

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

ORIGINAL APPLICATION NO. 234 OF 2020

**IN THE MATTER OF:**

ANURADHA

...APPLICANT

VERSUS

STATE OF UTTAR PRADESH & ORS.

...RESPONDENTS

**I N D E X**

<b>S.NO.</b>	<b>PARTICULARS</b>	<b>PAGE NOS.</b>
<b>1.</b>	Rejoinder on behalf of M/s Triveni Engineering & Industries Limited to the reply filed by UPPCB dated 16.02.2024.	<b>1-13</b>
<b>2.</b>	<b><u>ANNEXURE R-1 (COLLY)</u></b> A copy of the reports dated 28.02.2024 of the samples collected at storage lagoon, treated water cooling tower, and final outlet of ETP of the Answering Respondent.	<b>14-22</b>
<b>3.</b>	<b><u>ANNEXURE R-2</u></b> A copy of the letter dated 10.02.2024 issued by M/s Triveni Engineering & Industries Limited.	<b>23</b>
<b>4.</b>	<b><u>ANNEXURE R-3</u></b> A copy of the report dated 18.11.2023 issued by Environmental and Technical Research Centre.	<b>24-29</b>

5.	<b><u>ANNEXURE R-4 (COLLY)</u></b> A copy of the test reports dated 18.03.2024 for samples collected at a handpump in Village Narayanpur, a handpump in Village Peepali, and at tubewells at Answering Respondent's unit.	30-35
6.	<b><u>ANNEXURE R-5</u></b> A copy of the photographs of the said handpump and nearby areas.	36-37
7.	<b><u>ANNEXURE R-6</u></b> A copy of the analysis results dated 30.12.2020 carried out by 'Environmental and Technical Research Centre'	38-50
8.	<b><u>ANNEXURE R-7</u></b> A copy of the calibration reports as provided by the calibrating entity i.e. Errand Enterprises Pvt. Ltd.	51-58

Proof of service @pg. 59

**ANUNAYA MEHTA**  
ADVOCATES FOR RESPONDENT  
CHAMBER NO. 388, BLOCK – 2  
DELHI HIGH COURT  
NEW DELHI

9899834055 || [anunaya.mehta@gmail.com](mailto:anunaya.mehta@gmail.com)

NEW DELHI  
DATED: 16.04.2024

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

ORIGINAL APPLICATION NO. 234 OF 2020

**IN THE MATTER OF:**

ANURADHA

...APPLICANT

VERSUS

STATE OF UTTAR PRADESH & ORS.

...RESPONDENTS

**REJOINDER ON BEHALF OF M/S. TRIVENI ENGINEERING &  
INDUSTRIES LTD. TO THE REPLY FILED BY UPPCB DATED  
16.02.2024**

**MOST RESPECTFULLY SHOWETH:**

- A. The UPPCB had filed its reply to the objections of the answering Respondent under covering letter dated 16/02/2024. The answering respondent is filing the present rejoinder in order to respond to the submissions made by UPPCB in its reply to objections.
1. As far as the response at Serial No. 1 is concerned, i.e., the allegation that the unit crushed more sugarcane than the consented capacity, it is the submission of the answering Respondent that the said issue has been addressed in detail in the objections and does not require any further clarification. Contents of the objections are reiterated and not repeated for the sake of brevity. Suffice is to state that sugarcane crushing by the unit, when considered on a seasonal basis, is significantly lower than the consented capacity; and therefore, it cannot be said that there is any default by the unit on this count. On

some occasion, sugarcane crushing on a particular day might be higher than the consented capacity, however, there are external factors which influence such a situation, including the fact that the amount of sugarcane delivered by farmers is not entirely within the control of the answering Respondent. However, even such a situation does not result in any environmental pollution in as much as the ETP capacity at the unit is significantly higher 840 KLD (in addition to 600 KLD of SRS), against the effluent generated on the basis of consented capacity (740 KLD); and therefore, the ETP is sufficiently well-equipped to handle the increased load on any given day. These aspects have been explained in detail in the objections filed by the answering Respondent, which have been completely overlooked by the UPPCB.

2. As far as the response at Serial No. 2 is concerned, i.e., the allegation that the requisite flow-meters is not installed at the outlet of the ETP, at the outset, it may be noted that the objection taken by the Answering Respondent that there is no such statutory requirement nor was such requirement ever communicated to it in past, has not been disputed by UPPCB in their reply. Further, even the reply filed by UPPCB acknowledges that, upon recommendation of the Joint Committee, the flowmeter is in place now at the outlet of ETP in addition to the one that existed even at the time of inspection. Relevantly, the absence of flowmeter at the outlet of ETP certainly has not caused any environmental pollution or obstructed the process of monitoring in any manner whatsoever. Be that as it may, since it is now a matter of record that all requisite flow-meters have been installed at the unit, in the submission of the answering Respondent, the said issue deserves to be closed.

3. As far as the response at Serial No. 3 is concerned, i.e., the allegation that the unit has excess storage lagoon capacity, it may be noted that the said allegation had been vehemently opposed by the answering Respondent in its objections to the joint inspection report arguing that the storage capacity of the lagoon was well within limits in terms of the guidelines issued by notification No. GSR 35(E) dated 15.01.2016 of MoEF&CC, Govt. of India. The said stand has now been accepted by UPPCB and it has been acknowledged in UPPCB's reply that the lagoon at the unit does not have excess storage capacity. Accordingly, in the submission of the answering Respondent, the said issue deserves to be closed.
4. As far as the response at Serial No. 4 is concerned, i.e., the allegation that the unit has two impermeable lagoons in the ETP area, at the outset, it may be noted that even the reply filed by UPPCB acknowledges that the recommendation of the joint inspection committee has been implemented by the unit and that lagoons in question are no longer being used in the ETP process.

  - 4.1 Be that as it may, even earlier i.e. prior to the joint inspection, in the submission of the unit there was no non-compliance/default/violation on its part with regard to the issue at hand. Admittedly, one of the two lagoons was lying empty and was not found to be in use. Further, both the lagoons were found to be impermeable. By their very definition, impermeable lagoons would hold effluent without permitting it to permeate / seep into the groundwater. Therefore, there is no question of any groundwater pollution having been caused as a result of the lagoon, as alleged. In fact, the 'lagoons' in question were not lagoons in the true sense i.e. for holding treated effluent. Rather, the structure in question were actually in the form

of 'impermeable storage tanks' and their purpose was to only hold back-flow from the ETP temporarily, to ensure efficiency of the ETP setup and to ensure full compliance with effluent discharge norms. Therefore, in the submission of the answering Respondent, there could be no grievance with the presence of the storage tanks in question. Be that as it may, now, since it has been acknowledged in the reply of the UPPCB that the storage tanks in question are no longer being used by the unit, the issue in question deserves to be closed.

- 5.** As far as the response at Serial No. 5 is concerned, i.e., the allegation that the levels of MLSS found in the aeration tank were lower than the levels prescribed by CPCB i.e. 2500 mg/l, in the submission of the answering Respondent, the response given by UPPCB the objection raised by the unit on this regard, is completely unfounded and baseless.
- 5.1** It was the stand of the unit in its objections that the observation of the joint inspection committee with regard to MLSS values being less does not show any violation/default on part of the unit inasmuch as **(1)** maintenance of MLSS levels in the aeration tank of the ETP set-up is a continuous and on-going process and just a day prior to the joint inspection, in view of the high biomass levels (3000-4000 mg/l), biomass (MLSS) had been removed from the aeration tank to maintain optimum treatment capacity of the ETP setup and it is for this reason that temporarily the MLSS levels were found to be low during the site inspection; and **(2)** treated effluent was being monitored on a daily basis through the online monitoring system, and since the parameters of the treated effluent were within limits, it cannot be said that the ETP setup was not being operated properly

and efficiently. In support, the unit had filed various inspection reports of treated effluent conducted through NABL approved labs on different dates.

- 5.2** UPPCB in its reply has claimed that the lab reports provided by the unit are not for the date of inspection; and that the online monitoring system does not show MLSS levels in the aeration tank and therefore the parameters reflected therein are inconsequential insofar as the present issue is concerned. In the submission of the answering Respondent, such a reply on part of the UPPCB reflects complete non-application of mind. MLSS levels have a direct correlation with the BOD level in the treated effluent and although the online monitoring system may not show MLSS levels specifically, nonetheless, since the BOD levels have been found to be within limits on a daily basis through the online monitoring system, that itself reflects that the ETP setup was being operated efficiently and properly. Similarly, the lab reports (even if not for the specific date of the joint-inspection) reflect ongoing efficiency in operation of the ETP setup. Additionally, a copy of the reports dated 28.02.2024 of the samples collected at storage lagoon, treated water cooling tower, and final outlet of ETP of the Answering Respondent are annexed herewith and marked as **Annexure R-1 (colly)**.
- 6.** As far as the response at Serial No. 6 is concerned, i.e., the allegation that the SRS is not functioning properly, it is the submission of the answering Respondent that the said issue has been addressed in detail in the objections and does not require any further clarification. Contents of the objections are reiterated and not repeated for the sake of brevity. Suffice it is to state that the answering Respondent does not add any chemicals to the SRS set-up to treat sulphur containing

effluent which can actually add sulphate levels in the effluent as is specified in the para under reply. At best, even if assuming without admitting that the SRS system is not working optimally, it would not reduce sulphate levels – but at the same time, there is no question of a significant jump in the sulphate levels in the outlet of the SRS set-up as alleged in the report. In the submission of the answering Respondent, the levels of sulphate as detected during the joint-inspection reflects an error in the sampling and testing process.

7. As far as the response at Serial No. 7 is concerned, i.e., the allegation that effluent is being finally discharged through common channel of ETP and SRS set-up, UPPCB as adopted same submission as it made against point no. 6 of its response. It is the submission of the answering Respondent that the said issue has been addressed in detail in the objections and does not require any further clarification and seemingly UPPCB also is in concurrence to the submission of answering respondent Since point 6 & 7 are two distinct issues, UPPCB having adopted the same submission as made in para 6, shows that UPPCB had nothing to say.
8. As far as the response at Serial No. 8 is concerned, i.e., the allegation that effluent discharge from the unit is resulting in groundwater contamination, it is the submission of the answering Respondent that the said conclusion is completely false and incorrect. At the outset, it may be noted that the UPPCB in its reply has admitted that the conclusion in the joint inspection report was not a final one and that it was only opined that ground water pollution ‘*may*’ be the result of effluent discharge from the unit.

- 8.1** To further assess this issue, it was directed by UPPCB under its letter dated 29.12.2023 that the unit shall conduct groundwater monitoring in the nearby areas on paid basis through UPPCB. It is alleged in UPPCB's reply that the unit has not gotten such groundwater inspection done and not submitted the relevant report. However, it has not been disclosed that after the answering Respondent received the aforesaid letter dated 29.12.2023 on 10.01.2024, it wrote back to UPPCB *vide* its letter dated 10.02.2024 asking for charges to be deposited for the purposes of the inspection so that the process can proceed forward. Unfortunately, UPPCB did not reply to the said letter of the answering Respondent and it is for this reason that the process could not proceed further. A copy of the letter dated 10.02.2024 issued by the Answering Respondent is annexed herewith and marked as **Annexure R-2**.
- 8.2** That apart, it may be noted that the answering Respondent on its own got groundwater tested through 'Environmental and Technical Research Centre' a MoEFF&CC approved laboratory on 15.11.2023 at a handpump in Village Narayanpur, handpump in Jatpura and handpump in Village Peepali. The said laboratory returned reports dated 18.11.2023 which show that the groundwater from these handpumps is well within norms. These reports are being filed herewith for perusal of the Hon'ble Tribunal. A copy of the reports dated 18.11.2023 is annexed herewith and marked as **Annexure R-3**. Additionally, a copy of the test reports dated 18.03.2024 for samples collected at a handpump in Village Narayanpur, a handpump in Village Peepali and at tube wells at Answering Respondent's unit are annexed herewith and marked as **Annexure R-4 (Colly)**.

- 8.3** As far as Groundwater Sample No. 3 is concerned, i.e. from the handpump at Mahmudpur (residence of Satyapal Singh which showed all parameters to be extreme, it is extremely crucial to note that the answering Respondent got photographs of the said handpump and nearby areas clicked. These photographs evidently reveal the strong possibility of contamination of groundwater due to the animal dung stacking in the heaps near the handpump, which may release the leachate in rainy season that will percolate in the sub-soil water. It may be noted that cow dung is rich in micro-nutrients as defined in the research paper October 2014 Raipur India and its acidic pH facilitates dissolution of rock minerals. Such stacking of dung near the handpump is the more likely reason for pollution of groundwater in the area. It may further be noted that the village unpaved drain carries domestic waste and sewage, leading to village pond, which are in the vicinity of the handpump in question. Such local factors also directly affect the quality of groundwater in the area. Accordingly, it is the submission of the answering Respondent that the parameters of groundwater at sampling site No. 3 cannot be attributed to the answering Respondent. The other handpumps have in any case returned results which are generally within norms. A copy of the photographs of the said handpump and nearby areas clicked herewith and marked as **Annexure R-5**.
- 9.** As far as the response at Serial No. 9 is concerned, i.e., the allegation of possible dilution in the primary clarifier, it is the submission of the answering Respondent that the said issue has been addressed in detail in the objections and does not require any further clarification. Contents of the objections are reiterated and not repeated for the sake of brevity. Crucially, even UPPCB has washed its hand of the

objections taken by the answering Respondent claiming that sampling was done by CPCB and can be answered only by the said Department. As far as reports submitted by the answering Respondent are concerned, it is submitted that UPPCB has simply brushed aside the reports on the ground that they are of another date, without appreciating that the said reports finalized by approved laboratories show continued compliance of norms by the answering Respondent. That apart, reference may also be had to the fact that the very next day after the joint inspection, i.e. on 24.12.2020 the unit drew samples and sent such samples for testing to 'Environmental and Technical Research Centre' a MoEFF&CC approved laboratory which has returned analysis results dated 30.12.2020 which show that effluent parameters in different parts of the ETP Set-up. Further, in the Respondent's submission, reference by UPPCB to the imposition of EC of Rs. 35,40,000/- is completely misleading. First and foremost, it may be noted that proceedings in the Show Cause Notice have already been filed / closed by UPPCB while referring to order passed by Hon'ble Supreme Court in Civil Appeal No. 2934/2022, as intimated to the answering Respondent by UPPCB *vide* letter dated 29.12.2023. Therefore, the said issue ought not to have been raised *at all* by UPPCB. Be that as it may, it may be noted that pursuant to the show cause notice dated 05.04.2021, by letter dated 26.04.2021, the answering respondent had categorically requested UPPCB to provide copy of the report in question and also to whatever extent possible, answering respondent had given an explanation to the allegation made by UPPCB in their report. However, the said reply of the answering Respondent was not considered by UPPCB at any point in time. Further, on 15.07.2021, UPPCB issued another letter with reference to the show-cause notice

dated 05.04.2021 which intimated the answering Respondent that the joint committee may carry out inspection prior to initiation of crushing. However, despite the answering respondent having informed *vide* letter dated 27.09.2021 about initiation of crushing reason, no inspection was carried out. Instead, the answering respondent received letter dated 09.11.2021 (referred in reply of UPPCB) with regard to payment of Rs. 35,40,000 as EC. Even to that letter, the answering respondent submitted a detailed response *vide* letter dated 25.11.2021, however, without any response by UPPCB. Anyways, as stated hereinabove, the proceedings with respect to imposition of EC stand filed / closed in view of the order passed by the Hon'ble Supreme Court. Clearly, the issue is a non-issue and has been raised by UPPCB only to create prejudice against the answering Respondent. A copy of the analysis results dated 30.12.2020 carried out by 'Environmental and Technical Research Centre' is annexed herewith and marked as **Annexure R-6**.

10. As far as the recommendations of the Joint Inspection Committee are concerned, the following are the submissions of the answering Respondents to the comments of the UPPCB in its reply:
  - (i) As far as calibration of the OCEMS system at the unit is concerned, it is submitted that the same is duly calibrated on a regular / periodic basis. The answering Respondent is filing some calibration reports as provided by the calibrating entity i.e. Errand Enterprises Pvt. Ltd. of various dates in the years 2020-2023. A copy of the calibration reports as provided by the calibrating entity i.e. Errand Enterprises Pvt. Ltd. of various dates in the years 2020-2023 are annexed herewith and marked as **Annexure R-7**.

- (ii) The claim that a *kacha* lagoon was converted into a pucca lagoon after the inspection of the joint inspection committee is completely unfounded and baseless. The Joint Inspection Committee report does not refer to any *kacha* lagoon. Rather, the joint committee report itself refers to the lagoons found at the unit to be impermeable. An impermeable lagoon itself signifies that the lagoons were not *kacha* as alleged.
- (iii) As far as the issue of submission of groundwater reports are concerned, the same has already been addressed hereinabove.
- (iv) In so far as UPPCB's submission about having issued direction and imposition of EC are concerned, the Answering respondent has already given its response in the paragraph above and is not reproducing same for the sake of brevity.

In view of the foregoing, it is the submission of the Answering Respondent that the present proceedings against the Answering Respondent deserve to be closed.



*[Signature]*  
**RESPONDENT  
THROUGH**

*[Signature]*

**ANUNAYA MEHTA**  
ADVOCATES FOR RESPONDENT  
CHAMBER NO. 388, BLOCK – 2  
DELHI HIGH COURT  
NEW DELHI

9899834055 || [anunaya.mehta@gmail.com](mailto:anunaya.mehta@gmail.com)

NEW DELHI  
DATED: 16.04.2024

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

ORIGINAL APPLICATION NO. 234 OF 2020

IN THE MATTER OF:

ANURADHA

VERSUS

STATE OF UTTAR PRADESH & ORS.

...APPLICANT, ...RESPONDENTS



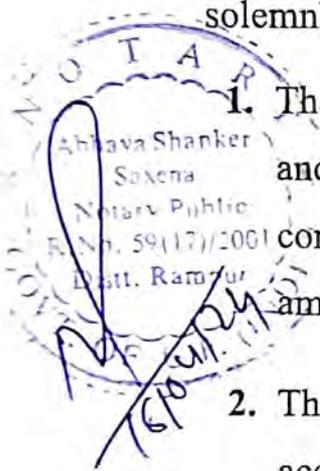
AFFIDAVIT

I, Bhoopender Singh, aged about 57 years, s/o Shri Amar Singh, presently working as General Manager of M/s Triveni Engineering and Industries Ltd., resident of House No. I-4, Prakash City, Kashipur, District Udham Singh Nagar Uttarakhand, India, presently in Uttar Pradesh, do hereby solemnly affirm and declare as under:

1. That I am the authorised representative of M/s Triveni Engineering and Industries Ltd. in the above-mentioned rejoinder and am well conversant with the facts and circumstances of the case and as such I am competent to swear this affidavit.

2. That I state that I have read and understood the contents of the accompanying Rejoinder. The same has been drafted by counsel under my instructions. I state that the contents are true and correct to my knowledge, and on the basis of legal advice received and believed to be true. Nothing material has been concealed.

DEPONENT  
*Bhoopender Singh*  
DEPONENT





**VERIFICATION:-**

Verified at Rampur on this 16<sup>th</sup> day of April 2024 that the contents of my above affidavit are true and correct to my knowledge and no part thereof is false and nothing material has been concealed therefrom.

DEPONENT

*Rajender Singh*  
DEPONENT



*RS*  
Identified by

S. No. 07 (CDA6) Date 16/04/24  
I certified that... Bhospendra Singh  
Identified by... Rajender Singh  
Sworn to / Solemnly / Declared by  
the contents of the affidavit being true  
by presence after fully understanding  
contents on Tue 16/04/24 AM

*[Signature]*  
NOTARY  
RAMPUR U. P.  
16/04/24



# Annexure R-1 Colly 315

14

**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 24689379/Moradabad/2024/paybasis

Date: 28/02/2024

- 1- **Name of Industry:** Triveni Engineering & Industries Limited, Sugar Unit-Milak Narayanpur
- 2- **Address of Industry:** Sugar Unit-Milak Narayanpur
- 3- **District:** Rampur
- 4- **Description about sampling point:** Storage Lagoon
- 5- **Type of Sample (Grab/Composite/Integrated):** Grab
- 6- **Sample Collected By:** Rajeev Kumar MA & Rajendra Lal JLA
- 7- **Colour and Odour:** Colourless Odourless
- 8- **Quantity and Packing:** 2 Lit.
- 9- **Date of Sample Collection:** 06/02/2024
- 10- **Analysis Indented by:** RO Moradabad
- 11- **Date of sample receipt in Lab:** 06/02/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.86		02-12
*Oil_Grease	mg/l	4.4		-
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	22		10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	480		10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	16		1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	116		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-**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**

**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 [ 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](http://cpcb.nic.in/Industry_Specific_Standards.php)



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 24689882/Moradabad/2024/paybasis

Date: 28/02/2024

- 1- **Name of Industry:** Triveni Engineering & Industries Limited, Sugar Unit-Milak Narayanpur
- 2- **Address of Industry:** Sugar Unit-Milak Narayanpur
- 3- **District:** Rampur
- 4- **Description about sampling point:** Treated Water Cooling Tower
- 5- **Type of Sample (Grab/Composite/Integrated):** Grab
- 6- **Sample Collected By:** Rajeev Kumar MA & Rajendra Lal JLA
- 7- **Colour and Odour:** Colourless Odourless
- 8- **Quantity and Packing:** 2 Lit.
- 9- **Date of Sample Collection:** 06/02/2024
- 10- **Analysis Indented by:** RO Moradabad
- 11- **Date of sample receipt in Lab:** 06/02/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.75		02-12
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	16		10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	320		10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	11		1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	92		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-**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**

**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 [ 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](http://cpcb.nic.in/Industry_Specific_Standards.php)



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

**TEST REPORT: WASTE WATER LABORATORY**

Ref No: 24689973/Moradabad/2024/paybasis

Date: 28/02/2024

- 1- **Name of Industry:** Triveni Engineering & Industries Limited, Sugar Unit-Milak Narayanpur
- 2- **Address of Industry:** Sugar Unit-Milak Narayanpur
- 3- **District:** Rampur
- 4- **Description about sampling point:** Final Outlet of ETP
- 5- **Type of Sample (Grab/Composite/Integrated):** Grab
- 6- **Sample Collected By:** Rajeev Kumar MA & Rajendra Lal JLA
- 7- **Colour and Odour:** Colourless Odourless
- 8- **Quantity and Packing:** 2 Lit.
- 9- **Date of Sample Collection:** 06/02/2024
- 10- **Analysis Indented by:** RO Moradabad
- 11- **Date of sample receipt in Lab:** 06/02/2024

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.68		02-12
*Oil_Grease	mg/l	3.6		-
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	20		10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	350		10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 ( Part 44): 1993 Bio 2023	mg/l	14		1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	108		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-**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**

**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) Floatableaa 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 [ 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](http://cpcb.nic.in/Industry_Specific_Standards.php)

## Annexure R-2

TEIL/MNP/HR/24/881

February 10, 2024

Regional officer  
UP Pollution Control Board  
Buddhi Vihar Delhi road  
Moradabad (UP)

**Sub:- Regarding Compliance of UPPCB letter H05006 dated 29.12.2023**

Dear Sir,

This is in reference to UPPCB letter H05006/C-7/water-394/voke/2023 dated 29.12.2023 regarding revocation of show cause notice H 61396/C-7/ water-394/21 dated 05.04.2021, which was received by the unit on 10.01.2024. We are pleased to get the revocation of Show Cause notice dated 05.04.2021, As UPPCB found, M/s Triveni Sugar unit Milak Narayanpur, Rampur with fully complying all the norms in their inspections dated 24.12.2022 & 27.12.2022.

In context to the direction of above-mentioned letter condition no 2, we want to get it done ground water monitoring of below mentioned points quarterly from the UPPCB regional office laboratory Moradabad on paid basis for requisite compliance.

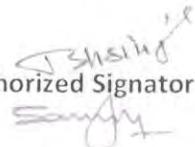
1. M/s Triveni Engineering & Industries Ltd Sugar Unit Milak Narayanpur, Rampur - Fresh Water Borewells.
2. Handpumps/ Tube-well located on the land in the vicinity of unit furnish under the irrigation management plan for ETP treated water irrigation.
3. ETP Treated water analysis.

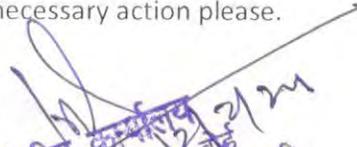
Please note that unit is not disposing Treated water in Nala and River, please verify the Up-stream and downstream location for monitoring the same if any. However, as we confirmed neither Nala and nor River are located in catchment area of sugar unit.

Therefore, please let us know the charges for ground water monitoring, so that unit shall able to deposit the same amount to the Board. We hereby request to arrange the ground water monitoring & ETP Treated water monitoring as earliest as possible and issue the monitoring report too.

This is submitted for your kind information and necessary action please.

Thanking you,  
For Triveni Engineering & Industries Ltd;

  
Authorized Signatory

  
क्षेत्रीय कार्यालय  
उ.प्र. प्रदूषण नियंत्रण बोर्ड  
1-A/M.N.S1 आवास विकास कालोनी  
बुद्धि विहार, मुरादाबाद



# 325 ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE 24

## Annexure R-3

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrclth.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

### TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No. ETRC/EPA/9786/2023	Date of Report: 18.11.2023
Name/Address/Type of Industry	M/s Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

#### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Handpump (Village: Narayanpur)	6	Sample Collected By	ETRC
3	Sample received date	15.11.2023	7	Analysis Start Date	15.11.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	18.11.2023

#### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
						Desirable	Permissible
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS: 3025 (Part-4): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed 2023-4500 H <sup>+</sup>	7.3	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed 2023-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solid (TDS)	mg/l	IS: 3025 (Part-16): 2023	268.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	0.5 - 10	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	43.2	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed 2023-3500 Mg, B	14.58	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500-Cl <sup>-</sup> B	18.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 F <sup>-</sup> C	0.36	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS: 3025 (Part-26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 SO <sub>4</sub> <sup>2-</sup> E	16.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2320 B	192.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2340 C	168.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.09	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3



326

25

**ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE**

Office &amp; Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrccindia.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

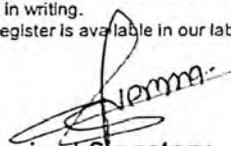
**Test Report Ref No. ETRC/EPA/9786/2023**

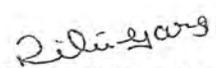
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.45	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed 2023-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium as Cr	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/ 100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/ 100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr. Verma)  
Lab-Incharge

  
Authorized Signatory  
(Ritu Garg)  
QM



# 327 ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE 26

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrcltdia.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No. ETRC/EPA/9785/2023	Date of Report: 18.11.2023
Name/Address/Type of Industry	M/s Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Handpump (Jatpura)	6	Sample Collected By	ETRC
3	Sample received date	15.11.2023	7	Analysis Start Date	15.11.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	18.11.2023

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
						Desirable	Permissible
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS: 3025 (Part-4): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed 2023-4500 H <sup>+</sup>	7.2	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed 2023-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solid (TDS)	mg/l	IS: 3025 (Part-16): 2023	296.0	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	0.5 - 10	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	39.2	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed 2023-3500 Mg, B	16.0	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500-Cl <sup>-</sup> B	20.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 F <sup>-</sup> C	0.29	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS: 3025 (Part-26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 SO <sub>4</sub> <sup>2-</sup> E	20.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2320 B	188.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2340 C	164.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.15	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.04	0.02 - 5.0	0.1	0.3



# 328 ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE 27

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrclth.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

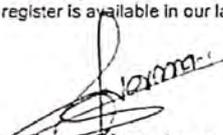
## Test Report Ref No. ETRC/EPA/9784/2023

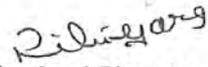
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.31	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed 2023-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium as Cr	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr. Verma)  
Lab-Incharge

  
Authorized Signatory  
(Ritu Garg)  
QM



# 329 ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE 28

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrclth.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM09/TEST-REP/FT/45

## TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No. ETRC/EPA/9784/2023	Date of Report: 18.11.2023
Name/Address/Type of Industry	M/s Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	Handpump (Village: Peepali)	6	Sample Collected By	ETRC
3	Sample received date	15.11.2023	7	Analysis Start Date	15.11.2023
4	Sample Quantity	5.0 liters	8	Analysis End Date	18.11.2023

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500: 2012	
						Desirable	Permissible
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS: 3025 (Part-4): 2021	<5.0	5 - 30	5	15
2	Odour	-	IS: 3025 (Part-5): 2018	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 24 <sup>th</sup> Ed 2023-4500 H <sup>+</sup>	7.5	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 24 <sup>th</sup> Ed 2023-2130 B	BDL	2 - 40	1	5
5	Total Dissolved Solid (TDS)	mg/l	IS: 3025 (Part-16): 2023	296.8	10 - 5000	500	2000
6	Ammonia (as total ammonia-N)	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	0.5 - 10	0.5	No Relaxation
7	Anionic Detergents (as MBAS)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5540 C	BDL	0.05 - 0.5	0.2	1.0
8	Calcium as Ca	mg/l	IS: 3025 (Part-40): 1991 Reaffirmed: 2019	41.6	2.0 - 600	75	200
9	Magnesium as Mg	mg/l	APHA 24 <sup>th</sup> Ed 2023-3500 Mg, B	18.46	0.1 - 200	30	100
10	Chloride as Cl	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500-Cl <sup>-</sup> B	16.0	2.0 - 2000	250	1000
11	Fluoride as F	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 F <sup>-</sup> C	0.26	0.02 - 5.0	1.0	1.5
12	Free Residual Chlorine	mg/l	IS: 3025 (Part-26): 1986 Reaffirmed: 2019	BDL	0.1 - 5.0	0.2	1.0
13	Nitrate as NO <sub>3</sub>	mg/l	IS: 3025 (Part-34): 1988 Reaffirmed: 2019	BDL	1.0 - 70	45	No Relaxation
14	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 24 <sup>th</sup> Ed 2023-5530 C	BDL	0.001-0.005	0.001	0.002
15	Sulphate as SO <sub>4</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-4500 SO <sub>4</sub> <sup>2-</sup> E	18.0	1.0 - 500	200	400
16	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2320 B	204.0	2.0 - 1000	200	600
17	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 24 <sup>th</sup> Ed 2023-2340 C	180.0	5.0 - 800	200	600
18	Aluminium as Al	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.015 - 5.0	0.03	0.2
19	Boron as B	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.5	1.0
20	Copper as Cu	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 10	0.05	1.5
21	Iron as Fe	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.08	0.05 - 20	0.3	No Relaxation
22	Manganese as Mn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.03	0.02 - 5.0	0.1	0.3



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrcindia.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

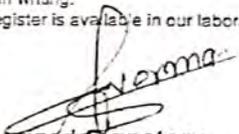
## Test Report Ref No. ETRC/EPA/9785/2023

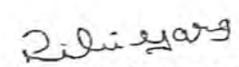
23	Zinc as Zn	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	0.43	0.05 - 15	5	15
24	Cadmium as Cd	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 2.0	0.003	No Relaxation
25	Lead as Pb	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
26	Mercury as Hg	µg/l	APHA 24 <sup>th</sup> Ed 2023-3112 B	BDL	0.5 - 1000	1.0	No Relaxation
27	Nickel as Ni	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.05 - 5.0	0.02	No Relaxation
28	Arsenic as As	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.02 - 2.0	0.01	0.05
29	Total Chromium as Cr	mg/l	APHA 24 <sup>th</sup> Ed 2023-3120 B (ICP-OES)	BDL	0.03 - 5.0	0.05	No Relaxation
<b>Microbiological Parameters</b>							
30	E. coli	MPN/100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	
31	T. coli	MPN/100 ml	IS:1622: 1981 Reaffirmed: 2019	Absent	≥ 2 MPN Present or Absent per 100 ml	Shall not be detected in any 100 ml sample	

BDL=Below Detection Limit

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr. Verma)  
Lab-Incharge

  
Authorized Signatory  
(Ritu Garg)  
QM

## Annexure R-4 Colly

+91 7055000738  
bsingh@mnp.trivenigroup.com  
www.trivenigroup.com

पत्रांक: TEIL/MNP/2024

दिनांक 18.03.2024

सेवा में,

श्रीमान क्षेत्रीय अधिकारी  
उ०प्र० प्रदूषण नियंत्रण बोर्ड  
बुद्धि विहार, मुरादाबाद (उ०प्र०)

महोदय,

कृपया उ०प्र० प्रदूषण नियंत्रण बोर्ड के पत्र संख्या एच 61396/सी-7/जल 394/21 दिनांक 05.04.2021 का संदर्भ ग्रहण करें, जिसके द्वारा जल (प्रदूषण निवारण तथा नियंत्रण) अधिनियम 1974 की धारा 33 ए सपठित 27(2) के अन्तर्गत मै० त्रिवेणी इंजीनियरिंग एण्ड इण्डस्ट्रीज लिमिटेड मिलक नरायनपुर, रामपुर के विरुद्ध जारी नोटिस को इस शर्त के साथ निक्षेपित किया गया था कि उद्योग प्रत्येक त्रैमाह में उद्योग परिसर के भूगर्भीय जल एवं सिंचाई हेतु उपयोग की जाने वाली कृषि भूमि के भूगर्भीय जल एवं उद्योग द्वारा निस्तारित औद्योगिक उत्प्रवाह के जल की गुणवत्ता का अनुश्रवण राज्य बोर्ड से पेड बेसिस पर करायेगा।

उक्त के अनुपालन में उद्योग परिसर के भूगर्भीय जल एवं आस-पास के क्षेत्र में सिंचाई हेतु उपयोग किये जाने वाले जल तथा उद्योग द्वारा निस्तारित उत्प्रवाह जल की राज्य बोर्ड द्वारा परीक्षण की गई गुणवत्ता रिपोर्ट अग्रिम कार्यवाही हेतु प्रस्तुत की जा रही है।

(अधिकृत हस्ताक्षरी)

त्रिवेणी इंजीनियरिंग एण्ड इण्डस्ट्रीज लि०  
मिलक नरायनपुर, रामपुर (उ०प्र०)

प्रतिलिपि:

मुख्य पर्यावरण अधिकारी वृत्त-7  
टी सी 12 वी, विभूति खण्ड,  
गेमतीनगर, लखनऊ (उ०प्र०)



18/03/2024  
क्षेत्रीय विकास बोर्ड  
उ.प्र. प्रदूषण नियंत्रण बोर्ड  
आवास विकास कालोनी  
मुरादाबाद



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

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

Ref No: 25052347/Moradabad/2024

Date:18/03/2024

- 1- **Sample Location:** Vill. Milak Narayanpur, Near PNB Bank
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Anil Vishwkarma , SA, Vishal Bharti, LA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 Litr.
- 9- **Date of Sample Collection :** 11/03/2024
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 11/03/2024

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.38	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	3.08	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	586	0.1-10000 µS/cm
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	172	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	40.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	16.8	10-1000 mg/l

These standards are subject to revision

\*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**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

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

Ref No: 25052384/Moradabad/2024

Date:18/03/2024

- 1- **Sample Location:** Vill. Narayanpur
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Anil Vishwkarma , SA, Vishal Bharti, LA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 Litr.
- 9- **Date of Sample Collection :** 11/03/2024
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 11/03/2024

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.39	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	3.12	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	495	0.1-10000 µS/cm
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	160	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	35.2	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	17.28	10-1000 mg/l

These standards are subject to revision

\*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**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

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

Ref No: 25052434/Moradabad/2024

Date:18/03/2024

- 1- **Sample Location:** Vill. Peepli Nayak
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Anil Vishwkarma , SA, Vishal Bharti, LA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 Litr.
- 9- **Date of Sample Collection :** 11/03/2024
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 11/03/2024

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.58	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	3.01	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	454	0.1-10000 µS/cm
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	36.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	15.36	10-1000 mg/l

These standards are subject to revision

\*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**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

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

**Ref No: 25052486/Moradabad/2024**

**Date:18/03/2024**

**1- Sample Location:** Triveni Engineering & Industries Limited, TubeWell-2

**2- Address:** Sugar Unit-Milak Narayanpur

**3- Distirct:** Rampur

**4- Sample Source:** TubeWell

**5- Type of sample :** Ground Water

**6- Sample Collected By :** Anil Vishwkarma , SA, Vishal Bharti, LA

**7- Odour :** None

**8- Quantity and Packing :** 2 Litr.

**9- Date of Sample Collection :** 11/03/2024

**10- Analyis Indented by :** RO Moradabad

**11- Date of sample receipt in Lab :** 11/03/2024

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.56	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	2.91	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	520	0.1-10000 µS/cm
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	114	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	30.4	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	9.12	10-1000 mg/l

These standards are subject to revision

\*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**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**



**REGIONAL LABORATORY MORADABAD**  
**UTTAR PRADESH POLLUTION CONTROL BOARD**  
 1-A/I.N.S.-1, Avas Vikas Colony, Buddha Vihar, Delhi Road, Moradabad

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

**Ref No: 25052508/Moradabad/2024**

**Date:18/03/2024**

**1- Sample Location:** Triveni Engineering & Industries Limited, TubeWell-1

**2- Address:** Sugar Unit-Milak Narayanpur

**3- Distirct:** Rampur

**4- Sample Source:** TubeWell

**5- Type of sample :** Ground Water

**6- Sample Collected By :** Anil Vishwkarma , SA, Vishal Bharti, LA

**7- Odour :** None

**8- Quantity and Packing :** 2 Litr.

**9- Date of Sample Collection :** 11/03/2024

**10- Analyis Indented by :** RO Moradabad

**11- Date of sample receipt in Lab :** 11/03/2024

Parameter	Unit	Standards Source: IS 10500:2012(2nd Rev.) Required Acceptable Limit	Results	Detection Range
pH, APHA 24th Ed.4500-B: 2023	-	6.5-8.5	7.70	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	2.68	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	545	0.1-10000 µS/cm
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	154	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	39.2	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	13.44	10-1000 mg/l

These standards are subject to revision

\*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**  
**[Rajni Raj(JRF)]**

**Authorized by**

**Anil Vishwkarma (SA)**

**Regional Officer**







## Annexure R-6

ETRC/PM14/TEST-REP/FT/17

### TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2008/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

#### SAMPLE DETAILS

1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	Near Molasses Tank	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

#### TEST RESULT

Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.8	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	120.0	5 - 100
3	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	1310.0	10 - 10000
4	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	89.0	5 - 5000
5	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	39.0	1 - 90000
6	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	201.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2009/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

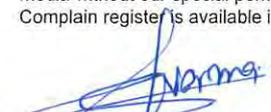
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	ETP Inlet	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

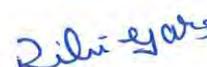
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	4.8	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	16.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	1325.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	218.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	470.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	1410.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2010/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	Aeration II <sup>nd</sup> Outlet	6	Sample Collected By	Industry Self
3	Sample received date	25.12.2020	7	Analysis Start Date	25.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	26.12.2020

### TEST RESULT

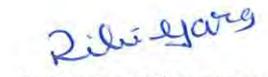
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	MLSS	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	1786.1	500 - 4500

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TES-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2011/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

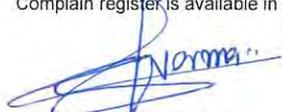
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	ETP Primary Clarifier	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

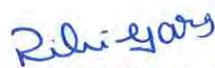
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.1	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	19.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	843.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	156.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	260.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	735.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2012/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

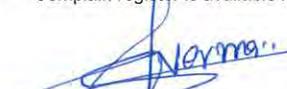
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	Godown Side	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.1	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	10.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	192.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	17.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	28.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	135.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2013/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

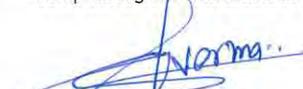
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	ETP Secondary Clarifier	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

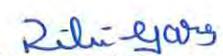
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.2	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	15.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	1140.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	26.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	15.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	225.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2014/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

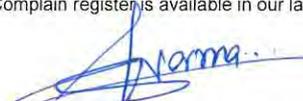
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	SRS Inlet	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

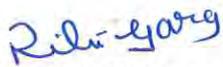
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	8.5	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	12.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	4122.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	142.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	325.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	811.0	5 - 135000
6	Sulphate (SO <sub>4</sub> )	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 SO <sub>4</sub> <sup>2-</sup> E	815.0	1 - 800

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2015/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

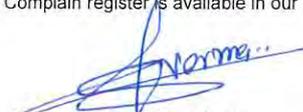
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	SRS Outlet	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

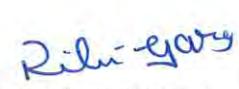
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.7	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	10.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	2056.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	26.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	18.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	73.0	5 - 135000
6	Sulphate (SO <sub>4</sub> )	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 SO <sub>4</sub> <sup>2-</sup> E	556.0	1 - 800

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2016/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	ETP Outlet	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

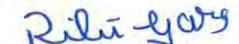
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.6	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	8.0	5 - 100
2	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	2048.0	10 - 10000
3	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	21.0	5 - 5000
4	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	14.0	1 - 90000
5	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	52.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/2017/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	Lagoon Treated	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	29.12.2020

### TEST RESULT

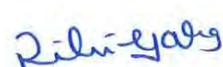
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500H <sup>+</sup>	7.7	1 - 14
2	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	5.0	5 - 100
3	Total Dissolved Solid (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	2056.0	10 - 10000
4	Total Suspended Solid (TSS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	23.0	5 - 5000
5	Bio-chemical Oxygen Demand (BOD)	mg/l	IS: 3025 (Part-44): 1993 Reaffirmed: 2019	11.0	1 - 90000
6	Chemical Oxygen Demand (COD)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-5220 B IS: 3025 (Part-58): 2006 Reaffirmed: 2017	49.0	5 - 135000

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

<b>Test Report Ref No.:</b> ETRC/2018/2020	<b>Date of Report :</b> 30/12/2020
<b>Name /Address/Type of Industry</b>	<b>Triveni Engineering &amp; Industries Limited</b> <b>Unit: Sugar</b> <b>Village: Milak Narayanpur, Tehsil: Swar</b> <b>District: Rampur (U.P.)</b>

### SAMPLE DETAILS

1	Water/ Waste Water	Ground Water	5	Packing Condition	Sealed
2	Sample Description	<b>Tubewell</b>	6	Sample Collected By	Industry self
3	Sample received date	25.12.2020	7	Analysis Start Date	25.12.2020
4	Sample Quantity	5.0 litre	8	Analysis End Date	29.12.2020

### TEST RESULT

Sr. No	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection	Indian Standard 10500 : 2012	
						Desirable	Permissible
<b>Physico-chemical Parameters</b>							
1	Colour	Hazen	IS: 3025 (Part-4): 1983 Reaffirmed: 2017	<5.0	5 - 100	5	15
2	Odour	-	IS: 3025 (Part-5): 1983 Reaffirmed: 2017	Agreeable	Qualitative	Agreeable	Agreeable
3	pH	-	APHA 23 <sup>rd</sup> Ed. 2017-4500 H <sup>+</sup>	7.6	1 - 14	6.5-8.5	No Relaxation
4	Turbidity	NTU	APHA 23 <sup>rd</sup> Ed. 2017-2130 B	BDL	2 - 40	1	5
5	Total Hardness as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2340 C	64.0	5 - 5000	200	600
6	Alkalinity as CaCO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2320 B	100.0	2 - 1000	200	600
7	Calcium as Ca	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Ca, B IS: 3025 (Part-40): 1991 Reaffirmed: 2019	16.03	2 - 900	75	200
8	Magnesium as Mg	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3500 Mg, B	5.83	0.2 - 400	30	100
9	Chloride as Cl	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500-Cl <sup>-</sup> B	8.0	2 - 2000	250	1000
10	Fluoride as F	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500 F <sup>-</sup> C	0.41	0.02 - 10	1.0	1.5
11	Total Dissolved Solids (TDS)	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 C IS: 3025 (Part-16): 1984 Reaffirmed: 2017	103.8	10 - 10000	500	2000
12	Sulphate as SO <sub>4</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- SO <sub>4</sub> <sup>2-</sup>	9.802	1 - 800	200	400
13	Nitrate as NO <sub>3</sub>	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-4500- NO <sub>3</sub> <sup>-</sup> IS: 3025 (Part-34): 1986 Reaffirmed: 2019	BDL	1.0 - 150	45	No Relaxation
14	Total Chromium	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 10	0.05	No Relaxation
15	Zinc as Zn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.067	0.05 - 15	5	15



## Test Report Ref No.: ETRC/2018/2020

16	Copper as Cu	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 – 10	0.05	1.5
17	Cadmium as Cd	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 – 2	0.003	No Relaxation
18	Nickel as Ni	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 – 10	0.02	No Relaxation
19	Manganese as Mn	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.05 - 5	0.1	0.3
20	Iron as Fe	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	0.11	0.05 - 10	0.3	No Relaxation
21	Lead as Pb	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.01 - 10	0.01	No Relaxation
22	Arsenic as As	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.02 - 2	0.01	0.05
23	Mercury as Hg	µg/l	APHA 23 <sup>rd</sup> Ed. 2017-3120 B (ICP-OES)	BDL	0.5 - 1000	1.0	No Relaxation

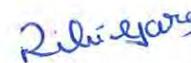
BDL=Below Detection Limit

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM



# ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

Office & Laboratory: 2/261, Vishwas Khand, Gomti Nagar, Lucknow- 226 010 (U.P.)

Email : ETRCLTH@YAHOO.IN, Web: www.etrcindia.com

ISO 9001:2015, ISO 14001 : 2015, OHSAS 18001 : 2007

An Approved Laboratory from Ministry of Environment, Forest and Climate change, Govt. of India under EPA 1986

ETRC/PM14/TEST-REP/FT/17

## TEST REPORT WATER ANALYSIS

Test Report Ref No.: ETRC/EPA/3945/2020	Date of Report : 30/12/2020
Name /Address/Type of Industry	Triveni Engineering & Industries Limited Unit: Sugar Village: Milak Narayanpur, Tehsil: Swar District: Rampur (U.P.)

### SAMPLE DETAILS

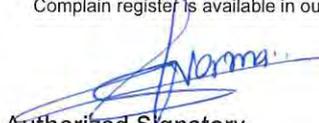
1	Water/ Waste Water	Waste water	5	Packing Condition	Sealed
2	Sample Description	Aeration 1 <sup>st</sup> Outlet	6	Sample Collected By	Industry Self
3	Sample received date	24.12.2020	7	Analysis Start Date	24.12.2020
4	Sample Quantity	2.0 liters	8	Analysis End Date	26.12.2020

### TEST RESULT

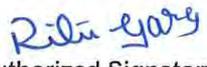
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	MLSS	mg/l	APHA 23 <sup>rd</sup> Ed. 2017-2540 D	2820.0	500 - 4500

..... END OF REPORT.....

- ETRC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices and that this data reflects our best attempt to generate accurate results for the sample, mentioned in the report as above.
- The result relate only to the items tested.
- ETRC does not assume any liability for any claims or damages related to the quality of parameter analyzed in the results and/or the performance of the equipment constituting to the results.
- All disputes subject to Lucknow jurisdiction.
- This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- Complain register is available in our laboratory.

  
Authorized Signatory  
(Sandeep Kr Verma)  
Lab-Incharge



  
Authorized Signatory  
(Ritu Garg)  
QM

Errand Enterprises Private Limited  
Correspondence Address & Regd. Office :  
1206, Pearls Omaxe, Plot No. B-1,  
Netaji Subhash Place,  
Pitampura, Delhi-110034 India  
Telephone : +91-11-2735 1017, +91-11-4183 3264  
CIN No. U74900DL2015PTC283463

## To whomsoever it May Concern

Date:13-12-2022

This is to bring to your kind notice that we M/s Errand Enterprises Private Limited -Authorized channel sales partner for Xylem WTW Online Instrument having our office at 12<sup>th</sup> floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034. We have Supplied & Installed Online water Quality monitoring system of Xylem WTW make.

The System has been installed at M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Tehsil: Swar District : Rampur (UP), INDIA.

The System measures online BOD, COD, TSS & PH real time at ETP outlet Water.

The System has been calibrated on 25-11-2022 at M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Tehsil: Swar District : Rampur (UP), INDIA. by Errand Engineer.

The system was calibrated based on outlet Effluent Report provided by M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Sample tested by Environmental and Technical Research Centre, Test Report no. ETRC/EPA/7249/2022, issued dated : 16-11-2022.

S.No	Parameter Name	Laboratory Results	Final values of online system after Calibration
1.	COD (mg/L)	102	115
2.	BOD (mg/L)	9	12
3.	TSS (mg/L)	10	12
4.	PH	7.6	7.10

The above information furnished is true to the best of our knowledge.

Thanks and Regards

Authorized Signatory



Errand Enterprises Private Limited



Errand Enterprises Private Limited  
 Correspondence Address & Regd. Office :  
 1206, Pearls Omaxe, Plot No. B-1,  
 Netaji Subhash Place,  
 Pitampura, Delhi-110034 India  
 Telephone : +91-11-2735 1017, +91-11-4183 3264  
 CIN No. U74900DL2015PTC283463

## To whomsoever it May Concern

Date: 06-12-2021

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized channel sales partner for Xylem WTW** having head office at 12<sup>th</sup> floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034 have Supplied & Installed Online effluent monitoring system of Xylem WTW make.

The system has been installed at **M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Tehsil: Swar, District Rampur (U.P)**

The System measures online BOD/COD/TSS/pH real time at [www.xylem-errand.com](http://www.xylem-errand.com).

The System has been calibrated on 29-11-2021 at M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Tehsil: Swar, District Rampur (U.P) by Errand Enterprises Engineer.

The system was calibrated based on outlet Effluent Report provided by M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Sample tested by Environmental and Technical Research Centre , Test Report no. ETRCPM14/TES-REP/FT/17, issued dated : 22-11-2021

S.No	Parameter Name	Laboratory Results	Final values of online system after Calibration
1.	COD (mg/L)	144	175
2.	BOD (mg/L)	18	19
3.	TSS (mg/L)	15.8	17
4.	pH	7.5	7.65

The above information furnished is true to the best of our knowledge.

Thanks and Regards

Authorized Signatory

Errand Enterprises Private Limited



## To whomsoever it May Concern

Date: 22-02-2021

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized Channel sales partner for Xylem WTW Online Instrument** having our office at 12th floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034. We have Supplied & Completed the installation of Online Water Quality Monitoring System of Xylem WTW make.

The System has been installed at **M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milaknarayanpur, U.P.**

The System measures online COD, BOD, TSS, pH & Flow real time at ETP Outlet Water.

The System has been calibrated on 21-02-2021 at **M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milanarayanpur** by Errand Engineer.

The System was calibrated based on outlet effluent lab report provided by **M/s Triveni Engineering & Industries Limited- Milaknarayanpur Unit, Rampur, Milaknarayanpur**. Outlet Sample tested by **Environmental & Technical Research Centre** having Test Report no. **ETRC/WW/2131/2021** issued date **19.02.2021**

S.No.	Parameter Name	Laboratory Result	Final values of online system after calibration
1	COD (mg/L)	132	124.4
2	BOD (mg/L)	15	11.5
3	TSS (mg/L)	17	11.4
4	pH	7.8	7.24

The above information furnished is true to the best of our knowledge.

Thanks & Regards

Authorized Signatory

Errand Enterprises Pvt Ltd

F- CAL-01

## To whomsoever it May Concern

Date: 26-11-2023

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized Channel sales partner for Xylem WTW Online Instrument** having our office at 12th floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034. We have Supplied & Completed the installation of Online Water Quality Monitoring System of Xylem WTW make.

The System has been installed at **M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milaknarayanpur, U.P.**

The System measures online COD, BOD, TSS, pH & Flow real time at ETP Outlet Water.

The System has been calibrated on 25-11-2023 at **M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milaknarayanpur** by Errand Engineer.

The System was calibrated based on outlet effluent lab report provided by **M/s Triveni Engineering & Industries Limited- Milaknarayanpur Unit, Rampur, Milaknarayanpur**. Outlet Sample tested by **Environmental & Technical Research Centre** having Test Report no. **ETRC/EPA/9789/2023** issued date **18.11.2023**

S.No.	Parameter Name	Laboratory Result	Final values of online system after calibration
1	COD (mg/L)	84	86.2
2	BOD (mg/L)	11	12.8
3	TSS (mg/L)	10	10.3
4	pH	7.6	7.87
5	Flow	As per V-Notch Standard	

The above information furnished is true to the best of our knowledge.

Thanks & Regards

Authorized Signatory



Errand Enterprises Pvt Ltd

F- CAL-01



## To whomsoever it May Concern

Date: 19-02-2023

This is to bring to your kind notice that we M/s Errand Enterprises Private Limited -Authorized Channel sales partner for Xylem WTW Online Instrument having our office at 12th floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034. We have Supplied & Completed the installation of Online Water Quality Monitoring System of Xylem WTW make.

The System has been installed at M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milaknarayanpur, U.P.

The System measures online COD, BOD, TSS, pH & Flow real time at ETP Outlet Water.

The System has been calibrated on 18-02-2023 at M/s Triveni Engineering & Industries Limited-Milaknarayanpur Unit, Rampur, Milaknarayanpur by Errand Engineer.

The System was calibrated based on outlet effluent lab report provided by M/s Triveni Engineering & Industries Limited- Milaknarayanpur Unit, Rampur, Milaknarayanpur. Outlet Sample tested by Environmental & Technical Research Centre having Test Report no. ETRC/EPA/7894/2023 issued date 08.02.2023.

S.No.	Parameter Name	Laboratory Result	Final values of online system after calibration
1	COD (mg/L)	110	113
2	BOD (mg/L)	11	11.8
3	TSS (mg/L)	11	12.3
4	pH	7.6	7.91
5	Flow	As per V-Notch Standard	

The above information furnished is true to the best of our knowledge.

Thanks & Regards

Authorized Signatory

Errand Enterprises Pvt Ltd



Errand Enterprises Private Limited  
 Correspondence Address & Regd. Office :  
 1206, Pearls Omaxe, Plot No. B-1,  
 Netaji Subhash Place,  
 Pitampura, Delhi-110034 India  
 Telephone : +91-11-2735 1017, +91-11-4183 3264  
 CIN No. U74900DL2015PTC283463

## To whomsoever it May Concern

Date: 17-02-2022

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized channel sales partner for Xylem WTW Online Instrument** having our office at 12<sup>th</sup> floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034. We have Supplied & Installed Online water Quality monitoring system of Xylem WTW make.

The System has been installed at **M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Tehsil: Swar District : Rampur (UP), INDIA.**

The System measures online BOD, COD, TSS & PH real time at ETP outlet Water.

The System has been calibrated on 16-02-2022 at **M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Tehsil: Swar District : Rampur (UP), INDIA.** by Errand Engineer.

The system was calibrated based on outlet Effluent Report provided by **M/s Triveni Engineering & Industries Limited Uit Sugar, Village Milaknarayanpur, Sample tested by Environmental and Technical Research Centre, Test Report no. ETRC/EPA/5724/2022, issued dated : 14-02-2022.**

S.No	Parameter Name	Laboratory Results	Final values of online system after Calibration
1.	COD (mg/L)	96	97.3
2.	BOD (mg/L)	15	13.9
3.	TSS (mg/L)	13	12.8
4.	PH	7.6	7.55

The above information furnished is true to the best of our knowledge.

Thanks and Regards

Authorized Signatory

Errand Enterprises Private Limited



Errand Enterprises Private Limited  
Correspondence Address & Regd. Office :  
1206, Pearls Omaxe, Plot No. B-1,  
Netaji Subhash Place,  
Pitampura, Delhi-110034 India  
Telephone : +91-11-2735 1017, +91-11-4183 3264  
CIN No. U74900DL2015PTC283463

## To whomsoever it May Concern

**Date: 24-11-2020**

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized channel sales partner for Xylem WTW Online Instrument** having our office at 12<sup>th</sup> floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034

**The System measures online BOD, COD, TSS, pH real time at ETP Outlet.**

The System has been installed at M/s Triveni Engineering & Industries Limited Unit: Sugar, Village: Milak Narayanpur, Tehsil: Swar, District: Rampur (UP).

The System has been calibrated on 23-11-2020 at M/s Triveni Engineering & Industries Limited Unit: Sugar, Village: Milak Narayanpur, Tehsil: Swar, District: Rampur (UP). by errand service engineer at site.

The system was calibrated based on outlet Effluent report provided by M/s Triveni Engineering & Industries Limited Unit: Sugar. Sampling by **Environmental and Technical research centre**, Report no. **ETRC/EPA/3750/2020**, dated: **20-11-2020**

S.No	Parameter Name	Laboratory Results	Final values of online system after Calibration
1.	COD (mg/L)	148	185
2.	BOD (mg/L)	15.2	19
3.	TSS (mg/L)	16.6	19
4.	PH	7.6	7.52

The Data originated from the system is being hosted at [www.xylem-errand.com](http://www.xylem-errand.com).

The above information furnished is true to the best of our knowledge.

Thanks and Regards

Authorized Signatory

Errand Enterprises Private Limited

## To whomsoever it May Concern

Date: 06-12-2021

This is to bring to your kind notice that we **M/s Errand Enterprises Private Limited -Authorized channel sales partner for Xylem WTW** having head office at 12<sup>th</sup> floor Pearls Omaxe building Netaji Subhash Place Pitampura Delhi-110034 have Supplied & Installed Online effluent monitoring system of Xylem WTW make.

The system has been installed at **M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Tehsil: Swar, District Rampur (U.P)**

**The System measures online BOD/COD/TSS/pH real time at [www.xylem-errand.com](http://www.xylem-errand.com).**

The System has been calibrated on 29-11-2021 at M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Tehsil: Swar, District Rampur (U.P) by Errand Enterprises Engineer.

The system was calibrated based on outlet Effluent **Report provided by M/s Triveni Engineer & Industries Limited Unit Sugar, Village : Milak Narayanpur, Sample tested by Environmental and Technical Research Centre , Test Report no. ETRCPM14/TES-REP/FT/17, issued dated : 22-11-2021**

S.No	Parameter Name	Laboratory Results	Final values of online system after Calibration
1.	COD (mg/L)	144	175
2.	BOD (mg/L)	18	19
3.	TSS (mg/L)	15.8	17
4.	pH	7.5	7.65

The above information furnished is true to the best of our knowledge.

Thanks and Regards

Authorized Signatory



Errand Enterprises Private Limited



Satya Jha &lt;jhasatya122@gmail.com&gt;

---

**Service: Anuradha v. State of U.P. & Ors., O.A No. 234 of 2020 |- Rejoinder**

1 message

---

**Satya Jha** <jhasatya122@gmail.com>

17 April 2024 at 18:09

To: Anu Chauhan &lt;anuc039@gmail.com&gt;, pradeepmisra@yahoo.com, daleepdhayani@yahoo.co.in

Cc: Anunaya Mehta &lt;anunaya.mehta@gmail.com&gt;

Dear all,

Please find attached the rejoinder being filed in the captioned matter.

Best regards,  
Satya Jha**Rejoinder to UPPCB reply.pdf**

12894K