

BEFORE THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH AT NEW DELHI

ORIGINAL APPLICATION NO. 234 of 2020

IN THE MATTER OF:

ANURADHA

... APPLICANT

VERSUS

GOVERNMENT OF UTTAR PRADESH & ORS.

...RESPONDENTS

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N.D.O.H.: 09.09.2025

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NEW DELHI

DATED: 05 .09.2025



(PRADEEP MISRA & DALEEP DHYANI)

Counsel for U.P. Pollution Control Board

138, New Lawyers Chamber,

Supreme Court of India,

New Delhi-110001

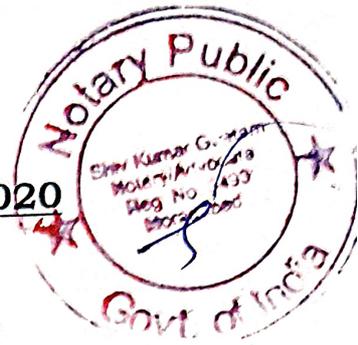
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BEFORE THE HON'BLE NATIONAL GREEN
TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI



ORIGINAL APPLICATION NO. 234 OF 2020



IN THE MATTER OF:

ANURADHA

...APPLICANT

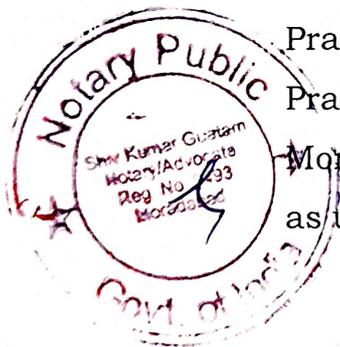
VERSUS

GOVERNMENT OF UTTAR PRADESH & ORS.

...RESPONDENTS

RESPONSE ON BEHALF OF THE RESPONDENT NO.-2,
UTTAR PRADESH POLLUTION CONTROL BOARD, IN
COMPLIANCE TO THE ORDER DATED 07.05.2025
PASSED BY THE HON'BLE NATIONAL GREEN
TRIBUNAL, PRINCIPAL BENCH, NEW DELHI

I, Deo Kumar Gupta aged about 57 years S/o Vibhuti Prasad Gupta presently posted as Regional Officer, Uttar Pradesh Pollution Control Board (hereinafter UPPCB), Moradabad, do hereby solemnly affirm and state on oath as under:

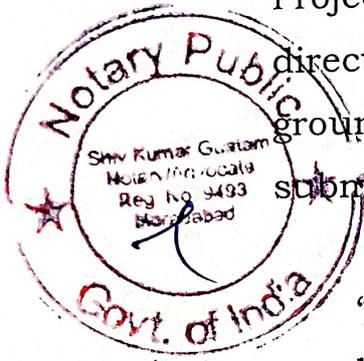


1. That I the deponent in official capacity mentioned above, am acquainted with the facts and circumstances of the case and as such I am competent and authorized to swear this affidavit.

[Handwritten signature]

2. That the present affidavit pursuant to the order dated 07.05.2025 is being filed on the basis of official record in the office of Regional Office, UPPCB, Moradabad.

3. That this Hon'ble Tribunal vide order dated 07.05.2025 was pleased to direct the UPPCB to verify the details disclosed in an affidavit filed by the Project Proponent. This Hon'ble Tribunal has also directed the UPPCB to ascertain the status of ground water quality in the area concerned and submit its report. The said order reads as under:



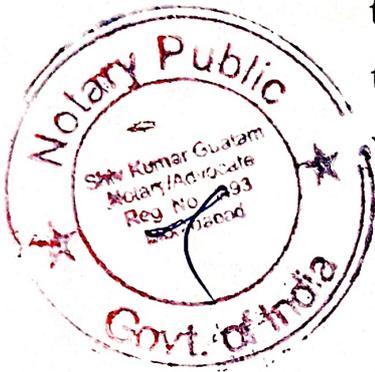
"1. Learned counsel appearing for the Applicant has referred to the deficiencies which have been found in the Joint Inspection report dated 23.12.2024. The stand of the counsel for the Respondent-Project Project is that these deficiencies have been cured and remedial action has been taken. Hence, we direct the Respondent - Project Proponent to file further affidavit disclosing the pointwise curing of each of the deficiencies which have been found by the Joint Committee and compliance of the suggestions given by the Joint Committee.

2. Learned Senior counsel for the Respondent-Project Proponent submits that the said affidavit will be filed within three weeks. An

[Handwritten signature]

advance copy of this affidavit be supplied to the counsel for the UP PCB who has sought further six weeks' time to verify the details disclosed in that affidavit. The Respondent UPPCB will also ascertain the status of ground water quality in the area concerned and will submit the report within six weeks.

3. The Applicant will also have an opportunity to file objection to the compliance affidavit of the Project Proponent and report of the PCB within three weeks after submission of affidavit and report.



4. List on 09.09.2025.”

4. That in compliance of the direction passed by this Hon'ble Tribunal and in pursuance of the compliance affidavit filed by the Project Proponent, officials of UPPCB have undertaken the site visit and carried out the inspection of M/s Triveni Engineering and Industries Ltd. (Sugar Division), Village-Milak Narayanpur, Tehsil-Tanda, Rampur on 29.08.2025 in presence of the representative of the unit in question. The officers have also taken groundwater sample and the analysis of the same reveals that it is within norms.

[Handwritten signature]

A verification report to the compliance affidavit along with its respective annexure is being annexed herewith as Annexure R2/1.

- 5. That in pursuance of the direction passed by this Hon'ble Tribunal and reply filed by the Project Proponent regarding compliance, the verification report on behalf of the Uttar Pradesh Pollution Control Board is being submitted before this Hon'ble Tribunal for kind perusal and consideration.



[Signature]
 DEPONENT

VERIFICATION

Verified at Moradabad on this the 4th day of September, 2025 that the contents of the above affidavit are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom.

[Signature]
 DEPONENT

Solemnly affirmed before me by Sri/Smt./Km. Deo Kumar Gupta
 deponent who is identified by Sri/Smt./Km. 04.9.2025
 Clerk of Sri/Smt./Km. [Signature] Advocate on
 I have satisfied my staff after examining the deponent
 that he/she understood the contents of the affidavit and the
 same has been read over & explained by me
 Fevd. Rs. _____ as fees

[Signature]
 Shiv Kumar Gautam
 Notary/Advocate
 Regd. No. 2093
 Moradabad
04.9.2025

ANNEXURE-1

क्षेत्रीय कार्यालय
उ०प्र० प्रदूषण नियंत्रण बोर्ड
1-ए/आई.एन.एस.-1, आवास विकास कालोनी, बौद्ध विहार,
दिल्ली रोड, मुरादाबाद

ई-मेल : romoradabad@uppcb.in, दूरभाष : 0591-2972012

पत्र संख्या : 1605 / N-13 / 234 / 20 जनरल

दिनांक 01 / 09 / 2025

सेवा में,

मुख्य पर्यावरण अधिकारी (वृत्त-7),
उ०प्र० प्रदूषण नियंत्रण बोर्ड,
लखनऊ।

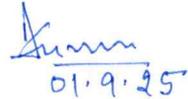
विषय : माननीय राष्ट्रीय हरित अधिकरण, नई दिल्ली में दायर ओ०ए० सं० 234/2020 (आई०ए० सं० 575/2024 एवं 351/2024) अनुराधा बनाम गर्वनमेन्ट ऑफ उत्तर प्रदेश व अन्य में पारित आदेश दिनांक 07.05.2025 के अनुपालन के संबंध में।

महोदय,

कृपया उपरोक्त विषयक अपने पत्रांक एच 29334/सी-7/ओ०ए० नं० - 237/20-25 दिनांक 18.06.2025 का संदर्भ ग्रहण करने का कष्ट करें। तत्कम में उक्त प्रकरण के संबंध में सम्बन्धित उद्योग मैसर्स त्रिवेणी इंजीनियरिंग एवं इण्डस्ट्रीज लि०, रामपुर का निरीक्षण इस कार्यालय द्वारा दिनांक 29.08.2025 को किया गया। निरीक्षण आख्या मय संलग्नकों सहित पत्र के साथ संलग्न कर इस अनुरोध के साथ प्रेषित है कि कृपया आख्या को विधि अनुभाग से विधिकृत कराने का कष्ट करें, जिससे कि आख्या मा० अधिकरण के समक्ष ससमय दाखिल की जा सके।

संलग्नक - यथोपरि।

भवदीय


01.9.25

(देव कुमार गुप्ता)
क्षेत्रीय अधिकारी

प्रतिलिपि - मुख्य विधि अधिकारी (प्रभारी), उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ को सादर सूचनार्थ प्रेषित।



क्षेत्रीय अधिकारी

माननीय राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित ओ0ए0 नं0 234/2020 (आई0ए0 सं0 575/2024 एवं 351/2024) अनुराधा बनाम गवर्नमेन्ट ऑफ उत्तर प्रदेश व अन्य में पारित आदेश दिनांक 07.05.2025 के अनुपालन के संबंध में आख्या—

उपरोक्त विषयक माननीय राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित ओ0ए0 नं0 234/2020 (आई0ए0 सं0 575/2024 एवं 351/2024) अनुराधा बनाम गवर्नमेन्ट ऑफ उत्तर प्रदेश व अन्य में मा0 अधिकरण द्वारा दिनांक 07.05.2025 को आदेश पारित किये गये है, जिसके मुख्य अंश निम्नवत् है—

".....1. Learned counsel appearing for the Applicant has referred to the deficiencies which have been found in the Joint Inspection report dated 23.12.2024. The stand of the counsel for the Respondent-Project Project is that these deficiencies have been cured and remedial action has been taken. Hence, we direct the Respondent - Project Proponent to file further affidavit disclosing the pointwise curing of each of the deficiencies which have been found by the Joint Committee and compliance of the suggestions given by the Joint Committee.

2. Learned Senior counsel for the Respondent-Project Proponent submits that the said affidavit will be filed within three weeks. An advance copy of this affidavit be supplied to the counsel for the UP PCB who has sought further six weeks' time to verify the details disclosed in that affidavit. The RespondentUPPCB will also ascertain the status of ground water quality in the area concerned and will submit the report within six weeks....."

माननीय राष्ट्रीय हरित अधिकरण, नई दिल्ली द्वारा पारित उक्त आदेश के अनुपालन में प्रश्नगत उद्योग द्वारा संयुक्त निरीक्षण आख्या दिनांक 23.12.2020 में वर्णित कमियों के अनुपालन के संबंध में आख्या अपने पत्र सं0 TEIL/MNP/501 दिनांक 22.08.2025 के माध्यम से क्षेत्रीय कार्यालय, उ0प्र0 प्रदूषण नियंत्रण बोर्ड, मुरादाबाद में दिनांक 23.08.2025 को प्राप्त करायी गयी। संयुक्त निरीक्षण आख्या दिनांक 23.12.2020 में वर्णित कमियों के सुधारात्मक अनुपालन के संबंध में उद्योग द्वारा प्रस्तुत आख्या के परिशीलन के पश्चात् आख्या में वर्णित बिन्दुओं के सत्यापन के संबंध में उद्योग मैसर्स त्रिवेणी इंजीनियरिंग एण्ड इण्डस्ट्रीज लि0 (शुगर इकाई), ग्राम मिलक नारायणपुर, तहसील टाण्डा, रामपुर का अद्यतन निरीक्षण अधोहस्ताक्षरकर्ताओं द्वारा दिनांक 29.08.2025 को किया गया। निरीक्षण के समय उद्योग ऑफ सीजन के कारण उत्पादनरत नहीं पाया गया तथा उद्योग प्रतिनिधि के रूप में श्री चन्द्रशेखर सिंह, डी.जी.एम (एच.आर एण्ड एडमिन) उपस्थित थे। सत्यापन आख्या निम्नवत् है—

क्र0 सं0	संयुक्त निरीक्षण आख्या दिनांक 23.12.2020 में की गयी संस्तुति	उद्योग का प्रतिउत्तर	सत्यापन आख्या
1	The Unit Shall ensure to operate the mill at consented capacity of 5000 TCD as granted by UPPCB under Water (Prevention & Control of Pollution) Act, 1974 (as amended)	The unit has operated in the past and continues to operate the sugar mill only at the consented capacity.	<ul style="list-style-type: none"> As per the CTO issued by UPPCB, the Cane Crushing Capacity of the uni is 5000 TCD. The unit has submitted a letter No. 629/कय/रामपुर Dated 26-07-2023 issued by District Cane Officer, Rampur. According to the said letter, it is mentioned that the average cane crushed during the crushing season 2020-21 by the unit was 4932 TCD. The copy of letter is annexed as annexure - 01.

			<ul style="list-style-type: none"> The unit has presented the copy of RT 8(C), during the inspection. According to the RT 8(C), the average cane crushed during the crushing season 2023-24 by the unit was 4723 TCD and during the crushing season 2024-25 by the unit was 4506 TCD. The copy of the RT 8(C) is annexed as annexure - 02. As per above, it is clear that the unit has not crushed the cane beyond the consented capacity i.e. 5000 TCD.
2	The Unit shall obtain the valid NOC from Central Ground Water Authority (CGWA) to abstract ground water.	<p>The Unit had NOC dated 13.07.2017 issued by CGWA to abstract ground water which was valid till 12.07.2019. The application for renewal of NOC had been submitted prior to its expiry, on 22.06.2019 itself. However, no decision on the application had been taken as on the date of Joint inspection. In terms of para 44 of the Notification dated 24.09.2020 issued by CGWA, the NOC of the unit would stand deemed to have been approved till the date of renewal. Therefore, there is no violation on this count by the unit.</p> <p>Subsequently, NOCs have been issued by the State Ground Water Department which are valid till 17.06.2026 and 26.02.2026 respectively. Therefore, the recommendation has been complied with.</p>	<ul style="list-style-type: none"> The unit has installed two numbers borewell for ground water abstraction. The unit has obtained the NOC from UPGWD and the validity of the NOC's are upto 17-06-2026 and 26-02-2026 respectively. The copy of the NOC's are annexed as annexure - 03.
3	The unit shall ensure proper operation & maintenance of ETP and also ensure proper stabilization of ETP.	The Unit is ensuring proper maintenance and operation of ETP and also ensuring proper stabilization of ETP. No adverse observation regarding this observation has been made or communicated to the Unit till date.	<ul style="list-style-type: none"> As per the office records, the sample from outlet of ETP was collected by UPPCB on dated 13-01-2025 and was analyzed in the Regional Laboratory of UPPCB, Moradabad. As per the analysis report the parameters were found as per the prescribed norms. The copy of the analysis report is annexed as annexure - 04.

			<ul style="list-style-type: none"> • Apart from that, during inspection, the unit has presented the analysis report dated 26-12-2024 of sample collected from ETP outlet analyzed by the lab authorized from MoEF & CC, GoI M/s Environmental & Technical Research Centre, Gomti Nagar, Lucknow. As per the analysis report the parameters were found as per the prescribed norms. The copy of the analysis report is annexed as annexure - 05.
4	The unit shall maintain adequate MLSS /MLVSS ratio in aeration tank while operating the ETP and ensure proper stabilization of ETP.	As explained, the unit was already maintaining adequate MLSS / MLVSS ratio in aeration tank. Even as on date, the unit is fully compliant.	<ul style="list-style-type: none"> • During inspection, the unit has presented the analysis report dated 26-12-2024 of sample collected from aeration tank (I & II) analyzed by the lab authorized from MoEF & CC, GoI M/s Environmental & Technical Research Centre, Gomti Nagar, Lucknow. • As per the analysis reports, the values of MLSS were found - 3000 mg/ltr and 2800 mg/ltr respectively. The values were found within the prescribed norms. The copy of the analysis report is annexed as annexure - 06.
5	The Unit shall install flow meter to measure separate flow at ETP outlet.	This recommendation has been complied with and the requisite flowmeter has been installed.	<ul style="list-style-type: none"> • During inspection, the electro magnetic flowmeter was found installed at the outlet of ETP. Apart from that, the unit has also installed Online Continuous Effluent Monitoring System (OCEMS) at the outlet of ETP. During crushing season the real time data continuously reflects on the server of CPCB. • The photograph of flowmeters of ETP outlet is annexed as annexure - 07.
6	The Unit shall relocate the inlet flow meter from feed to primary clarifier from ET to main inlet channel of ETP to avoid any possibility of effluent	This recommendation has been complied with and the requisite flowmeter has been installed.	<ul style="list-style-type: none"> • During inspection, the electro magnetic flowmeter was found installed at the inlet channel of ETP. During inspection no bypass channel was found at the inlet of ETP.

	bypass before ET.		<ul style="list-style-type: none"> The photograph of flowmeter of inlet of ETP is annexed as annexure - 08.
7	The unit shall install a separate flow meter at outlet of SRS to estimate the separate effluent generation after treatment from SRS.	This recommendation has been complied with and the requisite flowmeter has been installed.	<ul style="list-style-type: none"> During inspection, the separate electro magnetic flowmeter was found installed at the outlet of sulphur recovery system (SRS). The photograph of SRS flowmeter is annexed as annexure - 09.
8	The unit shall install a flow meter at the pumping point of treated effluent from storage lagoon for keeping the record of treated effluent quantity being pumped to farmers for irrigation purpose.	This recommendation has been complied with and the requisite flowmeter has been installed.	<ul style="list-style-type: none"> During inspection, the separate electro magnetic flowmeter was found installed at the pumping point of treated water lagoon. At that point, the unit supplies the treated water to the nearest farmers for irrigation purpose. The photograph of above is annexed as annexure - 10.
9	The unit shall restrict the capacity of treated effluent storage lagoon to 15 days holding capacity.	The capacity of the effluent treated storage lagoon was restricted to 15 days holding capacity even at the time of inspection, as explained above and as confirmed by UPPCB in its reply. The unit continues to comply with the requirements.	<ul style="list-style-type: none"> As per the notification dated 14-01-2016, issued by MoEF & CC Gol, "Final treated effluent discharge restricted to 100 Liter per Ton of cane crushed and waste water from spray pond over flow or cooling tower blow down to be restricted to 100 Liter per Ton of cane crushed and only single outlet point from unit is allowed." As per above, according to the capacity of unit i.e. 5000 TCD, the unit should install a treated water lagoon of capacity 15000 KL (Max.) for 15 days. The unit has installed a treated water lagoon of capacity 12990 KL, which is according to the above notification. The unit has presented a copy of the layout of the said lagoon which is annexed as annexure no 11.
10	Large volume of backwash water stored in a separate lagoon shall immediately be treated in ETP; and the unit shall dismantle/level the lagoon. Also, the unit shall discontinue the practice of storing	The backwash stored in the lagoon was treated through the ETP soon after the joint-inspection, as per usual practice at that time, followed to ensure proper treatment of all effluent through the ETP. Following the recommendation of the joint committee, the	<ul style="list-style-type: none"> The said lagoons (02 numbers) are not the part of Sugar Unit at present. The lagoons are in the ownership of the sister concern distillery unit. At present, one lagoon is used for storage of condensate water and another lagoon is used as rain water harvesting pit by the

	backwash effluent in lagoon.	practice has been stopped. Further, the lagoon is no longer associated with the ETP of the unit. Rather, the lagoon has been designated for use as Condensate Lagoon for the adjacent distillery as per sanction / consent. Therefore, this lagoon is no longer part of the sugar unit. The recommendation stands complied with.	distillery unit. <ul style="list-style-type: none"> At the time of inspection, no back wash water was found collected in any lagoon.
11	The unit shall dismantle/level the extra lagoon observed adjacent to treated effluent storage lagoon.	As far as second lagoon is concerned, the lagoon is no longer associated with the ETP of the unit. Rather, the lagoon has been designated for use at the adjacent distillery as per sanction / consent. Therefore, this lagoon is no longer part of the sugar unit. The recommendation stands complied with.	As per above point no. 10.
12	The unit shall submit a time bound action plan for dismantling/levelling the pond which was being used for storage of molasses earlier, in a scientific manner.	Temporary pond behind molasses tank no. 2, was earlier being used for molasses storage (lined pit) after taking due permission of competent authority. During the inspection also, levelling/ refilling work was in progress which was observed by the joint committee officials also. The said pond has been duly dismantled. The site forms a part of the distillery duly approved layout plan, which is set adjacent to the sugar unit and is currently being used by them as 'Water storage Tank'. Therefore, the recommendation stands complied with.	<ul style="list-style-type: none"> The unit has dismantled and levelled the said molasses tank. The plantation has been done by the unit on that land. The photograph of above is annexed as annexure - 12.
13	Since the Temporary Pond behind molasses tank no-02 was being used as molasses storage earlier, hence the unit shall submit a time bound action plan for dismantling/levelling the	Filled water in low lying area has already been shifted to ETP for treatment and its disposal. Further, the leveling of the said area has already been done. It may be noted that presently on the site in question, a portion of distillery has been constructed	<ul style="list-style-type: none"> During the inspection, no water logging was found on the said part of land. The unit has levelled the said area and at present it is used as a part of sister concern distillery unit.

	pond in a scientific manner.	and no longer remains a part of the sugar Unit. Therefore, the recommendation stands complied with.	
14	The unit shall ensure the proper treatment/operation of its SRS system.	The Unit was fully compliant at the time of Inspection. SRS system was and continues to operate properly. Further, the unit has invested a huge amount of Rs. 16.37 Cr. and completely changed its process for sugarcane juice clarification from Double Sulphitation (DS) to Defco-Melt Phosphotation Process (DMP) which does not use Sulphur at all.	<ul style="list-style-type: none"> As per the office records, the unit has stopped the double sulphitation process and moved to Defco & Melt Phosphotation Process (DMP) since the crushing season 2023-24. At present the unit is not using sulphur in its process of sugar manufacturing. At present the unit uses the SRS for treatment of cooling tower over flow. The quantity of sulphur is negligible in the effluent. The unit has informed earlier regarding the same vide its letter no. TEIL/MNP/2024 dated 12-10-2023. The copy of above letter is annexed as annexure - 13.
15	The unit shall maintain volume-wise records for the press mud and boiler ash generation & disposal.	The Joint Committee has itself observed and mentioned (in Point 23 of the Observations) that the logbooks in question are being maintained. Therefore, nothing further is required in terms of this recommendation.	<ul style="list-style-type: none"> The unit, vide its letter no. TEIL/MNP/515 dated 29-08-2025, informed that the unit sales the press mud to M/s Arin Enterprises, Village Bhaypur, Post Sharifnagar, District Moradabad. The unit has made an agreement with the above company for the same. During the inspection, no press mud was found stored in the unit premise. The unit, vide its letter no. TEIL/MNP/513 dated 29-08-2025, informed that the total fly ash generated was 171494 MT since commissioning of the unit i.e. 2006-07. Before erection of the sister concern distillery unit approx 102000 MT of fly ash was utilized in filling of low lying area. Approx 44994 MT of fly ash was utilized in 55560 sqm low lying area in filling. The plantation on approx half of the land has been

			<p>done and rest is proposed to be done on that area.</p> <ul style="list-style-type: none"> • Approx 18000 MT of fly ash was utilized in 22240 sqm low lying area in filling. The plantation is proposed to be done on that area. • At present approx 6500 MT of fly ash is stored in the unit premise. The disposal of above fly ash is proposed to be done through NHAI/PWD/other construction projects. • The copy of the above letters are annexed as annexure - 14 & 15.
16	<p>The contamination in Ground Water has been observed, hence it is recommended that CGWA may be asked to look into the matter, and arrangement for deep borewell for drinking water should be made.</p>	<p>The Unit has no objection to the recommendation made by the Inspection Committee regarding the ground water study and agrees that the same may be carried out by UPGWD / CGGWD. With respect to the possibility of contribution of Unit to the status of ground water, the Unit at its own expenses has carried out, a source apportionment study by an independent hydrologist and placed the report on record before this Hon'ble Tribunal. The findings of this study rule out any contribution by the Unit and instead indicate several other potential localized factors that may be influencing the status of the ground water.</p>	<ul style="list-style-type: none"> • As per the office records, the UPPCB has collected the ground water samples from the unit premise and nearby areas and analyzed in the Regional Laboratory of UPPCB, Moradabad. • As per the analysis reports, the parameters of the collected samples were found as per prescribed norms. • The samples were collected from the following points - <ol style="list-style-type: none"> 1- Borewell No. 1, M/s Triveni Engineering and Industries Limited, Village Milak Nararyanpur, Rampur (Sugar Unit). 2- Borewell No. 2, M/s Triveni Engineering and Industries Limited, Village Milak Nararyanpur, Rampur (Sugar Unit). 3- Nearby Punjab National Bank, Near gate of M/s Triveni Engineering and Industries Limited, Village Milak Nararyanpur, Rampur (Sugar Unit), 4- Near the temple behind M/s Triveni Engineering and Industries Limited, Village Milak Nararyanpur, Rampur (Sugar Unit). 5- RRC Centre, Behind industry campus.

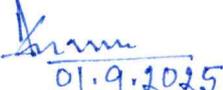
			<p>6- Global Institute of Education, PG College, Village Narayanpur, Rampur.</p> <p>7- Near the House of Mr. Shiv Kumar S/o Madan Singh, Village Narayanpur, Rampur.</p> <p>8- Near Shiv Temple, Village Pipli Nayak, Rampur.</p> <p>9- Opposite Sehkari Samiti, Village Pipli Nayak, Rampur.</p> <p>10- Opposite Saraswati Girls PG College, Village Sarakthal, Rampur.</p> <p>11- Near the House of Mr. Naresh S/o Ishwari Singh, Village Sarakthal, Rampur.</p> <p>12- Near the House of Mr. Jhanjan Singh S/o Shri Natthu Singh, Village Mehmampur, Rampur.</p> <p>13- Near Hanuman Mandir, Village Mehmampur, Rampur.</p> <ul style="list-style-type: none"> • The copy of the analysis reports are annexed as annexure - 16. • Apart from that, the unit has submitted the analysis reports of ground water samples collected by UP Ground Water Department, Moradabad and analyzed by the NABL accredited laboratory M/s Metal Handicrafts and Service Centre, Moradabad. • The copy of the analysis reports are annexed as annexure - 17.
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मा० अधिकरण में दाखिल किये जाने से पूर्व उक्त प्रकरण को विधि अनुभाग से विधिकृत कराये जाने की संस्तुति सहित आख्या आपके अवलोकनार्थ एवं अग्रिम आवश्यक कार्यवाही हेतु सादर प्रस्तुत है।


01/9/2025

(संतोष कुमार)

सहायक पर्यावरण अभियन्ता


01.9.2025

(देव कुमार गुप्ता)

क्षेत्रीय अधिकारी

मुख्य पर्यावरण अधिकारी (वृत्त-7) महोदय

कार्यालय जिला गन्ना अधिकारी, रामपुर।
गन्ना भवन निकट राम रहीम पुल, सिविल लाइन्स, रामपुर
dcorampur@rediffmail.com
phone no. 0595 3583973

पत्रांक 629 / क्रय / दिनांक रामपुर 26 जुलाई 2023।

प्रमाण-पत्र

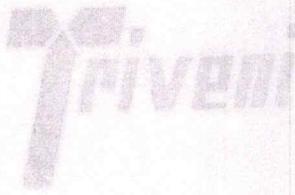
प्रमाणित किया जाता है कि मै. त्रिवेणी इन्जिनियरिंग एण्ड इन्डस्ट्रीज लिमिटेड यूनिट- मिलक नरायनपुर, जिला रामपुर का पेराई सत्र 2020-21 का आर.टी.-8सी में Rate of Curshing Per 24 Hours (Including stoppage) निम्न विवरणानुसार है :-

क्र.सं.	पेराई सत्र	पेराई औसत (टी.सी.डी.)
1	2020-21	4932

(शैलेश कुमार मौर्य)
जिला गन्ना अधिकारी
रामपुर।

पत्रांक 629 / क्रय / दिनांक रामपुर 26 जुलाई 2023।
प्रतिलिपि- अपर महाप्रबन्धक(गन्ना) त्रिवेणी इन्जिनियरिंग एण्ड इन्डस्ट्रीज लिमिटेड यूनिट- मिलक नरायनपुर, जिला रामपुर को उनके कार्यालय पत्र सं. 4425 दिनांक 25.07.2023 के क्रम में सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

जिला गन्ना अधिकारी
रामपुर



ENGINEERING & INDUSTRIES LTD.

Sugar Unit : Milak Narayanpur, Distt. Rampur (U.P.)

FINAL MANUFACTURING REPORT

In The Form Of

R.T.8 (C)

For The Season: 2024- 2025

ADDRESS: TRIVENI ENGINEERING & INDUSTRIES LTD.
Sugar Unit: Milak Narayanpur,
P.O.: Dadiyal- 244925, Via: Tanda Badli,
Tehsil: Tanda Badli, Distt: Rampur, U.P.

(1)

FORM RT 8 (C) S/A
(FOR CENTRAL SUGAR FACTORIES)
FINAL MANUFACTURING REPORT FOR THE SEASON 2024 - 2025
(RULE - 83)

NAME AND ADDRESS OF FACTORY :

TRIVENI ENGG. & INDUSTRIES LTD.
SUGAR UNIT- MILAKNARAYANPUR
P.O. DADIYAL- 244925, VIA TANDA BADLI
DISTRICT - RAMPUR (U.P.)
RPR/233
DEFECO MELT PHOSPHOTATION.

REGISTER NO. OF FACTORY :
CLARIFICATION PROCESS USED :

S. NO	PARTICULARS	THIS SEASON	LAST SEASON
		2024 - 2025	2023 - 2024
1.	TIME ACCOUNT		
	DATE OF START	09.11.2024 at 9.00 AM	04.11.2023 at 4.00 PM
	DATE OF CLOSE	09.03.2025 at 5.45 AM	20.03.2024 at 10.0 AM
	GROSS SEASON (days) (f)	121.00	138.00
	DURATION OF SEASON (g)	117.00	140.00
	TOTAL HOURS ACTUAL CRUSH	2584.54	3084.67
	TOTAL HOURS LOST	316.46	197.33
	I) CANE SHORTAGE	244.41	128.76
	II) MECHANICAL	5.33	13.74
	III) CO-GEN	2.87	0.00
	IV) PROCESS	0.00	0.00
	V) GENERAL CLEANING	28.58	28.83
	VI) MISCELLANEOUS	3.26	3.42
	VII) INCLIMENT WEATHER	12.75	22.58
	VIII) FESTIVAL	19.26	0.00
2.	CANE CRUSHED		
	I) OWN ESTATE CANE Qtls.	28685.38.51	3515434.11
	II) GATE CANE Qtls.	2583672.36	3001790.03
	III) OUT CENTER CANE (ROAD) (a) Qtls.	5452210.87	6517224.14
	IV) TOTAL Qtls.		
3.	JUICE AND ADDED WATER		
	AVG. GROSS MIXED JUICE % CANE %	112.24	112.11
	CORRECTION % MIXED JUICE %	0.72	0.65
	AVG. NET MIXED JUICE % CANE %	111.44	111.38
	TOTAL NET MIXED JUICE OBTAINED Qtls.	6075805.44	7258852.98
	AVG. ADDED WATER % CANE %	41.08	42.23
4.	SUGAR: Total sugar bagged		
	I) NO. OF BAGS .(ISS) (a) 50 Kg Nos.	1062864	1374192
	(b) 100 Kg Nos.	0.00	0.00
	II) QUANTITY Qtls.	531432*	687096**
	SUGAR IN PROCESS, IF ANY Qtls.	0.00	0.00
	TOTAL SUGAR MADE Qtls.	531432	687096
	SUGAR RECOVERED FROM PREVIOUS SEASON'S PROCESS (Scrapings) Qtls.	0.00	162
	SUGAR FROM PREVIOUS SEASONS REMELTED SUGAR Qtls.	829	439
	SUGAR RECOVERED FROM B.I.S.S. SUGAR OF SISTER CONCERNS Qtls.	-	-
	SUGAR RECOVERED FROM RAW SUGAR Qtls.	530603	686495
	TOTAL NET SUGAR MADE Qtls.		
5.	MOLASSES		
	TOTAL MOLASSES SENT OUT Qtls.	274720.00	326680.00
	MOLASSES IN PROCESS, IF ANY Qtls.	0.00	0.00
	BH MOLASSES PRODUCED (AS FINAL MOLASSES) Qtls.	126100.00	212500.00
	CH MOLASSES PRODUCED (AS FINAL MOLASSES) Qtls.	148620.00	114180.00
	TOTAL MOLASSES PRODUCED (BH+CH) Qtls.	274720.00	326680.00
	MOLASSES RECOVERED FROM PREVIOUS SEASONS PROCESS (Scrapings) Qtls.	0.00	44.77
	MOLASSES FROM REMELTED SUGAR Qtls.	174.60	120.88
	MOLASSES RECOVERED FROM B.I.S.S. SUGAR OF SISTER CONCERNS Qtls.	-	-
	MOLASSES RECOVERED FROM RAW SUGAR Qtls.	274545.40	326514.35
	TOTAL NET MOLASSES PRODUCED Qtls.		

REMARK- *This includes 1811.00 Qtls BISS (Brown Sugar) of above 90 deg. pol

**This includes 975.00 Qtls BISS (Brown Sugar) of 90 deg. Pol

*This year & Last year process run on B-heavy & C-heavy

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(2)

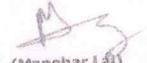
S.NO	PARTICULARS	THIS SEASON	THIS SEASON
		2024- 2025	2023- 2024
6.	RECOVERY		
	AVG. RECOVERY OF SUGAR % CANE	9.73	10.53
	AVG. PRODUCTION OF (B+C-HEAVY) MOLASSES % CANE	5.036	5.010
	BAGASSE PERCENT CANE (c)	28.84	30.12
	FILTER CAKE PERCENT CANE	4.77	4.71
7	STORE USED		
	COAL PERCENT CANE	-	-
	FIRE WOOD PERCENT CANE	-	-
	OTHER FUEL % CANE FURNACE OIL	Ltrs. 22.24	22.60
	BAGASSE PERCENT CANE	% -	-
	EXTRA BAGASSE % CANE	% 0.120	0.125
	LIME PERCENT CANE	% 0.039	0.044
	IN E.T.P. & INJECTION WATER	% 0.081	0.081
	IN PROCESS	% -	-
	COKE (b) PERCENT	% -	-
	SULPHUR PERCENT CANE	Kg / 100 Qtls cane 0.220	0.245
	LUBRICANTS (Oil & grease)	Nos. / 100 Qtls cane -	-
	GUNNY BAGS of 100 Kg. FOR SUGAR	Nos. / 100 Qtls cane -	-
	GUNNY BAGS of 50 Kg. FOR SUGAR	Nos. / 100 Qtls cane 19.428	20.174
	H.D.P.E. BAGS of 50 Kg. FOR SUGAR	Kg / 100 Qtls cane 0.032	0.032
	SEED SLURRY	Kg / 100 Qtls cane -	-
	WASHING SODA	Kg / 100 Qtls cane 0.169	0.199
	CAUSTIC SODA	Kg / 100 Qtls cane 0.568	0.536
	PHOSPHORIC ACID	Kg / 100 Qtls cane -	-
	AMMONIUM BI FLUORIDE	Kg / 100 Qtls cane 0.004	0.004
	BLEACHING POWDER	Kg / 100 Qtls cane 0.0005	0.0008
	DEXTRANASE PLUS ENZYME	Kg / 100 Qtls cane -	-
	ALPHA AMYLASE	Kg / 100 Qtls cane 0.099	0.096
	BACTERIOCIDES	Kg / 100 Qtls cane 0.187	0.187
	COLOUR PRECIPITANT(REFINERY & RAW)	Kg / 100 Qtls cane 0.060	0.053
	FLOCCULANT (REFINERY & CLARIFICATION)	Kg / 100 Qtls cane 0.027	0.022
	VISCOSITY REDUCER	-	-
	OTHER PROCESS CHEMICALS (ANTISCANENT, ADROBNIM, ANTIFOAM AGENT,SCALE SOFENER etc.)	Kg / 100 Qtls cane 0.034	0.030
	BOILER WATER CHEMICALS	Kg / 100 Qtls cane 0.0209	0.0269
	HYDRO CHLORIC ACID	Kg / 100 Qtls cane -	-
	E.T.P. CHEMICALS (UREA DAP & OTHERS)	Kg / 100 Qtls cane 0.438	0.720
8.	ANALYSIS		
	CANE	Sugar % 12.154	13.08
		Fibre % 13.738	14.510
	PRIMARY JUICE	Sugar % 14.90	15.90
		Brix % 18.23	18.97
		Purity 81.76	83.84
	MIXED JUICE	Sugar % 10.49	11.31
		Brix % 13.04	13.70
		Purity 80.48	82.57
	LAST EXP. JUICE	Sugar % 1.31	1.33
		Brix % 1.84	1.80
		Purity 71.32	74.12
	CLARIFIED JUICE	Sugar % 10.75	11.53
		Brix % 13.23	13.85
		Purity 81.27	83.26
	FILTRATE JUICE	Sugar % 8.91	10.24
		Brix % 11.87	12.98
		Purity 75.06	78.65
	UNSULPHURED SYRUP	Sugar % -	-
		Brix % -	-
		Purity -	-
	DEFICATED SYRUP	Sugar % 55.84	58.02
		Brix % 68.55	69.47
		Purity 81.46	83.52

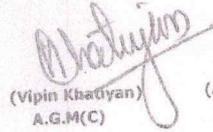
S. NO	PARTICULARS	706		THIS SEASON	THIS SEASON
				2024 - 2025	2023 - 2024
	MASSECUITE	Brix %		93.89	94.10
	MASSECUITE-RAW/A	Purity		86.79	88.14
		Brix %		92.25	90.92
	MASSECUITE-R I	Purity		98.67	98.26
		Brix %		93.91	93.94
	MASSECUITE-A I	Purity		78.42	82.54
		Brix %		96.33	96.37
	MASSECUITE-B	Purity		70.26	71.82
		Brix %		100.39	100.66
	MASSECUITE-C	Purity		50.18	51.63
	MOLASSES	Brix %		81.94	80.37
	RAW-HEAVY	Purity		71.07	73.14
		Brix %		72.41	68.59
	RAW-LIGHT	Purity		82.18	84.18
		Brix %		85.39	88.27
	B-HEAVY	Purity		49.13	49.54
		Brix %		-	-
	B 1-HEAVY	Purity		-	-
		Brix %		82.74	79.86
	A1-HEAVY	Purity		60.38	62.07
		Brix %		78.37	75.50
	C- LIGHT	Purity		70.65	73.81
		Brix %		-	-
	D- LIGHT	Purity		-	-
9.	SUGAR				
	I) WHITE SUGAR BAGGED (d)	Sugar %		99.88	99.88
		Moisture %		0.0264	0.0278
		Pol %		-	-
	II) RAW SUGAR BAGGED	Moisture %		-	-
		Ash		-	-
		Brix %		89.50	89.38
	BH-MOLASSES AS FINAL MOLASSES UP TO 21.12.2024	Purity		48.06	48.28
		Brix %		87.86	87.45
	CH-MOLASSES AS FINAL MOLASSES (22.12.2024 TO SEASON END)	Purity		32.29	33.46
		Sugar %		34.54	37.56
	BH+CH-MOLASSES AS FINAL MOLASSES	Brix %		88.56	88.54
		Purity		39.00	42.43
		Sugar %		1.61	1.59
	BAGASSE	Water %		50.11	49.67
		Fibre %		47.64	48.18
		Sugar %		2.05	1.93
	FILTERCAKE				
		pH		9.30	9.28
	Boiler feed water	Temperature ° C		107	108
		pH		7.03	7.02
	Clear juice	Temperature ° C		97	98
10	EFFECIENCY DATA				
	MILL EXTRACTION			96.18	96.34
	REDUCED MILL EXTRACTION			96.57	96.92
	BOILING HOUSE EXTRACTION			83.25	83.60
	RE. BOILING HOUSE EXTRACTION			87.81	86.29
	OVERALL EXTRACTION			80.07	80.54
	REDUCED OVERALL EXTRACTION			84.80	83.63

(4)

11. SUGAR BALANCE		THIS SEASON 2024 - 2025	THIS SEASON 2023 - 2024
S. NO	PARTICULAR		
		12.154	13.080
1.	SUGAR IN CANE	11.690	12.601
2.	SUGAR IN MIXED JUICE	0.464	0.480
3.	SUGAR IN BAGASSE	0.098	0.093
4.	SUGAR IN FILTER CAKE	1.799	1.931
5.	SUGAR IN B-HEAVY	9.717	10.520
6.	SUGAR IN SUGAR	-	-
7.	LOSS IN DIVERTED SYRUP	0.076	0.056
8.	SUGAR UNDETERMINED	2.437	2.5600
9.	TOTAL SUGAR LOSSES (In bagasse ,filter cake molasses undetermined.)		

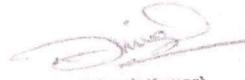
I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.


(Manohar Lal)
Sr. Manager (Q.C.)


(Vipin Khadiyan)
A.G.M(C)


(Avadhesh Kumar Yadav)
D.G.M.(P)


(Pradeep Kumar)
G.M.(E)


(Dinesh Kumar)
General Manager

DATE: 26 /03/2025

- Outstation cane is the cane weighed and purchased at a center other than at the factory gate.
- For carbonation factories only.
- In the case of three masseccuite system, brix & purities of C-Heavy & D-Light molasses are not be given.
- Sugar means ' Direct pol'
- Bagasse percent cane= $100 + \text{added water percent cane} - \text{mixed juice (gross) percent cane}$.
- Gross season means the total number of days from the date of start to the date of close both days inclusive.
- Duration of season ,this is calculated by dividing the total hours actual crushing by 22.

(5)

Additional Information Along With The Final Manufacturing Report

S. No.	PARTICULARS	This Season			Last Season		
		2024 - 2025			2023 - 2024		
1	Mill Extraction	96.18			96.34		
2	Boiling House Extraction	83.25			83.60		
3	Overall Extraction	80.07			80.54		
4	Reduced Mill Extraction				96.92		
	a) Noel deer	96.57			96.70		
	b) Mittal	96.62					
5	Reduced Boiling House Extraction				86.15		
	a) Gundu rao	87.45			86.29		
	b) Noel deer	87.81					
6	Reduced Overall Extraction				83.31		
	a) Gundu rao	84.49			83.63		
	b) Noel deer	84.80			21.56		
7	Undiluted Juice Loss in Bag. % Fibre	23.98			73.27		
8	Added Water Ext. MJ % Added Water	77.24			43.72		
9	Virtual Purity Of FINAL MOLASSES	40.85			1.65		
10	Brix Free Cane Water % Cane	2.99			291.04		
11	Added Water % Fibre	298.98					
12	Rate Of Crushing Per 24 Hours				47658		
	a) Including stoppage	Qtls.	45106		50707		
	b) Excluding stoppage	Qtls.	50629		6.01		
13	Down time %	10.91					
14	E.R.Q.V.				97.32		
	a) M.J./P.J.	97.59			82.09		
	b) L.M.J./P.J.	80.37					
15	MASSECUITE % CANE	With B-heavy	With C-heavy	Total	With B-heavy	With C-heavy	Total
	a) RAW/A - Masecuite % cane	19.70	24.13	23.18	22.97	27.15	24.61
	b) R ₁ - Masecuite % cane	21.04	25.51	24.13	22.64	26.71	24.23
	d) A ₁ - Masecuite % cane	2.81	0.00	1.19	4.20	0.00	2.55
	c) B - Masecuite % cane	10.36	10.85	10.38	10.33	11.79	10.90
	e) C - Masecuite % cane	0.00	5.92	5.84	0.00	6.17	2.42
	TOTAL	53.91	66.41	64.72	60.14	71.82	64.71
16	Steam % Cane	48.67			47.53		
17	Power Consumption	33.16			31.43		
18	Bagasse Saved	6.60			7.52		
19	Jawa Ratio	81.56			82.26		
20	Clarification Factor	4.98			4.76		
21	Dry Milling Factor	70.36			69.15		
22	Grade Wise Sugar Production	Qtls.		%age	Qtls.		%age
	L-31	55942.00		10.527	70790.00		10.303
	M-31	422528.00		79.507	568250.00		82.703
	S-31	51151.00		9.625	47081.00		6.852
	Raw Sugar	-		-	-		-
	L-30	-		-	-		-
	M-30	-		-	-		-
	S-30	-		-	-		-
	BISS	1811.00		0.341	975.00		0.142
	TOTAL	531432.00		100.00	687096.00		100.00

Manohar Lal
 Manohar Lal
 Sr. Manager (Q.C.)

Vipin Khatiyan
 Vipin Khatiyan
 A.G.M.(C)

Avadesh Kumar Yadav
 Avadesh Kumar Yadav
 D.G.M.(P)

Pradeep Kumar
 Pradeep Kumar
 G.M.(E)

Dinesh Kumar
 Dinesh Kumar
 General Manager

(6)



GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO:

VALID UP TO : 26/02/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202101000451

Name of the Owner	TARUN SAWHNEY VCANDMD		
Designation पद	AGM	Company Name कंपनी का नाम	Triveni Engg. & Ind. Ltd Sugar Unit Miiknraynpur
Company Address कंपनी का पता	Village Milaknarayanpur Po Dadiyal Distt. Rampur	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE-MILAK NARAYANPUR, POST-DADIYAL, TEHSIL-TANDA BADLI, DISTRICT-RAMPUR, UP 244001	Application Form Serial No.	RMPR0121NIN0015
Date of Submission	24/01/2021	Specimen Signature	
Location Particulars			
District	Rampur	Block	SWAR
Plot No./Khasra No.	87 Jattaur	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	09/02/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	103.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	40.00
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	100.00
Date of Energization (In Case of Electric Pump)	09/02/2007		
Maximum Allowable Rate of Withdrawal (m3/hr.):	100.00	Maximum Allowable Running Hours Per Day:	2.00

Maximum Allowable Annual Extraction of Ground Water:

60000

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3j), for Running Hours 1 day as shown at Sl. (3k), and for maximum allowable extraction of ground water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.

Place:

Date:

Yours Faithfully,
Signature of the Issuing Authority
and Designation

GENERAL CONDITIONS:

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at Sl. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars / information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- **Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.

- o The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- o A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- o Any other site specific requirement regarding safety and access for measurement may be taken care off.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- Any other condition imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
-
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
 - iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
 - iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
 - v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
 - vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
 - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
-
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
 - i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
 - ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³ /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

This NOC is not authorized by any Official. This should only be used for Preview purpose.
यह अनापत्ति प्रमाणपत्र किसी प्राधिकारी द्वारा प्रमाणित नहीं है। इसे मात्र पूर्ववलोकन के उद्देश्य से प्रयोग किया जाना चाहिए।



GROUND WATER DEPARTMENT
(Namami Gange & Rural Water Supply Department)
Ministry of Jal Shakti
Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

**AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW WELL
FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF
GROUND WATER**

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO:

VALID UP TO : 17/06/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202101000452

Name of the Owner	TARUN SAWHNEY VCANDMD		
Designation पद	AGM	Company Name कंपनी का नाम	Triveni Engg. & Ind. Ltd Sugar unit Milknrayanpur
Company Address कंपनी का पता	Village Milaknarayanpur Po Dadiyal Distt. Rampur	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE-MILAK NARAYANPUR, POST-DADIYAL, TEHSIL-TANDA BADLI, DISTRICT-RAMPUR, UP 244001	Application Form Serial No.	RMPR0121NIN0016
Date of Submission	24/01/2021	Specimen Signature	
Location Particulars			
District	Rampur	Block	SWAR
Plot No./Khasra No.	53 Jattapura	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	16/03/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	109.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m ³ /hr.)	100.00
Date of Energization (In Case of Electric Pump)	10/03/2007		
Maximum Allowable Rate of Withdrawal (m ³ /hr.):	100.00	Maximum Allowable Running Hours Per Day:	2.00

Maximum Allowable Annual Extraction of Ground Water:

60000

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Place:

Date:

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Signature of the Issuing Authority
and Designation

GENERAL CONDITIONS:

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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: 29611020/Moradabad/2025/paybasis

Date: 22/01/2025

- 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:** Outlet of ETP
- 5- **Type of Sample (Grab/Composite/Integrated):** Grab
- 6- **Sample Collected By:** Anil Vishwkarma SA & -- --
- 7- **Colour and Odour:** Colourless Odourless
- 8- **Quantity and Packing:** 2 Liter
- 9- **Date of Sample Collection:** 13/01/2025
- 10- **Analysis Indented by:** RO Moradabad
- 11- **Date of sample receipt in Lab:** 13/01/2025

Parameter/Method Name	Unit	Results	Standard	Detection Range
pH, APHA 24th Ed. 4500B: 2023	-	7.61		02-12
*Oil Grease	mg/l	4.8		-
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	23.0		10-20000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	610.0		10- 50000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	15.0		1.0 -50000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	136.0		5.0 -100000 mg/l

Reference- (1) General Standards for discharge of environmental pollutants are as part-A Effluent (Schedule-VI). The Environment (Protection) Rules, 1986 source: www.cpcb.nic.in/GeneralStandards.pdf. 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-
[Iram Warsi(JRF)]

Authorized by
 Anil Kumar
 Vishwakarma
 Anil Vishwkarma (SA)

Digitally signed by Anil Kumar Vishwakarma
 Date: 2025.01.22 17:33:40 +05'30'

Ashutosh
 Chauhan
 Regional Officer

Digitally signed
 by Ashutosh Chauhan
 Date: 2025.01.22 17:34:27 +05'30'



ENVIRONMENTAL AND TECHNICAL RESEARCH CENTRE

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

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

(ISO 9001:2015, ISO 45001:2018 (OHS) ISO 14001:2015)

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/12950/2024	Date of Report: 26.12.2024
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	Waste Water	5	Packing Condition	Sealed
2	Sample Description	ETP Outlet	6	Sample Collected By	ETRC
3	Sample received date	20.12.2024	7	Analysis Start Date	20.12.2024
4	Sample Quantity	2.0 liters	8	Analysis End Date	26.12.2024

TEST RESULT

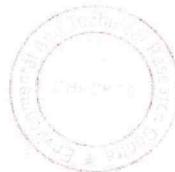
Sr. No.	Test Parameter	Unit	Protocol/Test Method	Result	Range of testing /limit of detection
1	pH	-	APHA 24 th Ed. 2023 - 4500H ⁺	7.4	1 - 14
2	Total Dissolved Solid (TDS)	mg/l	IS: 3025 (Part - 16): 2023	712.0	10 - 40000
3	Total Suspended Solid (TSS)	mg/l	APHA 24 th Ed. 2023 - 2540 D	12.0	5.0 - 20000
4	Bio chemical Oxygen Demand (BOD)	mg/l	IS 3025 (Part - 44): 1993 Reaffirmed: 2019	12.0	1.0 - 150000
5	Chemical Oxygen Demand (COD)	mg/l	IS: 3025 (Part - 58): 2006 Reaffirmed: 2022	88.0	2.0 - 600000
6	Oil & Grease	mg/l	APHA 24 th Ed. 2023 - 5520 A+D	BDL	5.0 - 200

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.

Sandeep Kr Verma
Authorized Signatory
(Sandeep Kr Verma)
Lab-Incharge



Ritu Garg
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 45001:2018 (OH&S) ISO 14001:2015)

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

ETRC/PM09/TES-REP/FT/45

TEST REPORT WATER & WASTE WATER ANALYSIS

Test Report Ref No.: ETRC/2612/15496/2024	Date of Report: 26.12.2024
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	Waste Water	5	Packing Condition	Sealed
2	Sample Description	Aeration Tank 1 & 2	6	Sample Collected By	ETRC
3	Sample received date	20.12.2024	7	Analysis Start Date	20.12.2024
4	Sample Quantity	2.0 liters	8	Analysis End Date	26.12.2024

TEST RESULT

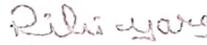
Sr. No.	Test Parameter	Unit	Protocol/ Test Method	Aeration Tank 1	Aeration Tank 2	Range of testing /limit of detection
1	MLSS	mg/l	IS 3025 (Part 18): 2022	3000.0	2800.0	10 - 10000

..... END OF REPORT

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- Complain register is available in our laboratory.


Authorized Signatory
(Sandeep Kr Verma)
Lab-Incharge




Authorized Signatory
(Ritu Garg)
QM

Mobile : +91 9897674227, 9936669576 | PAN No.: AHWPG8397H | GSTIN No.: 09AHWPG8397H1ZD





ETP Outlet Flow meter



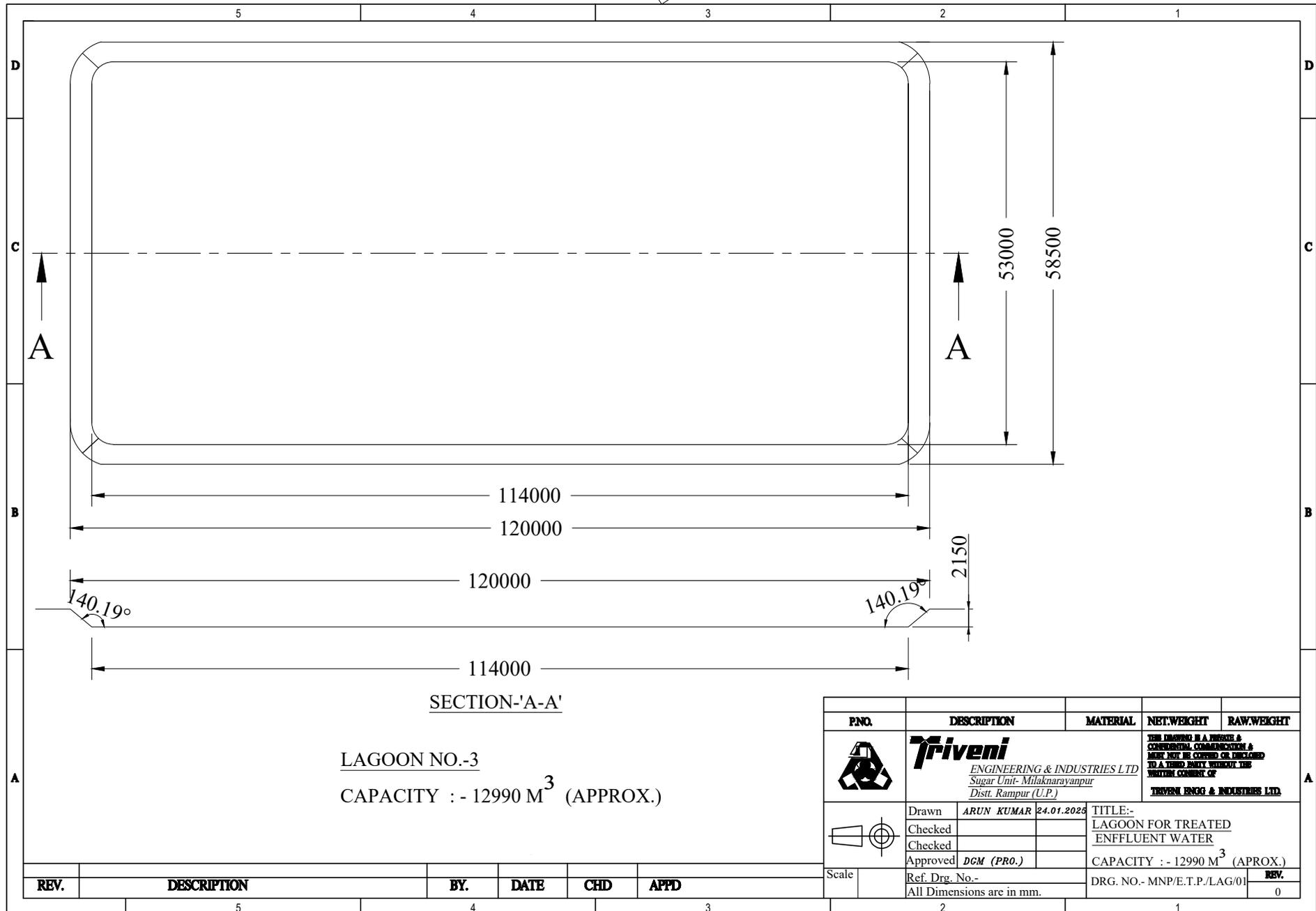
ETP Inlet Flowmeter



S.R.S. Outlet Flowmeter



Treated Water Storage Lagoon Flow meter at Pumping Point





Dismantled Molasses Pit Land

ANNEXURE - 13

REF :TEIL/MNP/2024/
Date: 12.10.2023

To,
The Regional Officer,
U.P. Pollution Control Board
Budhi Vihar, Moradabad (U.P.)

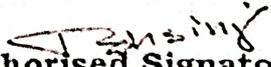
Subject: Process Conversion

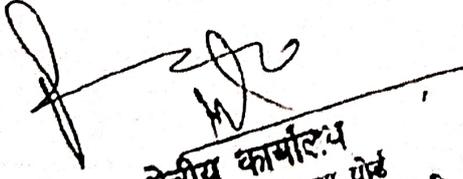
Dear Sir,

This is to inform you that we are changing the process of Sugarcane Juice clarification from Double Sulphitation (D.S.) to Defco-Melt Phosphotation Process (DMP) to produce refined sugar in this process quantum of key clarifications would reduced significantly i.e. Sulphur consumption will be zero and lime consumption will be half in comparison to D.S. Process.

Information submitted for your reference and further needful please.

Triveni Engineering & Industries Limited
Sugar Unit-Milak Narayanpur


(Authorised Signatory)


क्षेत्रीय कार्यालय
उ.प्र. प्रदूषण नियंत्रण बोर्ड
1-A/1.N.S1 अत्यास विकास बसरोनी
बुद्धि विहार, मुरादाबाद



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

Ref No. TEIL/ MNP/515

Date: 29.08.2025

Regional Officer,
Uttar Pradesh Pollution Control Board
Moradabad, Uttar Pradesh.

Sub: Filter cake/ Press mud disposal and management compliance of M/s Triveni Engg & Industries Ltd sugar unit Milak Narayanpur Rampur.

Sir,

Subsequent to the UPPCB official's inspection on August 29, 2025 at unit. We would like to submit the details of press mud disposal from our unit:

- Press mud is generated at the rate of 4.5–4.75% on cane crushed.
- All the press mud generated by the plant has been sold to M/s Arin Enterprises, Vill-Bhaypur, Post- Sarif Nagar, District-Moradabad (U.P.), as per agreement.
- At present, no quantity of press mud is lying inside the premises.

We further assure you that in future also, proper disposal of press mud will be continuing as per agreement.

Thanking you,

For, Triveni Engineering & Industries Limited.

Authorized Signatory

Ref No. TEIL/ MNP/513

Date: 29.08.2025

Regional Officer,
Uttar Pradesh Pollution Control Board
Moradabad, Uttar Pradesh.

Sub: Fly ash disposal and management compliance of M/s Triveni Engg & Industries Ltd sugar unit Milak Narayanpur Rampur.

Sir,

Subsequent to the UPPCB official's inspection on August 29, 2025 at unit. During the inspection, details pertaining to fly ash generation and its disposal were sought. The same are furnished below for your kind information:

1. Total fly ash generated till date (from commissioning of unit, sheet attached): 17,14,94 MT
2. Quantity utilized in low land filling in distillery section (Before distillery installation, Area- 90640 M2): 102000 MT (approx.)
3. Planning for plantation on ash filling land in premises (Area -22240 M2): 18000 MT (approx.)
4. Plantation carried out after completion of low land filling (Area- 55560 M2): 44994 MT (approx.)
5. Balance fly ash presently stored in yard: 6500 MT (approx.)

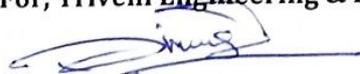
Further, we are planning for plantation on fly ash land filling area as mentioned above and we would like to inform you that the remaining quantity of approx. 6500 MT will also be disposed, and our disposal planning is under process with Highway projects, PWD, and other authorized construction sites. As soon as the agreement is finalized, we will immediately commence the disposal process.

We assure you of our continuous efforts towards proper fly ash management and disposal off it.

Submitting for your information please.

Thanking you,

For, Triveni Engineering & Industries Limited.



Authorized Signatory

Triveni Engineering & Industries Ltd.
Unit:- Milaknarayanpur

Crushing Year	Cane Crush (lac. Qtls)	Fly Ash (in Ton)	Fly Ash % Cane
2006-07	11.71	2050	1.75
2007-08	47.92	8450	1.76
2008-09	23.84	4207	1.76
2009-10	33.35	5847	1.75
2010-11	33.82	5800	1.71
2011-12	53.63	9354	1.74
2012-13	46.96	8202	1.75
2013-14	36.00	6302	1.75
2014-15	39.29	6970	1.77
2015-16	38.06	6700	1.76
2016-17	49.78	8702	1.75
2017-18	77.97	13360	1.71
2018-19	71.50	11250	1.57
2019-20	81.20	13560	1.67
2020-21	77.14	13540	1.76
2021-22	77.30	13984	1.81
2022-23	82.93	12362	1.49
2023-24	65.17	11353	1.74
2024-25	54.52	9502	1.74
Total	1002.09	171494	1.71

Note: Fly Ash contains 70-75% moisture



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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: 33420999/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** Triveni Engineering & Industries Limited (BOREWELL NO. - 1)
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Other
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.24	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.6	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	378.6	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	240.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	126.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	32.0	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	11.04	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	4.99	3-500 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:* - The PermissiCalcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

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: 33421039/Moradabad/2025

Date: 25/08/2025

1- **Sample Location:** Triveni Engineering & Industries Limited (BOREWELL NO.- 2)

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

3- **Distirct:** Rampur

4- **Sample Source:** Other

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

6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA

7- **Odour :** None

8- **Quantity and Packing :** 2 liter

9- **Date of Sample Collection :** 21/08/2025

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

11- **Date of sample receipt in Lab :** 21/08/2025

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	7.29	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.8	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	354.9	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	180.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	140.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	24.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	18.72	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	5.99	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

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: 33421075/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** Triveni Engineering & Industries Limited Main Gate (India Marka H.P., 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 :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.19	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.6	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	404.6	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	220	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	130.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	34.4	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	10.56	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	6.99	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

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: 33421112/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** India Marka H.P, Near Boundry Wall Temple, Behind Triveni Engineering & Industries Limited
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.22	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.4	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	397.5	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	280.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	124.0	10-5000 mg/l
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	7.68	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	6.99	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

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: 33421130/Moradabad/2025

Date:25/08/2025

- 1- **Sample Location:** India Marka H.P. Near RRC Centre Behind; Triveni Engineering & Industries Limited Campus
- 2- **Address:** Sugar Unit-Milak Narayanpur
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.12	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	1.2	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	368.4	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	250.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
D.O. , APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	-	BDL	0.2-14 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	136.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	40.0	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	8.64	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	5.99	3-500 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:* - The Permissible limit for Turbidity parameter is 5 NTU. Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

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: 33421176/Moradabad/2025

Date: 25/08/2025

1- **Sample Location:** INDIA MARKA H.P. GIE PG COLLEGE, VILL. NARAYANPUR

2- **Address:** VILLAGE NARAYANPUR, RAMPUR

3- **Distirct:** Rampur

4- **Sample Source:** Handpump

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

6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA

7- **Odour :** None

8- **Quantity and Packing :** 2 liter

9- **Date of Sample Collection :** 21/08/2025

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

11- **Date of sample receipt in Lab :** 21/08/2025

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	7.25	02-12
Turbidity, APHA 24th Ed 2130B: 2023	N.T.U	1.00	0.4	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	365.7	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	255	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	138	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	34.4	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	12.48	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	6.0	3-500 mg/l

These standards are subject to revision

*Non-NABL Parameters.

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Remark:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Atul Kumar(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: 33421213/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** INDIA MARKA H.P. NEAR SHIV KUMAR S/O MADAN SINGH, VILL. NARAYANPUR
- 2- **Address:** VILLAGE NARAYANPUR, RAMPUR
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.21	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.7	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	398.5	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	227	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	146	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	34.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	14.16	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	7.0	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Atul Kumar(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: 33421247/Moradabad/2025

Date: 25/08/2025

1- **Sample Location:** INDIA MARKA H.P. NEAR SHIV MANDIR, VILL. PIPLI NAYAK

2- **Address:** VILLAGE PIPLI NAYAK

3- **Distirct:** Rampur

4- **Sample Source:** Handpump

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

6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA

7- **Odour :** None

8- **Quantity and Packing :** 2 liter

9- **Date of Sample Collection :** 21/08/2025

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

11- **Date of sample receipt in Lab :** 21/08/2025

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	7.16	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	1.0	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	371.3	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	260	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	134	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	28.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	14.88	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	5.0	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Atul Kumar(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: 33421268/Moradabad/2025

Date:25/08/2025

- 1- **Sample Location:** INDIA MARKA H.P. OPP. SAHKARI SAMITI, VILL. PIPLI NAYAK
- 2- **Address:** VILLAGE PIPLI NAYAK, RAMPUR
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.17	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.3	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	401.2	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	274	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	128	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	31.2	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	12.0	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	6.0	3-500 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:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Atul Kumar(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: 33421324/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** INDIA MARKA H.P. OPP. SARASWATI GIRL PG COLLEGE, VILL. SARA KTHAL
- 2- **Address:** VILLAGE SARA KTHAL, RAMPUR
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.32	02-12
Turbidity, APHA 24th Ed 2130B: 2023	N.T.U	1.00	1.0	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	442.9	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	280.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	130.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	32.0	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	12.0	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	7.99	3-500 mg/l

These standards are subject to revision

*Non-NABL Parameters.

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Remark:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Iram Warsi(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: 33421393/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** INDIA MARKA H.P.NEAR NARESH SINGH S/O ESHWARI SINGH HOUSE, VILL. SARA KTHAL
- 2- **Address:** VILLAGE SARA KTHAL, RAMPUR
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.24	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.7	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	398.6	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	220.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	144.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	31.2	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	15.84	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	4.99	3-500 mg/l

These standards are subject to revision

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Remark:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Iram Warsi(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: 33421419/Moradabad/2025

Date: 25/08/2025

1- **Sample Location:** INDIA MARKA H.P. NEAR JHAJAN SINGH S/O NATTHU SINGH HOUSE

2- **Address:** VILLAGE MAHMADPUR, RAMPUR

3- **Distirct:** Rampur

4- **Sample Source:** Handpump

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

6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA

7- **Odour :** None

8- **Quantity and Packing :** 2 liter

9- **Date of Sample Collection :** 21/08/2025

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

11- **Date of sample receipt in Lab :** 21/08/2025

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	6.98	02-12
Turbidity, APHA 24th Ed 2130B: 2023	N.T.U	1.00	1.2	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	408.6	0.1-10000 µS/cm
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	260.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	150.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	32.8	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	16.32	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	6.99	3-500 mg/l

These standards are subject to revision

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Remark:* - The permissible limit for Turbidity parameter is 5 NTU. Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Iram Warsi(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: 33421614/Moradabad/2025

Date: 25/08/2025

- 1- **Sample Location:** INDIA MARKA H.P. NEAR HANUMAN MANDIR, VILL. MAHMADPUR
- 2- **Address:** VILLAGE MAHMADPUR, RAMPUR
- 3- **Distirct:** Rampur
- 4- **Sample Source:** Handpump
- 5- **Type of sample :** Ground Water
- 6- **Sample Collected By :** Atul Kumar JRF & Asif Ali, JLA
- 7- **Odour :** None
- 8- **Quantity and Packing :** 2 liter
- 9- **Date of Sample Collection :** 21/08/2025
- 10- **Analys Indented by :** RO Moradabad
- 11- **Date of sample receipt in Lab :** 21/08/2025

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	7.12	02-12
Turbidity, APHA24th Ed 2130B: 2023	N.T.U	1.00	0.5	1-500NTU
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5.00	Colourless	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B: 2023	µS/cm	NS	412.9	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	NS	BDL	5-10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	500	270.0	5-10000 mg/l
BOD, IS 3025 (Part 44):1993	mg/l	-	BDL	1-1000 mg/l
COD, APHA 24th Ed. 5220 B: 2023	mg/l	-	BDL	4-1000 mg/l
Hardness, APHA 24th Ed. 2340 C EDTA Titrimetric Method 2023	mg/l	200	140.0	10-5000 mg/l
Calcium, APHA 24th Ed. 3500Ca-B: 2023	mg/l	75	36.0	10-1000 mg/l
Magnesium, APHA 24th Ed. 3500 Mg-B: 2023	mg/l	30	12.0	10-1000 mg/l
Chloride, APHA 24th Ed 4500-Cl- B: 2023	mg/l	250	5.99	3-500 mg/l

These standards are subject to revision

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Remark:* - Calcium Hardness (as CaCO₃) and Magnesium Hardness(as CaCO₃).

Analysed by
[Iram Warsi(JRF)]

Authorized by

Anil Vishwkarma (SA)

Regional Officer

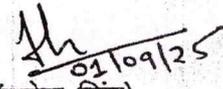
कार्यालय
अधिशारी अभियन्ता
भूगर्भ जल विभाग, खण्ड-गुरादाबाद
बी-101/4 जिगर कालोनी,
सिधिल लार्सन गुरादाबाद।

पत्रांक: 374/भूजलवि0खं0-गुरा0/एन0जी0टी0/दिनांक/गुरादाबाद/अमरस, 01/09/2025
विषय:-माननीय एन0जी0टी0 के ओ0ए0 सं0. 234/2020 के कम में मैसर्स त्रिवेणी इन्जीनियरिंग इन्डस्ट्रीज लिमिटेड, शुगर यूनिट मिल्क नारायनपुर रामपुर के आस-पास के क्षेत्र के भूजल नमूनों का रासायनिक विश्लेषण आख्या प्रेषित किये जाने के सम्वन्ध में।

मैसर्स त्रिवेणी इन्जीनियरिंग इन्डस्ट्रीज लिमिटेड, शुगर यूनिट मिल्क नारायनपुर रामपुर।

कृपया उपरोक्त विषयक अपने पत्र सं0-TEIL/MNP/512 Date 29-08-2025 का सन्दर्भ ग्रहण करने का कष्ट करे, जिसके द्वारा अवगत कराया गया है कि माननीय एन0जी0टी0 के ओ0ए0 सं0. 234/2020 के कम में बनायी गयी संयुक्त टीम द्वारा भूजल नमूनों के परीक्षण के संवंध में निर्देश दिये गये थे। तत्कम में आप द्वारा भूजल नमूनों के परीक्षण के संवंध में अनुरोध किया गया था।

उक्त संवंध में इस कार्यालय के पत्रांक-369/भूजलवि0खं0-गुरा0/दिनांक-30.08.2025 द्वारा मैसर्स त्रिवेणी इन्जीनियरिंग इन्डस्ट्रीज लिमिटेड, शुगर यूनिट मिल्क नारायनपुर रामपुर के आस-पास क्षेत्र में स्थित (05) हेण्डपम्पो से एकत्रित भूजल नमूने, रासायनिक विश्लेषण हेतु महाप्रबन्धक, धातु हस्त शिल्प सेवा केन्द्र (MHSC) आर0टी0सी0 प्रयोगशाला गुरादाबाद को प्रेषित किये गये थे, तत्कम में महाप्रबन्धक, धातु हस्त शिल्प सेवा केन्द्र गुरादाबाद द्वारा अपने पत्र सं0-RTCL-39311/2025-26/Q2C-2526090001245, RTCL-39311/2025-26/Q2C-2526090001246, RTCL-39311/2025-26/Q2C-2526090001247, RTCL39311/2025-26/Q2C-2526090001248, RTCL-39311/2025-26/Q2C-2526090001249 दिनांक-01.09.2025 को भूजल नमूनों का रासायनिक विश्लेषण कर इस कार्यालय में प्रेषित किये गये हैं, जिसकी रिपोर्ट संलग्नकर आपको प्रेषित है।
संलग्नक:-यथोक्त।


01/09/25
(गणेश सिंह)
अधिशारी अभियन्ता

अनुसंधान, परीक्षण एवं कैलिब्रेशन प्रयोगशाला

RESEARCH, TESTING AND CALIBRATION LABORATORY

RTC
LABORATORY

(A Division of Metal Handicrafts Service Centre)

वस्त्र मंत्रालय, भारत सरकार के नियन्त्रणाधीन

(Under Control of Ministry of Textiles Govt. of India.)

Peetal Nagri, Rampur Road, Moradabad -244001 (U.P.) INDIA

Website : www.metalfinishanddesign.in



☎ : +91-591-2460864
Telefax : +91-591-2460131

e-mail : rtclindia@gmail.com

TEST REPORT

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001245

ULR No. : TC668325000001253F

Received Date : 30.08.2025

Customer Name : M/S EXECUTIVE ENGINEER

Address : GROUND WATER DEPARTMENT SECTION -

MORADABAD B-161/4,

JIGAR VIHAR COLONY CIVIL LINE,

MORADABAD - 244001

Tel. No. : 9557437107

Contact Person : MR. GANESH SINGH

Date of TR : 01.09.2025

Date of Test Start : 30.08.2025

Date of Test End : 01.09.2025

Page 1 of : 3



[ACCREDITED SCOPE]
CERTIFICATE No : TC-6683

Sample Testing Information

* Sample Description : GROUND WATER SAMPLE
(HANDPUMP INSTALLED IN,IN FRONT
OF THE HOUSE OF SHIV KUMAR AND
MADAN SINGH IN VILLAGE
NARAYANPUR)

* Qty. Submitted : 01(ONE) NO. (1 LIT)

* Colour : NATURAL

* Customer Receipt Ref. Date : 30.08.2025

* Customer Ref. No. : पत्रांक -369 /भू० ज० वि० ख०-मुरा० / आई०
जी० आर० एस० / मुरादाबाद / दिनांक / अगस्त
30, 2025
DATED : 30.08.2025

* Style No. / Article No. : Not Provided

* Type of Test Required : WATER PARAMETERS EXCEPT BL TEST,
AS SPECIFIED BY CUSTOMER

* Deviation if any from
the standard including
environmental condition : N.A

Order No. : Not Provided

Buyer Name : Not Provided

Buying House : Not Provided

Country of
Destination : Not Provided

Country Origin : INDIA

SKU No./ Item No. : Not Provided

Sample from :(RM / In process / Finished Product) :- NA

041166

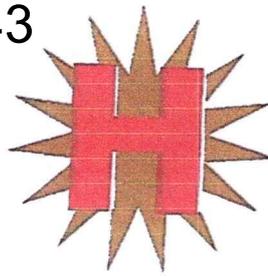
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TC-6683

Dr. Ravindra Kumar
General Manager
MNSC
Moradabad (U.P.) 244001

041166



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001245

RESULT : Type of Test Conducted : - Water Parameters Except BL Test.

Sample Discription : GROUND WATER SAMPLE (HANDPUMP INSTALLED IN,IN FRONT OF THE HOUSE OF SHIV KUMAR AND MADAN SINGH IN VILLAGE NARAYANPUR)

Type of Test Conducted	Test Method	Test Result	Requirement Limits as per IS:10500		Conformity
			Acceptable	Permissible	
p ^H	IS : 3025 (11):22	7.30	6.5 to 8.5	6.5 to 8.5	Yes
COLOUR	IS : 3025 (4):21	1.0 Hazan	5.0 Max.	15.0 Max.	Yes
ODOUR	IS : 3025 (5):18	Unbjectionable	Unobjectionable	Unobjectionable	Yes
TASTE	IS : 3025 (7):17	Agreeable	Agreeable	Agreeable	Yes
TOTAL DISSOLVED SOLIDS (T.D.S.)	IS : 3025 (16):23	195 mg / L	500.0 Max.	2000 Max.	Yes
TURBIDITY	IS : 3025 (10):23	BDL	1.0 Max.	5.0 Max.	Yes
CHLORIDE	IS : 3025 (32):19	11.0 mg / L	250 Max.	1000 Max.	Yes
TOTAL HARDNESS	IS : 3025 (21):09	116 mg / L	200.0 Max.	600 Max.	Yes
CALCIUM (Ca)	IS : 3025 (40):24	28.0 mg / L	75.0 Max.	200 Max.	Yes
ALKALINITY	IS : 3025 (23):23	70.0 mg / L	200.0 Max.	600.0 Max.	Yes
SULPHATE	IS : 3025 (24):22	BDL mg / L	200.0 Max.	400.0 Max.	Yes
FLUORIDE(F)	IS : 3025 (60):08	BDL mg / L	1.0 Max	1.5 Max	Yes
CYANIDE (CN)	IS : 3025 (27):21	BDL mg / L	0.05 Max.	0.05 Max.	Yes
NITRATE	IS : 3025 (34):88	BDL mg / L	45.0 Max.	45.0 Max.	Yes
LEAD (Pb)	APHA 24th ED23 / ASTMD:1976:20	BDL mg / L	0.01 Max.	0.01 Max.	Yes
CADMIUM (Cd)	- do -	BDL mg / L	0.003 Max.	0.003 Max.	Yes
MAGNESIUM (Mg)	- do -	11.0 mg / L	30.0 Max.	100 Max.	Yes
IRON (Fe)	- do -	0.072 mg / L	0.3 Max.	0.3 Max.	Yes
NICKEL (Ni)	- do -	BDL mg / L	0.02 Max.	0.02 Max.	Yes
MANGANESE (Mn)	- do -	0.042 mg / L	0.1 Max.	0.3 Max.	Yes
COPPER (Cu)	- do -	BDL mg / L	0.05 Max.	1.5 Max.	Yes
CHROMIUM (Cr)	- do -	BDL mg / L	0.05 Max.	0.05 Max.	Yes
ZINC (Zn)	- do -	0.06 mg / L	5.0 Max.	15.0 Max.	Yes
ARSENIC (As)	- do -	BDL mg / L	0.01 Max.	0.05 Max.	Yes
ALUMINIUM (Al)	- do -	BDL mg / L	0.03 Max.	0.2 Max.	Yes

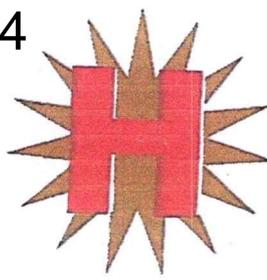
Observation : All Parameters are with in the Acceptable limit.

* BDL=Below Detection limit

041166

Dr. Rajendra Kumar
General Manager
MHSC
Moradabad (U.P.) 244001

Contd...



Page 3 of : 3

Date of TR : 01.09.2025

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001245

CONCLUSION / REMARKS : Except P^H, Colour, Odour, Taste & Turbidity all limits are in mg /L.
: mg /L - miligram per litre

: 1 mg/kg = 1 ppm (PART PER MILLION)= 0.0001%

The tested water is free from any Toxic Content, As tested above parameters, However RTCL does not fully cover the specification of BIS for Drinking water IS : 10500 : 2012, (Second Revision).

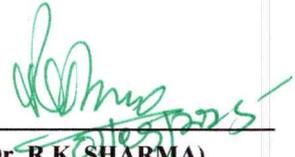
Note :

1. QR Code is available on 1st page of the Test Report for the details of Accredited Scope. Vide C.R No TC- 6683.
2. The test results relate only to the Item(s) tested & we do not accept any Legal Liabilities.
3. This report is not to be reproduced wholly or in part and can not be used as an Evidence in the Court of Law & should not be used in any Advertising Media without prior permission of the Centre in writing.

SAMPLE NOT DRAWN BY RTCL

Authorised Signatory

डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001


(Dr. R.K. SHARMA)
GENERAL MANAGER
91 - 591 - 2460131 /
9412530224
rtclindia@gmail.com

END OF REPORT

Facilities available at R.T.C.L. :-

- *Testing :- Lead & Cadmium Leaching, Total Lacquer Quality Test (Salt Spray, Humidity, Pin Hole, Adhesion etc.) Metallic & Non - Metallic Coating Thickness (Silver, Copper, Nickel, Zinc & Chrome etc. and Paint, Powder & Lacquer), Metal & Metal Alloys Composition, Drop Test & Bursting Test
- *Any Other problem in the field of Metal Finishing, Casting & Forming, Water & Waste Water Testing.
- *Consignment Inspection, Expert Opinion & Handicrafts Product Test as per Buyer Protocol.

SRS -

(Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India, New Delhi)

041166

[ISO/IEC:17025:2017 Accredited Testing Laboratory by NABL vide Certificate Number TC-6683]
US - Consumer Product Safety Commission - Accepted Testing Lab ID No. 1852

Pls. refer the website www.nabl-india.org to view our scope of Accredited Tests.

अनुसंधान, परीक्षण एवं कॅलिब्रेशन प्रयोगशाला RESEARCH, TESTING AND CALIBRATION LABORATORY

RTC LABORATORY

(A Division of Metal Handicrafts Service Centre)

वस्त्र मंत्रालय, भारत सरकार के नियन्त्रणाधीन
(Under Control of Ministry of Textiles Govt. of India.)

Peetal Nagri, Rampur Road, Moradabad -244001 (U.P.) INDIA

Website : www.metalfinishanddesign.in



☎ : +91-591-2460864

Telefax : +91-591-2460131

e-mail : rtclindia@gmail.com

TEST REPORT

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001246

ULR No. : TC668325000001254F

Received Date : 30.08.2025

Customer Name

Address

Tel. No.

Contact Person

: M/S EXECUTIVE ENGINEER

: GROUND WATER DEPARTMENT SECTION -

MORADABAD B-161/4,

JIGAR VIHAR COLONY CIVIL LINE,

MORADABAD - 244001

: 9557437107

: MR. GANESH SINGH

Date of TR : 01.09.2025

Date of Test Start : 30.08.2025

Date of Test End : 01.09.2025

Page 1 of : 3



[ACCREDITED SCOPE]

CERTIFICATE No : TC-6683

Sample Testing Information

* Sample Description

: GROUND WATER SAMPLE
(HANDPUMP INSTALLED IN, OPPOSITE
VILLAGE SARKATHAL SARASWATI
GIRLS COLLEGE)

* Qty. Submitted

: 01(ONE) NO. (1 LIT)

* Colour

: NATURAL

* Customer Receipt Ref. Date

: 30.08.2025

* Customer Ref. No.

: पत्रांक -369 / भू० ज० वि० ख०-मुरा० / आई०
जी० आर० एस० / मुरादाबाद / दिनांक / अगस्त
30, 2025

DATED : 30.08.2025

* Style No. / Article No.

: Not Provided

* Type of Test Required

: WATER PARAMETERS EXCEPT BL TEST,
AS SPECIFIED BY CUSTOMER

* Deviation if any from
the standard including
environmental condition

N.A

Order No. : Not Provided

Buyer Name : Not Provided

Buying House : Not Provided

Country of
Destination : Not Provided

Country Origin : INDIA

SKU No./ Item No. : Not Provided



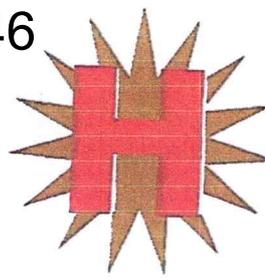
Sample from : (RM / In process / Finished Product) :- NA

041167

Contd..2

Dr. Ravindra Kumer
डा.रविन्द्र कुमार Dr. Ravindra Kumer
महामानव 01/09/2025 General Manager
एन.एच.एस.सी. MISC
मुस्ताफा (एन) 244001 Moradabad (U.P.)

041167



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001246

RESULT : Type of Test Conducted : - Water Parameters Except BL Test.

Sample Discription : GROUND WATER SAMPLE (HANDPUMP INSTALLED IN, OPPOSITE VILLAGE SARKATHAL SARASWATI GIRLS COLLEGE)

Type of Test Conducted	Test Method	Test Result	Requirement Limits as per IS:10500		Conformity
			Acceptable	Permissible	
P ^H	IS : 3025 (11):22	7.40	6.5 to 8.5	6.5 to 8.5	Yes
COLOUR	IS : 3025 (4):21	1.0 Hazan	5.0 Max.	15.0 Max.	Yes
ODOUR	IS : 3025 (5):18	Unbjectionable	Unobjectionable	Unobjectionable	Yes
TASTE	IS : 3025 (7):17	Agreeable	Agreeable	Agreeable	Yes
TOTAL DISSOLVED SOLIDS (T.D.S.)	IS : 3025 (16):23	220 mg / L	500.0 Max.	2000 Max.	Yes
TURBIDITY	IS : 3025 (10):23	BDL	1.0 Max.	5.0 Max.	Yes
CHLORIDE	IS : 3025 (32):19	12.0 mg /L	250 Max.	1000 Max.	Yes
TOTAL HARDNESS	IS : 3025 (21):09	111 mg /L	200.0 Max.	600 Max.	Yes
CALCIUM (Ca)	IS : 3025 (40):24	25.2 mg /L	75.0 Max.	200 Max.	Yes
ALKALINITY	IS : 3025 (23):23	63.0 mg /L	200.0 Max.	600.0 Max.	Yes
SULPHATE	IS : 3025 (24):22	BDL mg /L	200.0 Max.	400.0 Max.	Yes
FLUORIDE(F)	IS : 3025 (60):08	BDL mg /L	1.0 Max	1.5 Max	Yes
CYANIDE (CN)	IS : 3025 (27):21	BDL mg / L	0.05 Max.	0.05 Max.	Yes
NITRATE	IS : 3025 (34):88	BDL mg /L	45.0 Max.	45.0 Max.	Yes
LEAD (Pb)	APHA 24th ED23 / ASTMD:1976:20	BDL mg /L	0.01 Max.	0.01 Max.	Yes
CADMIUM (Cd)	- do -	BDL mg /L	0.003 Max.	0.003 Max.	Yes
MAGNESIUM (Mg)	- do -	11.5 mg /L	30.0 Max.	100 Max.	Yes
IRON (Fe)	- do -	0.086 mg /L	0.3 Max.	0.3 Max.	Yes
NICKEL (Ni)	- do -	BDL mg /L	0.02 Max.	0.02 Max.	Yes
MANGANESE (Mn)	- do -	0.043 mg /L	0.1 Max.	0.3 Max.	Yes
COPPER (Cu)	- do -	BDL mg /L	0.05 Max.	1.5 Max.	Yes
CHROMIUM (Cr)	- do -	BDL mg /L	0.05 Max.	0.05 Max.	Yes
ZINC (Zn)	- do -	0.041 mg /L	5.0 Max.	15.0 Max.	Yes
ARSENIC (As)	- do -	BDL mg /L	0.01 Max.	0.05 Max.	Yes
ALUMINIUM (Al)	- do -	BDL mg /L	0.03 Max.	0.2 Max.	Yes

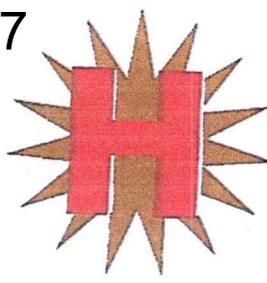
Observation : All Parameters are with in the Acceptable limit.

* BDL=Below Detection limit

041167


 डा.रविन्द्र कुमार Dr. Ravindra Kumar
 महाप्रबन्धक (अ.प्र.) General Manager
 एम.एच.एस.सी. MHSC
 मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

Contd...



Page 3 of : 3

Date of TR : 01.09.2025

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001246

CONCLUSION / REMARKS : Except P^H, Colour, Odour, Taste & Turbidity all limits are in mg /L.
: mg /L - miligram per litre

: 1 mg/kg = 1 ppm (PART PER MILLION)= 0.0001%

The tested water is free from any Toxic Content, As tested above parameters, However RTCL does not fully cover the specification of BIS for Drinking water IS : 10500 : 2012, (Second Revision).

Note :

1. QR Code is available on 1st page of the Test Report for the details of Accredited Scope. Vide C.R No TC- 6683.
2. The test results relate only to the Item(s) tested & we do not accept any Legal Liabilities.
3. This report is not to be reproduced wholly or in part and can not be used as an Evidence in the Court of Law & should not be used in any Advertising Media without prior permission of the Centre in writing.

SAMPLE NOT DRAWN BY RTCL

Authorised Signatory

डा.रविन्द्र कुमार Dr. Ravindra Kumar (Dr. R.K. SHARMA)
महाप्रबन्धक General Manager GENERAL MANAGER
एम.एच.एस.सी. MHSC 91 - 591 - 2460131 /
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001 9412530224
rtclindia@gmail.com

END OF REPORT

Facilities available at R.T.C.L. :-

- *Testing :- Lead & Cadmium Leaching, Total Lacquer Quality Test (Salt Spray, Humidity, Pin Hole, Adhesion etc.) Metallic & Non - Metallic Coating Thickness (Silver, Copper, Nickel, Zinc & Chrome etc. and Paint, Powder & Lacquer), Metal & Metal Alloys Composition, Drop Test & Bursting Test
- *Any Other problem in the field of Metal Finishing, Casting & Forming, Water & Waste Water Testing.
- *Consignment Inspection, Expert Opinion & Handicrafts Product Test as per Buyer Protocol.

SRS -

(Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India, New Delhi)

041167

[ISO/IEC:17025:2017 Accredited Testing Laboratory by NABL vide Certificate Number TC-6683]
US - Consumer Product Safety Commission - Accepted Testing Lab ID No. 1852

Pls. refer the website www.nabl-india.org to view our scope of Accredited Tests.

अनुसंधान, परीक्षण एवं कैलिब्रेशन प्रयोगशाला RESEARCH, TESTING AND CALIBRATION LABORATORY

RTC LABORATORY

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वस्त्र मंत्रालय, भारत सरकार के नियन्त्रणाधीन
(Under Control of Ministry of Textiles Govt. of India,)

Peetal Nagri, Rampur Road, Moradabad -244001 (U.P.) INDIA

Website : www.metalfinishanddesign.in



☎ : +91-591-2460864
Telefax : +91-591-2460131

e-mail : rtclindia@gmail.com

TEST REPORT

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001247

ULR No. : TC668325000001255F

Received Date : 30.08.2025

Customer Name

Address

Tel. No.

Contact Person

: M/S EXECUTIVE ENGINEER

: GROUND WATER DEPARTMENT SECTION -

MORADABAD B-161/4,

JIGAR VIHAR COLONY CIVIL LINE,

MORADABAD - 244001

: 9557437107

: MR. GANESH SINGH

Date of TR : 01.09.2025

Date of Test Start : 30.08.2025

Date of Test End : 01.09.2025

Page 1 of : 3



[ACCREDITED SCOPE]

CERTIFICATE No : TC-6683

Sample Testing Information

* Sample Description

: GROUND WATER SAMPLE
(HANDPUMP INSTALED IN, VILLAGE
MAHMOODPUR, NEAR THE HOUSE OF
JHANJHAN SINGH SON OF NATTHU
SINGH)

* Qty. Submitted

: 01(ONE) NO. (1 LIT)

* Colour

: NATURAL

* Customer Receipt Ref. Date

: 30.08.2025

* Customer Ref. No.

: पत्रांक -369 /भू० ज० वि० ख०-मुरा० / आई०
जी० आर० एस० / मुरादाबाद / दिनांक / अगस्त
30, 2025

DATED : 30.08.2025

* Style No. / Article No.

: Not Provided

* Type of Test Required

: WATER PARAMETERS EXCEPT BL TEST,
AS SPECIFIED BY CUSTOMER

* Deviation if any from
the standard including
environmental condition

N.A

Order No. : Not Provided

Buyer Name : Not Provided

Buying House : Not Provided

Country of
Destination : Not Provided

Country Origin : INDIA

SKU No./ Item No. : Not Provided



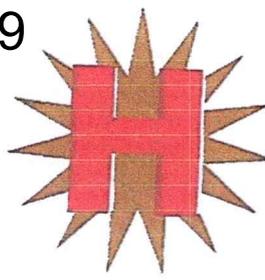
Sample from : (RM / In process / Finished Product) :- NA

041168

Contd..2

(Signature)
डॉ. रविन्द्र कुमार Dr. Ravindra Kumar
General Manager
महप्रमन
एम.एस.ए.सी.
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

041168



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001247

RESULT : Type of Test Conducted : - Water Parameters Except BL Test.

Sample Discription : GROUND WATER SAMPLE (HANDPUMP INSTALED IN, VILLAGE MAHMOODPUR, NEAR THE HOUSE OF JHANJHAN SINGH SON OF NATTHU SINGH)

Type of Test Conducted	Test Method	Test Result	Requirement Limits as per IS:10500		Conformit
			Acceptable	Permissible	
P ^H	IS : 3025 (11):22	7.30	6.5 to 8.5	6.5 to 8.5	Yes
COLOUR	IS : 3025 (4):21	1.0 Hazan	5.0 Max.	15.0 Max.	Yes
ODOUR	IS : 3025 (5):18	Unbjectionable	Unobjectionable	Unobjectionable	Yes
TASTE	IS : 3025 (7):17	Agreeable	Agreeable	Agreeable	Yes
TOTAL DISSOLVED SOLIDS (T.D.S.)	IS : 3025 (16):23	208 mg / L	500.0 Max.	2000 Max.	Yes
TURBIDITY	IS : 3025 (10):23	BDL	1.0 Max.	5.0 Max.	Yes
CHLORIDE	IS : 3025 (32):19	12.0 mg /L	250 Max.	1000 Max.	Yes
TOTAL HARDNESS	IS : 3025 (21):09	123 mg /L	200.0 Max.	600 Max.	Yes
CALCIUM (Ca)	IS : 3025 (40):24	30.5 mg /L	75.0 Max.	200 Max.	Yes
ALKALINITY	IS : 3025 (23):23	76.2 mg /L	200.0 Max.	600.0 Max.	Yes
SULPHATE	IS : 3025 (24):22	BDL mg /L	200.0 Max.	400.0 Max.	Yes
FLUORIDE(F)	IS : 3025 (60):08	BDL mg /L	1.0 Max	1.5 Max	Yes
CYANIDE (CN)	IS : 3025 (27):21	BDL mg / L	0.05 Max.	0.05 Max.	Yes
NITRATE	IS : 3025 (34):88	BDL mg /L	45.0 Max.	45.0 Max.	Yes
LEAD (Pb)	APHA 24th ED23 / ASTMD:1976:20	BDL mg /L	0.01 Max.	0.01 Max.	Yes
CADMIUM (Cd)	- do -	BDL mg /L	0.003 Max.	0.003 Max.	Yes
MAGNESIUM (Mg)	- do -	11.2 mg /L	30.0 Max.	100 Max.	Yes
IRON (Fe)	- do -	0.106 mg /L	0.3 Max.	0.3 Max.	Yes
NICKEL (Ni)	- do -	BDL mg /L	0.02 Max.	0.02 Max.	Yes
MANGANESE (Mn)	- do -	0.03 mg /L	0.1 Max.	0.3 Max.	Yes
COPPER (Cu)	- do -	BDL mg /L	0.05 Max.	1.5 Max.	Yes
CHROMIUM (Cr)	- do -	BDL mg /L	0.05 Max.	0.05 Max.	Yes
ZINC (Zn)	- do -	BDL mg /L	5.0 Max.	15.0 Max.	Yes
ARSENIC (As)	- do -	BDL mg /L	0.01 Max.	0.05 Max.	Yes
ALUMINIUM (Al)	- do -	BDL mg /L	0.03 Max.	0.2 Max.	Yes

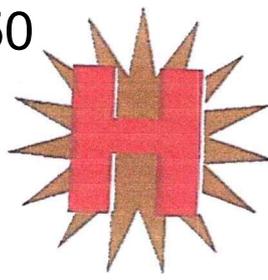
Observation : All Parameters are with in the Acceptable limit.

* BDL=Below Detection limit

041168


डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244061 Moradabad (U.P.) 244061

Contd..



Page 3 of : 3

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001247

Date of TR : 01.09.2025

CONCLUSION / REMARKS : Except P^H, Colour, Odour, Taste & Turbidity all limits are in mg /L.
: mg /L - miligram per litre
: 1 mg/kg = 1 ppm (PART PER MILLION)= 0.0001%

The tested water is free from any Toxic Content, As tested above parameters, However RTCL does not fully cover the specification of BIS for Drinking water IS : 10500 : 2012, (Second Revision).

Note :

1. QR Code is available on 1st page of the Test Report for the details of Accredited Scope. Vide C.R No TC- 6683.
2. The test results relate only to the Item(s) tested & we do not accept any Legal Liabilities.
3. This report is not to be reproduced wholly or in part and can not be used as an Evidence in the Court of Law & should not be used in any Advertising Media without prior permission of the Centre in writing.

SAMPLE NOT DRAWN BY RTCL

Authorised Signatory

डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

(Dr. R.K. SHARMA)

GENERAL MANAGER

91 - 591 - 2460131 /

9412530224

rtclindia@gmail.com

END OF REPORT

Facilities available at R.T.C.L. :-

- *Testing :- Lead & Cadmium Leaching, Total Lacquer Quality Test (Salt Spray, Humidity, Pin Hole, Adhesion etc.) Metallic & Non - Metallic Coating Thickness (Silver, Copper, Nickel, Zinc & Chrome etc. and Paint, Powder & Lacquer), Metal & Metal Alloys Composition, Drop Test & Bursting Test
- *Any Other problem in the field of Metal Finishing, Casting & Forming, Water & Waste Water Testing.
- *Consignment Inspection, Expert Opinion & Handicrafts Product Test as per Buyer Protocol.

SRS -

(Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India, New Delhi)

041168

[ISO/IEC:17025:2017 Accredited Testing Laboratory by NABL vide Certificate Number TC-6683]
US - Consumer Product Safety Commission - Accepted Testing Lab ID No. 1852

Pls. refer the website www.nabl-india.org to view our scope of Accredited Tests.

अनुसंधान, परीक्षण एवं कॅलिब्रेशन प्रयोगशाला

RESEARCH, TESTING AND CALIBRATION LABORATORY

RTC LABORATORY

(A Division of Metal Handicrafts Service Centre)

वस्त्र मंत्रालय, भारत सरकार के नियन्त्रणाधीन

(Under Control of Ministry of Textiles Govt. of India,)

Peetal Nagri, Rampur Road, Moradabad -244001 (U.P.) INDIA

Website : www.metalfinishanddesign.in



e-mail : rtclindia@gmail.com

☎ : +91-591-2460864

Telefax : +91-591-2460131

TEST REPORT

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001248

ULR No. : TC668325000001256F

Received Date : 30.08.2025

Customer Name

Address

Tel. No.

Contact Person

: M/S EXECUTIVE ENGINEER

: GROUND WATER DEPARTMENT SECTION -

MORADABAD B-161/4,

JIGAR VIHAR COLONY CIVIL LINE,

MORADABAD - 244001

: 9557437107

: MR. GANESH SINGH

Date of TR : 01.09.2025

Date of Test Start : 30.08.2025

Date of Test End : 01.09.2025

Page 1 of : 3



[ACCREDITED SCOPE]

CERTIFICATE No : TC-6683

Sample Testing Information

* Sample Description : GROUND WATER SAMPLE
(HANDPUMP INSTALLED IN FRONT OF
VILLAGE PIPLI NAYAK GOVERNMENT
SEED STORE

* Qty. Submitted : 01(ONE) NO. (1 LIT)

* Colour : NATURAL

* Customer Receipt Ref. Date : 30.08.2025

* Customer Ref. No. : पत्रांक -369 / भू० ज० वि० ख०-मुरा० / आई०
जी० आर० एस० / मुरादाबाद / दिनांक / अगस्त
30, 2025
DATED : 30.08.2025

* Style No. / Article No. : Not Provided

* Type of Test Required : WATER PARAMETERS EXCEPT BL TEST,
AS SPECIFIED BY CUSTOMER

* Deviation if any from
the standard including
environmental condition : N.A

Order No. : Not Provided

Buyer Name : Not Provided

Buying House : Not Provided

Country of
Destination : Not Provided

Country Origin : INDIA

SKU No./ Item No. : Not Provided



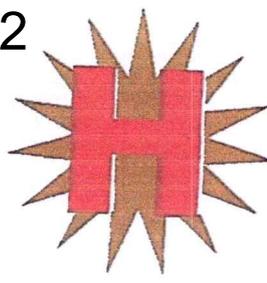
Sample from :(RM / In process / Finished Product) :- NA

041169

Contd..2

डा.रविन्द्र कुमार Dr. Ravindra Kumar
महानिदेशक General Manager
एम.एच.एस.सी. MISC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

041169



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001248

RESULT : Type of Test Conducted :- Water Parameters Except BL Test.

Sample Discription : GROUND WATER SAMPLE (HANDPUMP INSTALLED IN FRONT OF VILLAGE PIPLI NAYAK GOVERNMENT SEED STORE)

Type of Test Conducted	Test Method	Test Result	Requirement Limits as per IS:10500		Conformit
			Acceptable	Permissible	
P ^H	IS : 3025 (11):22	7.40	6.5 to 8.5	6.5 to 8.5	Yes
COLOUR	IS : 3025 (4):21	1.0 Hazan	5.0 Max.	15.0 Max.	Yes
ODOUR	IS : 3025 (5):18	Unobjectionable	Unobjectionable	Unobjectionable	Yes
TASTE	IS : 3025 (7):17	Agreeable	Agreeable	Agreeable	Yes
TOTAL DISSOLVED SOLIDS (T.D.S.)	IS : 3025 (16):23	221 mg / L	500.0 Max.	2000 Max.	Yes
TURBIDITY	IS : 3025 (10):23	BDL	1.0 Max.	5.0 Max.	Yes
CHLORIDE	IS : 3025 (32):19	13.0 mg /L	250 Max.	1000 Max.	Yes
TOTAL HARDNESS	IS : 3025 (21):09	119 mg /L	200.0 Max.	600 Max.	Yes
CALCIUM (Ca)	IS : 3025 (40):24	26.0 mg /L	75.0 Max.	200 Max.	Yes
ALKALINITY	IS : 3025 (23):23	65.0 mg /L	200.0 Max.	600.0 Max.	Yes
SULPHATE	IS : 3025 (24):22	BDL mg /L	200.0 Max.	400.0 Max.	Yes
FLUORIDE(F)	IS : 3025 (60):08	BDL mg /L	1.0 Max	1.5 Max	Yes
CYANIDE (CN)	IS : 3025 (27):21	BDL mg / L	0.05 Max.	0.05 Max.	Yes
NITRATE	IS : 3025 (34):88	BDL mg /L	45.0 Max.	45.0 Max.	Yes
LEAD (Pb)	APHA 24th ED23 / ASTMD:1976:20	BDL mg /L	0.01 Max.	0.01 Max.	Yes
CADMIUM (Cd)	- do -	BDL mg /L	0.003 Max.	0.003 Max.	Yes
MAGNESIUM (Mg)	- do -	13.0 mg /L	30.0 Max.	100 Max.	Yes
IRON (Fe)	- do -	0.06 mg /L	0.3 Max.	0.3 Max.	Yes
NICKEL (Ni)	- do -	BDL mg /L	0.02 Max.	0.02 Max.	Yes
MANGANESE (Mn)	- do -	0.02 mg /L	0.1 Max.	0.3 Max.	Yes
COPPER (Cu)	- do -	BDL mg /L	0.05 Max.	1.5 Max.	Yes
CHROMIUM (Cr)	- do -	BDL mg /L	0.05 Max.	0.05 Max.	Yes
ZINC (Zn)	- do -	BDL mg /L	5.0 Max.	15.0 Max.	Yes
ARSENIC (As)	- do -	BDL mg /L	0.01 Max.	0.05 Max.	Yes
ALUMINIUM (Al)	- do -	BDL mg /L	0.03 Max.	0.2 Max.	Yes

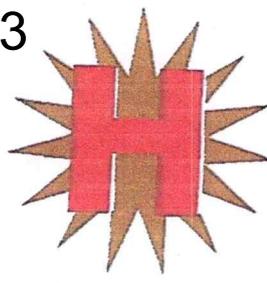
Observation : All Parameters are with in the Acceptable limit.

* BDL=Below Detection limit

041169


डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. M.H.S.C.
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

Contd..



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001248

CONCLUSION / REMARKS : Except P^H, Colour, Odour, Taste & Turbidity all limits are in mg /L.
: mg /L - miligram per litre

: 1 mg/kg = 1 ppm (PART PER MILLION)= 0.0001%

The tested water is free from any Toxic Content, As tested above parameters, However RTCL does not fully cover the specification of BIS for Drinking water IS : 10500 : 2012, (Second Revision).

Note :

1. QR Code is available on 1st page of the Test Report for the details of Accredited Scope. Vide C.R No TC- 6683.
2. The test results relate only to the Item(s) tested & we do not accept any Legal Liabilities.
3. This report is not to be reproduced wholly or in part and can not be used as an Evidence in the Court of Law & should not be used in any Advertising Media without prior permission of the Centre in writing.

SAMPLE NOT DRAWN BY RTCL

Authorised Signatory

डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

(Dr. R.K. SHARMA)
GENERAL MANAGER
91 - 591 - 2460131 /
9412530224
rtclindia@gmail.com

END OF REPORT

Facilities available at R.T.C.L. :-

- *Testing :- Lead & Cadmium Leaching, Total Lacquer Quality Test (Salt Spray, Humidity, Pin Hole, Adhesion etc.) Metallic & Non - Metallic Coating Thickness (Silver, Copper, Nickel, Zinc & Chrome etc. and Paint, Powder & Lacquer), Metal & Metal Alloys Composition, Drop Test & Bursting Test
- *Any Other problem in the field of Metal Finishing, Casting & Forming, Water & Waste Water Testing.
- *Consignment Inspection, Expert Opinion & Handicrafts Product Test as per Buyer Protocol.

SRS -

(Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India, New Delhi)

041169

[ISO/IEC:17025:2017 Accredited Testing Laboratory by NABL vide Certificate Number TC-6683]

US - Consumer Product Safety Commission - Accepted Testing Lab ID No. 1852

Pls. refer the website www.nabl-india.org to view our scope of Accredited Tests.

अनुसंधान, परीक्षण एवं कैलिब्रेशन प्रयोगशाला

RESEARCH, TESTING AND CALIBRATION LABORATORY

RTC LABORATORY

(A Division of Metal Handicrafts Service Centre)

वस्त्र मंत्रालय, भारत सरकार के नियन्त्रणाधीन
(Under Control of Ministry of Textiles Govt. of India,)

Peetal Nagri, Rampur Road, Moradabad -244001 (U.P.) INDIA

Website : www.metalfinishanddesign.in



☎ : +91-591-2460864
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e-mail : rtclindia@gmail.com

TEST REPORT

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001249

ULR No. : TC668325000001257F

Received Date : 30.08.2025

Customer Name

Address

Tel. No.

Contact Person

: M/S EXECUTIVE ENGINEER

: GROUND WATER DEPARTMENT SECTION -

MORADABAD B-161/4,

JIGAR VIHAR COLONY CIVIL LINE,

MORADABAD - 244001

: 9557437107

: MR. GANESH SINGH

Date of TR : 01.09.2025

Date of Test Start : 30.08.2025

Date of Test End : 01.09.2025

Page 1 of : 3



[ACCREDITED SCOPE]

CERTIFICATE No : TC-6683

Sample Testing Information

* Sample Description : GROUND WATER SAMPLE
(HANDPUMP INSTALED IN, TRIVENI
COMPANY AREA OPPOSITE FRONT
GATE)

* Qty. Submitted : 01(ONE) NO. (1 LIT)

* Colour : NATURAL

* Customer Receipt Ref. Date : 30.08.2025

* Customer Ref. No. : पत्रांक -369 / भू० ज० वि० ख०-मुरा० / आई०
जी० आर० एस० / मुरादाबाद / दिनांक / अगस्त
30, 2025
DATED : 30.08.2025

* Style No. / Article No. : Not Provided

* Type of Test Required : WATER PARAMETERS EXCEPT BL TEST,
AS SPECIFIED BY CUSTOMER

* Deviation if any from
the standard including
environmental condition : N.A

Order No. : Not Provided

Buyer Name : Not Provided

Buying House : Not Provided

Country of
Destination : Not Provided

Country Origin : INDIA

SKU No./ Item No. : Not Provided

Sample from :(RM / In process / Finished Product) :- NA

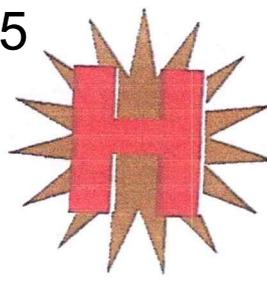
041170

Contd..2



Dr. Ravindra Kumar
डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एच.एच.एस.सी. MISC
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041170



TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001249

RESULT : Type of Test Conducted :- Water Parameters Except BL Test.

Sample Discription : GROUND WATER SAMPLE (HANDPUMP INSTALED IN, TRIVENI COMPANY AREA OPPOSITE FRONT GATE)

Type of Test Conducted	Test Method	Test Result	Requirement Limits as per IS:10500		Conformit
			Acceptable	Permissible	
P ^H	IS : 3025 (11):22	7.20	6.5 to 8.5	6.5 to 8.5	Yes
COLOUR	IS : 3025 (4):21	1.0 Hazan	5.0 Max.	15.0 Max.	Yes
ODOUR	IS : 3025 (5):18	Unbjectionable	Unobjectionable	Unobjectionable	Yes
TASTE	IS : 3025 (7):17	Agreeable	Agreeable	Agreeable	Yes
TOTAL DISSOLVED SOLIDS (T.D.S.)	IS : 3025 (16):23	198 mg / L	500.0 Max.	2000 Max.	Yes
TURBIDITY	IS : 3025 (10):23	BDL	1.0 Max.	5.0 Max.	Yes
CHLORIDE	IS : 3025 (32):19	12.6 mg /L	250 Max.	1000 Max.	Yes
TOTAL HARDNESS	IS : 3025 (21):09	109 mg /L	200.0 Max.	600 Max.	Yes
CALCIUM (Ca)	IS : 3025 (40):24	25.0 mg /L	75.0 Max.	200 Max.	Yes
ALKALINITY	IS : 3025 (23):23	62.5 mg /L	200.0 Max.	600.0 Max.	Yes
SULPHATE	IS : 3025 (24):22	BDL mg /L	200.0 Max.	400.0 Max.	Yes
FLUORIDE(F)	IS : 3025 (60):08	BDL mg /L	1.0 Max	1.5 Max	Yes
CYANIDE (CN)	IS : 3025 (27):21	BDL mg / L	0.05 Max.	0.05 Max.	Yes
NITRATE	IS : 3025 (34):88	BDL mg /L	45.0 Max.	45.0 Max.	Yes
LEAD (Pb)	APHA 24th ED23 / ASTMD:1976:20	BDL mg /L	0.01 Max.	0.01 Max.	Yes
CADMIUM (Cd)	- do -	BDL mg /L	0.003 Max.	0.003 Max.	Yes
MAGNESIUM (Mg)	- do -	11.0 mg /L	30.0 Max.	100 Max.	Yes
IRON (Fe)	- do -	0.092 mg /L	0.3 Max.	0.3 Max.	Yes
NICKEL (Ni)	- do -	BDL mg /L	0.02 Max.	0.02 Max.	Yes
MANGANESE (Mn)	- do -	0.03 mg /L	0.1 Max.	0.3 Max.	Yes
COPPER (Cu)	- do -	BDL mg /L	0.05 Max.	1.5 Max.	Yes
CHROMIUM (Cr)	- do -	BDL mg /L	0.05 Max.	0.05 Max.	Yes
ZINC (Zn)	- do -	0.024 mg /L	5.0 Max.	15.0 Max.	Yes
ARSENIC (As)	- do -	BDL mg /L	0.01 Max.	0.05 Max.	Yes
ALUMINIUM (Al)	- do -	BDL mg /L	0.03 Max.	0.2 Max.	Yes

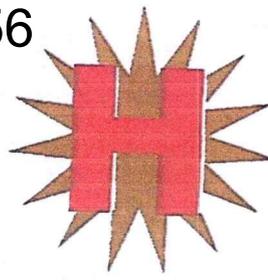
Observation : All Parameters are with in the Acceptable limit.

* BDL=Below Detection limit

041170


डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

Contd..



Page 3 of : 3

TR REF. No. : RTCL - 39311 / 2025 - 26 / Q2C- 2526090001249

Date of TR : 01.09.2025

CONCLUSION / REMARKS : Except P^H, Colour, Odour, Taste & Turbidity all limits are in mg /L.
: mg /L - miligram per litre

: 1 mg/kg = 1 ppm (PART PER MILLION)= 0.0001%

The tested water is free from any Toxic Content, As tested above parameters, However RTCL does not fully cover the specification of BIS for Drinking water IS : 10500 : 2012, (Second Revision).

Note :

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SAMPLE NOT DRAWN BY RTCL

Authorised Signatory

डा.रविन्द्र कुमार Dr. Ravindra Kumar
महाप्रबन्धक General Manager
एम.एच.एस.सी. MHSC
मुरादाबाद (उ.प्र.) 244001 Moradabad (U.P.) 244001

(Dr. R.K. SHARMA)
GENERAL MANAGER

91 - 591 - 2460131 /
9412530224

rtclindia@gmail.com

END OF REPORT

Facilities available at R.T.C.L. :-

- *Testing :- Lead & Cadmium Leaching, Total Lacquer Quality Test (Salt Spray, Humidity, Pin Hole, Adhesion etc.) Metallic & Non - Metallic Coating Thickness (Silver, Copper, Nickel, Zinc & Chrome etc. and Paint, Powder & Lacquer), Metal & Metal Alloys Composition, Drop Test & Bursting Test
- *Any Other problem in the field of Metal Finishing, Casting & Forming, Water & Waste Water Testing.
- *Consignment Inspection, Expert Opinion & Handicrafts Product Test as per Buyer Protocol.

SRS -

(Under Control of Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India, New Delhi)

041170

[ISO/IEC:17025:2017 Accredited Testing Laboratory by NABL vide Certificate Number TC-6683]
US - Consumer Product Safety Commission - Accepted Testing Lab ID No. 1852

Pls. refer the website www.nabl-india.org to view our scope of Accredited Tests.