BINDALS
A SPECTRUM OF EXCELLENCE

BINDALS PAPERS MILLS LIMITED

Paper Unit & Head Office: 8th Km, Bhopa Road, Muzaffarnagar-251 001 (U.P.), INDIA
Sugar & Distillery Unit: Vill, Changipur, Tehsil Chandpur, Distt. Bijnor-246734 (U.P.)
Regd. Office: NP-151 B, Maurya Enclave, Pitampura, Delhi - 110 088, INDIA

CIN: U21011DL2006PLC148926 | **GSTIN :** 09AADCB0282B1Z6

Ref: Bindal/SD/EHS/2024-25/15

Date: 29.09.2025

To,
The Chief Environmental Officer (Circle-7)
Utter Pradesh Pollution Control Board
TC-12V, Vibhuti Khand, Gomti Nagar
Lucknow-226010

Sub: Environmental Statement of BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION) Village - Changipur, Block - Noorpur, Tehsil - Chandpur, Distt – Bijnor, Uttar Pradesh-246734

Dear Sir,

Please find attached herewith environmental statement of BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION) Village - Changipur, Block - Noorpur, Tehsil - Chandpur, Distt – Bijnor, Uttar Pradesh for the financial year ending on 31st March, 2025.

Thanking You,

Yours faithfully
For BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION)
Village - Changipur Distt – Bijnor, Uttar Pradesh

(Authorized Signatory)

C.C. : Regional officer, U.P. Pollution Control Board, Bijnor
Encl. : As Above

ENVIRONMENTAL STATEMENT

OF

BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION)
VILLAGE – CHANGIPUR, DISTRICT– BIJNOR (U.P.)

(SUGAR UNIT)

FINANCIAL YEAR ENDING THE 31ST MARCH, 2025

PREPARED BY:

BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION)
VILLAGE – CHANGIPUR, DISTRICT– BIJNOR (U.P.

(FORM – V)
(See Rule 14)

Environmental Statement Report for the Financial Year ending the 31st March, 2024.

PART – A

(i)	Name and address of the Owner/occupier of the Industry operation or process	BINDALS PAPERS MILLS LIMITED **(SUGAR & DISTILLERY UNIT)** Village - Changipur, Block - Noorpur, Tehsil - Chandpur, Distt – Bijnor, Uttar Pradesh
(ii)	Production Capacity	SUGAR UNIT -10000 TCD
(iii)	Year of Establishment	2023
(iv)	Date of Last environmental statement submitted	30.09.2024
(v)	Industry category Primary : (STC Code) Secondary : (SIC Code)	Secondary

PART – B

Water and Raw Material Consumption 2024-25

(I) TOTAL WATER CONSUMPTION : 261 M^3/Day

a) Process : 236
b) Cooling : 00
c) Domestic : 25

Name of Products	**Process water consumption per unit of output**	
	During the Previous Financial Year (2023-24)	During the current Financial Year (2024-25)
Plantation white Sugar	***0.620***	***0.437***

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Chandpur (U.P.)

(II) Raw Material Consumption

RAW MATERIAL CONSUMED AND PRODUCT AT A GLANCE

Crushing season (2024-25)

Particulars	2024-25	2023-24
Date of start of plant	04 November 2024	04 November 2023
Date of Finish	15 March 2025	21 March 2024
Gross season days	132	139
Duration of season days	131.15	118.39
Total Cane crushed (T)	800864.311	558958.226
Total sugar made (T)	78727	57530
Total Molasses made (T)	40720	33873.29
Total Bagasse produced (T)	215284.80	150806.929
Total Filter cake produced (T)	31028.68	20457.871
Lime Consumed (T)	1449.0	1067.61
Sulphur consumed (T)	455.30	370.43
Oil & Grease consumed (T)	7.27	229.17
Caustic soda consumed (T)	11.13	1419.75
Washing soda consumed (T)	1.0	55.90
Total Raw Sugar Melt (T)	NA	NA

S. N.	Name of Raw Material	Name of Products	Consumption of Raw Material per unit of Product	
			During the previous Financial Year 2023 – 2024	During the Current Financial Year 2024 – 2025
1	Sugar Cane	Sugar	9.72	10.17
2.	Lime	Sugar	0.0186	0.01840
3.	Sulphar	Sugar	0.0053	0.005783
4.	Caustic Soda	Sugar	0.0247	0.000141
5.	Washing Soda	Sugar	0.0010	0.00001270
6.	Phosphoric Acid	Sugar	0.0041	0.0172

* Season 2024-25 RT 8C is enclosed herein as **Annexure No. 1.**

Bindas Brothers Sugar Mills Ltd. (Unit Sugar & Distillery) Chandpur Dist. Muzaffarnagar (U.P.)

PART – C

Pollution discharged to Environment / unit of output:

Sugar ETP Treated Water flow — 1.84 M^3/MT of sugar
0.180 M^3/MT of Cane

(1) Pollution	Quantity of Pollutants discharged. (Mass / day)	Concentrations of pollutants in discharges (Mass / Volume)	Percentage of variation from Prescribed standards
(a) **WATER**			
Sugar Unit:			
Average Flow	828.03 M^3/day		
Suspended Solids	5.796 Kg/Day	07.0 Mg/Liter	86.00 % lower
B.O.D	10.764 Kg/Day	13.0 Mg/Liter	87.00 % lower
C.O.D.	59.616 Kg/day	72.00 Mg/Liter	71.20 % lower

Third party sugar ETP treated water analysis report is attached as **Annexure No.2**

(b) AIR :

Sugar Unit:

100 TPH stack 31 mg/NM^3 — 38 % lower

Third party sugar unit boiler Stack Emission analysis report is attached as **annexure No.3**

Ambient air monitoring report is attached herein as **annexure No.4**

Noise monitoring report is also thatched herein as **Annexure No. 5.**

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Mill. Unit Dist. Gyan (U.P.)

Part –D

HAZARDOUS WASTES

(As specified under hazardous wastes/management and handling rules, 2016)

	Hazardous wastes	Total Quantity (MT)	
		During the Previous Financial year 2023-24	During the current Financial year 2024-25
(a)	From pollution control facilities (Waste oil and grease is collected in drums from oil skimmers and send to TSDF M/s Sheetla waste Management.)	.86	0.50

Hazardous waste disposal form 10 is attached herein as **Annexure No. 6.**

PART –E

SOLID WASTE

		Total Quantity (MT)	
		During the previous financial year 2023-24	During the current financial year 2024-25
(a)	**From Process** (i) Filter cake	**20457.871**	**31028.68**
(b)	**From Pollution Control Facilities** (i) Sludge from Sugar ETP (ii) 100 TPH Sugar unit Boiler ash.	**500** **1650.35**	**700** **2746.56**
(c)	**(1) Quantity Recycled or re-utilized within the unit** Sludge from Sugar unit ETP	**100% as manure**	**100% as manure**
	(2) Sold:	**NA**	**NA**
	(3) Disposed (i) Filter Cake (ii) 100 TPH Sugar unit Boiler ash.	**20457.871** **1650.35**	**31028.68** **2746.56**

*Filter cake MT: Filter cake provided to farmer for using as manure.
*Ash disposed off environment friendly on low laying land.

Unit Sugar & Distillery) Dalmias Bharat Sugar Mills Ltd. Chandpur (U.P.)

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.

(a) **Filter cake: -**

- Lighter than soil.
- Sp. Gravity (approx.) 1.29
- Bulk density 0.70 gm/cc(approx.)

Constituents: -

- Carbon 34 % .
- Nitrogen 1.63 %.
- Phosphate 2.52 %.
- Potash 0.55 %.
- Calcium, Iron, Manganese, Zinc 4.74 %
- pH 6.8 to 7.0

Quantum: - 20457.871 MT.

Disposal: - Filter cake provided to farmer for using as manure.

Boiler ash :

Constituents

- Calcium 5.33 %.
- Aluminum 16.37 %.
- Combustible matter .40 %.

Disposal: Ash collected from E.S.P and disposed off environment friendly on low laying land. The suppression of ash is being done by the water spraying from sprinkling system. Finally soil is put above the ash up to 1 ½ fits.

Quantum - 1650.35 MT

(C) **Hazardous Waste:**

From pollution control facilities - Waste oil and used grease

Quantum :- - 860 Kg.

Constituants :- - Physical form- Liquid & semi solid.

Percentage solid -5 %.

Chemical composition -N.A.

Disposal:- Waste oil and grease is collected from the machines /oil and grease trap in PVC drums, and send to the TSDF M/s Sheetla Waste management projects ltd.

Bindals Paper's Mills Ltd. (Paper & Distillery) Vill. Kanjari Distt. Sitapur (U.P.)

PART – G

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

1. Closed loop cold and hot water recirculation system.
2. CPU is installed for recycle the water.
3. Anaerobic treatment is added for the strengthen of effluent treatment and the quality of final treated effluent.
4. ETP Treated water gainfully used in ferti-irrigation by local farmers and in our own greenbelt areas
5. Solid waste management in environment friendly manner.
6. Reduction in air pollution and water pollution by efficient operation of pollution control devices operation.

PART – H

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

1. 20000 Nos tree plantations & promotion of greenery on a large scale in surrounding areas of factory and nearby villages.
2. Diffused aeration system is adopted.
3. Online Continuous Emission Monitoring System is installed at stack of Boiler.
4. Telemetry piezometer system is installed.
5. Flow meters installed at various point of water consumption for reducing the water consumption as well as reducing the waste water generation.
6. Extra oil skimmer is installed at mill house outlet for proper separation of oil and grease from mill house drain.

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Chargipur Distt. Saharanpur (U.P.)

Treatment Strategy of Effluent:

SUGAR ETP TREATMENT SCHEME

Bindals Papers Mills Ltd. established its sugar unit in 2023, and as part of this setup, they also incorporated advanced technology for their effluent treatment plant (ETP). This move reflects a commitment to sustainability and environmental responsibility.

By using advanced treatment technologies, Bindals Papers Mills Ltd. ensures that the effluent produced during the sugar production process is adequately treated, the release of pollutants such as organic matter, chemicals, and suspended solids into the environment within the prescribed limits. This not only helps in compliance with environmental regulations but also supports sustainable practices in the sugar industry. Advanced ETP technologies typically employ a combination of physical, chemical, and biological processes to remove contaminants from effluent.

ETP PROCESS:

The waste water collected from mill house, boiling house and power house is collected in collection pit through RCC drain and transfer through pipe line to the E.T.P. The treatment process is following

1. **Process effluent:**
   - I. **Primary Treatment**: It consists mainly physical and chemical treatment.
     - a. **Bar Screen:** A coarse screen is fixed in the drain before the equalization tank of E.T.P. for the removal of coarse material / particles such as paper, cloth etc.
     - b. **Oil skimmer:** The effluent passes through a fixed type mechanical oil skimmer for the removal of oil and grease from the surface of effluents. The oil & grease collected is scrapped from the surface & is stored in a PVC drum. The same is being sent to authorize TSDF.
     - c. **Equalization tank:** The effluent now enters into Equalization tank to homogenize the waste water. The Equalization tank provides the necessary retention time for mixing of varying Effluents so as to attain the average value for the various parameters.
     - d. **Flash Mixer:** The effluent now enters into a reaction / flash mixing tank; here the effluent is mixed thoroughly with the requisite doses of lime and polyelectrolyte's by with stirring. The pH of the resulting effluent should be 7.5 to 8.0 at this stage.

e. **Primary clarifier:** The mixed effluent is then fed into a primary clarifier at a definite rate with the help of a centrifugal pump. The mixed effluent is then fed into a central flocculation chamber cum feed channel and the annular settling chamber. This is fitted with the low speed paddle mixer for flock formation. This flocculated solid mass settles on the bottom floor, from where it is continuously swept into bottom sludge well by mechanical scrapper for eventual removal into sludge drying bed under hydrostatic head.

The addition of lime and polyelectrolyte helps in coagulating most of the colloidal solid as well as all suspended solids and their eventual removal. The settled sludge at the bottom of the clarifier is collected in sludge well by means of rotating mechanical system. From here the sludge is removed by a sludge pump and sent to sludge drying bed.

2. **Spray Pond Effluent:** The spray pond effluent received from the cooling of PAN in process house, it contains mainly sulphar pollutant load and some organic pollutant load.

I. **Primary treatment:**

a. **Equalization tank:** The spray pond effluent directly received through pipe line in Equalization tank to homogenize the waste water. The Equalization tank provides the necessary retention time for mixing of varying Effluents so as to attain the average value for the various parameters. The mixing in carried out by the coarse diffuser aertion.

b. **Flash Mixer:** The effluent now enters into a reaction / flash mixing tank; here the effluent is mixed thoroughly with the requisite doses of lime and polyelectrolyte's by with stirring. The pH of the resulting effluent should be 10 to 10 at this stage.

c. **Primary clarifier:** The mixed effluent is then fed into a primary clarifier at a definite rate with the help of a centrifugal pump. The mixed effluent is then fed into a central flocculation chamber cum feed channel and the annular settling chamber. This is fitted with the low speed paddle mixer for flock formation.

d. **Lime (Calcium Hydroxide)**: This is added to the water to increase the pH, which causes the precipitation. In this case, the lime helps in the precipitation of sulfur in the form of calcium sulfate (gypsum). **Polyelectrolyte** aids in the coagulation process by promoting the aggregation of small colloidal particles into larger flocs, making it easier to remove suspended solids. **Precipitation and Coagulation** reacts to form calcium sulfate ($CaSO_4$), which precipitates out of the water.

Polyelectrolyte helps in coagulating the colloidal solids, causing them to clump together and settle out of the water more effectively. This flocculated solid mass settles on the bottom floor, from where it is continuously swept into bottom sludge well by mechanical scrapper for eventual removal into sludge drying bed under hydrostatic head.

II. **Secondary Treatment:**

a. **Common collection Tank:** The clarified water is being collected in the common collection tank from the both clarifier and transferred to the buffer tank of anaerobic treatment through pipe line.

b. **Buffer Tank:** The buffer tank is being used for the preparation of effluent to feed in the ICX anaerobic reactor by adding the nutrient as required caustic, DAP, Urea and micronutrient.

c. **Anaerobic Treatment:** In the BIOPAQ ICX reactor uses anaerobic granular biomass converts Bio degradable organic components (COD) from wastewater into biogas. The generated biogas is separated from the treated wastewater and collected in the gas holder. After the biological process is completed, the treated waste water overflow sends to aeration tank for further treatment. Anaerobic wastewater treatment is a type of biological treatment where anaerobic microorganisms are used to break down and remove organic contaminants from wastewater in absence of oxygen.

d. **Gas holder and flare stack:** The generated biogas collected in gas holder and being flared through the stack. This system is in auto mode.

e. **Aerobic Treatment:** The anaerobic treated effluent feed in the aerobic treatment. Aeration in an activated sludge process is based on pumping air into a tank, which promotes the microbial growth in the wastewater. Aeration provides oxygen to bacteria for treating and stabilizing the wastewater. Oxygen is needed by the bacteria to allow biodegradation to occur. The supplied oxygen is utilized by bacteria in the wastewater to break down the organic matter containing carbon to form carbon dioxide and water.

The excess sludge produced during the bio-oxidation process is discharged in sludge drying bed for dewatering. A high sludge concentration (MLSS) of 2500-3000mg/ltr is maintained within the system.

f. **Secondary Clarifier:** The activated sludge process is based on the recycle sludge mass from the secondary settler. Sludge is recycling into the aeration chamber to maintain high sludge concentration. The excess sludge produced during the bio-oxidation process is discharged in sludge drying bed for dewatering.

3. **Excess condensate Effluent:**

a. **Neutralization tank:** In this tank the excess condensate is being taken from UGR and the pH is being corrected up to 7-7.5 by the dosing of caustic.

b. **Aerobic Treatment:** The neutralization tank effluent feed in the aerobic treatment. Aeration in an activated sludge process is based on pumping air into a tank, which promotes the microbial growth in the wastewater. Aeration provides oxygen to bacteria for treating and stabilizing the wastewater. Oxygen is needed by the bacteria to allow biodegradation to occur. The supplied oxygen is utilized by bacteria in the wastewater to break down the organic matter containing carbon to form carbon dioxide and water. The excess sludge produced during the bio-oxidation process is discharged in sludge drying bed for dewatering. A low sludge concentration (MLSS) of 1000-1500mg/ltr is maintained within the system as the COD load of the condensate is very low up to 500 mg/lit.

c. **Tube settler:** The aerated effluent is being entered in the tube settler by gravity and the supernatant further feed to HRSCC.

d. **High Rate Solid Contact Clarifier (HRSCC):** The supernatant tube settler water is being feed in HRSCC with flocculent dosing for further cleaning of the colloidal solids.

e. **Sludge Drying Bed:** The sludge drying bed is made off bed with pebbles and coarse sand which is provide the filtration of water and the solids parts of sludge collected on the surface of beds.

III. **Tertiary treatment:** The HRSCC supernatant liquid is stored in the tank. The effluent from collection tank is pumped into coarse sand filter & activated carbon filter respectively. Both units are in series and they not only reduce suspended solids to a great extent but also help in removing of B.O.D. to some extent.

IV. **UF Filtration:** The liquid (typically water) is forced through the ultra filtration membrane under pressure. Permeate (clean water or filtered liquid) passes through the membrane, while the larger particles and contaminants are retained and form the concentrate which is typically sent for further treatment in aeration tank. The UF

water is being utilized in distillery cooling tower makeup and RO feed water for makeup water of boiler.

v. **Reverse Osmosis (RO): RO** is a membrane filtration process that removes contaminants from water by applying pressure to force water through a semi-permeable membrane, leaving behind dissolved solids, microorganisms, and other contaminants. The RO water is being recycled to feed water for boiler operation.

Process Flow diagram of ETP is attached herein as **Annexure No. 7.**

Sanitary and domestic disposal: - The domestic and sanitary effluent is being treated in sewage treatment plant and will be totally utilized in horticulture as per the norms of UPPCB.

The STP treated water analysis report is attached herein as **Annexure No. 8.**

PART – I

Any other particular for improving the quality of the environment.

1. Awareness program of farmer by Agriculture scientist.
2. We have installed modern plant in keeping view of minimum steam consumption, minimum fresh water consumption by adopting the best available recycle, reduce and reuse techniques.
3. Farmer Awareness tour for new technique in agriculture.
4. HDPE Pipe line up to 5.0 km to farmer field irrigation.
5. Regular monitoring of noise level, waste and stack gasses being done as per the schedule given below in the crushing season.

Process/Unit Frequency		Sampling points to be analyzed	Parameters of sampling
Effluent treatment plant			
1.	Screen	Outlet & inlet Floating material	Hourly
2.	Oil & Grease trap	Outlet & inlet oil & grease	Twice in shift
3.	Equalization tank	Outlet pH, S.S	Hourly
4.	Primary clarifier	Outlet SS	Daily-once
5.	Diffused Aeration Tank	MLSS, pH, DO	Shift wise
6.	Final clarifier	Outlet BOD,COD, S.S, pH	Real Time
Air Pollution Control Device			
	Wet scrubber.	Stack SPM	Real Time
Noise Level Monitoring			
1.	Near the plant	Noise level	Weekly

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Chandpur Distt. Bijnor (U.P.)

Annexure No. 1

BINDALS
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BINDALS PAPERS MILLS LIMITED

UNIT- SUGAR
CHANGIPUR, BIJNOR (U.P.)

FINAL MANUFACTURING REPORT
RT-8(C)
Season : 2024-25

Corporate Office : Bindals Papers Mills Limited 8th Km., Bhopa Road Muzaffarnagar -251001, UP, India
Ph:+91-131-2468381 , 9917055355 Email:info@bindalpapers.com

BINDALS

FORM R. T. 8 (C)

(For Central Sugar Factories)

Final Manufacturing Report for Season 2024-25

(Central Excise Rule 83)

Name & Address of Factory :- Bindals Papers Mills Ltd (Unit-Sugar &Distillery Division) Changipur Bijnor (U.P)

Registration No. of Factory :- 69067 Div.: Moradabad Range: Bijnor

Clarification Process used :- Double Sulphitation Process

S.No.	PARTICULARS		This Season 2024-25	Last Season 2023-24
1	**Time Account**			
	Date of start		04-Nov-24	04-Nov-23
	Time of start		6:15 PM	7:15 PM
	Date of finish		15-March-2025	21-March-2024
	Time of finish		11:45 PM	11:05 PM
	Gross Season		132	139
	Duration of season -	days	131.15	118.39
	Total hours Actual Crushing	days	2885.35	2604.51
	Total hours lost	(Hrs)	264.15	711.33
	i) Cane shortage	(Hrs)	190.97	612.96
	ii) Mechanical and Electrical	(Hrs)	51.64	64.03
	iii) Process	(Hrs)	0.00	0.00
	iv) General cleaning	(Hrs)	21.54	19.15
	v)Growers & Truck Strike	(Hrs)	0.00	0.00
	v) Misc.- (Inclement weather+Festivals etc.)	(Hrs)	0.00	15.18
2	**Cane Crushed :**			
	i) Own Estate Cane	Qtls.	0.00	0.00
	ii) Gate Cane	Qtls.	3772661.22	4127241.98
	iii) Out Station (centre) Cane	Qtls.	4235981.89	1462340.28
	iv) Total	Qtls.	8008643.11	5589582.26
3	**Juice & Added Water**			
	Average Gross Mixed juice % Cane		113.75	117.42
	Correction % Mixed juice		0.44	0.43
	Average Net Mixed juice % Cane		113.25	116.92
	Total Net Mixed juice	Qtls.	9069677	6535235
	Average Added Water	% Cane	40.63	44.40
4	**Sugars**			
	Total Sugar bagged			
	i) No. of bags a) 50 kg	Nos.	1574540.00	1150600.00
	b) 100 kg	Nos.	0.00	0.00
	ii) Total Quantity Bagged	Qtls.	787270*	575300**
	Sugar in Process , if any	Qtls.	0.00	0.00
	Total Sugar made	Qtls.	787270.00	575300.00
	Sugar recovered from previous season's process	Qtls.	0.00	0.00
	Sugar recovered from pre. season's remelt sugar	Qtls.	0.00	0.00
	Sugar recovered from Raw Sugar	Qtls.	0.00	0.00
	Total net Sugar made	Qtls.	787270*	575300**
5	**Molasses**			
	Total Molasses sent out	Qtls.	407200.00	338732.90
	Molasses in process ,If any	Qtls.	0.00	0.00
	Total Molasses Produced	Qtls.	407200.00	338732.90
	Molasses recovered from previous season's process	Qtls.	0.00	0.00
	Molasses recovered from pre. season's remelt sugar	Qtls.	0.00	0.00
	Molasses recovered from Raw Sugar	Qtls.	0.00	0.00
	Total net Molasses made		407200.00	338732.90

* This includes 2350 Qtls. BISS (Brown Sugar) of above 90 0 pol.

** This includes 1500 Qtls. BISS (Brown Sugar) of above 90 0 pol.

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

S.No.	PARTICULARS		This Season 2024-25	Last Season 2023-24
6	**Recovery**			
	Average Recovery of sugar percent cane		9.83	10.29
	Average Production of final molasses percent cane		5.08	5.06
7	Bagasse percent Cane		26.80	26.98
8	Filter cake percent cane		3.87	3.66
9	**Stores used**			
	Bagasse percent cane			
	a) Trial	% Cane	0.019	0.895
	b) Season	% Cane	12.630	20.032
	c) Season (RDF)	% Cane	2.045	
	Lime a) Process	Qtls. Per 100 Qtls.of cane	0.178	0.170
	b) ETP	Qtls. Per 100 Qtls.of cane	0.000	0.021
	c) Cooling tower	Qtls. Per 100 Qtls.of cane	0.000	-
	Sulphur	Qtls. Per 100 Qtls.of cane	0.057	0.055
	Phosphoric Acid	Kg per 100 Qtls.of Cane	0.017	0.042
	Color PPt (for Juice)	Kg per 100 Qtls.of Cane	0.047	0.029
	Color PPt (For melt)	Kg per 100 Qtls.of Cane	-	-
	Lubricants	Ltrs. Per 100 Qtls.of Cane	0.052	0.026
	Grease	Kg per 100 Qtls.of Cane	0.038	0.015
	Seed Slurry	Kg per 100 Qtls.of Cane	0.140	0.070
	Biocides	Kg per 100 Qtls.of Cane	0.051	0.065
	Washing soda	Kg per 100 Qtls.of Cane	0.012	0.010
	Caustic soda (Process)	Kg per 100 Qtls.of Cane	0.125	0.212
	Caustic soda (Boiler)	Kg per 100 Qtls.of Cane	0.013	0.042
	Viscosity reducer	Kg per 100 Qtls.of Cane	0.041	0.036
	Flocculant (Juice)	Kg per 100 Qtls.of Cane	0.016	0.022
	Flocculant (Melt)	Kg per 100 Qtls.of Cane	-	-
	Dextranase	Kg per 100 Qtls.of Cane	0.0130	0.0070
	Alpha-amylase	Kg per 100 Qtls.of Cane	0.0210	0.0190
	Scale softner	Kg per 100 Qtls.of Cane	0.0370	0.0590
	Antifoam	Kg per 100 Qtls.of Cane	0.0210	0.0179
	Bleaching Powder	Kg per 100 Qtls.of Cane	-	-
	Boiler Chemicals	Kg per 100 Qtls.of Cane	0.0420	0.0224
	Eloguard	Kg per 100 Qtls.of Cane	-	-
	Comman Salt	Kg per 100 Qtls.of Cane	-	-
	Hydrochloric Acid	Kg per 100 Qtls.of Cane	0.020	0.078
10	**ANALYSIS**			
	Cane	Sugar percent	11.79	13.24
		Fibre percent	13.11	12.82
	Primary juice	Sugar percent	14.14	15.45
		Brix percent	17.33	18.54
		Purity	81.59	83.33
	Mixed juice	Sugar percent	10.05	10.92
		Brix percent	12.54	13.34
		Purity	80.16	81.87
	Last Express juice	Sugar percent	1.30	1.76
		Brix percent	1.75	2.35
		Purity	74.29	74.89
	Clarified juice	Sugar percent	9.52	10.42
		Brix percent	11.80	12.64
		Purity	80.68	82.44
	Un Sulphured Syrup	Sugar percent	55.17	54.89
		Brix percent	69.18	66.93
		Purity	79.75	82.01
	Sulphured Syrup	Sugar percent	54.92	54.47
		Brix percent	68.99	66.53
		Purity	79.61	81.87
	Massecuite			
	Massecuite -A	Brix percent	91.17	88.60
		Purity	90.42	89.31
	Massecuite -A1	Brix percent	91.62	90.43
		Purity	79.73	80.82
	Massecuite -B	Brix percent	93.00	90.80
		Purity	73.41	75.13
	Massecuite -C	Brix percent	97.21	95.15
		Purity	61.08	62.04
	Massecuite -C1	Brix percent	92.94	
		Purity	68.44	

Bindals Papers Mills Ltd. (Unit Sugar & Distillery)
Vill. Mahmudpur
Distt. Bijnor
(U.P.)

S.No.	PARTICULARS		This Season	Last Season
			2024-25	2023-24
	Molasses			
	A - Heavy		-	
		Brix percent	77.92	74.93
		Purity	76.75	76.79
	A - Light	Brix percent	67.02	64.77
		Purity	92.30	90.95
	A1 - Heavy	Brix percent	80.64	79.22
		Purity	59.12	64.13
	B - Heavy	Brix percent	82.58	81.20
		Purity	49.56	53.85
	C1 - Heavy	Brix percent	85.07	
		Purity	48.02	
	C- Light	Brix percent	75.54	74.13
		Purity	70.53	71.61
	Sugar			
	White Sugar (Bagged)	Sugar percent	99.90	99.90
		Moisture percent	0.027	0.028
	C-Heavy Molasses	Sugar percent	26.57	37.75
		Brix percent	85.25	83.26
		Purity	31.17	45.34
	Bagasse	Sugar percent	1.52	1.77
		Moisture percent	49.17	50.11
		Fibre percent	48.78	47.57
	Filter cake	Sugar percent	1.57	1.67
11	Mill Extraction, Boiling House Extraction & Overall Extraction			
	Mill Extraction		96.55	96.46
	Reduced Mill Extraction (deer)		96.73	96.56
	Boiling House Extraction		86.29	80.58
	Reduced Boiling House Extraction		89.76	84.58
	Overall Extraction		83.29	77.68
	Reduced Overall Extraction		86.82	81.26
12	SUGAR BALANCE			
	Sugar in Cane		11.79	13.2
	Sugar in Mixed Juice		11.38	12.7
	Sugar in Bagasse		0.41	0.4
	Sugar in Filter Cake		0.06	0.0
	Sugar in Final Molasses		1.35	2.2
	Sugar in sugar		9.82	10.2
	Sugar undetermined		0.15	0.1
	Total Losses (in Bagasse,Filter cake,Molasses & Undetermined)		1.97	2.9

I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.

Date :

(Neeraj Sharma)
Mgr. (QC)

(Shashi Gupta)
President (Sugar & Distillery)

Note : a) Sugar means "direct Pol"

b) Bagasse percent cane= 100 + Added water % cane - Mixed juice (Gross) % cane

c) Gross season means total No. of days from the date of start to the date of close, both days inclusive.

d) Duration of season : Days calculated by dividing the total actual crushing hours by 22 .

e) Out station cane is the cane weighed and purchased at a centre other than the factrory

Bindals Beers Mills Ltd. (Unit Sugar & Distillery) Village Shamgarh (U.P.)

BINDALS PAPERS MILLS LIMITED UNIT -SUGAR
ADDITIONAL INFORMATIONS ALONG WITH FINAL MANUFACTURING REPORT

S.No.	PARTICULARS	This Season 2024-25	Last Season 2023-24
1	Mill Extraction	96.55	96.40
2	Reduced Mill Extraction		
	a) Deerr	96.73	96.50
	b) Reduced Extraction (Mittal)	96.71	96.28
3	Boiling House Extraction	86.29	80.58
4	Reduced Boiling House Extraction		
	a) Gundu Rao	89.38	84.21
	b) Noel Deerr	89.76	84.58
5	Overall Extraction	83.29	77.68
6	Reduced Overall Extraction		
	a) Gundu Rao	86.46	81.26
	b) Noel Deerr	86.82	81.62
7	Undiluted juice lost % fibre	24.25	25.23
8	Added water extracted in mixed juice % added water	77.04	73.72
9	Added water % fibre	309.88	346.32
10	DMF	72.62	72.52
11	Java Ratio	83.28	85.71
12	Crush rate (MT) per 24 hours		
	a) Including Stoppage	6103	4046
	b) Excluding stoppage	6662	5150
	c) Sanctioned Capacity (T.C.D.)	8500	8500
13	Capacity Utilization - Gross	71.80	47.60
	- Net	78.38	60.59
14	Total Time lost % Available	8.39	21.45
15	Steam consumption % cane	32.17	40.01
16	E.R.Q.V.		
	a) M.J./ P.J.	96.56	96.49
	b) L.M.J./ P.J.	82.45	80.52
17	Power Consumption (KWH/Ton of Cane)	36.72	42.18
18	Massecuite % Cane		
	a) A- Massecuite	28.50	25.20
	b) A1-Massecuit	2.50	3.34
	c) B- Massecuite	12.50	14.85
	d) C- Massecuite	7.30	8.07
	e) C1- Massecuite	2.00	-
	f) Total Massecuite %	52.80	51.46

22 Gradewise sugar production (Qtls.)

	This Season : 2024-25		Last Season : 2023-24	
ISS GRADE	QUANTITY	%ge	QUANTITY	%ge
LI-30	125	0.02	4055	0.70
L-31	55240	7.02	57785	10.04
M-31	595075	75.59	375505	65.27
M-30	1150	0.15	14515	2.52
S-31	132730	16.86	107540	18.69
S-30	600	0.08	14400	2.50
BISS	2350	0.30	1500	0.26
TOTAL	787270	100.00	575300	100.00

Mr. Shashi Gupta - President (Sugar & Distillery Division)
Mr. Mukesh Mittal - Sr.Vice President (Technical)
Mr. Jitendra Malik - Vice President (Cane)
Mr. Pawan Kr Gupta - Dy. General Manager (Production)
Mr. Neeraj Shrma - Manager (QC)

Bindals Papers Mills Ltd. Sugar & Distillery Vill. Chandpur Distt. Bijnor (U.P.)

Annexure No. 2

Newcon Consultants & Laboratories

TC-12621

(GOVERNMENT APPROVED TESTING LABORATORIES)
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TEST REPORT

TEST REPORT No. NCL/EP-047/30/11/24	DATE OF REPORT :04/12/2024
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAILS

Sample Name	: EFFLUENT WATER		
Analysis Start Date	: 30/11/2024	Analysis End Date	: 04/12/2024
Date of Sampling	: 29/11/2024	Sample ID No.	: NCL/EP-047/30/11/24
Time of Sampling	: 10:00 AM	Sample Receipt Date	: 30/11/2024
Sampling Done By	: NCL	Environmental Condition	: 27±2°C
Sampling Description	: EFFLUENT WATER AFTER TREATMENT		
Sampling Location	: ETP OUTLET		
Sampling Protocol	: IS : 17614 (P-1)	Sample Quantity	: 2 Ltr
Packing Condition	: Sealed	Packing	: PVC BOTTLE

TEST RESULT

S.No.	Test Parameters	Unit	Test Method	Results	Specification As per CPCB (Sugar Industry)
1	pH	-	IS : 3025 (P-11)	7.27	5.5-9.0
2	Total Suspended Solids (TSS)	mg/L	IS : 3025 (P-17)	7.0	100
3	Bio Chemical Oxygen Demand (3 Days at 27°C)	mg/L	IS : 3025 (P-44)	13	30
4	Chemical Oxygen Demand (COD)	mg/L	APHA-5220 B	72	250
5	Oil & Grease	mg/L	IS : 3025 (P-39)	1.4	10

End of Report

EP-047/30/11/24-1

FOR NEWCON CONSULTANTS & LABORATORIES

SONU
Section Incharge
Checked by

SHASHI SOLANKI
Authorized Signatory
NCL

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Bindals Papers Mills Ltd. (Unit: Sugar & Distillery) Changipur Dist. Bijnor (U.P.)

Laboratory : A-1/156, Sector-17, (Swadeshi Compound) Kavi Nagar Industrial Area, GHAZIABAD - 201 002 (U.P.)
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E-mail : newconlab@gmail.com, newconlabfinance@gmail.com

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TC-12821

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TEST REPORT Annexure No. 3

TEST REPORT No. NCL/EP-087/11/12/24	DATE OF REPORT :16/12/2024
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: STACK EMISSION	Analysis End Date	: 16/12/2024
Analysis Start Date	: 11/12/2024	Sampling Done By	: NCL
Date of Sampling	: 10/12/2024	Duration of Sampling	: 30 Minutes
Sampling Protocol	: AS PER CPCB GUIDELINES	Sample ID No.	: NCL/EP-087/11/12/24
Sampling Location	: --	Area Category	: --
Equipments Used	: Vayubodhan Stack Sampler No-1 VSS-1 (S.No-321 DTC 01)		

DETAILS OF STACK

Stack Attached to	: Boiler	Capacity	: 100 TPH
Type of fuel used	: Bagasse	Quantity of fuel used	: 34 MT/DAY
Stack height above the ground level	: 72.0 Mtr	Stack height above the roof top	: --
Stack dia at the top	: 2500 mm	Material of Construction	: MS
Attached APCS	: ESP	Normal Oprating Schedule	: AS PER REQUIREMENT
Comminssioning date	: --		

PHYSICAL OBSERVATIONS

Ambient Temperature	: 20°C	Flue gas temperature	: 98°C
Velocity of the flue gases	: 7.5 Mtr/sec	Sampling Flow Rate of SPM	: 25.0 LPM
Sampling Flow Rate for Gases	: 2.4 LPM	Quantity of Emission discharged	: 103803.38 Nm³/hr

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results	Specification As Per CPCB
1	Particulate Metters (PM)	mg/Nm³	IS:11255 (Part-1)	34	250
2	Sulphur Dioxide (SO2)	mg/Nm³	IS:11255 (Part-2)	13	Not Specified
3	Carbon Monoxide (CO)	%	IS:13270	0.042	Not Specified
4	Oxide of Nitrogen (NOx)	mg/Nm³	IS:11255 (Part-7)	47	Not Specified

End of Report

EP-087/11/12/24-1

Checked by

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory

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TEST REPORT

Annexure No. 4

TEST REPORT No. NCL/ED-013/28/02/25	DATE OF REPORT :03/03/2025
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name : AMBIENT AIR
Analysis Start Date : 28/02/2025
Date of Sampling : 27/02/2025
Time of Sampling : 10:00 AM (27/02) TO 10:00 AM (28/02)
Sampling Protocol : IS:5182
Sampling Flow Rate for Gases : 0.5 LPM
Sampling Duration : 24 Hrs
Equipments Used : Respirable Dust Sampler (PM10)+Fine Particulate Sampler (PM2.5) With Gaseous Attachment

Analysis End Date : 03/03/2025
Sampling Done By : NCL
Sampling Location : Near Boiler Area
Sample ID No. : NCL/ED-013/28/02/25
Sampling Flow Rate of SPM (Average) : 1.27 Mtr³/min
Sampling Machine Placed at Height (from ground) : 3.0 Mtr

PHYSICAL OBSERVATIONS

Ambient Temperature : 27°C
Weather Conditions : Clear
Wind Direction : East to West

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
1	Particulate Matters (Size Less Than 10µm) (PM10)	µg/m3	IS:5182 (Part 23)	84	For 24 Hrs=100
2	Particulate Matters (Size Less Than 2.5µm) (PM2.5)	µg/m3	NCL/AIR/STP-09	45	For 24 Hrs=60
3	Sulphur Dioxide (SO2)	µg/m3	IS:5182 (Part 2)	18.1	For 24 Hrs=80
4	Carbon Monoxide (CO)	mg/m3	IS:5182 (Part 10)	0.64	For 08 Hrs=02 For 1 Hrs =04
5	Nitrogen Dioxide (NO2)	µg/m3	IS:5182 (Part 6)	32.2	For 24 Hrs=80
6	Lead (Pb)	µg/m3	IS:5182 (Part 22)	BDL(DL-0.05)	For 24 Hrs=1.0
7	Ozone (O3)	µg/m3	IS:5182 (Part-9)	20.8	For 8 Hrs=100 For 1 Hr=180
8	Ammonia (NH3)	µg/m3	NCL/AIR/STP-13	BDL(DL-20.0)	For 24 Hrs=400
9	Benzene (C6 H6)	µg/m3	IS:5182 (Part-11)	BDL(DL-1.0)	For Annual=05
10	Benzo (a) Pyrene (BaP)	ng/m3	IS:5182 (Part-12)	BDL(DL-0.1)	For Annual=01

ED-013/28/02/25-1

JITENDER
Section Incharge
Checked by

Arvind Choudhary
SR Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

SHASHI SOLANKI
Lab Head
NCL
Authorized Signatory

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E-mail : newconlab@gmail.com, newconlabfinance@gmail.com

TEST REPORT No. NCL/ED-013/28/02/25 **DATE OF REPORT :03/03/2025**

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
11	Arsenic (As)	ng/m3	NCL/AIR/STP-19	BDL(DL-1.0)	For Annual=06
12	Nickel (Ni)	ng/m3	NCL/AIR/STP-17	BDL(DL-5.0)	For Annual=20

End of Report

Remarks : BDL=Below Detection Limit.

Bindals Papers Mill Ltd. (Unit Sugar & Distillery) Vill. Chandpur Dist. Bijnor (U.P.)

ED-013/28/02/25-2

Arvind Choudhary
Checked by Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory

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TEST REPORT

TEST REPORT No. NCL/ED-014/28/02/25	DATE OF REPORT : 03/03/2025
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: AMBIENT AIR		
Analysis Start Date	: 28/02/2025	Analysis End Date	: 03/03/2025
Date of Sampling	: 27/02/2025	Sampling Done By	: NCL
Time of Sampling	: 10:00 AM (27/02) TO 10:00 AM (28/02)	Sampling Location	: Near Stockyard
Sampling Protocol	: IS:5182	Sample ID No.	: NCL/ED-014/28/02/25
Sampling Flow Rate for Gases	: 0.5 LPM	Sampling Flow Rate of SPM (Average)	: 1.26 Mtr³/min
Sampling Duration	: 24 Hrs	Sampling Machine Placed at Height (from ground)	: 3.0 Mtr
Equipments Used	: Respirable Dust Sampler (PM10)+Fine Particulate Sampler (PM2.5) With Gaseous Attachment		

PHYSICAL OBSERVATIONS

Ambient Temperature	: 27°C	Wind Direction	: East to West
Weather Conditions	: Clear		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
1	Particulate Matters (Size Less Than 10µm) (PM10)	µg/m3	IS:5182 (Part 23)	80	For 24 Hrs=100
2	Particulate Matters (Size Less Than 2.5µm) (PM2.5)	µg/m3	NCL/AIR/STP-09	42	For 24 Hrs=60
3	Sulphur Dioxide (SO2)	µg/m3	IS:5182 (Part 2)	17.6	For 24 Hrs=80
4	Carbon Monoxide (CO)	mg/m3	IS:5182 (Part 10)	0.61	For 08 Hrs=02 For 1 Hrs =04
5	Nitrogen Dioxide (NO2)	µg/m3	IS:5182 (Part 6)	31.4	For 24 Hrs=80
6	Lead (Pb)	µg/m3	IS:5182 (Part 22)	BDL(DL-0.05)	For 24 Hrs=1.0
7	Ozone (O3)	µg/m3	IS:5182 (Part-9)	20.5	For 8 Hrs=100 For 1 Hr=180
8	Ammonia (NH3)	µg/m3	NCL/AIR/STP-13	BDL(DL-20.0)	For 24 Hrs=400
9	Benzene (C6 H6)	µg/m3	IS:5182 (Part-11)	BDL(DL-1.0)	For Annual=05
10	Benzo (a) Pyrene (BaP)	ng/m3	IS:5182 (Part-12)	BDL(DL-0.1)	For Annual=01

ED-014/28/02/25-1

FOR NEWCON CONSULTANTS & LABORATORIES

Checked by

Authorized Signatory

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TEST REPORT No. NCL/ED-014/28/02/25 **DATE OF REPORT : 03/03/2025**

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
11	Arsenic (As)	ng/m3	NCL/AIR/STP-19	BDL(DL-1.0)	For Annual=06
12	Nickel (Ni)	ng/m3	NCL/AIR/STP-17	BDL(DL-5.0)	For Annual=20

End of Report

Remarks : BDL=Below Detection Limit.

Binals Papers (Unit Sugar & Distillery) Vill. Chhajpur Dist. Bijnor (U.P.)

ED-014/28/02/25-2

Arvind Choudhary
Sr. Analyst
Checked by

FOR NEWCON CONSULTANTS & LABORATORIES

AASHI SOLANKI
Authorized Signatory
NCL

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Annexure No. 5

TEST REPORT

TEST REPORT No. NCL/ED-015/28/02/25	DATE OF REPORT :03/03/2025
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: Ambient Noise		
Analysis Start Date	: 28/02/2025	Analysis End Date	: 28/02/2025
Date of Monitoring	: 27/02/2025	Monitoring Done By	: NCL .
Monitoring Duration	: 24 Hrs	Place of Monitoring	: Near Boiler Area
Time of Monitoring	: 10:30 AM (27/02) TO 10:30 AM (28/02)	Protocol	: NCL/AIR/STP/20
Category of Area	: Industrial Area		

OBSERVATIONS

Observation No.	1	2	3	4	5	6	7	8	9	10
Day Time Reading (dB(A)	62.8	63.3	63.9	64.2	64.5	65.1	65.6	66.2	66.7	67.4
Night Time Reading (dB(A)	52.7	53.2	53.8	54.3	54.9	55.2	55.6	56.1	56.7	57.2

TEST RESULT

S.No.	Test Parameter	Results	Specification As Per CPCB
Day Time Noise Level			
1	Average Noise Level	65.0	-
2	L Max	67.4	-
3	L Min	62.8	-
4	Day Leq	65.2	75.0 Max
Night Time Noise Level			
5	Average Noise Level	55.0	-
6	L Max	57.2	-
7	L Min	52.7	-
8	Night Leq	55.2	70.0 Max

End of Report

Remarks : >Day time reckoned between 6:00AM To 10:00PM.
>Night time reckoned between 10:00PM To 06:00AM.

ED-015/28/02/25-1

JITENDER
Section Incharge
Checked by

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

FOR NEWCON CONSULTANTS & LABORATORIES

Authorised Signatory

HASMUKH SOLANKI
NCL

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TEST REPORT

TEST REPORT No. NCL/ED-016/28/02/25 DATE OF REPORT :03/03/2025

Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: Ambient Noise		
Analysis Start Date	: 28/02/2025	Analysis End Date	: 28/02/2025
Date of Monitoring	: 27/02/2025	Monitoring Done By	: NCL
Monitoring Duration	: 24 Hrs	Place of Monitoring	: Near Stockyard
Time of Monitoring	: 10:30 AM (27/02) TO 10:30 AM (28/02)	Protocol	: NCL/AIR/STP/20
Category of Area	: Industrial Area		

OBSERVATIONS

Observation No.	1	2	3	4	5	6	7	8	9	10
Day Time Reading (dB(A)	63.6	64.1	64.5	65.3	65.9	66.2	66.7	67.2	67.7	68.1
Night Time Reading (dB(A)	52.8	53.4	54.1	54.7	55.3	55.9	56.2	56.8	57.1	57.6

TEST RESULT

S.No.	Test Parameter	Results	Specification As Per CPCB
Day Time Noise Level			
1	Average Noise Level	65.9	-
2	L Max	68.1	-
3	L Min	63.6	-
4	Day Leq	66.1	75.0 Max
Night Time Noise Level			
5	Average Noise Level	55.4	-
6	L Max	57.6	-
7	L Min	52.8	-
8	Night Leq	55.6	70.0 Max

End of Report

Remarks : >Day time reckoned between 6:00AM To 10:00PM.
>Night time reckoned between 10:00PM To 06:00AM.

ED-016/28/02/25-1

JITENDER
Security Incharge
Checked by

Bindals Papers Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

FOR NEWCON CONSULTANTS & LABORATORIES

SHASHI SOLANKI
Lab Head
NCL

Authorized Signatory

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Laboratory : A-1/156, Sector-17, (Swadeshi Compound) Kavi Nagar Industrial Area, GHAZIABAD - 201 002 (U.P.)
Mobile : 9810430345, 9205501788 | **Website :** www.newconlab.in
E-mail : newconlab@gmail.com, newconlabfinance@gmail.com

Annexure No-6

FORM 10

[See rule 19 (1)]

S. No. HW 11916

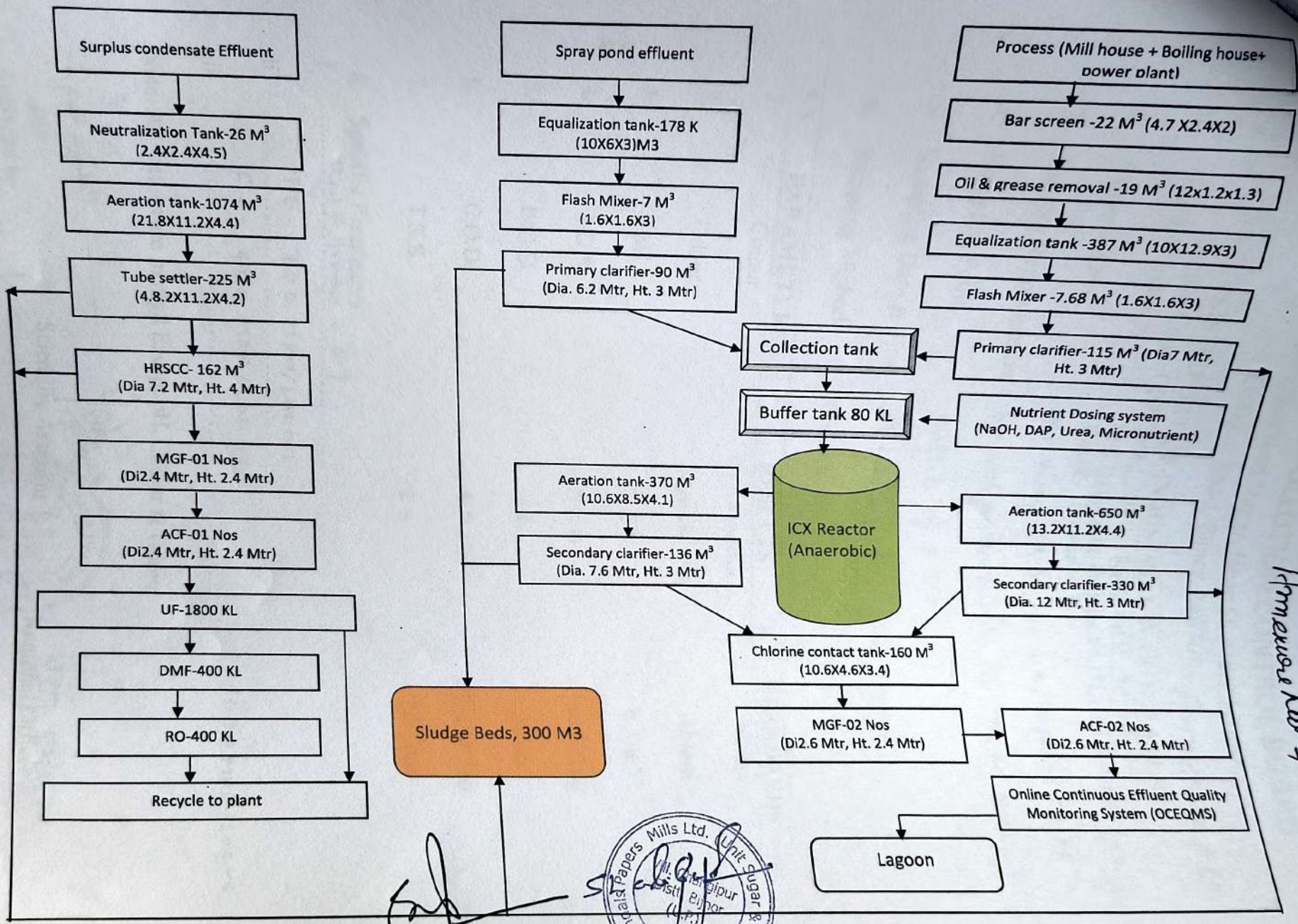
MANIFEST FOR HAZARDOUS AND OTHER WASTE

To Be Forwarded By The Sender To The State Pollution Control Board After Signing All The Seven Copies

1.	Sender's Name and Mailing Address (including Phone No. and E-mail) :	Bindals Sugar & Distillery Unit of Bindals Paper Mills Ltd. Vill. Changipur, Bijnor (U.P.)
2.	Sender's Authorisation No. :	
3.	Manifest Document No. :	11919 Dated 29/09/2025
4.	Transporter's Name and Address (including Phone No. and E-mail) :	S.W.M.P
5.	Type of Vehicle :	(Truck/Tanker/Special Vehicle)
6.	Transporter's Registration No. :	
7.	Vehicle Registration No. :	UP-16AT-0849
8.	Receiver's Name and Mailing Address (including Phone No. and E-mail) :	**SHEETALA WASTE MANAGEMENT PROJECT** D-26 & 37, UPSIDC Industrial Area, Tehsil-Sikandrabad Dist. Bulandshahr, Uttar Pradesh - 203206 Mob. : 9643764441 | E-mail : swmp@sheetalawaste.com
9.	Receiver's Authorisation No.:	13443(UPPCB/Bulandshahar(UPPCBRO)/HWM/ BULAND SHAHAR/2020 | Dated : 08/01/2021 183555/UPPCB/Bulandshahar(UPPCBRO)/CTO/both/BULANDSHAHAR/2023 | Date : 20/05/2023
10.	Waste Description :	Oily Sludge 4.1
11.	Total Quantity No. of Containers :	..... m^3 or MT 550 Kg ..... Nos.
12.	Physical Form :	(Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)
13.	Special Handling Instructions and Additional Information :	In case of leakage/spillage, use washing soap at the point of leakage to prevent it. All material should be properly packed in spillage proof containers. Do not throw any material from vehicle
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and led, and are in all respects in proper conditions for transport by road according to applicable national government regulations.
	Name and Stamp: Signature	Day 29 Month 09 Year 2029
15.	Transporter Acknowledgement of Receipt of Wastes	
	Name and Stamp: Sheetala Waste Manag... Project Add: D-26 & D-36, ... Industrial Area, Sikandrabad, Bulandshahr (U.P.)-203206 GSTIN-09ADSFS73...1Z1 Signature	Day 29 Month 09 Year 2025
16.	Receiver's certification for receipt of hazardous and other waste	
	Name and Stamp: Signature :	Day Month Year

BINDALS PAPERS MILLS LTD. - SUGAR DIVISION

BINDALS PAPERS MILLS LTD. SUGAR UNIT ETP (2100 KLD) PROCESS FLOW DIAGRAM



Annexure No 7

Bindals Papers Mills Ltd. Unit Sugar & Distillery Vill. Chilkigulpur Distt. Bijnor (U.P.)

UTTAR PRADESH POLLUTION CONTROL BOARD

Maharshi Dayanand Nagar, Near St. Mery School,
Chakkar Road, Bijnor-246701

Annexure No. 9

ANALYSIS REPORT OF INDUSTRIAL WASTE WATER

Sample Code: UPPCB/R.L./W.W./BPS-08/2024

1. Name of Industry : M/s Bindals Paper Mills Ltd, Vill. Changipur Distt. Bijnor.
2. Collected by : Mr. Vijay (R.O), Mr. S.K Tripathi (S.A)
3. Factory Representative : Mr. satyender kumar Giri (DGM EHS)
4. Sampling Point : Outlet of S.T.P
5. Sampling Date & Time : 21/11/2024, 12:30PM
6. Sampling Method : Grab

S.N	PARAMETERS	RESULTS	STANDARDS
1.	Colour	Colourless	Absent
2.	Odour	odourless	Absent
3.	pH	7.83	6.5-8.5
4.	T.D.S.	520	1600/2100
5.	B.O.D.	14	20/30
6.	C.O.D.	40	50/150/250
7.	T.S.S.	25	30/100
8.	Specific Parameters		
i.	Oil & Grease - 07		
ii.	T.C - 700 MPN/100ml		
iii.	F.C - 460 MPN/100ml		1000 MPN/100ml

Note: All Values are in mg/l Except pH, Colour & Odour

27/11/24
JRF
Analyzed by

27/11/24
Scientific Assistant

Bindals Paper Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

27/11/24
Regional Officer

ENVIRONMENTAL STATEMENT

OF

BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION)
VILLAGE – CHANGIPUR, DISTRICT– BIJNOR (U.P.)

(DISTILLERY UNIT)

FINANCIAL YEAR ENDING THE 31ST MARCH, 2025

PREPARED BY:

BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION)
VILLAGE – CHANGIPUR, DISTRICT– BIJNOR (U.P.

Environmental statement for the financial year ending the 31st March, 2025

Part –A

(1) **Name and Address of the Owner /occupier of the industry, operation or process.** : **BINDALS PAPERS MILLS LIMITED (SUGAR & DISTILLERY DIVISION) VILLAGE – CHANGIPUR, DISTRICT– BIJNOR (U.P.)**

(ii) **Industry Category** : **Distillery**
Primary : (SIC Code) :
Secondary: (SIC Code) :

(iii) **Production Capacity (units)** : 150 KLD (Rectified Spirit / Ethanol / Absolute Alcohol)

(iv) **Year of Establishment** : 2023

(v) **Date of the last environmental Statement submitted** : 30.09.2024

PART – B

Water and Raw Material Consumption 2024-25

1) TOTAL WATER CONSUMPTION : 188 M^3/day

a) Process : 188 M^3/day

b) Cooling : 00 Sugar ETP treated water is being used

c) Domestic : 00

Name of Products	**Process water consumption per unit of output**	
Rectified Spirit / A.A /Ethanol	During the Previous Financial Year (2023-24)	During the current Financial Year (2024-25)
	2.14 KL/ KL	1.84 KL/KL

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

2) RAW MATERIAL CONSUMPTION

Name of raw material	Consumption of raw material per unit of output	
	During the previous Financial year (2023-24)	During the current Financial year (2024-25)
Molasses	3.8 MT /KL OF AA	4.237 MT /KL OF AA

PART C

Pollution discharged to environment/unit of output:

(1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharged (mass / volume)	Percentage of variation from prescribed standards with reasons
a) Water:	Not Applicable (It's a Zero liquid discharge Industry)		
b) Air:		31 mg/Nm3	38% lower

Third party distillery unit boiler Stack Emission analysis report is attached as **annexure No.1.**

Ambient air monitoring report is attached herein as **annexure No.2**

Noise monitoring report is also thatched herein as **Annexure No. 3.**

PART – D

Hazardous Wastes

(As specified under the Hazardous Waste (Management, Handling and Transboundary Movement Rules, 2016)

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous - Financial year (2023-24)	During the current Financial year (2024-25)
(a) From Process	**NIL**	**NIL**
(b) From pollution control facilities	**NIL**	**NIL**

Bindals Papers Mills Ltd. (Unit: Sugar & Distillery) Vill. Rangipur Distt. Bijnor (U.P.)

PART – E

SOLID WASTE

		Total Quantity (MT)	
		During the previous Financial year 2023-2024	During the current Financial year 2024-2025
(a)	**From Process** (i) Fermenter sludge from Distillery unit	**597**	**952**
(b)	**From Pollution Control Facilities** (i) 25 TPH Distillery unit incineration boiler ash	**2786.69**	**5300**
(c)	**(1) Quantity Recycled or re-utilized within the unit**	**NA**	
	(2) Sold: 25 TPH Incineration Boiler Ash	**1546.70**	**3741**
	(3) Disposed (i) Fermenter sludge from Distillery unit (ii) 25 TPH Distillery unit incineration boiler ash	**597** **1240**	**952** **1559**

*Fermenter sludge provided to farmers for using as manure.

*Incineration boiler ash sold to M/s Ram Potash 3741 MT and balance ash provided to farmer for using as manure

Bindal Papers Ltd. (Unit: Sugar & Distillery) Vill. Changipur Dist. Bijnor (U.P.)

PART – F

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

Hazardous Waste	: Not Applicable
Constituents	: Not Applicable
Disposal	: Not Applicable
Mode of Disposal	: Not Applicable

PART – G

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

1. Total spent wash gainfully utilized in incineration boiler as a fuel.
2. We have made the spent wash lagoon by RCC to ensure no leakage.
3. Both lagoons RCC is protected by FRP based epoxy coating material.
4. The Process generated condensate treated in condensate polishing unit (CPU) & gainfully recycled in the process to conserve the ground water resource.
5. The sugar unit treated effluent utilized in distillery unit to conserve the ground water.

PART – H

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

1. We carried out regular monitoring of air, water and noise as per specified guidelines is being carried out.
2. We have installed the online continuous emission monitoring system.
3. We have installed the mass flow meters on the MEE inlet and MEE outlet.
4. We carried out the Occupational Health Surveillance programme is being organized and the record of the same is being kept accordingly.
5. For proper disposal and make sure the Zero liquid discharge the company has installed and efficiently operated the incineration boiler.

PART – I

Any other particulars for improving the quality of the environment.

The unit is committed to zero effluent discharge for which it is working for maximum resource conservation.. Since this distillery is a recent installation, action for further improving the quality of environment has been planned in the following areas:

i) Water conservation by reuse/ recycling of different streams of water.

ii) Occupational Health Surveillance and monitoring according to laid down parameters under Factories Act and to take corrective action in case of deviations.

iii) We have installed the full fledged fire fighting system including fire hydrants, water sprinkler system and foam flooding system.

Grindals Paper's Mills Ltd. (Unit Sugar & Distillery) Vill. Shergipur Dist. Bijnor (U.P.)

Annexure No. 1

REGIONAL LABORATORY BIJNORE
UTTAR PRADESH POLLUTION CONTROL BOARD

Maharshi Dayanand Nagar, Near St. Merry School,
Bijnor

Ref No. 29095397/Bijnore/2024

Stack Emission Test Report

Date: 27/11/2024

1- **Name & Address of Industry:** Bindals paper mills Ltd. Vill- Changipur , Bijnor
2- **Sample Collected By:** Mr. S.K.Tripathi (S.A.), Subash Chandra (J.R.F.)
3- **Date of Monitoring:** 21/11/2024
4- **Source of Sampling :** 25 TPH Boiler
5- **Stack attached to:** 25 TPH Boiler
6- **Stack Height:** 72 mtr
7 **Total No. of Boiler:** 01
8- **Capacity of Boiler:** 25 TPH
9- **Fuel used:** Baggasse, slop
10- **Quantity of Fuel used:** 94 ton Baggasse and 288 ton slop
11- **Flue Gas Velocity:** 8.4 m/s
12- **Air Pollution Control Device:** ESP
13- **Other remarks (if any):** -
14- **Further details of sample location and Test methods followed are appened overleaf:**

Sr no.	Parameter	Unit	Result	Standards
1	Particulate matter	mg/Nm3	44	50mg/Nm3
2	Sulphur dioxide	mg/Nm3	22	600mg/Nm3
3	Oxide of Nitrogen	mg/Nm3	64	300mg/Nm3

Note: The results in the Test Report relate only to the items tested. The Report shall not be reproduced-except in Full, without the written permission of laboratory.

27-11-2024

Analysed by-
[Abhishek Rajput JRF]

Authorised Signatory-

27/11/24

S K Tripathi (SA)

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

27/11/24

Regional Officer

Newcon Consultants & Laboratories
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TEST REPORT Annexure No. 2

TEST REPORT No. NCL/ED-014/28/02/25	DATE OF REPORT : 03/03/2025
Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: AMBIENT AIR		
Analysis Start Date	: 28/02/2025	Analysis End Date	: 03/03/2025
Date of Sampling	: 27/02/2025	Sampling Done By	: NCL
Time of Sampling	: 10:00 AM (27/02) TO 10:00 AM (28/02)	Sampling Location	: Near Stockyard
Sampling Protocol	: IS:5182		
		Sample ID No.	: NCL/ED-014/28/02/25
Sampling Flow Rate for Gases	: 0.5 LPM	Sampling Flow Rate of SPM (Average)	: 1.26 Mtr³/min
Sampling Duration	: 24 Hrs	Sampling Machine Placed at Height (from ground)	: 3.0 Mtr
Equipments Used	: Respirable Dust Sampler (PM10)+Fine Particulate Sampler (PM2.5) With Gaseous Attachment		

PHYSICAL OBSERVATIONS

Ambient Temperature	: 27°C	Wind Direction	: East to West
Weather Conditions	: Clear		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
1	Particulate Matters (Size Less Than 10µm) (PM10)	µg/m3	IS:5182 (Part 23)	80	For 24 Hrs=100
2	Particulate Matters (Size Less Than 2.5µm) (PM2.5)	µg/m3	NCL/AIR/STP-09	42	For 24 Hrs=60
3	Sulphur Dioxide (SO2)	µg/m3	IS:5182 (Part 2)	17.6	For 24 Hrs=80
4	Carbon Monoxide (CO)	mg/m3	IS:5182 (Part 10)	0.61	For 08 Hrs=02 For 1 Hrs =04
5	Nitrogen Dioxide (NO2)	µg/m3	IS:5182 (Part 6)	31.4	For 24 Hrs=80
6	Lead (Pb)	µg/m3	IS:5182 (Part 22)	BDL(DL-0.05)	For 24 Hrs=1.0
7	Ozone (O3)	µg/m3	IS:5182 (Part-9)	20.5	For 8 Hrs=100 For 1 Hr=180
8	Ammonia (NH3)	µg/m3	NCL/AIR/STP-13	BDL(DL-20.0)	For 24 Hrs=400
9	Benzene (C6 H6)	µg/m3	IS:5182 (Part-11)	BDL(DL-1.0)	For Annual=05
10	Benzo (a) Pyrene (BaP)	ng/m3	IS:5182 (Part-12)	BDL(DL-0.1)	For Annual=01

ED-014/28/02/25-1

FOR NEWCON CONSULTANTS & LABORATORIES

Checked by Section In charge Arvind Choudhary Sr. Analyst

Authorized Signatory

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TEST REPORT No. NCL/ED-014/28/02/25

DATE OF REPORT : 03/03/2025

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
11	Arsenic (As)	ng/m3	NCL/AIR/STP-19	BDL(DL-1.0)	For Annual=06
12	Nickel (Ni)	ng/m3	NCL/AIR/STP-17	BDL(DL-5.0)	For Annual=20

Remarks : BDL=Below Detection Limit.

End of Report

Bilaspur Paper Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

ED-014/28/02/25-2

Arvind Choudhary
Checked by

FOR NEWCON CONSULTANTS & LABORATORIES

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TEST REPORT

TEST REPORT No. NCL/ED-013/28/02/25 — **DATE OF REPORT :03/03/2025**

Name and Address of Customer

M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT)
Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: AMBIENT AIR	Analysis End Date	: 03/03/2025
Analysis Start Date	: 28/02/2025	Sampling Done By	: NCL
Date of Sampling	: 27/02/2025	Sampling Location	: Near Boiler Area
Time of Sampling	: 10:00 AM (27/02) TO 10:00 AM (28/02)		
Sampling Protocol	: IS:5182		
Sampling Flow Rate for Gases	: 0.5 LPM	Sample ID No.	: NCL/ED-013/28/02/25
Sampling Duration	: 24 Hrs	Sampling Flow Rate of SPM (Average)	: 1.27 Mtr^3/min
Equipments Used	: Respirable Dust Sampler (PM10)+Fine Particulate Sampler (PM2.5) With Gaseous Attachment	Sampling Machine Placed at Height (from ground)	: 3.0 Mtr

PHYSICAL OBSERVATIONS

Ambient Temperature	: 27°C	Wind Direction	: East to West
Weather Conditions	: Clear		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
1	Particulate Matters (Size Less Than 10µm) (PM10)	µg/m3	IS:5182 (Part 23)	84	For 24 Hrs=100
2	Particulate Matters (Size Less Than 2.5µm) (PM2.5)	µg/m3	NCL/AIR/STP-09	45	For 24 Hrs=60
3	Sulphur Dioxide (SO2)	µg/m3	IS:5182 (Part 2)	18.1	For 24 Hrs=80
4	Carbon Monoxide (CO)	mg/m3	IS:5182 (Part 10)	0.64	For 08 Hrs=02 For 1 Hrs =04
5	Nitrogen Dioxide (NO2)	µg/m3	IS:5182 (Part 6)	32.2	For 24 Hrs=80
6	Lead (Pb)	µg/m3	IS:5182 (Part 22)	BDL(DL-0.05)	For 24 Hrs=1.0
7	Ozone (O3)	µg/m3	IS:5182 (Part-9)	20.8	For 8 Hrs=100 For 1 Hr=180
8	Ammonia (NH3)	µg/m3	NCL/AIR/STP-13	BDL(DL-20.0)	For 24 Hrs=400
9	Benzene (C6 H6)	µg/m3	IS:5182 (Part-11)	BDL(DL-1.0)	For Annual=05
10	Benzo (a) Pyrene (BaP)	ng/m3	IS:5182 (Part-12)	BDL(DL-0.1)	For Annual=01

ED-013/28/02/25-1

JITENDER
Section Incharge
Checked by

Arvind Choudhary
Sr Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Lab Head

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TEST REPORT No. NCL/ED-013/28/02/25

DATE OF REPORT :03/03/2025

S.No.	Test Parameters	Units	Test Method	Results	Specification As per CPCB
11	Arsenic (As)	ng/m3	NCL/AIR/STP-19	BDL(DL-1.0)	For Annual=06
12	Nickel (Ni)	ng/m3	NCL/AIR/STP-17	BDL(DL-5.0)	For Annual=20

Remarks : BDL=Below Detection Limit.

End of Report

Bindals Papers Ltd. (Unit Sugar & Distillery) Vill. Changipur Distt. Bijnor (U.P.)

ED-013/28/02/25-2

Arvind Choudhary
Checked By Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Lab Head
Authorized Signatory

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Annexure No. 3

TEST REPORT

TEST REPORT No. NCL/ED-015/28/02/25 DATE OF REPORT : 03/03/2025

Name and Address of Customer: M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT)
Village - Changipur, District - Bijnor

SAMPLING DETAIL

Sample Name	: Ambient Noise		
Analysis Start Date	: 28/02/2025	Analysis End Date	: 28/02/2025
Date of Monitoring	: 27/02/2025	Monitoring Done By	: NCL
Monitoring Duration	: 24 Hrs	Place of Monitoring	: Near Boiler Area
Time of Monitoring	: 10:30 AM (27/02) TO 10:30 AM (28/02)	Protocol	: NCL/AIR/STP/20
Category of Area	: Industrial Area		

OBSERVATIONS

Observation No.	1	2	3	4	5	6	7	8	9	10
Day Time Reading (dB(A)	62.8	63.3	63.9	64.2	64.5	65.1	65.6	66.2	66.7	67.4
Night Time Reading (dB(A)	52.7	53.2	53.8	54.3	54.9	55.2	55.6	56.1	56.7	57.2

TEST RESULT

S.No.	Test Parameter	Results	Specification As Per CPCB
Day Time Noise Level			
1	Average Noise Level	65.0	-
2	L Max	67.4	-
3	L Min	62.8	-
4	Day Leq	65.2	75.0 Max
Night Time Noise Level			
5	Average Noise Level	55.0	-
6	L Max	57.2	-
7	L Min	52.7	-
8	Night Leq	55.2	70.0 Max

End of Report

Remarks : >Day time reckoned between 6:00AM To 10:00PM.
>Night time reckoned between 10:00PM To 06:00AM.

ED-015/28/02/25-1

JITENDER
Section Incharge
Checked by

Bindals Papers Mills Ltd. (Unit Sugar & Distillery) Vill. Changipur Dist. Bijnor

FOR NEWCON CONSULTANTS & LABORATORIES

VASHISHT SOLANKI
Authorised Signatory

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TEST REPORT

TEST REPORT No. NCL/ES-AAQ/250125 DATE OF REPORT :30/01/2025

Name and Address of Customer	M/S BINDALS PAPERS MILLS LTD. (SUGAR UNIT) Village - Chandpur, District - Bijnor

SAMPLING DETAIL

Sample Name : Ambient Noise
Analysis Start Date : 28/01/2025
Date of Monitoring : 27/01/2025
Monitoring Duration : 24 Hrs

Analysis End Date : 28/01/2025
Monitoring Done By : NCL
Place of Monitoring : Near Stockyard
: NCL/AIR/STP/20

Time of Monitoring : 10:30 AM (27/01) TO 10:30 AM (28/01) Protocol
Category of Area : Industrial Area

OBSERVATIONS

Observation No.	1	2	3	4	5	6	7	8	9	10
Day Time Reading (dB(A))	63.8	64.1	64.5	65.3	65.9	66.2	66.7	67.2	67.7	68.1
Night Time Reading (dB(A))	52.8	53.4	54.1	54.7	55.3	55.9	56.2	56.8	57.1	57.6

TEST RESULT

S No.	Test Parameter	Results	Specification As Per CPCB
Day Time Noise Level			
1	Average Noise Level	65.9	-
2	L Max	68.1	-
3	L Min	63.8	-
4	Day Leq	66.1	75.0 Max
Night Time Noise Level			
5	Average Noise Level	55.4	-
6	L Max	57.6	-
7	L Min	52.8	-
8	Night Leq	55.6	70.0 Max

End of Report

Remarks : >Day time reckoned between 6:00AM To 10:00PM.
>Night time reckoned between 10:00PM To 06:00AM.

ED-016/28/02/25-1

Checked by

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory

1. The test report refers only to the particular sample/s submitted for testing and listed parameters.
2. Endorsement of the same is neither inferred nor implied.
3. Laboratory shall maintain the confidentiality of all information related to the samples & test reports.
4. Complaints about this report should be communicated within 10 days of the issue date of this report.
5. The report is not to be produced wholly or in part without prior permission of the Managing Partner. **All disputes subject to Ghaziabad Jurisdiction.**

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