PCB guided vendors like M/s PETL, Patancheru, Ggreen Gene Enviro Protection & Infrastructure Pvt. Ltd , Waste Venture with valid agreement with them.

PART-G

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

Rain Harvesting pits (02 No's) is available to collect the rain water from entire plant. Over flow of this water is being used as feed water, dust suppression and gardening for our plant requirements. Due to which intake water form mission Bhagiratha & Bore waters and their usage is reduced and running hours also is reduced.

Instead of diesel forklifts, we are using battery forklifts for less environmental pollution.

Using both sides, print on paper, reuse paper, and record in softcopies (wherever possible) to save natural resources.

PART-H

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

MISCELLANEOUS:

The presence of the green belt in the Plant and also in the surroundings is helping as control of pollutants and improved the quality of Ambient Air.

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Details of Plantations:

Total area covered : 3000 Sq.ft (appox.)
No. of plants planted : 2060 Nos.
Total amount spent (towards the Cost of plants)
: Rs.87,750/- per year for maintaining clean Environment& Green belt purpose.

A waste decomposer machine installed in canteen for waste food waste decompose to useful manure.

- **Accident Details**

No accidents occurred during the reporting period. All the minor accidents are attended by the first-aid at the site only. There is no fatal accident during the financial year 2022-2023

PART-I

Any other particulars for improving the quality of the environment.

Our main Environment objective is to Zero discharge of Effluents, reduction in consumption of paper. Water is being as per PCB guidelines. Energy saving by spreading awareness among the team. Taking preventative measures on leakage and spillage.

Attachments:

1. Ambient Air Quality Monitoring – Near Main Gate and ETP Yard
2. Ambient Air Quality Monitoring – Near Washing Line (Shed-1), Near Dynamic Line (Shed-2), Near SSP Line (Shed-3)
3. ETP Inlet Test Report
4. ETP Outlet Test Report
5. Illumination Monitoring Day Time- Washing Line (Shed-1), Dynamic Line (Shed-2), SSP Line (Shed-3)
6. Illumination Monitoring Nighttime- Washing Line (Shed-1), Dynamic Line (Shed-2), SSP Line (Shed-3)
7. Ambient Noise Monitoring – Near Main Gate, ETP Yard, Near Washing Line (Shed-1), Near Dynamic Line (Shed-2), Near SSP Line (Shed-3)
8. Stack Monitoring – DG and Boiler
9. Water Quality Monitoring – Bore Water
10. Annual returns for FY2022-23 are submitted to the EPR Plastic Portal of CPCB (Annexure 1 attached)

SRICHAKRA POLYPLAST (I) PVT. LTD. Hyderabad