

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

FORM-V

ENVIRONMENTAL STATEMENT FOR FINANCIAL YEAR 2023-24 (01.04.2023 to 31.03.2024)



Submitted to : **Regional Officer,
Haryana State Pollution Control Board,
Regional Office, Sector-25, Panchkula**

Submitted by : **"Ess Kay Hygienic Services"
at
Village Bagwala, Tehsil Barwala, District
Panchkula, Haryana**

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March, 2024

PART A

- 1 Name and address of the owner/ occupier of the industry operation or process : Sh. Sahil Nain
M/s Esskay Hygienic Services, Village & Post Office Bagwala, Tehsil Barwala, Distt. Panchkula (Haryana)
- 2 Industry category Primary (SIC Code) Secondary (SIC Code) : Red Category
- 3 Production capacity :
Incinerator : 150 Kgs/hr
Autoclave : 25 Kgs/hr
Shredder : 25 Kgs/hr
ETP : 4000 Ltrs/hr
DG set : 40 KVA
- 4 Year of establishment : 2007
- 5 Date of the last environmental statement submitted : 02.05.2023 through speed post

CBWTF has valid consent and Authorization under relevant Acts/Rules.

PART B

Water and Raw Material Consumption:

Water Consumption (m³/day): **02 m3/day**

Table 1

Sr.No	Utilization	Requirement m3/d
1	Floor Washing (Reuse after Treatment)	0.5
2	Vehicle washing (Reuse after Treatment)	0.5
2	Domestic use	0.7
3	Venturi Scrubber	0.8

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

Name of Products	Process Water Consumption per unit of production output
	During Financial Year (2023-24)
Treatment of Bio Medical Waste	As mentioned in Table 1 above

Raw Material Consumption:

Name of Raw Materials	Name of Products	Consumption of Raw material in Kgs	
		During Financial Year (2022-23)	During Financial Year (2023-24)
Bio Medical Waste	Nil	667841.9	780286

PART – C

POLLUTION DISCHARGED TO ENVIRONMENT PER UNIT OF OUTPUT

(Parameter as specified in the Consent issued)

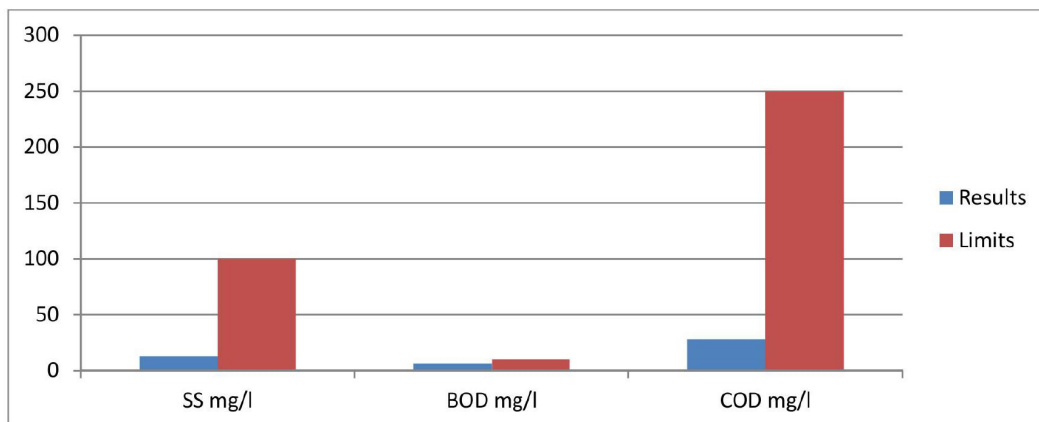
(A) Water Pollution Load:

S. No.	Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (mg/l)	% of variations from prescribed standards with reasons
(1)	Suspended Solids	0.023	13.0	No deviation from prescribed standards
(2)	BOD3 at 27°C	0.011	6.5	
(3)	COD	0.050	28.0	
(4)	Oil & Grease	--	ND	

Note:

- (i) Calculations based on total discharge of 1.8 KLD of trade effluent & characteristics of treated sewage.
- (ii) Source of data: Test Report No. 1251 dated 28.04.2023 issued by Haryana State Pollution Control Board, C-11, Sector-6, Panchkula (Haryana).
- (iii) No Discharge of trade effluent and reused in various industrial usages.

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula



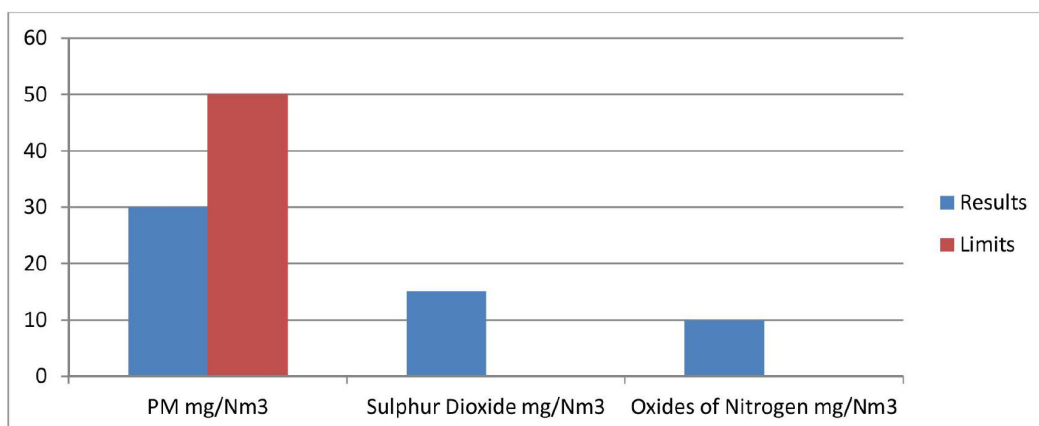
(B) Air Pollution Load:

Stack emission

S.No.	Air Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (mg/Nm ³)	% of variations from prescribed standards with reasons
(1)	PM	0.071	30	No deviation from prescribed standards
(2)	Sulphur Dioxide	0.035	15.1	
(3)	Oxides of Nitrogen	0.023	10	

Note:

- (i) Source of data: Test Report No. 483 dated 25.04.2023 issued by Haryana State Pollution Control Board, C-11, Sector-6, Panchkula (Haryana).



Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

PART – D

HAZARDOUS WASTES:

(As specified under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and subsequent amendments)

Hazardous Wastes	Total Quantity (kgs)
	During Financial Year (2023-24)
From Process (Incineration Ash)	21005
From Pollution Control Facility	
1. ETP Sludge.	1. 1835
2. Scrubber residue.	2. 0
3. Used Oil from DG set.	3. 30 litres

PART - E

SOLID WASTES

Major portion of the solid waste is incineration ash and is disposed off to TSDF at Palli, Faridabad. Quantity is given in part D above.

PART – F

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

- 1. Waste Oil (Category No. 5.1):** Source of used oil is from maintenance of DG sets and is used as lubricant in machinery installed in CBWTF.

(a) Disposal Practice:

The used oil generated was stored in leak proof containers and stocked in safe storage area within the CBWTF premises. Later on it has been used as lubricant in machineries installed in CBWTF.

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

2. Hazardous Wastes from Process, Pollution Control Devices:

i) Quantity:

The total quantity of solid hazardous waste generated (during 2023-24) from process i.e. incineration ash was about 21.005 Ton.

ii) Disposal Practice:

The hazardous wastes are stored in an intermediate, leachate proof storage room of adequate capacity, situated inside the factory premises. Hazardous waste was disposed off by availing TSDF services being offered by M/s Gujarat Enviro protection & Infrastructure (Haryana) Pvt. Ltd.

Solid Wastes:

Major portion of the solid waste is incineration ash and is disposed off to TSDF at Palli, Faridabad.

PART - G

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

a) Air Pollution Control Devices:

State-of-the-art air pollution control devices have been provided in the incinerating plant. The CBWTF has installed PM Collector, Quencher and Venturi Scrubber with droplet Separator, ID fan attached with stack of 30 meters height which are being used for maintaining air emission level within prescribed standards. The CBWTF has incurred expenditure in the operation and maintenance of pollution control devices.

b) Installation of Real Time Online Emission Monitoring System:

The CBWTF has installed OCEMS for providing real time data of various parameters prescribed by CPCB/HSPCB and is connected to server of CPCB/HSPCB.

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

c) Water Pollution Control Devices:

A sophisticated Effluent Treatment has been installed and operated regularly to control water pollution originating from Venturi Scrubber, Vehicles washing and floor washing. The water consumption in the plant has been reduced in view of recirculation and reuse after treatment. The CBWTF has incurred expenditure in the operation and maintenance of pollution control devices.

d) Greenbelt:

The CBWTF has planted varieties of plants in the CBWTF premises and surrounding area for green belt development.

PART - H

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

The CBWTF had adopted following measures for environmental protection including abatement of pollution:

1. Properly operation of plant.
2. Care of Hygiene and housekeeping in CBWTF.
3. Reuse of treated water of ETP in Venturi Scrubber.
4. Proper preventive equipments provided to workers.
5. Awareness of nearby public and representatives of Health Care Facilities regarding proper disposal of Bio-Medical Waste.

PART - I

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

1. Silent DG set had been installed to curb noise pollution
2. HSD meeting Euro III standards are used as fuel to run DG set. This fuel is of high quality and low in sulfur contents (less than 0.035%).
3. Awareness programs have been conducted to sensitize stake holders.

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

Annexure-I

**Analysis report dated 28.04.2023 of Trade Effluent after treatment
in Effluent Treatment Plant.**

Form J
(See Rule 36)

Report No-1251 Type of Sample: Legal Dated: 28.04.2023

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 19th day of April, 2023, collected Sh. Sudhir Mohan, AEE dated 19th day of April, 2023 of M/s ESS Kay Hygienic Services, VPO-Bagwala, Panchkula for analysis.

Further certify that I have analyzed the above mentioned sample on 19-April-2023 to 28-April-2023 and declare the result of analysis to be as follows:

Sr. No.	Parameter Name	Result	Result	Limit	Test Method
1.	Sample Code	1811	1812		
2.	Sample Collected from	Inlet	Outlet		
3.	Color	Dark Brownish	A.Colourless		
4.	Odour	Foul	Odourless		
5.	pH value	6.90	7.92	6.5-9.0	APHA,4500H+B(23rd)
6.	BOD (mg/l)	140.0	6.5	30	IS:3025(Part-44)
7.	COD (mg/l)	504.0	28.0	250	APHA,5220-B(23rd)
8.	Total Suspended Solids mg/l	285.0	13.0	100	APHA,2540-D(23rd)
9.	Oil and Grease (mg/l)	13.5	BDL(DL=2)	10	APHA,5520-B(23rd)
10.	Conductivity (u S/cm)	3240.0	503.0	-	IS:3025(Part-14):2013

The Conditions of the seals, listening and container on receipt was as follows:
Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.
Signed this 28th day of April, 2023
Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana

Neeraj Bala
Board Analyst

To
The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Panchkula. This test report relate only to the particular sample submitted for testing.

Environmental Statement (Form-V) F.Y. 2023-24
M/s Ess kay Hygienic Services, V & PO Bagwala, Tehsil Barwala District Panchkula

Annexure-II

Analysis report dated 25.04.2023 of air emissions of stack attached to Incinerator.

**Form IV**
(See Rule 20)

Report No- 483 Dated: 25.04.2023

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (2) of section 29 of the Air (Prevention and Control of Pollution) Act 1981 received a sample on the 19th day April of, 2023, collected by Sh. Sudhir Mohan, AEE on dated 19th day April of, 2023, of M/s Ess Kay Hygienic Services, VPO-Bagwala, Panchkula for analysis.

Further certify that I have analyzed the above mentioned sample on 19th day April of, 2023, to 25th April-2023 and declare the result of analysis to be as follows:-

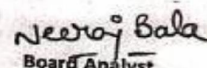
Sr.	Parameter Name	Result	Result	Limit
1.	Sample Code	483		
2.	Name of Plant/ Section #	Incinerator		
3.	Stack Attached to #	Incinerator		
4.	Normal Operating Schedule (hr/day)#	4-8 hrs		
5.	Type of Chimney #	Metal		
6.	Stack Height from Ground Level #	33 m		
7.	Diameter of the Stack #	121 inch		
8.	Stack Temperature (C) #	110		
9.	Average stack velocity (m/sec) #	5.3		
10.	Quantity of Emission (m/sec)	0.37		
11.	Type of Fuel #	HSD		
12.	Suspended particulate matter (with correction factor CO ₂) mg/m ³	30.0		50
13.	Sulphur dioxide (mg/m ³)	15.1		-
14.	Nitrogen Oxide (mg/m ³)	10.0		-
15.	Carbon Dioxide %	5.2		

Method of Testing As per relevant part of Indian Standard Methods for Measurement of Air Pollution IS:11255 (P-1) Stack/IS:5182(P-4) Ambient and Emission regulation part III of Central Pollution Control Board.

The Conditions of the seals, listening and container on receipt was as follows:
Container had its seal found intact and In order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 25.04.2023
Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana

To
The Member Secretary, HSPCB, Panchkula


Board Analyst

Regional Office: Panchkula. This test report relate only to the particular sample submitted for testing.

This information is provided by the field officer.