

SIL: SP: WORKS: ED & CEO: 2021-22/ 864

28th June, 2021

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

Sub: **Environmental Audit Report**

Dear Sir,

We are enclosing herewith Environmental Audit Report, on prescribed Performa, in respect of our mills for the financial year ending on 31st March, 2021.

You are requested to acknowledge the receipt.

Thanking you,

Yours faithfully,
FOR SHREYANS INDUSTRIES LTD
(Unit:-Shreyans Papers)

[Anil Kumar]
Executive Director & CEO



Copy to: **The Environmental Engineer**
Punjab Pollution control Board
Nabha road,
Patiala-147 004

Encl: a/a

I JForm –V
Environmental statement for the financial year ending 31st March, 2021

Part-A

- | | | |
|----|--|--|
| 1. | Name and address of the owner/occupier of the Industry, operation or process | Mr.Anil Kumar, Executive Director & CEO 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 | 14/08/2020 |

Part-B

Water and raw material consumption

- | | | |
|----|--------------------------|-----------------|
| 1) | <u>Water consumption</u> | <u>KL/annum</u> |
| | I) process water | 2110554 |
| | ii).Cooling/Boiler | 244020 |
| | iii) Domestic | 35463 |

| Name of product | Water consumption per unit of product(during 2020-21) |
|-----------------------------|---|
| Writing and printing papers | 56 M ³ |

Raw material consumption

| S.No. | Name of raw material | Name of product | Consumption of raw material per unit of output during(2020-21) |
|-------|----------------------|-----------------------------|---|
| 1. | Wheat straw | Writing and printing papers | 1.711 |
| 2 | Bagasse | | 0.04 |
| 3. | Wood pulp | | 0.073 |
| 4. | Imported waste paper | | 0.0003 |

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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 | 6027 M3/day | | |
| | TSS | 210.9 kg/day | 35.0 ppm | -30.0 |
| | BOD | 102.5 kg/day | 17.0 ppm | -43.3 |
| | COD | 1307.9kg/day | 217.0 ppm | -38.0 |
| b.Air | | | | |
| Soda recovery | SPM | 17.06 kg/day | 74.0 mg/Nm ³ | -50.7 |
| Boiler no.5 | SPM | 147.7kg/day | 64.0 mg/Nm ³ | -57.3 |

Part-D
Hazardous waste

| Hazardous Waste/ water | | Total Quantity. during the year 2020-21 |
|------------------------|---|---|
| 1 | From process (Hypo sludge) | 2.996 MT (O.D) |
| 2 | From pollution control facilities (ETP) | 5295 MT (as such) |
| 3 | Used Oil | 210 Ltr. |

Part-E
Solid wastes

| Sr.No. | | Total Quantity during the year 2020-21 |
|--------|---------------------------------------|--|
| 1. | Effluent plant sludge as such | 5295 MT |
| 2. | Ash from rice husk fired boilers(O.D) | 12313MT |

Part-F

| S.No. | Physical state | Composition | Qty produced during the year 2020-21 | Disposal practice |
|-------|-------------------------|--------------------------|--------------------------------------|--|
| 1. | Boiler ash, solids(O.D) | Mainly silica | 12313 MT | For land filling |
| 2. | Effluent plant sludge | Fine fibers ,Talc. Etc | 5295 MT | Sold to board mills for board mfg. |
| 3. | Hypo sludge | Mostly CaCo ₃ | 2.996 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 | 210 Ltr | Sent to authorized Oil recycler. |

Part-G

Pollution control costs about Rs.1025 per tone of finished paper.

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

(2020--21)
457870 M³

Soda Ash produced

(2020-21)
15756.4 MT

Part-I

1. 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.
2. Anaerobic Treatment plant for treatment of raw material wet wash liquor is running successfully.
3. Air diffusers installed –in AT1 and AT-2 are running successfully.
4. Treated effluent is being used for irrigation.
5. CCTV is installed at ETP and Boiler stack.
6. On-line monitoring system installed at ETP final discharge for continuous monitoring of various parameters including SPM is in continuous operation.
7. State of art high efficiency washers are provided with counter current washing arrangement in Pulp mill to achieve less water consumption and improve quality of pulp.