

SIL: SP: WORKS: CMD: 2023-24 / 70

Date: 19th Aug-2024

The Environmental Engineer
Punjab Pollution control Board Regional office
Industrial Focal point
Sunam Road
Sangrur -148001

Sub: Environment Audit Report

Dear Sir,


We are enclosing herewith Environmental Audit Report, for the financial year ending on 31st March, 2024.

You are requested to acknowledge the receipt.

Thanking you.

Yours faithfully,

FOR SHREYANS INDUSTRIES LTD


[RAJNEESH OSWAL]
CHAIRMAN & MANAGING DIRECTOR

Copy to: The Environmental Engineer
Punjab Pollution control Board
Nabha road,
Patiala-147004

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Form -V**Environmental statement for the financial year ending 31st March, 2024****Part-A**

1. Name and address of the owner/occupier of the Industry, operation or process
Mr. Rajneesh Oswal, Chairman & Managing Director
Shreyans Industries Ltd. Ahmedgarh
2. Industry category(Primary(STC code)
secondary SIC code
3. Production capacity
54,000 MT per annum
4. Year of establishment
1982
5. Date of the last environmental statement submitted
29/08/2023

Part-B**Water and raw material consumption****1) Water consumption**

S.No.	category of Water		KL/annum (April,2023- March,24)	KL/annum (April,2023- March,24)
1	Process Water	Borewell water	2327680	2489544
2		Canal Water	161864	
3	Domestic Water	Domestic Water	86785	86785

Name of product	Water consumption per unit of product(during 2023-24)
Writing and printing papers	48.93 M ³

Raw material consumption

S.No.	Name of raw material	Name of product	Consumption of raw material per unit of output during(2023-24)
1.	Wheat straw	Writing and printing papers	1.703
2	Bagasse		-
3.	Wood pulp		0.088
4.	Imported waste paper		-

**-2-
Part-C**

Pollution discharged to environment/Unit of output

Sr.No.	Pollutants	Qty.of pollutants discharged	Concentration of pollutants in discharge	Percentage of variation from prescribed stand. with reasons.
a. Water	Effluent volume	5853 M3/day		
	TSS	194.6 kg/day	33.25 ppm	-33.5
	BOD	117.6 kg/day	20.1 ppm	-33.1
	COD	1310.6 kg/day	223.9 ppm	-36.0
b. Air				
Soda recovery	SPM	18.3 kg/day	74 mg/Nm3	-50.67
Boiler no.5	SPM	159.3 kg/day	70.5 mg/Nm3	-53
Boiler no.4	SPM	56.8 kg/dsy	71.5 mg/Nm3	-52.3

**Part-D
Hazardous waste**

Hazardous Waste/ water		Total Quantity. during the year 2023-24
1	From process (Hypo sludge)	3.450 MT (O.D)
2	From pollution control facilities (ETP)	2199.300 MT (as such)
3	Used Oil	190 Ltr.'

**Part-E
Solid wastes**

Sr.No.		Total Quantity during the year 2022-23
1.	Effluent plant sludge as such	2199.300 MT
2.	Ash from rice husk fired boilers(O.D)	14923.8 MT

Part-F

S.No.	Physical state	Composition	Qty produced during the year 202.-24	Disposal practice
1.	Boiler ash, solids(O.D)	Mainly silica	14923.8 MT	For land filling
2.	Effluent plant sludge	Fine fibers ,Talc. Etc	2199.3 MT	Sold to board mills for board mfg.
3.	Hypo sludge	Mostly CaCo3	3.450 MT	Stored after drying in a room specially made for the purpose as per the direction of PPCB. Disposed off through Punjab Waste Management Project.
4.	Used Oil	Oil	190 Ltr	Sent to authorized Oil recycler.

(3)

Part-G

Pollution control costs about Rs.1481 per tone of finished paper 2023-24.

Part-H

M/s Shreyans papers does not allow black liquor to be mixed with waste water. The entire quantity of weak black liquor is processed through non-conventional Fluidized Bed Reactor to produce Sodium Carbonate pellets and convert Organic matters in to Carbon dioxide and water.

Black liquor generated

(2023-24)
518849 MP

Soda Ash produced

(2023-24)
18371 MT

Part-I

Pollution abatement measures taken for protection & improvement of quality of environment.

1. Four rain water harvesting pits are running to handle rain water in Mills & colony area.
2. Flow Meter to measure treated effluent is running all the time in Effluent treatment plant.
3. Used oil disposed thru M/s Puneet Refinery, Sangrur (An agency approved by Punjab Pollution Control Board) on dated 23rd June 2023.
4. Hypo sludge disposed thru M/s Resustainability Limited, Village Nimbua , Mohali (An agency approved by Punjab Pollution Control Board) on dated 20th Jan-2024.
5. CSR Activities are regular feature to educate people, computer awareness, distribution of 40000 copies to nearby school, Free education to girls children , stitching education to girls of nearby villages to earn livelihood , Helping the poor girls to get married , Health check up camp, Bajrang Akhara ,eye hospital for local vicinity , Ahmed garh etc.
6. Oxygen delignification in unbleached section and addition of Oxygen and Hydrogen peroxide in alkali extraction stage is being practiced successfully to reduce pollution load specially AOX level.
7. Anaerobic Treatment plant for treatment of raw material wet wash liquor is running successfully.

8. Treated effluent is being discharged through Pacca drain for Plantation in 134 Acre area & Part of treated effluent can be discharged into Tallewal drain during no demand period as per directions of Punjab State Pollution Control Board.
9. Jet Aerators in addition to diffusers are running successfully in Aeration tank.
10. Treated effluent is being used for irrigation.
11. CCTV at ETP and Boiler stack are running all the time.
12. On-line monitoring system installed at ETP final discharge for continuous monitoring of various parameters including SPM is in continuous operation.
13. State of art high efficiency washers is provided with counter current washing arrangement in Pulp mill to achieve less water consumption and improve quality of pulp.
14. Telemetry system is running successfully for all Tubewells & domestic water installed by M/s NT Bloom Field, Delhi as per guidelines of PWRDA in May-2023 And also one piezometer along with Telemetry system to measure water level in the mills is running.
15. Canal water is being used along with ground water from December, 2023 thus conserving natural resources.
16. 40 M3 /day fresh water replaced with pulp mill reject water for conditioning of ash in ash handling plant thus saving fresh water on sustainable basis.
17. Cooling tower make up water partially replaced with Cation water to save approx 50-60 M3/hr.
18. Cooling tower blow down, feed pumps bearing cooling water & boiler IBD & CBD water being utilized in Pulp Mill through chemical recovery water pit.
19. Fresh water replaced with back water at Multi stage bleach Plant washer Vat Floor in Pulp Mill.
20. Fresh water @250-300 M3/day saved by installing new shower system from M/s Sidhu.
21. M/s Kadant steam condensate system installed to improve the condensate recovery from 87 % to 95 % in June, 2024 thus replacing the inefficient system as part process improvement @ Rs 3 Crore.
22. Hood & ventilation system installed By M/s Brunn Schweiler to improve the quality of paper @ Rs 5 Crore.