

**BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL  
BENCH, NEW DELHI**

**ORIGINAL APPLICATION NO. 12 OF 2023**

**IN THE MATTER OF:**

**ALOK KUMAR MISHR & ANR.**

**.... PETITIONER**

**Versus**

**STATE OF U.P. & ORS.**

**.... RESPONDENTS**

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**NEW DELHI:**  
**DATED: 11.12.2024**



**(PRADEEP MISRA & DALEEP DHYANI)**

Counsel for U.P. Pollution Control Board.

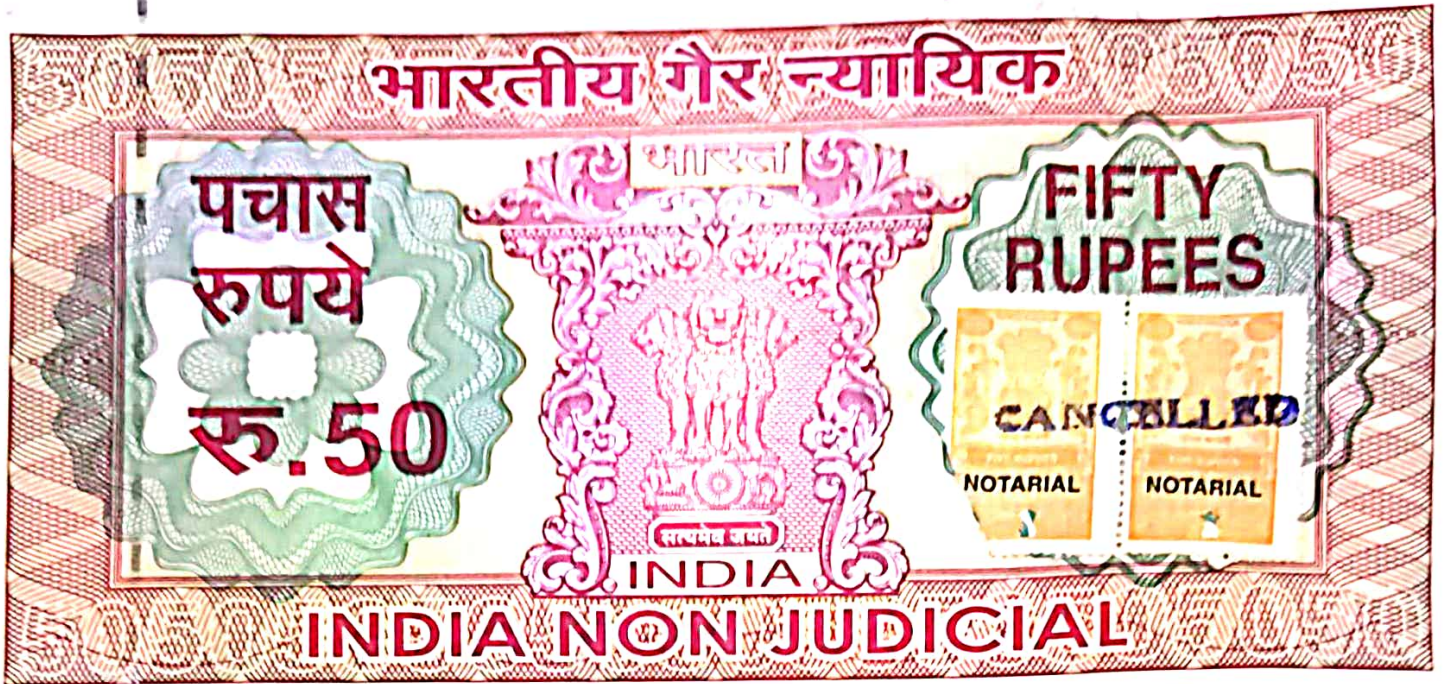
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उत्तर प्रदेश UTTAR PRADESH

CM 191376



BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,  
PRINCIPAL BENCH, NEW DELHI

Original Application No. 12 of 2023

IN THE MATTER OF:  
ALOK KUMAR MISHR  
STATE OF U.P. & ORS.

....APPLICANT  
VERSUS  
....RESPONDENT(s)

ACTION TAKEN REPORT ON BEHALF OF THE  
RESPONDENT NO- 1, UTTAR PRADESH POLLUTION  
CONTROL BOARD IN COMPLIANCE OF THE ORDER  
DATED 05.08.2024 PASSED BY THE HON'BLE NATIONAL  
GREEN TRIBUNAL, PRINCIPAL BENCH, NEW DELHI

I, Dr. Triloki Nath Singh aged about 59 years S/o Late Basudeo Singh presently posted as Regional Officer, Uttar Pradesh Pollution Control Board (hereinafter referred to as UPPCB), Ayodhya do hereby solemnly affirm and state on oath as under:

1. That in the abovementioned capacity I am fully conversant with the facts of the case and am competent and authorized to swear the present Affidavit.

2. That this Hon'ble National Green Tribunal, Principal Bench, New Delhi (hereinafter referred to as Hon'ble Tribunal) vide its order dated 05.08.2024 has passed the following directions:

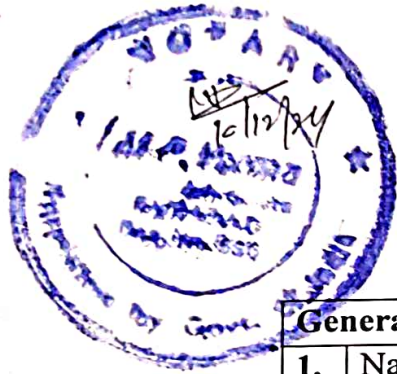
"...7. *Learned Counsel for UPPCB also seeks time to get the unit inspected in the light of the response dated 26.07.2024, submitted by the Respondent No. 3 & 4 ascertain the extent of compliance of recommendation of the Joint Committee by these unit and submit a fresh action taken report. In the fresh action taken report the UPPCB will also give the details concerning the issue of dilution of SRS effluent containing high sulphate before entering the ETP and its effect.*"



8. *UPPCB will also submit a report in respect of the compliance of norms relating to the green belt and utilization of CSR and CER.*
9. *Learned Counsel for the Project Proponent submits that the proposal relating to rainwater harvesting collection has also been submitted. It will be open to UPPCB to examine the same in accordance with law...*"
3. That in compliance to the order dated 05.08.2024 passed by this Hon'ble Tribunal, the unit was inspected by the officials of Regional Office, Ayodhya on 28.11.2024. During

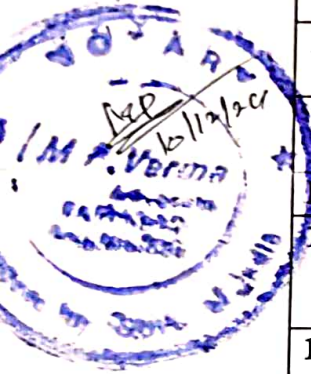
inspection the sugar as well as distillery unit of M/s Balrampur Sugars Limited, Datauli, Mankapur, District-Gonda was found operational. Waste water samples of the Sugar Unit before treatment and after treatment were collected and have been sent to the authorized laboratory of Uttar Pradesh Pollution Control Board, Lucknow for analysis. The result has been annexed as Annexure No-R1/1. The important features of both the units has been described in tabular form as below-

(A)- M/s Balrampur Chini Mills Limited (Sugar Division):



General Information		
1.	Name of the unit and Address-	M/s Balrampur Chini Mills Ltd., Unit:Mankapur, Village & P.O: Datauli, Tehsil: Mankapur, Distt; Gonda Uttar Pradesh-271306
2.	Name of the Proprietor/ Contact person- Designation Contact No.	Sri Neeraj Bansal (C.G.M) Mobile No. 7080402301 Email:neeraj.bansal@bcml.in
3.	Year of Comm.	2006
4.	Sector	Private
5.	Cane Crushing capacity	8000 TCD
6.	Cane crushed	1044793.65 Ton (16.11.2023 to 14.04.2024)
7.	Sugar produced	120121.91 Ton (16.11.2023 to 14.04.2024)
8.	Molasses generation	50209.5 Ton (16.11.2023 to 14.04.2024)
9.	Press Mud generation	45002.45
Water Pollution and its Control		
10.	Water Supply Source Water Consumption (KLD)	Bore wells (Nos.-03)

	(Avg. of Crushing season 2023-2024) ➤ Industrial ➤ Domestic	➤ Approx. 16630 KLD ➤ Approx. 194 KLD
11.	Waste Water Generation(KLD)- (Avg. of crushing season 2023-2024) ➤ Industrial ➤ Domestic	➤ Approx. 1193 KLD ➤ Approx 194 KLD
12.	Waste Water treated (KLD)- (Avg. of crushing season 2023-2024) ➤ Industrial ➤ Domestic	➤ Approx. 1174 KLD ➤ Approx. 194 KLD
13	Details of ETP	Mentioned in observation
14.	Mode of Disposal of treated effluent	Ferti-irrigation, Gardening, Baggasse wetting, etc through pipeline.
15.	Flow measuring device installed at outlet of ETP	"Yes" Electromagnetic Flow meter
16.	Status of Consent under the Water Act-1974	Valid till 31.12.2025
<b>Information regarding Ferti-Irrigation</b>		
17.	Details of treatment of effluent before ferti-irrigation	Treated through ETP
18.	Command area for irrigation (available and area)	216.59 Hectare (Farmers Land-204.85 Hectare and Factory Land-11.74 Hectare)
19.	System of transportation of treated effluent up to field.	Through effluent is stored in 01 lagoon (Capacity 18000 KL) (for 15 days storage)
20.	Formal agreements with farmers for using treated effluent	Yes
21.	Storage facility available for treated effluent being used for Ferti-irrigation	Storage tank
<b>Pollution and its Control</b>		
22.	Sources of air Pollution	Boilers&2 Nos. (2x 90 TPH)
23.	Type of Fuel used with consumption	Baggasse (Approx.1752 TPD)



24.	Stack details with APCS	Stack of Height 65 meters with APCS installed i.e, Electro Static Precipitator (ESP)
25.	Status of Consent under the Air Act-1981	Valid till 31.12.2025
<b>Waste Management</b>		
26.	Type & Quantity of Waste Generated (In crushing season 2023-24)	<ul style="list-style-type: none"> <li>➤ ETP Sludge-332.31 Ton</li> <li>➤ Press Mud-45002.45 Ton</li> <li>➤ Boiler ash-6094.44 Ton</li> <li>➤ Used oil-2.93 Ton</li> </ul>
27.	Disposal of Storage/Disposal	<ul style="list-style-type: none"> <li>➤ Press Mud-Used for making pallets</li> <li>➤ Boiler ash-Boiler Ash is being used in granulation plant</li> <li>➤ Used oil-used oil sent to Bharat Oil &amp; Waste management Limited.</li> <li>➤ ETP Sludge-Dispose off on Land as Manure</li> </ul>
28.	Disposal of waste	As Above
29.	Status of Grant of authorization of Hazardous Waste	Valid up to 11.04.2028

**(B)- M/s Balrampur Chini Mills Limited (Distillery Division):**

01.	Present Production	NIL
	Raw materials & their requirements	Molasses- 4060 Qts/day
<b>Water Pollution and its Control</b>		
01	Water Supply Source Water Consumption (KLD) Water Consumption (KLD) a. Industrial b. Domestic	Bore wells (02 no.) Avg. of September,2024-531 KLD 521 KLD 10 KLD
02.	Waste Water Generation (KLD) (Avg. of September,2024) a. Industrial	<ul style="list-style-type: none"> <li>• 747</li> <li>• Spent Leese-90</li> <li>• Process Condensate (MEE)-652</li> <li>• Floor washing-16</li> </ul>

	b. Domestic	<ul style="list-style-type: none"> <li>• Cooling tower blow down-156</li> <li>• DM plant reject-12</li> <li>• Other (CPU RO Reject)-74</li> <li>• Spent wash generation-7.54</li> </ul>
3.	Waste water treated(KLD) I. Industrial  II. Domestic	<ul style="list-style-type: none"> <li>• Spent Wash-747 M3/day MEE</li> <li>• Spent Lees- 90 M/day</li> <li>• Fermenter washing-17 M3 day</li> <li>• Process condensate (MEE)-652 M</li> <li>• Floor washing-16 M3/Day</li> <li>• Cooling tower blow down-156M3/day CPU</li> <li>• DM plant reject 12 M/Day</li> <li>• Spent wash generation-7.54KL/KL</li> <li>• Other effluent-NA</li> </ul>
4.	Details of ETP	<ul style="list-style-type: none"> <li>• For spent wash management</li> <li>• Settling Tank</li> <li>• Lagoon-5600m3</li> <li>• Slope Fired Boiler</li> </ul> <p>For other process effluent</p> <ul style="list-style-type: none"> <li>• Equalization tank</li> <li>• Buffer tank- 300 m3</li> <li>• UASBR- 2784 m3</li> <li>• Aeration tank-1392 m3</li> <li>• Secondary Clarifier-203 m3</li> <li>• Multi Grade Filter (ACF)</li> <li>• Process Water Tank 58 m3</li> <li>• UV System</li> <li>• Ultra-Filtration</li> <li>• RO Plant</li> </ul>
5.	Mode of Disposal of treated effluent	Concentrated spent wash is incinerated in slope fired boiler and other process effluent is treated in



		CPU and reused in Cooling Tower make up as well as Fermentation.
6.	Status of disposal of treated effluent	Concentrated spent wash is incinerated in slope fired boiler and other process effluent is treated in CPU and reused in Cooling Tower make up as well as Fermentation.
<b>Air Pollution and its Control</b>		
1.	Source of Air Pollution	Slope fired boiler with capacity -45 TPH
2.	Type of Fuel used with consumption Stack details with APCS	Slope and baggasse( 15.12 TPH and 9.0 TPH) Stack (height approx.88m) followed by Bag Filter as APCD
3.	Status of Consent under the Air Act-1981	Valid from 01.01.2024 to 31.12.2025
<b>Waste Management</b>		
1.	Type of waste Generated	Fermentation sludge and Boiler Ash
2.	Facility of Storage/Disposal	Fermentation sludge-send to granular plant for making fertilizer Boiler Ash send to granular plant for making fertilizer
	Disposal of waste	Fermentation sludge-Send to granular plant for making fertilizer  Boiler Ash-Send to Granular plant for making fertilizer

4. That in compliance of the order/direction at point No-7, unit has informed that new SRS plant has been purchased and installed before initiation of the current sugar season. The photograph of the new SRS plant is attached for reference and has been annexed as Annexure No-R1/2.

5. That the waste water samples were collected before SRS plant and after SRS plant and has been submitted in the Central Laboratory, U.P. Pollution Control Board, Lucknow for analysis. As per analysis report, the sulfur content after SRS plant has been found lower from the inlet of the SRS plant. The analysis report has been annexed as Annexure No-R1/3.
6. That in compliance of the order/direction at point No-8, unit has informed and submitted documents to show the utilization of CSR and CER funds allocated for betterment of environment as well as mandatory bearing of social responsibility. The fund utilized in both the responsibilities has been shown in tabular form as below:-



ESC : Entprises Social Commitment  
 CER : Corporate Environment Responsibility  
 CSR : Corporate Social Responsibility

## Details of CSR, CER &amp; ESC expenses :-

ANNEXURE -1

## BCML GROUP

Particulars	2019-20		2020-21		2021-22		2022-23		2023-24		Total	
	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent
Agri	578.32	550.05	391.77	373.95	332.60	334.73	356.77	357.04	310.99	311.20	1970.45	1926.97
Non-Agri	344.87	326.68	217.38	202.18	194.50	189.20	193.26	170.17	375.16	309.60	1325.17	1197.83
ESC (Babhnan Unit)			175.00	151.91	194.55	153.43					369.55	305.34
CER **			100.00	99.98	342.00	346.89	1053.17	784.00	571.03	558.93	2066.20	1789.79
CGWA	281.18	230.29	87.47	56.64	38.79	32.33					407.44	319.27
COVID-19			134.87	133.64	1.00	1.00					135.87	134.64
TOTAL	1204.37	1107.02	1106.49	1018.30	1103.44	1057.58	1603.20	1311.21	1257.18	1179.73	6274.68	5673.84

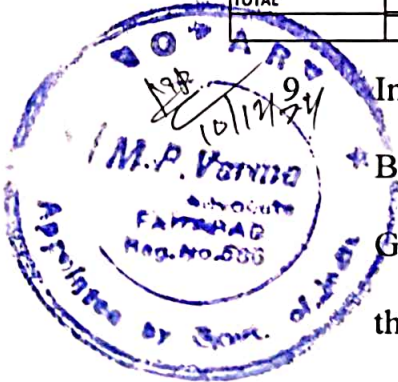
## MANKAPUR UNIT - CSR EXPENSES

Particulars	2019-20		2020-21		2021-22		2022-23		2023-24		Total	
	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent
Agri	49.94	42.83	43.93	39.67	26.21	26.23	40.20	42.11	27.74	27.74	188.02	178.58
Non-Agri	18.10	17.94	13.04	13.26	7.79	7.97	2.58	2.56	30.72	32.59	72.22	74.32
ESC											0.00	0.00
CER											0.00	0.00
CGWA(4 Nos.Pond)	56.02	45.76	10.26	10.06	5.00	4.36					71.28	60.19
COVID-19			10.00	10.00							10.00	10.00
TOTAL	124.06	106.53	77.23	72.99	39.00	38.57	42.78	44.67	58.46	60.33	341.52	323.09

## \*\* Expenses of CER in last 4 Years

Name of Unit	2019-20		2020-21		2021-22		2022-23		2023-24		Total	
	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent	Sanction	Spent
BLP							350.00	315.53	38.17	38.75	388.17	354.28
BBN							46.72	46.55			46.72	46.55
GCM			100.00	99.98	242.00	241.73	306.60	307.11	297.20	299.97	945.80	948.79
MZP					100.00	105.15	349.85	114.81	235.66	220.21	685.51	440.17
TOTAL	0.00	0.00	100.00	99.98	342.00	346.88	1053.17	784.00	571.03	558.93	2066.20	1789.79

In the compliance of the point No- 9, it is informed that M/s Balrampur Chini Mills Limited, Datauli, Mankapur, District-Gonda has submitted the rain water collection reuse plan. As per this plan submitted by the said unit, the abandoned tank in bio composting area for which Hon'ble Tribunal had directed and level the ground area. The tanks have been proposed to be used as rain water collection tank to reuse of rain water in different purposes which shall save the ground water abstraction as per proposal



submitted by the unit is attached herewith for reference and it has been annexed as Annexure No-R1/4.

As per proposal submitted by the unit, the shed area and rain water collection and reuse system has been calculated as below:-

**Calculation sheet of Rain Water collection and reuse system:-**

1- Total roof area inside the factory premises = 21665 sqm.

2- Total average rain per annum (as per nearest airport data)= 1.151 meter.

3- Total rain water per annum collection capacity= (Total roof area in M<sup>2</sup>) x (Average rain fall in meter) = 21665 M<sup>2</sup> x 1.151M = 24936.4 M<sup>3</sup>

**Capacity of collection system-**

(a) Collection capacity of Lagoon No- 1

A- Length- 87 Meter

B- Wide- 48 Meter

C- Depth- 4.3 Meter

Total volume= (AxBxC)= 17957 M<sup>3</sup> or say 18000 M<sup>3</sup>

(b) Collection capacity of Lagoon No- 2

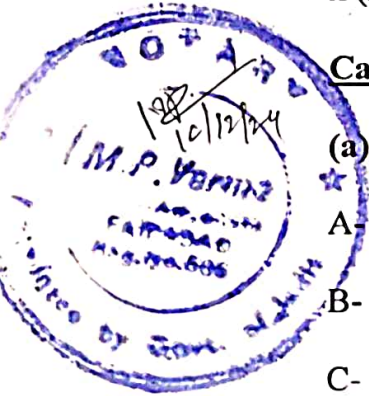
A- Length- 87 Meter

B- Wide- 48 Meter

C- Depth- 4.3 Meter

Total volume= (AxBxC)= 17957 M<sup>3</sup> or say 18000 M<sup>3</sup>

**Total collection capacity of lagoon No- 1 and Lagoon No- 2.**



$$= 18000 \text{ M}^3 + 18000 \text{ M}^3$$

$$= 36000 \text{ M}^3$$

The rain water on the shed and over the tanks are less than the volume of the tanks, hence it is appropriate for collection of the rain water and if it is used in the industrial system the Ground Water may be withdrawn less than the present abstraction. ✓

Apart from the facts mentioned above, the following directions of the Hon'ble Tribunal from time to time have also been found complied-

**i. Spiral ladder in the chimney for monitoring of stack emission** ✓

Unit has installed spiral ladder has been installed in all the chimneys of sugar as well as distillery unit of M/S Balrampur Sugar Mills Limited. The photographs of the chimneys have been annexed as Annexure No-R1/5. ✓

**ii. Irrigation pipe line of treated water of the ETP.**

The ETP treated water irrigation pipe line was passing through the open drains which has been removed from their and has been relocated in new route. The photographs of the pipe line has been annexed as Annexure No-R1/6. ✓

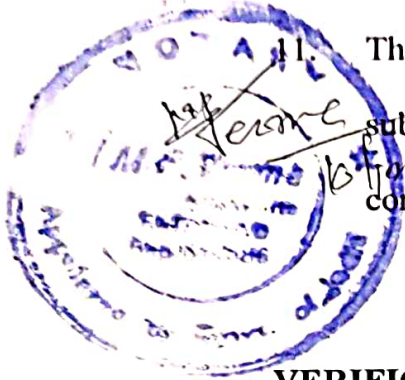
**iii. Demarcation line** ✓



The demarcation of the highest level of spent wash in the lagoon has been marked. The photograph of the demarcation has been annexed as Annexure No-R1/7.

10. That the annexure annexed to the present accompanying Affidavit is true copy of their respective original.

11. That the above response of Uttar Pradesh Pollution Control Board is submitted before this Hon'ble Tribunal for kind perusal and consideration.



*con/c*  
*10/12/2024*  
DEPONENT

**VERIFICATION:**

Verified at Ayodhya on this 10<sup>th</sup> day of December, 2024 that the contents of the above affidavit are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom.

*con/c*  
*10/12/2024*  
DEPONENT

*Dr. Triloki Nath Singh*  
self  
*10/12/2024*



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
Building, No TC-12A Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Date: 06/12/2024

Ref No: 29221205/Faizabad/2024

- 1- Name of Industry: BAL RAMPUR CHINI MILLS LIMITED UNIT MANKAPUR SUGAR DIVISION, village - Datanli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 2- Address of Industry: village - Datanli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 3- District: Gonda
- 4- Description about sampling point: Inlet of ETP
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: -
- 8- Quantity and Packing: 2 ltrs and 11 ltrs plastic and 1 glass bottles (1 ltrs)
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	10.61	-	02-12
*Oil Grease	mg/l	13.0	-	-
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	112.0	-	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	1948.0	-	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	2060.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
Lead, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.02-1000mg/l
Iron, APHA 24th Ed 3111-B: 2023	mg/l	0.6999	-	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	70.0	-	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	264.0	-	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: [www.epcb.nic.in/GeneralStandards.pdf](http://www.epcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Reeta Keshav

Remark: NA

Analysed by-  
[Dr Mamta Pandey(SA)]

Authorized by  
Reeta Keshav Digitally signed by Reeta Keshav  
DN: cn=Reeta Keshav, o=MOEF, ou=MOEF  
Reeta Keshav (ASO)

IMRAN  
AHMAD  
KHAN  
Chief Environmental Officer  
Central Laboratory  
Digitally signed by  
IMRAN AHMAD KHAN  
Date: 2024.12.05  
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General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass R50 micron IS Sieve	-	-	(a) Filterable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease- Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH3) mg/l,Max	100	-	-	100
11	Free ammonia (as NH3)mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand [1 3 days at 27°C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2(***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C6H5OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	*	*	*	*

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993
2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.
3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.
4. Besides these standards, refer EPA standards for specific industry Source (1) <https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>  
(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29221151/Faizabad/2024

Date: 09/12/2024

- 1- Name of Industry: BAI RAMPUR CHINI MILLS LIMITED UNIT MANKAPUR SUGAR DIVISION, village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 2- Address of Industry: village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 3- District: Gonda
- 4- Description about sampling point: Final outlet of ETP
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: I N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: --
- 8- Quantity and Packing: 2 Ltrs and 11 Ltrs plastic and 1 glass bottles (1 Ltrs)
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	8.43	5.5-8.5	02-12
*Oil Grease	mg/l	2.8	10	-
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	26.0	30	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	1157.0	2100	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	1183.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed 3111-B: 2023	mg/l	ND	2.0	0.01-1000mg/l
Lead, APHA 24th Ed 2024 3111-B: 2023	mg/l	ND	0.1	0.02-1000mg/l
Iron, APHA 24th Ed 3111-B: 2023	mg/l	0.2348	3.0	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	3.0	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	5.0	0.01-1000mg/l
BOD, APHA 24th Ed 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	13.0	30	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	54.0	250	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI), The Environment (Protection) Rules, 1986 source- [www.cpcb.mcrn.org/GeneralStandards.pdf](http://www.cpcb.mcrn.org/GeneralStandards.pdf) Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced except in full, without the written permission of laboratory. 3. The test report pertains to the sample as

received in Lab

Reeta Keshav

Remark: NA

Analysed by-  
[Dr Mamta Pandey(SA)]

Authorized by  
IMRAN Digitally signed by  
AHMAD KHAN IMRAN AHMAD KHAN  
Reeta Keshav(ASO) Date: 2024.12.29

Chief Environmental Officer  
Central Laboratory

General Standards for Discharge of Environmental Pollutants Part -A: Effluents (Schedule - VI) The Environment(Protection) Rules, 1986

Sl. No.	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water. 100(b) For cooling water effluent 10 percent above total suspended matter of influent
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Filterable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr(6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2(***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials. (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials. (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	*	*	*	*

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.
2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.
3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R. 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.
4. Besides these standards, refer EPA standards for specific industry Source (1):  
<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>  
 (2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29222113/Faizabad/2024

Date: 06/12/2024

- 1- Name of Industry: M/s Balrampur Chini Mills Ltd ,Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Equalisation tank
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	3.74	-	02-12
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	268.0	-	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	2419.0	-	10- 50000 mg/l
Total Solids, APHA 24th Ed.2540 B: 2023	mg/l	2687.0	-	10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	256.0	-	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	761.6	-	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules,1986 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-  
[Rajesh Agarwal (SA)]

Authorized by  
Reeta Keshav  
Reeta Keshav (ASO)

Digitally signed by Reeta Keshav  
Date: 2024.12.06 14:27:24

IMRAN AHMAD  
Chief Environmental Officer  
Central Laboratory

Digitally signed by IMRAN AHMAD KHAN  
Date: 2024.12.06

**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.
2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.
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<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkcy5wZGY=>  
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**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29222192/Faizabad/2024

Date: 06/12/2024

- 1- Name of Industry: M/s Balrampur Chini Mills Ltd ,Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Aeration tank
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
*MLSS, APHA 24th Ed. 2540D dried at 103-105 °C as method prescribed by CPCB 2023	mg/l	3192.0	-	10-20000
*MLVSS, APHA 24th Ed. 2540E dried at 550 °C 2023	mg/l	2440.0	-	10-20000

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

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Remark: NA

**Analysed by-**  
**[Rajesh Agarwal (SA)]**

**Authorized by**  
 Digitally signed by Reeta Keshav  
 Reeta Keshav  
 Date: 2024.12.06 14:29:25  
 Reeta Keshav (ASO)

**IMRAN**  
 Digitally signed by  
 IMRAN AHMAD KHAN  
 Date: 2024.12.06  
 AHMAD KHAN  
 Chief Environmental Officer  
 Central Laboratory

**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatablea solids, max. 3 mm
4	2(***)	•	•	•	•
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH3) mg/l,Max	100	-	-	100
11	Free ammonia (as NH3)mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Murcury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C6H5OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkcy5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)

Revised corrected copy

**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

**TEST REPORT: WASTE WATER LABORATORY**

Date: 06/12/2024

Ref No: 20222215/Faizabad/2024

- 1- Name of Industry: M/s Balrampur Chini Mills Ltd, Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Outlet of CPU
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs and 2 Ltrs plastic jerician
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.14	-	02-12
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	78.0	-	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	1896.0	-	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	1974.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
Lead, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.02-1000mg/l
<i>Rule?</i> Iron, APHA 24th Ed 3111-B: 2023	mg/l	0.3779	-	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	38.0	-	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	144.0	-	5.0 -100000 mg/l

Reference: (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986

Source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as

received in Lab

Reeta Keshav

Remark: NA

**Analysed by-**  
**[Rajesh Agarwal (SA), Jyoti Tiwari**  
**(SA)]**

**Authorized by**  
**Reeta Keshav** Digitally signed by Reeta Keshav  
Date: 2024.12.06 16:34:48 +05'30'  
**Reeta Keshav (ASO)**

**IMRAN** Digitally signed by  
IMRAN AHMAD KHAN  
**AHMAD KHAN** Date: 2024.12.06  
16:34:58 +05'30'  
**Chief Environmental Officer**  
**Central Laboratory**

**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Murcury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkcy5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29221946/Faizabad/2024

Date:06/12/2024

- 1- Name of Industry: M/s Balrampur Chini Mills Ltd ,Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Outlet of RO
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.22	5.5-9.0	02-12
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	12.0	100	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	60.0	2100	10- 50000 mg/l
Total Solids, APHA 24th Ed.2540 B: 2023	mg/l	72.0	-	10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	3.0	30	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	44.0	250	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules,1986 source: [www.epcb.nic.in/GeneralStandards.pdf](http://www.epcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-  
[Rajesh Agarwal (SA)]

Authorized by  
Digitally signed by Reeta Keshav  
Reeta Keshav  
Date: 2024.12.06 16:58:00  
Reeta Keshav (ASO)

IMRAN  
AHMAD  
KHAN  
Chief Environmental Officer  
Central Laboratory  
Digitally signed by  
IMRAN AHMAD KHAN  
Date: 2024.12.06  
16:58:08 +05'30'

General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatablea solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Murcury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2(***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkcy5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29222061/Fazabad/2024

Date: 06/12/2024

- 1- Name of Industry: M/s Dalrampur Chini Mills Ltd, Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Inlet of M.E
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: -
- 8- Quantity and Packing: 2 Ltrs and 2 Ltrs plastic jerrican
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Fazabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	4.35	-	02-12
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	18000.0	-	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	62000.0	-	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	80000.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
Lead, APHA 24th Ed 3111-B: 2023	mg/l	ND	-	0.02-1000mg/l
Iron, APHA 24th Ed 3111-B: 2023	mg/l	124.84	-	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	30.95	-	0.01-1000mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44) 1993 Bio 2023	mg/l	60000.0	-	10 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	164000.0	-	5.0 -100000 mg/l

Reference: (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI) The Environment (Protection) Rules, 1986 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf) Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters

Note: 1. The results in this Test Report relate only to the items tested. 2. The report shall not be reproduced except in full, without the written permission of laboratory. 3. The test report pertains to the sample as

received in Lab:

Reeta  
Keshav

Digitally signed by  
Reeta Keshav  
Date: 2024.12.06  
17:53:11 +05'30'

Remark: NA

Analysed by-  
[Jyoti Tiwari (SA), Rajesh Agarwal  
(SA)]

Reeta Keshav  
Authorized by  
Reeta Keshav  
Date: 2024.12.06  
Reeta Keshav (ASO) 05:30'

IMRAN  
AHMAD KHAN  
Chief Environmental Officer  
Central Laboratory  
Digitally signed by  
IMRAN AHMAD KHAN  
Date: 2024.12.06  
17:53:00

**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH3) mg/l,Max	100	-	-	100
11	Free ammonia (as NH3)mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand 1[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2(***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C6H5OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.
2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.
3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.
4. Besides these standards, refer EPA standards for specific industry Source (1):  
<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>  
(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)

Revise corrected copy

**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29222020/Faizabad/2024

Date: 06/12/2024

- 1- Name of Industry: M/s Balrampur Chini Mills Ltd, Distillery Mankapur, Dautali Teh Mankapur Gonda
- 2- Address of Industry: Dautali Teh Mankapur Gonda
- 3- District: Gonda
- 4- Description about sampling point: Outlet of ME
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs and 2 Ltrs plastic jerican
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	4.68	-	02-12
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	52000.0	--	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	94000.0	-	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	146000.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
Lead, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.02-1000mg/l
<i>Reeta</i> Iron, APHA 24th Ed. 3111-B: 2023	mg/l	0.0202	-	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	-	0.01-1000mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	230000.0	-	1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	605600.0	-	5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1988 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note: 1. The results in the Test Report relate only to the items tested. 2. The report shall not be reproduced except in full, without the written permission of laboratory. 3. The test report pertains to the sample as

received to Lab.

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Remark: NA

**Analysed by-**  
[Rajesh Agarwal (SA), Jyoti Tiwari  
(SA)]

**Authorized by**  
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Keshav  
Date: 2024.12.06 17:54:53  
Reeta Keshav (ASO)

IMRAN  
AHMAD  
Khan Environmental Officer  
Central Laboratory

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IMRAN AHMAD KHAN  
Date: 2024.12.06  
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**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatablea solids, max. 3 mm
4	2(***)	•	•	•	•
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Murcury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	•	•	•	•
25	2(***)	•	•	•	•
26	2(***)	•	•	•	•
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	•	•	•	•
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkcy5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29221104/Faizabad/2024

Date: 09/12/2024

- 1- Name of Industry: BAL RAMPUR CHINI MILLS LIMITED UNIT MANKAPUR SUGAR DIVISION, village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 2- Address of Industry: village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 3- District: Gonda
- 4- Description about sampling point: Final discharge of Irrigation line
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T. N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: -
- 8- Quantity and Packing: 2 Ltrs and 1 Ltrs plastic jerrican
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	8.21	5.5-8.5	02-12
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	24.0	30	10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	992.0	2100	10- 50000 mg/l
Total Solids, APHA 24th Ed. 2540 B: 2023	mg/l	1016.0	-	10- 50000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	2.0	0.01-1000mg/l
Lead, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.1	0.02-1000mg/l
Iron, APHA 24th Ed. 3111-B: 2023	mg/l	0.1633	3.0	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	3.0	0.02-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	5.0	0.01-1000mg/l
BOD, APHA 24th Ed. 3 day 20 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	12.0	30	10-50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	48.0	250	50-100000 mg/l

Reference: (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI), The Environment (Protection) Rules, 1986  
source: www.cpcb.nic.in/GeneralStandards.pdf Besides these standards, refer EPA standards for specific purpose

\*Non-NASL Parameters

Note: 1. The results in this report relate only to the items listed. 2. The report shall not be reproduced, except in full, without the written permission of laboratory. 3. The test report pertains to the sample as

received in Lab.

Remark: Nil

Recta Keshav

Analysed by-  
[Dr Mamta Pandey(SA)]

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Reeta Keshav Digitally signed by Reeta  
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Date: 2024.12.09  
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Chief Environmental Officer  
Central Laboratory

General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WATER LABORATORY(SURFACE WATER)**

Ref no-29227221/CENTRAL/2024

Date:06/12/2024

- 1- Sample Location: U/S Bishwi River dhatauli Mankapur Gonda
- 2- District: Gonda
- 3- Address: dhatauli Mankapur Gonda
- 4- Sample Source: River
- 5- Type of sample : Surface Water
- 6- Sample Collected By : Vinod Kumar, LA
- 7- Odour : None
- 8- Quantity and Packing : 2 Ltrs and 1 Glass bottle (125 mL) and 2 ltrs plastic jerican
- 9- Date of Sample Collection : 28/11/2024
- 10- Analysis Indented by : RO Faizabad
- 11- Date of sample receipt in Lab : 29/11/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.76	02-12
Turbidity, APHA24th Ed 2130B	N.T.U	9.6	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	20	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	455.5	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	32	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	274.0	5.0 -10000 mg/l
Hardness, APHA 24th Ed. 2340 °C EDTA Titrimetric Method 2023	mg/l	53.0	10.0 -5000 mg/l
Chloride, APHA24th Ed 4500-Cl- B: 2023	mg/l	5.0	3.0 - 500 mg/l
Sulphate as SO4-2 , APHA 24th Ed. 4500 -SO4 -2 E Turbidimetric Method 2023	mg/l	8.25	0.1 -200 mg/l
Phosphate, APHA24th Ed.4500-PO4: 2023	mg/l	0.008	0.01-50 mg/l
Alkalinity, APHA 24th Ed. 2320:2023	mg/l	66.0	20-5000 mg/l
Cadmium, APHA 24th Ed.3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.4852	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed.3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	7900	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	3300	<1.8 MPN/100 ml & above
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	3.2	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	16.0	4.0 -1000 mg/l
Total Fixed Solid ,APHA 2540 E. (2-71 to 2-72) 24th Edition. 2023 Ignited at 550 °C	mg/L	112.0	5.0 - 1000 mg/L
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	0.004	-

*Boron APHA 4500-B C, (4-29) 24th Edition 2023, Carmine Method	mg/l	ND	-
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\*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab

Remark:\* - NA

Analysed by  
[Preeti Shukla(JRF), Iti Singh (JRF),  
Jyoti Tiwari (SA)]

Authorized by  
Reeta  
Keshav  
Reeta Keshav (ASO)

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Date: 2024.12.06  
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IMRAN  
AHMAD KHAN  
Chief Environmental Officer  
Central Laboratory

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IMRAN AHMAD KHAN  
Date: 2024.12.06  
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## Water Quality Criteria

Designated-Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20 °C 2mg/l or less
Outdoor bathing (Organised)	B	Total Coliforms Organism MPN/100ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20 °C 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	Total coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20 °C 3mg/l or less
Propagation of Wild life and Fisheries	D	pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	pH between 6.0 to 8.5 Electrical Conductivity at 25 °C micro mhos/cm Max. 2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l

Source: <http://www.epcb.nic.in/wqstandards/>



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WATER LABORATORY(SURFACE WATER)**

Ref no-29227261/CENTRAL/2024

Date:06/12/2024

- 1- Sample Location: D/S Bishwi River Upadhaypur grant Mankapur Gonda
- 2- District: Gonda
- 3- Address: Upadhaypur grant Mankapur Gonda
- 4- Sample Source: River
- 5- Type of sample : Surface Water
- 6- Sample Collected By : Vinod Kumar, LA
- 7- Odour : None
- 8- Quantity and Packing : 2 Ltrs and 2 ltrs and 1 Glass bottle (125 mL)
- 9- Date of Sample Collection : 28/11/2024
- 10- Analysis Indented by : RO Faizabad
- 11- Date of sample receipt in Lab : 29/11/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.64	02-12
Turbidity, APHA24th Ed 2130B	N.T.U	11.2	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	20	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	478.2	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	36.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	288.0	5.0 -10000 mg/l
Hardness, APHA 24th Ed. 2340 °C EDTA Titrimetric Method 2023	mg/l	78.4	10.0 -5000 mg/l
Chloride, APHA24th Ed 4500-Cl- B: 2023	mg/l	7.0	3.0 - 500 mg/l
Sulphate as SO <sub>4</sub> -2 , APHA 24th Ed. 4500 -SO <sub>4</sub> -2 E Turbidimetric Method 2023	mg/l	10.58	0.1 -200 mg/l
Phosphate, APHA24th Ed.4500-PO <sub>4</sub> : 2023	mg/l	0.019	0.01-50 mg/l
Alkalinity, APHA 24th Ed. 2320:2023	mg/l	105.8	20-5000 mg/l
Cadmium, APHA 24th Ed.3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.1156	0.05-1000 mg/l
Zinc, APHA 24th Ed.3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	49000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	11000	<1.8 MPN/100 ml & above
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	3.8	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	19.6	4.0 -1000 mg/l
Total Fixed Solid ,APHA 2540 E. (2-71 to 2-72) 24th Edition. 2023 Ignited at 550 °C	mg/L	128.0	5.0 - 1000 mg/L
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	0.002	-

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*Boron APHA 4500-B C, (4-29) 24th Edition 2023, Carmine Method	mg/l	2.72	-
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\*Non-NABL Parameters.

Note : 1. The results in the Test Report relate only to the items tested; 2. The report shall not be reproduced-except in full, without the written permission of laboratory; 3. The test report pertains to the sample as received in Lab.

Remark:\* - NA

Analysed by  
[Preeti Shukla(JRF), Iti Singh (JRF),  
Jyoti Tiwari (SA)]

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AHMAD  
Digitally signed by  
IMRAN AHMAD  
KHAN  
Date: 2024.12.06  
17:52:24 +05'30'  
Chief Environmental Officer  
Central Laboratory

## Water Quality Criteria

Designated-Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20 °C 2mg/l or less
Outdoor bathing (Organised)	B	Total Coliforms Organism MPN/100ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20 °C 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	Total coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20 °C 3mg/l or less
Propagation of Wild life and Fisheries	D	pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	pH between 6.0 to 8.5 Electrical Conductivity at 25 °C micro mhos/cm Max. 2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l

Source: <http://www.cpcb.nic.in/wqstandards/>

## CENTRAL LABORATORY, UPPCB, LUCKNOW

Analysis Report of Sample Collected by Regional Office- Faizabad UPPCB, Dated 28.11.24

S. No.	S. Code	LIMS ID	Sampling Point	Arsenic (mg/l)
1	WW/1991	29222061	Inlet of M.E. M's Balarampur Chini Mills Ltd., Distillery Mankapur, Dautali, Mankapur Gonda	0.014
2	WW/1992	29222020	Outlet of MF M's Balarampur Chini Mills Ltd., Distillery Mankapur, Dautali, Mankapur Gonda	ND
3	WW/1988	29222215	Outlet of CPU M's Balarampur Chini Mills Ltd., Distillery Mankapur, Dautali, Mankapur Gonda	0.003
4	WW/1982	29221205	Inlet of ETP Balarampur Chini Mills Ltd., Unit Mankapur Sugar Division, Village Dautali, Tehsil Mankapur, Distt. Gonda	0.006
5	WW/1983	29221151	Final Outlet of ETP Balarampur Chini Mills Ltd., Unit Mankapur Sugar Division, Village Dautali, Tehsil Mankapur, Distt. Gonda	ND
6	WW/1984	29221104	Final Discharge of Irrigation Line Balarampur Chini Mills Ltd., Unit Mankapur Sugar Division, Village Dautali Tehsil Mankapur, Distt. Gonda	ND

JGA  
10/12/24  
SA.

Quail  
ASO  
10/12/24

Incharge, C.Lab  
10/12/24

Latitude: 27.13966  
Longitude: 82.254937  
Elevation: 124.82±16 m  
Accuracy: 8.0 m  
Time: 02-12-2024 14:20  
Note: Sulfate Removal System In Operation



*Chand*  
Chand Mills Ltd  
Chand Mills Ltd  
Chand Mills Ltd



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29221058/Faizabad/2024

Date: 09/12/2024

- 1- Name of Industry: BALRAMPUR CHINI MILLS LIMITED UNIT MANKAPUR SUGAR DIVISION, village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 2- Address of Industry: village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 3- District: Gonda
- 4- Description about sampling point: Outlet of Sulphur recovery unit
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: - -
- 8- Quantity and Packing: 2 Ltrs
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
Sulphate as SO <sub>4</sub> -2, APHA 24th Ed. 4500 -SO <sub>4</sub> -2 E Turbidimetric Method 2023	mg/l	153.3	-	01-1000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

**Analysed by-**  
**[Dr Mamta Pandey(SA)]**

**Authorized by**  
 Digitally signed by Reeta Keshav  
 Reeta Keshav (ASO)

**IMRAN AHMAD KHAN**  
 Digitally signed by IMRAN AHMAD KHAN  
 Date: 2024.12.09 11:51:07 +05'30'  
 Chief Environmental Officer  
 Central Laboratory

**General Standards for Discharge of Environmental Pollutants Part -A:Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

Sl. No.	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatablea solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	3Biochemical Oxygen Demand I[ 3 days at 270C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Murcury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

36	Manganese (as Mn)	2 mg/l	2 mg/l	-	2 mg/l
37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.

2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.

3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.

4. Besides these standards, refer EPA standards for specific industry Source (1):

<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>

(2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)



**CENTRAL LABORATORY**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 29221086/Faizabad/2024

Date: 06/12/2024

- 1- Name of Industry: BALRAMPUR CHINI MILLS LIMITED UNIT MANKAPUR SUGAR DIVISION, village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 2- Address of Industry: village Datauli, Tehsil Mankapur, Distt Gonda (UP), GONDA, 271302
- 3- District: Gonda
- 4- Description about sampling point: Inlet of sulphur recovery unit
- 5- Type of Sample (Grab/Composite/Integrated): Grab
- 6- Sample Collected By: T.N Singh RO & Vinod Kumar LA
- 7- Colour and Odour: Colourless Odourless
- 8- Quantity and Packing: 2 Ltrs
- 9- Date of Sample Collection: 28/11/2024
- 10- Analysis Indented by: RO Faizabad
- 11- Date of sample receipt in Lab: 29/11/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
Sulphate as SO <sub>4</sub> -2, APHA 24th Ed. 4500 -SO <sub>4</sub> -2 E Turbidimetric Method 2023	mg/l	2967.0	-	01-1000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: [www.cpcb.nic.in/GeneralStandards.pdf](http://www.cpcb.nic.in/GeneralStandards.pdf). Besides these standards, refer EPA standards for specific purpose

\*Non-NABL Parameters.

Note : 1 The results in the Test Report relate only to the items tested: 2. The report shall not be reproduced-except in full, without the written permission of laboratory. 3. The test report pertains to the sample as received in Lab.

Remark: NA

Analysed by-  
[Dr Mamta Pandey(SA)]

Authorized by  
Reeta Keshav  
Digitally signed by  
Reeta Keshav  
Date: 2024.12.06  
17:34:16 +05'30'

IMRAN AHMAD KHAN  
Chief Environmental Officer  
Central Laboratory  
Digitally signed by  
IMRAN AHMAD KHAN  
Date: 2024.12.06  
17:34:16 +05'30'

**General Standards for Discharge of Environmental Pollutants Part -A: Effluents (Schedule - VI) The Environment(Protection) Rules, 1986**

1	Parameter	Standards			
		Inland Surface water	Public Sewers	Land for Irrigation	Marine coastal areas
		a	b	c	d
1	Color and Odor	All efforts should be made to remove colour and unpleasant odour as far as practicable			
2	Suspended Solids mg/l, Max	100	600	200	(a) for process waste water- 100(b) For cooling water effluent 10 percent above total suspended matter of influent.
3	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	-	-	(a) Floatable solids, max. 3 mm
4	2(***)	*	*	*	*
5	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6	Temperature	Shall not exceed 5°C above receiving water temperature	-	-	Shall not exceed 5°C above receiving water temperature
7	Oil and Grease Mg/l Max.	10	20	10	20
8	Total residual chlorine mg/l Max	1	-	-	1
9	Ammonical Nitrogen(as N), mg/l Max	50	50	-	50
10	Total Kjeldahl Nitrogen(as NH <sub>3</sub> ) mg/l,Max	100	-	-	100
11	Free ammonia (as NH <sub>3</sub> )mg/l, Max	5	-	-	5
12	Biochemical Oxygen Demand 1[ 3 days at 27°C] mg/l, Max	30	350	100	100
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
13	chemical Oxygen Demand, mg/l, Max	250	-	-	250
14	Arsenic(as As), mg/l, max	0.2	0.2	0.2	0.2
15	Mercury(as Hg), mg/l, max	0.01	0.01	-	0.01
16	Lead (as Pb), mg/l, max	0.1	1	-	2
17	Cadmium (as Cd), mg/l, max	2	1	-	2
18	Hexavalentchromium (as Cr+6), mg/l, max	0.1	2	-	1
19	Total chromium (as Cr)mg/l, max	0.1	2	-	1
20	Copper(as Cu), mg/l, max	3	3	-	3
21	Zinc(as Zn), mg/l, max	5	15	-	5
22	Selenium (as Se) mg/l, max	0.05	0.05	-	0.05
23	Nickel (as Ni) mg/l, max	3	3	-	5
24	2(***)	*	*	*	*
25	2(***)	*	*	*	*
26	2(***)	*	*	*	*
27	Cyanide (as CN), mg/l, max	0.2	2	0.2	0.2
28	2(***)				
29	Fluoride (as F) mg/l, max	2	15	-	15
30	Dissolved Phosphates (as P), mg/l, max	5	-	0	-
31	2 (***)	*	*	*	*
32	Sulphide (as S), mg/l, max	2	-	-	5
33	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) mg/l, max	1	5	-	5
34	Radioactive materials: (a)Alpha emitter micro curie/ml (b)Beta emitter micro curie/ml	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>	10 <sup>-8</sup> 10 <sup>-7</sup>	10 <sup>-7</sup> 10 <sup>-6</sup>
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35	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent	90% survival of fish after 96 hours in 100 % effluent

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37	Iron (as Fe)	3 mg/l	3 mg/l	-	3 mg/l
38	Vanadium (as V)	0.2 mg/l	0.2 mg/l	-	0.2 mg/l
39	Nitrate Nitrogen	10 mg/l	-	-	20 mg/l
40	2 (***)	•	•	•	•

1. Schedule VI inserted by Rule 2 (d) of the Environment(Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422 (E) dated 19.05.1993 published in the Gazette no. 174 dated 19.05.1993.
2. Omitted by Rule 2 (d)(i) of the Environment(Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801 (E), dated 31.12.1993.
3. Substituted by Rule 2 of the Environment(Protection) Amendment Rules, 1996 notified by G.S.R 176, dated 02.04.1996 may be read as BOD (3days at 270C) whenever BOD 05 days 200C occurred.
4. Besides these standards, refer EPA standards for specific industry Source (1):  
<https://cpcb.nic.in/displaypdf.php?id=R2VuZXJhbFN0YW5kYXJkey5wZGY=>  
 (2) [cpcb.nic.in/Industry\\_Specific\\_Standards.php](https://cpcb.nic.in/Industry_Specific_Standards.php)

**RAINWATER FILTRATION PIT**



Latitude: 27.138671  
Longitude: 82.248619  
Elevation: 122.12±5 m  
Accuracy: 5.9 m  
Time: 02-12-2024 12:58  
Note: Rainwater Collection pit and plaster for the floor.

*[Handwritten Signature]*



Spiral Ladder on Cogen Power Plant Stack

Latitude: 27.138738  
Longitude: 82.251669  
Elevation: 168.12±100 m  
Accuracy: 6.7 m  
Time: 02-12-2024 12:44  
Note: COGEN CHIMNEY SPIRAL LADDER WORK COMPLETED



*Handwritten signature*



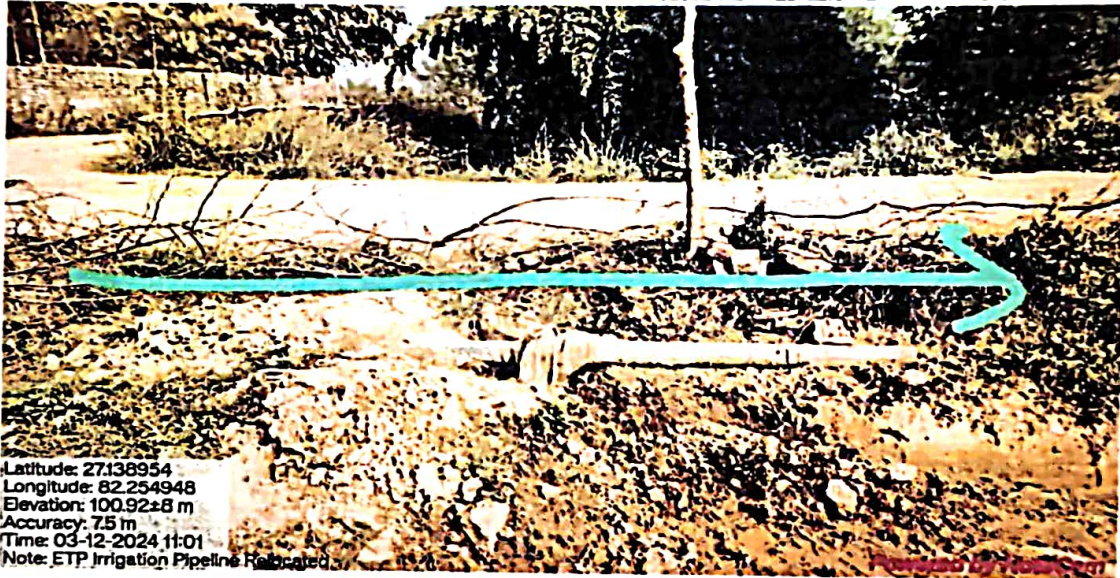
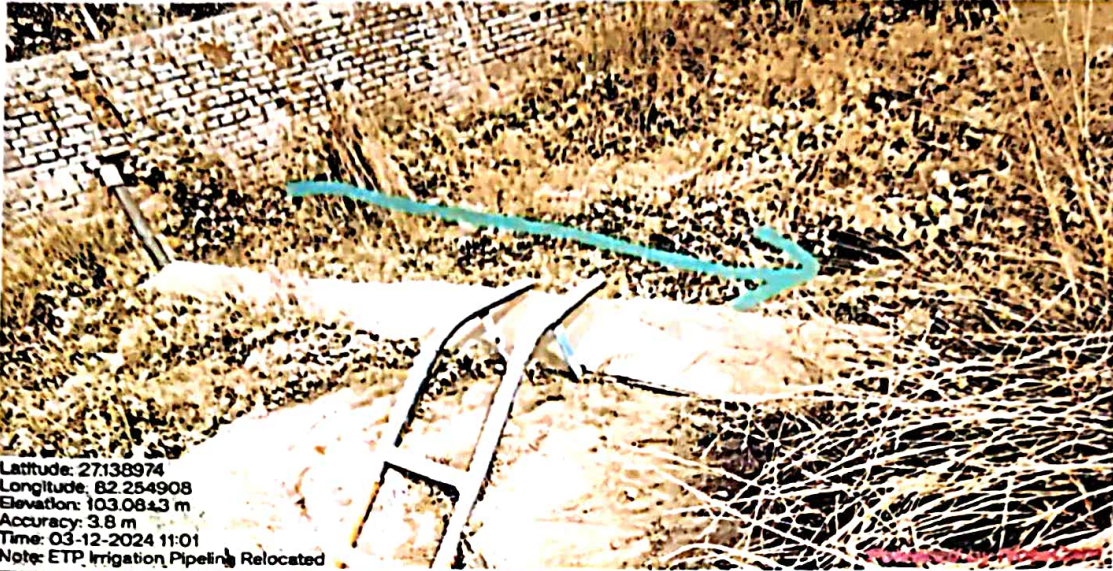
SPIRAL LADDER on Incineration Power Plant Stack

Latitude: 27.138496  
Longitude: 82.251122  
Elevation: 96.12±100 m  
Accuracy: 4.5 m  
Time: 02-12-2024 12:41  
Note: IPP CHIMNEY SPIRAL LADDER WORK COMPLETED



*[Signature]*  
Rayamuri Print Mills Ltd  
Authorized  
Signatory  
[Stamp]

ETP IRRIGATION PIPELINE



*[Handwritten signature]*



DEMARCATIION LINE IN SPENTWASH LAGOON



*[Handwritten Signature]*

585

O.A. No. 12 of 2023; Alok Kumar Mishr & Anr. Vs. State of U.P. & Ors.

---

From: Pradeep Misra (pradeepmisra@yahoo.com)

To: artakkar@gmail.com

Date: Wednesday, December 11, 2024 at 01:00 PM GMT+5:30

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Sir,

Please find the attached Action Taken Report on behalf of Respondent No.1/ U.P. Pollution Control Board.

With Regards,

**(PRADEEP MISRA)**



Alok Kumar Mishr Action Taken Report.pdf  
12.3MB