

IN THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI.
O.A. No. 192/2023

IN THE MATTER OF: -

Gurdeep Singh & Other

.....Applicant

Versus

State of Haryana

.....Respondent

INDEX

| Sr. No | Particulars | Page |
|--------|--|-------|
| 1 | Status Report in compliance of orders dated 02.11.2023. | 1-6 |
| 2. | <u>ANNEXURE R-1.</u> Copy of the analysis report No.1118 dated 12.01.2024 | 7 |
| 3. | <u>ANNEXURE R-2 & R-3.</u> Copies of the analysis reports No.4189-4190 dated 17.01.2024 | 8-11 |
| 4. | <u>ANNEXURE R-4.</u> Copies of the spot inspection report dated 08.01.2024 and photographs | 12-18 |
| 5. | <u>ANNEXURE R-5</u> Copy of the point wise compliance of the conditions of the Consent to Operate of M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra | 19 |
| 6. | <u>ANNEXURE R-6 & R-7</u> Copies of the analysis report vide No.4192 & 4193 dated 17.01.2024 | 20-23 |
| 7. | <u>ANNEXURE R-8</u> Copy of the analysis report No.1119 dated 12.01.2024 | 24 |
| 8. | <u>ANNEXURE R-9</u> Copy of the point wise compliance of the conditions of the Environment Clearance of M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra | 25-29 |
| 9. | <u>ANNEXURE R-10</u> Copy of the point wise compliance of the conditions of the Consent to Operate of M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra | 30 |
| 10. | <u>ANNEXURE R-11</u> Copies of the spot inspection report dated 08.01.2024 and photographs | 31-41 |
| 11. | <u>ANNEXURE R-12</u> Copy of the analysis report vides No.4191 dated 17.01.2024 | 42-43 |
| 12. | <u>ANNEXURE R-13</u> Copies of the analysis reports vide No.4005 to 4020 dated 29.12.2023 | 44-75 |
| 13. | <u>ANNEXURE R-14</u> Copy of the CMO report dated 19/01/2024 | 76-77 |

FILED BY: -

Place: Kurukshetra

Dated: 20.01.2024


Regional Officer, HSPCB, Kurukshetra

IN THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI.
O.A. No. 192/2023

IN THE MATTER OF: -

Gurdeep Singh & OtherApplicant

Versus

State of HaryanaRespondent

STATUS REPORT IN COMPLIANCE OF ORDERS DATED 02.11.2023

MOST RESPECTFULLY SHOWETH:-

1. Present complaint has been filed against the following units:-
 - I. M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra.
 - II. M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra.

The complainant alleged that above mentioned units are not maintaining environmental norms and emitting huge smoke and producing black fly ash causing serious health hazards to the local people. The unit is also discharging industrial effluent without proper treatment, in the open land, causing contamination of ground water and this contaminating water is used by villagers for drinking purpose.
2. The Hon'ble NGT vide orders dated 28.04.2023, a joint committee was constituted comprising of State PCB and District Magistrate, Kurukshetra.
3. Thereafter, Hon'ble NGT vide has passed an order dated 02.11.2023 with the following directions:-
 - "2. The status report dated 31.10.2023 filed by the District Magistrate, Kurukshetra states that both the units i.e. Cooperative Sugar Mill and Ethanol Plant are found to be lying closed due to off season and that the units are expected to start operation in the month of November, 2023.*
 - 3. In view of this, prayer has been made for granting two months' time to file the complete report after inspecting the units.*
 - 4. A prayer is allowed. Let the report in terms of the above prayer be filed on or before the next date of hearing.*
 - 5. List this matter on 22.01.2024."*

4. That both the units (M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra and M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra) have been visited by the joint committee on 08.01.2024. During the inspection, it has been found that both the units are operational and samples of effluent and air emissions were collected. The details of the samples alongwith analysis report are mentioned in succeeding paragraphs.
5. **Status report of M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra:-**The said unit is a sugar mill and falls under the consent management of the Board vide policy order dated 04.12.2020 under Red category. The said unit is operating after obtaining Consent to Operate from the Board which is valid upto 30.09.2024.

The said unit was inspected by the joint committee on 08.01.2024. The cane crushing capacity of the sugar mill is 5000 TPD. During the inspection, it was found that said unit has installed a boiler having steam generation capacity of 125 TPH and the same is equipped with air pollution control device i.e. ESP. The unit is using Bagass as fuel in the boiler. The said unit has provided adequate stack height. The unit has also provided the Online Continuous Emission Monitoring System (OCEMS) on the stack emission and the data of the same is continuously displayed on the servers of HSPCB as well as CPCB. The ash generated from the boiler is being disposed off by the unit through the service provider i.e. M/s Shree Ram Enterprises, 1st Floor, 5250, Anaj Mandi, Distt. Ambala Cant. The sample of stack emissions was collected and as per analysis report issued vide No.1118 dated 12.01.2024, the parameters are found within prescribed limits. Copy of the analysis report dated 12.01.2024 is attached herewith as **Annexure-R-1**.

The sample of the effluent was also collected from the inlet of both ETPs and Outlet of both ETPs of the unit (each having capacity of 1250m³). Both the ETPs (Old & New) are connected with Online Continuous Effluent Monitoring System (OCEMS) on the outlet of ETP and the data of the same is displayed on the servers of HSPCB as well as CPCB. The samples of trade effluent were collected and as per

analysis report issued vide No.4189 dated 17.01.2024 (for old ETP) and issued vide No.4190 dated 17.01.2024 (for new ETP), all the parameters are found within prescribed limits. Copies of the analysis reports dated 17.01.2024 are attached herewith as Annexure-R-2 & R-3. Copies of the spot inspection report dated 08.01.2024 and photographs taken during the inspection are attached as Annexure-R-4. Moreover, no discharge of effluent without treatment was found and also no reverse pumping was found. Copy of the point wise compliance of the conditions of the Consent to Operate is attached as Annexure-R-5.

The said unit has made an agreement with authorized service provider for the scientific disposal of used oil/waste oil. The said unit has also provided the adequate capacity of storage room for hazardous waste generated from the unit. The said unit has also obtained authorization under Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 valid upto 30.09.2025.

The underground water sampling has also been carried out by the joint committee within the premises of this unit. The following underground water samples were collected:

- a. Tubewell (Pump-1) installed inside premises of the unit near workshop.
- b. Tubewell (Pump-2) installed inside premises of the unit near boiler section.

As per analysis report issued vide No.4192 dated 17.01.2024 (Tubewell Pump -1) and issued vide No.4193 dated 17.01.2024 (Tubewell Pump-2), the parameters are found within prescribed limits of the potable drinking water standards. Copies of the analysis report vide No.4192 & 4193 dated 17.01.2024 are attached herewith as Annexure-R-6 & R-7.

6. **Status report of M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra:-**The said unit is a Ethanol Plant 60 KLPD and falls under the consent management of the Board vide policy order dated 04.12.2020 under Red category. The said unit was established after obtaining Environment Clearance from Ministry of Environment, Forest & Climate Change vide on 08.06.2016. The said unit was inspected by the joint committee on 08.01.2024. During the inspection, it has been found that said unit has installed a boiler having steam generation capacity of 20 TPH and the same is

equipped with air pollution control device i.e. ESP. The unit is using Bagass as fuel in the boiler. The said unit has provided adequate stack height. The unit has also provided the Online Continuous Emission Monitoring System (OCEMS) on the stack emission and the data of the same is displayed on the servers of HSPCB as well as CPCB. The ash generated from the boiler is being disposed off by the unit through the service provider i.e. M/s Surya Traders, Village Gangnauli, Post Tasipur, Distt. Saharanpur, Uttar Pradesh. The sample of stack emissions was collected and as per analysis report issued vide No.1119 dated 12.01.2024, the parameters are found within prescribed limits. Copy of the analysis report dated 12.01.2024 is attached herewith as **Annexure-R-8**.

7. The said unit is operating after obtaining Consent to Operate from the Board valid upto 30.09.2024. Copy of the point wise compliance of the conditions of the Environment Clearance is attached as **Annexure-R-9**. Copy of the point wise compliance of the conditions of the Consent to Operate is attached as **Annexure-R-10**. The unit has provided adequate capacity of effluent treatment plant and treated effluent is being re-used after treatment. Also no reverse pumping was found at site. The said unit has installed Zero Liquid Discharge system (ZLD) for effluent. The said unit has provided the PTZ Camera and also provided Online Continuous Effluent Monitoring System (OCEMS) on the outlet of ETP. The OCEMS is connected with the servers of HSPCB as well as CPCB. Samples of trade effluent were not collected as no discharge was observed as the unit is based upon ZLD and having no discharge outside the premises. Copies of the spot inspection report dated 08.01.2024 and photographs taken during the inspection are attached as **Annexure-R-11**.

The said unit has made an agreement with authorized service provider for the scientific disposal of used oil/waste oil. The said unit has also provided the adequate capacity of storage room for hazardous waste generated from the unit. The said unit has obtained authorization under Hazardous & Other Waste (Management and Transboundary Movement) Rules, 2016 valid upto 30.09.2024.

The underground water sample from Borewell (Water Pump), installed inside premises of the unit at Backside of Boiler section (Ethanol Plant) has also been carried out by the joint committee and as per analysis report issued vide No.4191 dated 17.01.2024, the

parameters are found within prescribed limits of the potable drinking water standards. Copy of the analysis report vides No.4191 dated 17.01.2024 is attached herewith as **Annexure-R-12**.

Moreover, the underground water samples were also collected by the joint committee from the various nearby areas. The detail of underground water samples is as under:

- a. Underground water sample collected from Pump House of HUDA, Sector-1, Shahabad Markanda, Kurukshetra.
- b. Underground water sample collected from HUDA Part-II, Sector-1, Shahabad Markanda, Kurukshetra.
- c. Underground water sample collected from Pump House-1 of Village Deeg, Shahabad Markanda, Kurukshetra.
- d. Underground water sample collected from Pump House-2 of Village Deeg, Shahabad Markanda, Kurukshetra.
- e. Underground water sample collected from Pump House-1 at Near Shamsan Ghat of Village Yari, Shahabad Markanda, Kurukshetra.
- f. Underground water sample collected from Pump House-1 of Village Jogi Majra, Shahabad Markanda, Kurukshetra.
- g. Underground water sample collected from Pump House at Near Govt. School of Village Jhanderi, Shahabad Markanda, Kurukshetra.
- h. Underground water sample collected from Pump House at Near Govt. School of Village Jhanderi, Shahabad Markanda, Kurukshetra (002).
- i. Underground water sample collected from Pump House of Village Chhapra, Shahabad Markanda, Kurukshetra.
- j. Underground water sample collected from Pump House of Village Chhapri, Shahabad Markanda, Kurukshetra.
- k. Underground water sample collected from Pump House-1 at Goga Meddi, of Village Dangali, Shahabad Markanda, Kurukshetra.
- l. Underground water sample collected from Pump House-2 at Near Shamsan Ghat of Village Dangali, Shahabad Markanda, Kurukshetra.
- m. Underground water sample collected from Pump House-3 at New Colony of Village Dangali, Shahabad Markanda, Kurukshetra.

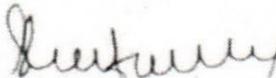
- n. Underground water sample collected from Pump House-1 at Village Yara, Shahabad Markanda, Kurukshetra.
- o. Underground water sample collected from Pump House-3 at Govt. School of Village Yara, Shahabad Markanda, Kurukshetra.
- p. Underground water sample collected from Pump House-2 at Shamshan Ghat of Village Yara, Shahabad Markanda, Kurukshetra.

As per analysis report issued vide Nos.4005 to 4020 dated 29.12.2023 (Respectively Point No. a to p), the parameters are found within prescribed limits of the potable drinking water standards. Copies of the analysis report vide No.4005 to 4020 dated 29.12.2023 are attached herewith as **Annexure-R-13**.

8. The unit was earlier inspected on 02.02.2022 by the team (CPCB third party). During inspection certain deficiencies was found. After receipt of said inspection report a show cause notice for closure and revocation of consent to operate was issued to the unit on 05.07.2022. Thereafter, unit submitted compliance vide letter dated 03.08.2022 which was verified on 22.12.2022 and the unit was found complying. The case of imposition of Environmental Compensation upon M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra is under process.
9. That the Chief Medical Officer, Kurukshetra was also requested to analyze whether there is spread of any disease in the nearby villages due to operation of said units vide letter dated 14.12.2023. The CMO, Kurukshetra has submitted vide letter dated 19.01.2024 that there is no direct or indirect evidence of any specific disease in the nearby villages. Copy of the CMO report dated 19.01.2024 is attached as **Annexure-R-14**.

The report is submitted for kind consideration please. It is undertaken to comply with the directions passed by the Hon'ble Tribunal.


Regional Officer
HSPCB, Kurukshetra


Deputy Commissioner
Kurukshetra

Place: Kurukshetra

Date: 20.01.2024



308 Form IV

Annexure-R-1

(See Rule 20)

Report No- 1118

Dated: 12.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (2) of section 29 of the Air (Prevention and Control of Pollution) Act 1981 received a sample on the 09th January of, 2024, collected by Dr. Devender Singh, Sc.B on the 08th January of, 2024, of M/s The Shahbad Co.op, Sugar Mill, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th day January of, 2023, to 12th -January-2024 and declare the result of analysis to be as follows:-

| <u>Sr.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Limit</u> |
|------------|--|---------------|--------------|
| 1. | Sample Code | 1118 | |
| 2. | Name of Plant/ Section # | Boiler | |
| 3. | Stack Attached to # | Boiler | |
| 4. | Normal Operating Schedule (hr/day)# | 24 hrs | |
| 5. | Type of Chimney # | ACC | |
| 6. | Stack Temperature (°C) # | 139 | |
| 7. | Average stack velocity (m/sec) # | 7.82 | |
| 8. | Stack Height from Ground Level # | 65 m | |
| 9. | Diameter of the Stack # | 3.6 m | |
| 10. | Quantity of Emission (m ³ /sec) | 79.6 | |
| 11. | Type of Fuel # | Bagasses | |
| 12. | Suspended particulate matter (mg/m3) | 21.0 | 150 |

Method of Testing As per relevant part of Indian Standard Methods for Measurement of Air Pollution IS:11255 (P-1) Stack/IS:5182(P-4) Ambient and Emission regulation part III of Central Pollution Control Board.

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 12.01.2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana
To

The Member Secretary, HSPCB, Panchkula

Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

This information is provided by the field officer.

End of the Report

Neeraj Bala
Board Analyst



Report No- 4189

Form J

(See Rule 36)



TC-11969

Dated: 17.01.2024

Type of Sample: Legal

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s The Shahabad Co-Op Sugar Mill, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| Sr. No. | Parameter Name | Result | Result | Limit | Test Method |
|---------|-------------------------------|-----------------------|------------------------|---------|----------------------------|
| 1. | Sample Code | 6106 | 6107 | | |
| 2. | Sample Collected from | Inlet of ETP (old) | Outlet of ETP (old) | | |
| 3. | pH value at 25°C | 11.28 | 7.25 | 5.5-8.5 | APHA,4500H+B(24th Edition) |
| 4. | BOD (mg/l) | 175.0 | 18.0 | 30 | IS:3025(Part-44) |
| 5. | COD (mg/l) | 648.0 | 96.0 | 250 | APHA,5220-B(24th Edition) |
| 6. | Total Suspended Solids mg/l | 365.0 | 45.0 | 100 | APHA,2540-D(24th Edition) |
| 7. | Oil and Grease (mg/l) | 36.0 | BDL(DL=2) | 10 | APHA,5520-B(24th Edition) |
| 8. | Conductivity (u S/cm) at 25°C | 4620.0 | 869.0 | - | IS:3025(Part-14):2013 |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January, 2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst



Form J

(See Rule 36)

Report No- 4189

Type of Sample: Legal

Dated: 17.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s The Shahabad Co-Op Sugar Mill, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Result</u> | <u>Limit</u> | <u>Test Method</u> |
|----------------|-----------------------|---------------|---------------|--------------|--------------------|
| 1. | Color | Yellowish | Clear | - | - |
| 2. | Odour | Foul smell | No Smell | - | - |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January, 2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst

End of the Report



Report No- 4190

Form J

(See Rule 36)



TC-11969

Dated: 17.01.2024

Type of Sample: Legal

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s The Shahabad Co-Op Sugar Mill, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Result</u> | <u>Limit</u> | <u>Test Method</u> |
|----------------|-------------------------------|-----------------------|------------------------|--------------|----------------------------|
| 1. | Sample Code | 6108 | 6109 | | |
| 2. | Sample Collected from | Inlet of ETP (New) | Outlet of ETP (New) | | |
| 3. | pH value at 25°C | 5.27 | 7.05 | 5.5-8.5 | APHA,4500H+B(24th Edition) |
| 4. | BOD (mg/l) | 150.0 | 12.0 | 30 | IS:3025(Part-44) |
| 5. | COD (mg/l) | 580.0 | 72.0 | 250 | APHA,5220-B(24th Edition) |
| 6. | Total Suspended Solids mg/l | 208.0 | 31.0 | 100 | APHA,2540-D(24th Edition) |
| 7. | Oil and Grease (mg/l) | 30.5 | BDL(DL=2) | 10 | APHA,5520-B(24th Edition) |
| 8. | Conductivity (u S/cm) at 25°C | 2470.0 | 835.0 | - | IS:3025(Part-14):2013 |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January, 2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst



Form J

(See Rule 36)

Report No- 4190

Type of Sample: Legal

Dated: 17.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s The Shahabad Co-Op Sugar Mill, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Result</u> | <u>Limit</u> | <u>Test Method</u> |
|----------------|-----------------------|---------------|---------------|--------------|--------------------|
| 1. | Color | Yellowish | Clear | - | - |
| 2. | Odour | Foul smell | No Smell | - | - |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January, 2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst

End of the Report

313



Regional office,
Haryana State Pollution Control Board
SCO 13-P 2nd Floor Sector 17, Kurukshetra.
Email-hspcbrokr@gmail.com

Annexure-A

SPOT INSPECTION REPORT OF THE INDUSTRIESA General Information of unit

1. Name & Address of the unit : M/S The Shahabad Coop
Sugar mill Ladwa Road
Shahabad KLR
2. Email id of the unit/occupier : scsmsbd1@gmail.com
3. Telephone Nos. : 01744-240118
4. Fax Nos. :
5. Date & Time of Inspection : 08.01.2024
6. Category of Unit : Red/Orange/Green
7. Type of Units : Category/Seriously
Polluting /others
8. Size of unit based upon investment cost
of Plant & Machinery : Large/ Medium/ Small
9. Name of the representative of the unit with
designation present at the time of the inspection. : Devender Singh 7988118007
10. Name of the Directors/partners/Proprietor/
Manager/Occupier etc. : Sh. Rajiv Prashed. HCS
11. Detail of products/by product manufactured
(with capacity of installation &
quantity per annum) : white sugar
12. Detail of Raw Material used
(with quantity per annum) : Sugarcane
13. Manufacturing Process (in brief) : Crushing of sugarcane, milling
14. Detail of Machinery Installed Involving
polluting process : Clarification, turbine, boiling house
15. Date of Commissioning of the unit : 1985
16. Status of Consent to Establish : obtained
17. Status of Consent to Operate : obtained up to 30.09.2024
18. Status of Authorization under HWM Rules. : upto 30.09.2025

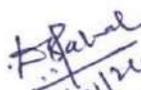
B Air Pollution

1. Sources of air emissions from process of
unit including fugitive emissions with type
of Boilers/Furness, capacity & stack height. : Boiler 125 TPH
2. Status of online monitoring System (Stacks/ AAQ):
if applicable : Stack
3. Details about deviation in the details/ stack of Air
emission/ type of fuel if any already provided to
Board. : No deviation

As per
8/1/24

Chief Engineer
Shahabad Co-op. Sugar Mills Ltd
Shahabad (M) (Haryana)

- 4. Detail of Stacks/ Chimneys/ Vents : 01
- 5. Whether Height of all stacks/ Chimneys as per norms : As per norm
- 6. Capacity of D.G. Sets : 1010 kVA
- 7. Stack height of D.G. Sets above programme and whether as per norms : Yes
- 8. Status of Acoustic Enclosure on D. G. Sets : Yes
- 9. Noise results of DG Sets Monitored during inspection : No
- 10. Type & Quantity of Fuel used (Separate for each source) : Bugasses.
- 11. Status of Air Pollution Control Devices (APCD) : Required
- (a) Required or Not : Provided
- (b) Provided or Not : ESP (3 stage)
- (c) Detail of APCD provided with detail of all Components. : Yes
- (d) Whether Structurally adequate or Not : Sample collected.
- (e) Whether operating APCD Satisfactorily : NA
- 12. Whether provided separate flow meters in case of wet scrubber : NA
- 13. Whether maintained Log. Book for consumption of Electricity/ Chemicals/ water for APCD. : Yes
- 14. Detail of treatment of effluent in case of wet scrubber & its mode of disposal. : NA
- 15. Whether provided Sampling arrangements on all stacks /chemneys Including DG Sets. : Provided.
- 16. General Remarks
- C Water Consumption
- 1. Sources of water supply : Borewell (2 No)
- 2. Detail of measuring devices provided if any such as flow Meters, V- notch etc. : Yes
- 3. Whether measuring devices has been sealed : Yes
- 4. Whether maintained the log book for supply of water from all sources & consumption for various uses.
- 5. Detail of Water Consumption per day/ month : 50 KLD
- (a) Domestic Purpose : 844 KLD
- (b) Boiler / Cooling : 300 KLD
- (c) Industrial use (Easily Biodegradable) : -
- (d) Industrial use (Not Easily Biodegradable)
- (e) Other
- 6. General Remarks
- D Water Pollution
- 1. Source & processes of Water Pollution including raw water treatment if any : from Boiler, washing, & Domestic use


 08/01/24
 Chief Engineer
 Shehabed Co-op. Sugar Mills Ltd
 Shehabed (M) (Harvana)

2. No. of outlets for discharge of effluent
3. Quality of Effluent in KLD
4. Status of Effluent Treatment Plant (ETP)/ Sewage Treatment Plant (STP)
 - (a) Required or Not
 - (b) Installed or Not
 - (c) Detail of STP/ETP Provided (if required) with detail of all components and technology used
 - (d) Whether structurally adequate or not
 - (e) Whether operating STP/ETP Satisfactorily
 - (f) Whether provided online chemical dosing system/ pH meter
5. Mode of Discharge of effluent
6. Name of Water recipient body if any
7. Detail of land in case effluent is discharged for percolation/ irrigation purpose with justification for its 100% utilization.
8. Status of ZLD as per CPCB directions if applicable
9. Whether provided flow meters on outlet & Inlet of ETP/STP
10. Whether provided separate electricity meter on ETP/STP
11. Whether maintained Log Book for consumption of Electricity/ Chemicals/Quantity of effluent.
12. Status of online monitoring System, if applicable
13. General Remarks
- E. Hazardous Waste Management**
1. Category of Hazardous Waste generated as per rules
2. Type & Qty. of Hazardous Waste generated
3. Stock-Pile Quantity of Hazardous Waste
4. Mode of Disposal & treatment of Haz. Waste
5. Size of Hazardous waste storage site
6. Display Board for Hazardous Waste at Factory Gate Provided or not
7. Whether agreement made with the service provider

Domestic: 01
 Trade: 01
 Domestic: 30 kLD
 Trade: 295 KLD

| ETP-old | ETP-new |
|--|--|
| Required | Required |
| Installed | Installed |
| Primary clarifier neutralization multiband filter Activated Carbon & sand filter Sample collected | Neutralization, Primary clarifier, multiband filter, Activated Carbon and sand filter Sample collect. |

Domestic: Public sewer
 Trade: Irrigation.

NA
 26 Acre land farm Parle
 5 Acre colony Parle

| ETP-old | ETP New |
|--------------|---------------|
| NA | NA |
| Yes | Yes |
| Yes | Yes |
| Yes | Yes |
| omd Provided | omd Provided; |

waste oil & oily sludge

- (i) incinerable
- (ii) recyclable
- (iii) disposable for landfill
- (iv) Total

-
 sent to authorized service provider
 oil in Drum
 Yes
 Yes

Asst. Engr.
 28/01/24
Chief Engineer
 Shahabad Co-op. Sugar Mills Ltd
 Shahabad (M) (Haryana)

for disposal of hazardous waste (if yes, give detail with validity

8: Details of Hazardous Waste transported to service provider *Sent to authorized service provider*

F Hazardous Chemicals Handling & Management and PLI Act, 1991

1. List & Qty. of Hazardous chemical handled & used: (if any) with threshold quantity
2. Whether prepared on site emergency plan and taken Insurance policy under PLI Act, 1991.
3. Name of insurer agency with date & validity of policy
4. Whether Hazardous chemicals handling & storage: facility is adequate
5. Remarks

} NA

The said unit is a sugar mills and falls under Red category of the consent management. The said unit installed 125 TPH Boilers in the unit and Baggasses use as a fuel in the Boilers & Boilers equiped with ESP as APCMs. The said unit provided 2 ETP plant of 1250 KLD each. Sampling of Boilers and Both ETP sent for Analysis in the Laboratory.

Ashtad
08/11/24
Signature of the representative of the unit
Name & Designation
Shabab (Haryana)
Co-op. Sugar Mills Ltd

Dr. Singh
Signature of the Officer/Officers of the Board who conducted the inspection
Name & Designation
Dr. Devender Singh
SI-B HSPCB KLR



फिराई सत्र 2023-24 के शुभारंभ के अवसर पर
श्री शाहीबाद अहकरी एनी क्लब
आयका हादिक अभिषेकण कयदी है

धरमपुरी क्लब का
संस्थापक अध्यक्ष



GPS Map Camera

Kurukshetra, Haryana, India

5V3R+F7X children park, Haryana 136135, India

Lat 30.153456°

Long 76.89138°

08/01/24 02:08 PM GMT +05:30

Google





Compliance of conditions of Consent to Operate of M/s The Shahabad Cooperative Sugar Mill, Shahabad-Markanda, Kurukshetra.

| Sr. No. | Conditions of Consent to Operate | Compliance Status |
|---------|---|--|
| 1. | That the unit will not discharge any kind of effluent without treatment | Treated water used in irrigation Purpose |
| 2. | That the unit will comply the order/ direction issued by the Hon'ble Supreme Court of India, Punjab & Haryana High Court, NGT, Environment Court or any other court | Yes |
| 3. | That the unit will apply for renewal of consent to operate before 90 days from the expiry of this CTO | CTO valid upto 30.09.2024 |
| 4. | That the unit will comply with the all the Rules/ Regulations/ Acts/ Notification issued by CPCB/ HSPCB and MOEF&CC. | Yes |
| 5. | In case, any violations is found at any stage, then this CTO, so granted, shall be revoked without giving show cause notice. | - |
| 6. | That the unit will not operate the unit in absence of OCEMS at second ETP and will install flow meter with totalizer at ETP Inlet of Both and (will maintain the data for the same) before crushing season, 2021. | Unit provided OCEMS at stack and ETP (old & New) |
| 7. | That the unit will run and maintain the ETP-1, ETP-2 & ESP. | Yes |
| 8. | That the unit will run and maintain the OCEMS provided under Water & Air. | Yes |
| 9. | That unit will established the laboratory at ETP before crushing seasons, 2021. | Yes |
| 10. | That the unit will maintain the logbook of treated effluent from both ETP. | Yes |
| 11. | That the unit will installed piezometer as per CPCB norms in the factory premises. | Yes |
| 12. | That the unit will maintain all the flow meter and get it calibrated from time to time & maintain the separate record for water consumption for domestic & industrial purpose. | Yes |
| 13. | That the unit will construct the RCC impermeable tank for the storage of treated water from the Both ETP plant before crushing seasons, 2021 and will maintain logbook for the same | Yes |
| 14. | That the unit will not store the treated water from Both the ETP plant in the Kachha lagoons and will store the same in the Pucca pits. | No Kaccha lagoon in the unit |
| 15. | The unit will comply-with all the shortcomings which resulted in the closure of the unit before the crushing season, 2021. | Yes Comply |

Dr. Davender Singh
SUIB HSPCB KUR



Report No- 4192

Form J

(See Rule 36)



TC-11969

Dated: 17.01.2024

Type of Sample: Legal

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Tubewell (Pump-01), Near Work Shop, The Shahabad Co.OP Sugar Mill, Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 6111 | |
| 2. | Sample Collected from | Tubewell | |
| 3. | pH value at 25 ^o C | 6.87 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | 2.8 | IS:3025(Part-44) |
| 6. | COD (mg/l) | 16.0 | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 1129.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 612.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 54.97 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 508.0 | - |
| 11. | Calcium (mg/l) as Ca | 127.2 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 46.17 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 474.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January,2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula

CC to Regional Office: Kurushetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala

Board Analyst



Form J

(See Rule 36)

Report No- 4192

Type of Sample: Legal

Dated: 17.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Tubewell (Pump-01), Near Work Shop, The Shahabad Co.OP Sugar Mill. Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Clear | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 237.35 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.46 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.9 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.7 | APPHA, 3520-K-B |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January,2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula

CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst

End of the Report



Report No- 4193

Form J

(See Rule 36)



Dated: 17.01.2024

Type of Sample: Legal

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Tubewell (Pump-02), Near Boiler, The Shahabad Co.OP Sugar Mill. Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| Sr. No. | Parameter Name | Result | Methods |
|---------|--|-------------|--|
| 1. | Sample Code | 6112 | |
| 2. | Sample Collected from | Tubewell | |
| 3. | pH value at 25°C | 7.18 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | 1.6 | IS:3025(Part-44) |
| 6. | COD (mg/l) | 16.0 | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 644.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 370.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 18.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 218.0 | - |
| 11. | Calcium (mg/l) as Ca | 22.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 39.366 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 326.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January,2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: **Kurushetra**. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst



Form J

(See Rule 36)

Report No- 4193

Type of Sample: Legal

Dated: 17.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Tubewell (Pump-02), Near Boiler, The Shahabad Co.OP Sugar Mill. Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| Sr. No. | Parameter Name | Result | Methods |
|---------|------------------------|-------------|----------------------|
| 1. | Color | Clear | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 82.98 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.21 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.4 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.6 | APPHA, 3520-K-B |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January, 2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st & 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula

CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst

End of the Report

325
Form IV

(See Rule 20)

Report No- 1119

Dated: 12.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (2) of section 29 of the Air (Prevention and Control of Pollution) Act 1981 received a sample on the 09th January of, 2024, collected by Dr. Devender Singh, Sc.B on the 08th January of, 2024, of M/s The Shahbad Co.op, Sugar Mill, (Ethanol Plant) Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th day January of, 2023, to 12th -January-2024 and declare the result of analysis to be as follows:-

| Sr. | Parameter Name | Result | Limit |
|-----|--|------------------|-------|
| 1. | Sample Code | 1119 | |
| 2. | Name of Plant/ Section # | Boiler (Ethanol) | |
| 3. | Stack Attached to # | Boiler (Ethanol) | |
| 4. | Normal Operating Schedule (hr/day)# | 24 hrs | |
| 5. | Type of Chimney # | ACC | |
| 6. | Stack Temperature (^o C) # | 140 | |
| 7. | Average stack velocity (m/sec) # | 7.0 | |
| 8. | Stack Height from Ground Level # | 55 m | |
| 9. | Diameter of the Stack # | 2.3 m | |
| 10. | Quantity of Emission (m ³ /sec) | 29.0 | |
| 11. | Type of Fuel # | Bagasses | |
| 12. | Suspended particulate matter (mg/m3) | 11.0 | 150 |

Method of Testing As per relevant part of Indian Standard Methods for Measurement of Air Pollution IS:11255 (P-1) Stack/IS:5182(P-4) Ambient and Emission regulation part III of Central Pollution Control Board.

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 12.01.2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana
To

The Member Secretary, HSPCB, Panchkula

Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

This information is provided by the field officer.

End of the Report

Neeraj Bala
Board Analyst

| Point wise compliance of the conditions of the Environment Clearance of M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra | |
|---|----------------------------------|
| i) Distillery unit shall be based on molasses based only and no grain based distillery unit shall be operated. | Molasses Based |
| ii) As proposed, ESP shall be provided to the bagasse fired boiler to control particulate emissions within permissible limit. The gaseous emissions should be dispersed through stack of adequate height as per CPCB/SPCB guidelines. Online monitoring (24x7) system to be installed and data to be uploaded on the Company's website and provided to respective Regional Office of MEF&CC, SPCB and CPCB. | ESP as Apcm |
| iii) In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by Haryana State Pollution Control Board (HSPCB). | Yes Provided |
| iv) Company shall follow good management practices viz. collection of waste yeast sludge from fermentation section in a closed system and proper disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying spent wash to the treatment units; minimization of fugitive emissions from anaerobic treatment; proper collection & handling of excess sludge generated from the anaerobic & aerobic treatment units; minimum retention of treated & untreated spent wash in the lagoons; effective composting of the spent wash by controlled effluent spraying through mechanical system to avoid spillages & over application, blending of sludge in correct proportion with press mud; and properly finished compost and green belt development with suitable plantation in and around the treatment units to mitigate odour from the distillery unit. | Yes |
| v) Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions. | Pucca Road Provided |
| vi) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. | As per norm Acoustic Enclosed |
| vii) The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update | Yes updated on HSPCB & |

| | |
|---|--|
| <p>the same periodically. It shall simultaneously be sent to the Regional office of MEF&CC, the respective Zonal office of CPCB and the SPCB. The levels of PM₁₀, PM_{2.5}, SO₂, NO_x, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.</p> | CPCB Portal |
| <p>viii) Total fresh water requirement from ground water will be 600 m³/day for distillery (Molasses) as well as CPP. Effort shall be made to use recycled water from sugar and condensate of MEE for the co-generation power unit.</p> | Installed ETP cum RO for treatment & Reuse after treatment |
| <p>ix) Spent wash generation from molasses based distillery shall not exceed 8 K/KI of alcohol. The spent wash from molasses based distillery will be evaporated in MEE and concentrated spent wash will be incinerated in the incineration boiler to achieve 'Zero' discharge. Effluent from spentlees, utilities effluent and evaporator Condensate shall be treated in effluent treatment plant and recycled/reused in process.</p> | ZLD Based |
| <p>x) Automatic /online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and CPCB and in the Company's website.</p> | Yes Provided |
| <p>xi) As proposed, no effluent from sugar, distillery and co-generation power plant shall be discharged outside the premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.</p> | No effluent discharge from the unit outside premises |
| <p>xii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.</p> | No mixing of storm water with wastewater |
| <p>xiii) Spent wash shall be stored in impervious RCC lagoons with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. The storage of spent wash shall not exceed 5 days capacity.</p> | No Kaccha lagoon present. |
| <p>xiv) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Chandigarh and SPCB.</p> | Yes Provided |
| <p>xv) Baggase storage should be done in such a way that it does not get air borne or fly around due to wind. boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided.</p> | Yes |
| <p>xvi) Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.</p> | Bagasse use as fuel in boiler and has agreement for Ash dis pose |
| <p>xvii) Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.</p> | Yes Provided |
| <p>xviii) Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bhopal within six months.</p> | Yes |



| | |
|--|-------------------------------------|
| <p>xix) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.</p> | <p>Yes conducted</p> |
| <p>xx) Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.</p> | <p>Yes Provided</p> |
| <p>xxi) As proposed, green belt over 33% of land shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.</p> | <p>Yes</p> |
| <p>xxii) All the commitments made during the Public Hearing / Public Consultation meeting held on 19th May, 2015 should be satisfactorily implemented and adequate budget provision should be made accordingly.</p> | <p>Yes</p> |
| <p>xxiii) At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.</p> | <p>Yes</p> |
| <p>xxiv) The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.</p> | <p>Yes</p> |
| <p>xxv) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.</p> | <p>Yes house provided to labour</p> |
| <p>B. GENERAL CONDITIONS:</p> | |
| <p>i. The project authorities must strictly adhere to the stipulations made by the Haryana State Pollution Control Board (HSPCB), State Government and any other statutory authority.</p> | <p>Yes</p> |
| <p>ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p> | <p>No expansion</p> |
| <p>iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the HSPCB and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.</p> | <p>Yes</p> |



Distillery Manager
60 KLPD Ethanol Plant
The Shahabad Co-op, Sugar Mills Ltd.
Shahabad (M.), Distt. Kurukshetra

| | |
|---|--|
| iv. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). | Yes following the norms |
| v. The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water. | Yes |
| vi. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains. | no Avoid spillage observed |
| vii. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured. | Yes |
| viii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted. | Training given to employees |
| ix. The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented. | Provided |
| x. The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area. | Yes |
| xi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. | Yes |
| xii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. | Yes Provided |
| xiii. The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose. | Yes |
| xiv. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParasad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal. | Yes |
| xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MEF&CC, the respective Zonal Office of CPCB and the State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company. | Yes |
| xvi. The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance | Substantiated Complying. |


 Distillery Manager
 60 KLPD Ethanol Plant
 The Shahabad Co-op, Sugar Mills Ltd.
 Shahabad (M.), Distt. Kurukshetra

| | |
|--|-----|
| <p>conditions and shall also be sent to the Chandigarh Regional Offices of MEF&CC by e-mail.</p> | |
| <p>xvii. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p> | Yes |
| <p>xviii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p> | Yes |

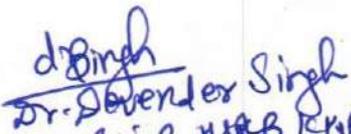

 Distillery Manager
 60 KLPD Ethanol Plant
 The Shahabad Co-op, Sugar Mills Ltd.
 Shahabad (M.), Distt. Kurukshetra


 Dr. Devender Singh
 SCI-BHSPCB KUR.

Compliance of conditions of Consent to Operate of M/s The Shahabad Cooperative Sugar Mill (Ethanol Plant), Shahabad-Markanda, Kurukshetra.

| Sr. No. | Conditions of Consent to Operate | Compliance Status |
|---------|--|---|
| 1. | That unit will not discharge any kind of treated trade effluent and reuse 100 % treated effluent again into the manufacturing process. | Unit use the treated water in Boiler & Unit is based on ZLD |
| 2. | That the unit will run and maintain the ETP & APCM efficiently and regularly. | Yes |
| 3. | That the unit will run and maintain the PTZ camera installed at inlet & outlet of ETP efficiently and regularly and also ensure its connectivity to the server of the Board. | Yes Installed |
| 4. | That the unit will install the online monitoring device on the stack and its connectivity to the server of HSPCB as well as CPCB | Yes |
| 5. | The unit will maintain the logbook for ETP & APCM regularly | Yes |
| 6. | That the unit will obtain all the necessary permissions / PLI from the concerned departments, if applicable. | Yes |
| 7. | That the unit will submit the six-monthly compliance report of environment clearance conditions to the Board. | Yes |
| 8. | That the unit will dispose of the used oil/ spent oil through registered recycler by HSPCB. | Yes |
| 9. | That the unit will apply for renewal of consent to operate before 90 days from the expiry of this CTO. | CTO valid upto 30.09.2024 |
| 10. | That the unit will comply the order/ direction issued by the Hon'ble Supreme Court of India, Punjab & Haryana High Court, NGT, Environment Court or any other court. | Yes |
| 11. | That the unit will comply with the all the Rules/ Regulations/ Acts/ Notification issued by CPCB/ HSPCB and MOEF&CC. | Yes |
| 12. | That the unit will submit the analysis report of ETP & APCM & noise report of DG set within three months. | Yes |
| 13. | In case, any violations is found at any stage, then this CTO, so granted, shall be revoked without giving show cause notice | — |
| 14. | That the unit will apply separate application for authorization under HWOM Rules, 2016. | Yes |
| 15. | Unit will deposit balance fees, if found due, at any stage in future. | Yes |


 Distillery Manager
 60 KLPD Ethanol Plant
 The Shahabad Co-op, Sugar Mills Ltd.
 Shahabad (M.), Distt. Kurukshetra


 Dr. Debender Singh
 84-B NAB RMR

332



Regional office,
Haryana State Pollution Control Board

SCO 13-P 2nd Floor Sector 17, Kurukshetra.
Email-hspcbrokr@gmail.com

Annexure-A

SPOT INSPECTION REPORT OF THE INDUSTRIESA General Information of unit

1. Name & Address of the unit
2. Email id of the unit/occupier
3. Telephone Nos.
4. Fax Nos.
5. Date & Time of Inspection
6. Category of Unit
7. Type of Units
8. Size of unit based upon Investment cost of Plant & Machinery
9. Name of the representative of the unit with designation present at the time of the inspection.
10. Name of the Directors/partners/Proprietor/ Manager/Occupier etc.
11. Detail of products/by product manufactured (with capacity of installation & quantity per annum)
12. Detail of Raw Material used (with quantity per annum)
13. Manufacturing Process (In brief)
14. Detail of Machinery installed involving polluting process
15. Date of Commissioning of the unit
16. Status of Consent to Establish
17. Status of Consent to Operate
18. Status of Authorization under HWM Rules.

m/s Shahabad Coop Sugar mill
(Ethanol Plant) Vill. Jandheri
Ladwa Road Shahabad KKR

: scsmsbd1@gmail.com

: 9991620516

: 08.01.2023

: Red/Orange/Green

: Category/Seriously
Polluting /others

: Large/ Medium/ Small

: Dr. R.K. Sharoha

: Sh. Rajiv Prashad

: Ethanol

: molasses

: fermentation, distillation,

: Ethanol & CO₂

: 2021

: obtained

: Obtained upto 30.09.2024

: upto 30.09.2024

B Air Pollution

1. Sources of air emissions from process of unit including fugitive emissions with type of Boilers/Furness, capacity & stack height.
2. Status of online monitoring System (Stacks/ AAQ): if applicable
3. Details about deviation in the details/ stack of Air emission/ type of fuel if any already provided to Board.

: Boiler Stack 20TPH

: Stack online

: No Deviation.

Distillery Manager
60 KLPD Ethanol Plant
The Shahabad Co-op, Sugar Mills Ltd.
Shahabad (N.), Distt. Kurukshetra

- 4. Detail of Stacks/ Chimneys/ Vents : 01
- 5. Whether Height of all stacks/ Chimneys as per norms : AS per norm
- 6. Capacity of D.G. Sets : 1010 KVA
- 7. Stack height of D.G. Sets above programme and whether as per norms : AS per norm
- 8. Status of Acoustic Enclosure on D. G. Sets : Yes
- 9. Noise results of DG Sets Monitored during inspection : NO
- 10. Type & Quantity of Fuel used (Separate for each source) : Diesel
- 11. Status of Air Pollution Control Devices (APCD) : Required
 - (a) Required or Not : Provided
 - (b) Provided or Not : ESP (4stage)
 - (c) Detail of APCD provided with detail of all Components : Yes
 - (d) Whether Structurally adequate or Not : Sample collected
 - (e) Whether operating APCD Satisfactorily : NA
- 12. Whether provided separate flow meters in case of wet scrubber : Yes
- 13. Whether maintained Log Book for consumption of Electricity/ Chemicals/ water for APCD. : NA
- 14. Detail of treatment of effluent in case of wet scrubber & its mode of disposal. : Provided
- 15. Whether provided Sampling arrangements on all stacks /chemneys including DG Sets.
- 16. General Remarks
- C Water Consumption**
 - 1. Sources of water supply : Borewell
 - 2. Detail of measuring devices provided if any such as flow Meters, V- notch etc. : Yes
 - 3. Whether measuring devices has been sealed : Yes
 - 4. Whether maintained the log book for supply of water from all sources & consumption for various uses. : Yes
 - 5. Detail of Water Consumption per day/ month
 - (a) Domestic Purpose : 41kLD
 - (b) Boiler / Cooling : nil
 - (c) Industrial use (Easily Biodegradable) : 590kLD
 - (d) Industrial use (Not Easily Biodegradable) : nil
 - (e) Other
 - 6. General Remarks
- D Water Pollution**
 - 1. Source & processes of Water Pollution including raw water treatment if any : unit has provided ETP cum RO for treatment of TE/DE


 Director
 The Shanabad Co. op. Sugar Mills Ltd.
 Shahabad (M.), Distt. Karukneta

2. No. of outlets for discharge of effluent
 3. Quality of Effluent in KLD
 4. Status of Effluent Treatment Plant (ETP)/ Sewage Treatment Plant (STP)
 - (a) Required or Not
 - (b) Installed or Not
 - (c) Detail of STP/ETP Provided (if required) with detail of all components and technology used
 - (d) Whether structurally adequate or not
 - (e) Whether operating STP/ETP Satisfactorily
 - (f) Whether provided online chemical dosing system/ pH meter
 5. Mode of Discharge of effluent
 6. Name of Water recipient body if any
 7. Detail of land in case effluent is discharged for percolation/ irrigation purpose with justification for its 100% utilization.
 8. Status of ZLD as per CPCB directions if applicable :
 9. Whether provided flow meters on outlet & Inlet of ETP/STP
 10. Whether provided separate electricity meter on ETP/STP
 11. Whether maintained Log Book for consumption of Electricity/ Chemicals/Quantity of effluent.
 12. Status of online monitoring System, if applicable
 13. General Remarks
- E. Hazardous Waste Management**
1. Category of Hazardous Waste generated as per rules
 2. Type & Qty. of Hazardous Waste generated
 3. Stock-Pile Quantity of Hazardous Waste
 4. Mode of Disposal & treatment of Haz. Waste
 5. Size of Hazardous waste storage site
 6. Display Board for Hazardous Waste at Factory Gate Provided or not
 7. Whether agreement made with the service provider

Domestic: 01
 Trade: 01
 Domestic: 4KLD
 Trade: 590KLD

STP (ETP)
 Required
 Provided
 04 G Trap, Equalization tank, Buffer tank, Aeration tank Secondary Clarifier, ultra filtration RO-I, II
 MEE
 Yes

Domestic: Septic tanks
 Trade: Recycle in the manufacturing Process.

NA
 NA

- Yes (ZLD) & installed
 PTZ Camera.

Yes

Yes

Yes

Yes

used oil

- (i) incinerable
- (ii) recyclable
- (iii) disposable for landfill
- (iv) Total

-
 Sent to Recycler

Drum

Yes

Yes

Distillery Manager
 60 KLPD Ethanol Plant
 The Shahabad Co-op, Sugar Mills Ltd.
 Shahabad (M), Distt. Kurukshetra

for disposal of hazardous waste (if yes, give detail with validity

8: Details of Hazardous Waste transported to service provider

Service Provider

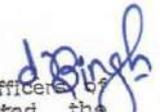
F Hazardous Chemicals Handling & Management and PLI Act, 1991

1. List & Qty. of Hazardous chemical handled & used: (if any) with threshold quantity
2. Whether prepared on site emergency plan and taken Insurance policy under PLI Act, 1991.
3. Name of insurer agency with date & validity of policy
4. Whether Hazardous chemicals handling & storage: facility is adequate
5. Remarks

} NA

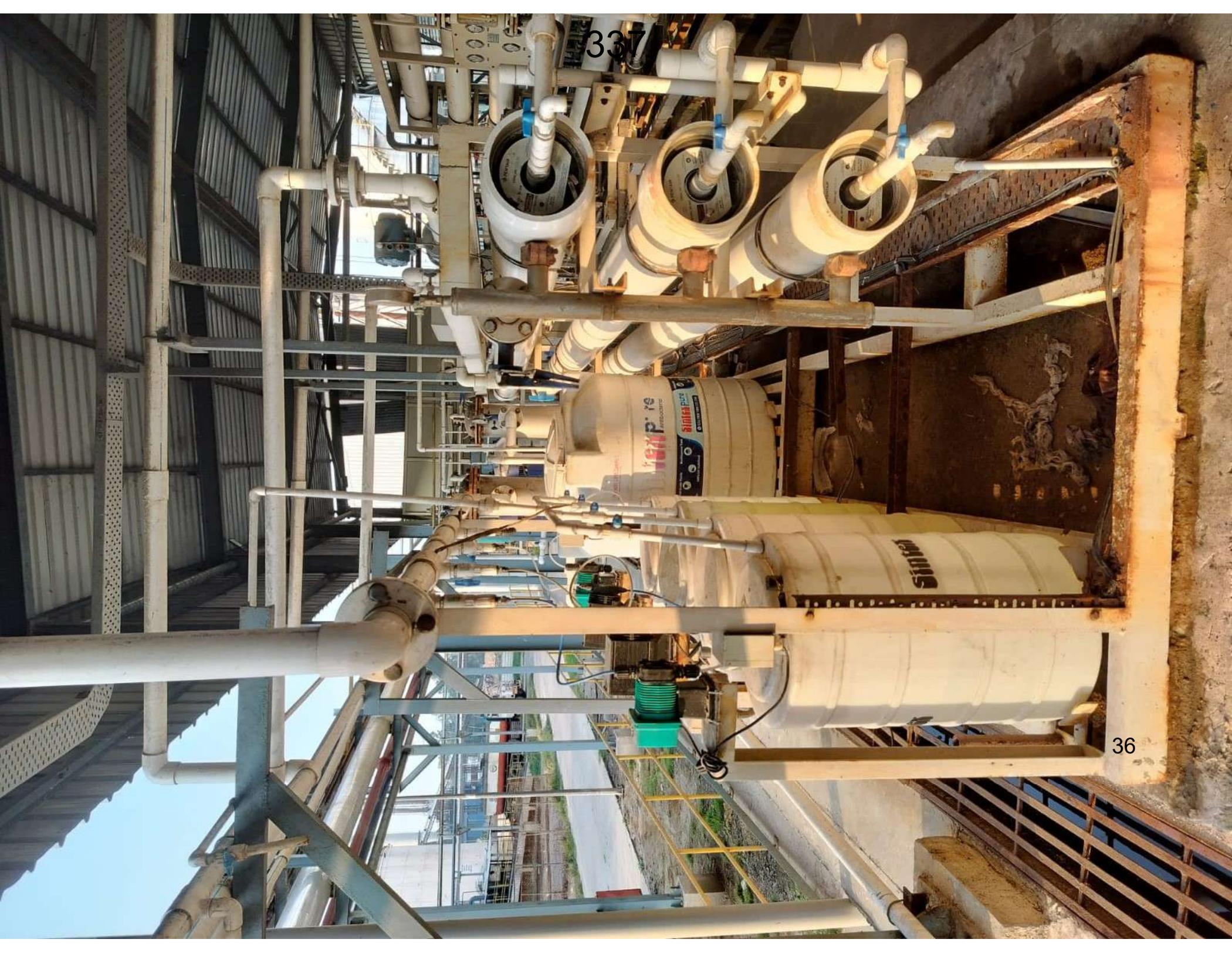
The said unit is a Ethanol Plant in Shahabad. The unit obtained CTO from Board and valid upto 30.09-2024. The said unit installed 20TPH Boiler and Baggass used as fuel in Boiler. Unit installed ETP cum RO for the treatment of trade effluent and again used in Boiler - Recirculate the treated water. Unit has agreement for Ash disposal from the unit.


 Signature of the representative of the unit
 60 KLPD Ethanol Plant
 The Shahabad Co-op, Sugar Mills Ltd.
 Shahabad (M.), Distt. Kurukshetra


 Signature of the Officer/Officers of the Board who conducted the inspection
 Name & Designation Dr. Devender Singh



यहाँ पर एथेनॉल बनता है
इसको पीना हानिकारक है
इससे मृत्यु हो सकती है।



337







341

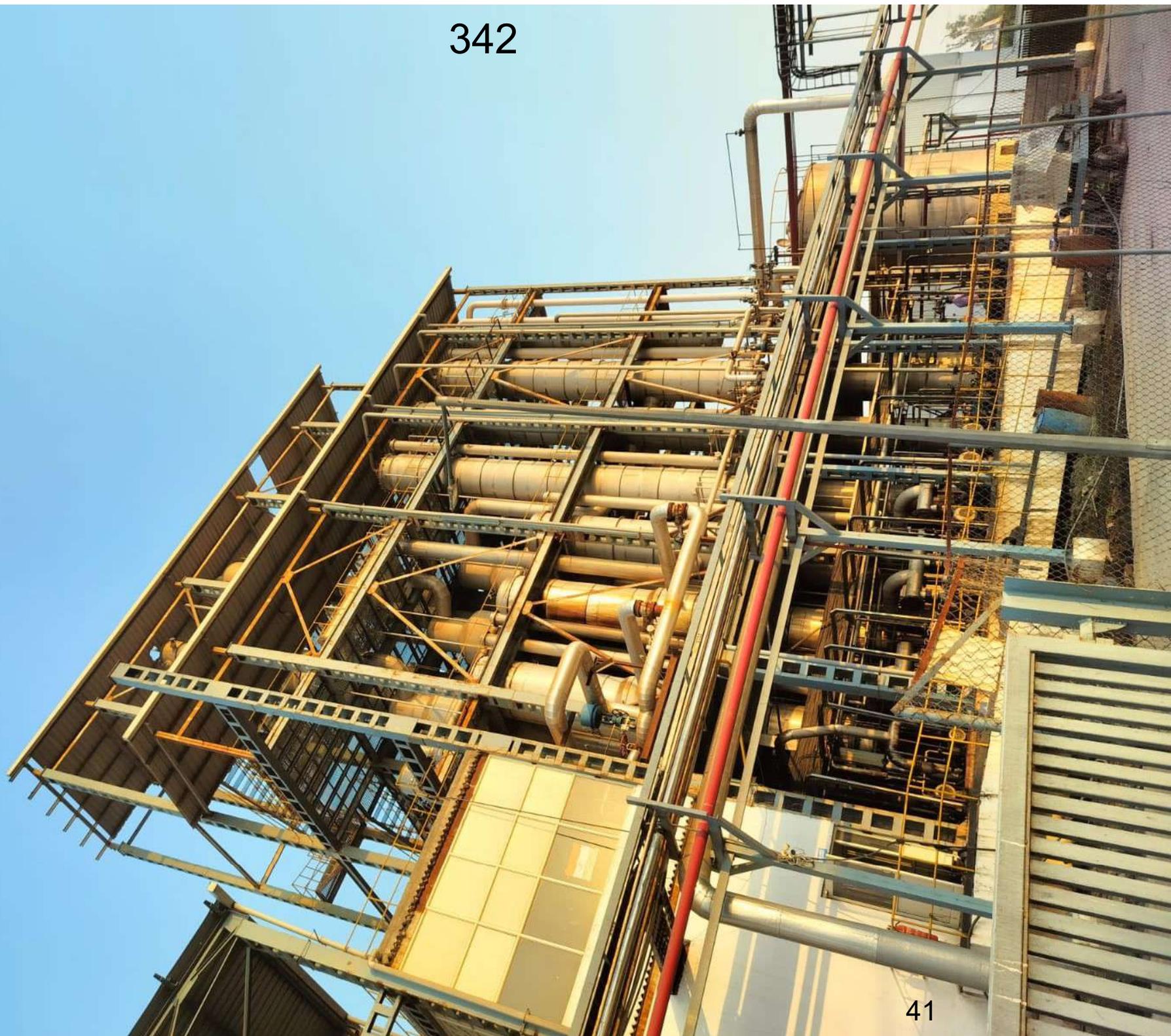


GPS Map Camera



Shahbad, Haryana, India
4VXV+HFW, Shahbad, Haryana 136135, India
Lat 30.150192°
Long 76.895148°
08/01/24 04:06 PM GMT +05:30

342





Report No- 4191

Form J

(See Rule 36)



Dated: 17.01.2024

Type of Sample: Legal

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Borewell (Water Pump), Backside of Boiler(Ethanol Plant), The Shahabad Co.OP Sugar Mill. Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| Sr. No. | Parameter Name | Result | Methods |
|---------|--|-------------|--|
| 1. | Sample Code | 6110 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.26 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 525.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 302.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 13.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 164.0 | - |
| 11. | Calcium (mg/l) as Ca | 39.2 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 16.038 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 314.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January,2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurushetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst



Form J

(See Rule 36)

Report No- 4191

Type of Sample: Legal

Dated: 17.01.2024

I hereby, certify that I Neeraj Bala Board Analyst duly appointed under sub section (3) of section 53 of the Water (Prevention and Control of Pollution) Act 1974 (06 of 1974), received a sample on the 09th day of January, 2024, collected by Dr. Devender Singh, Sc.B dated 08th day of January, 2024 of M/s Borewell (Water Pump), Backside of Boiler(Ethanol Plant), The Shahabad Co.OP Sugar Mill. Vill. Jandheri, Ladwa Road, Shahabad, Kurukshetra for analysis.

Further certify that I have analyzed the above mentioned sample on 09th -January-2024 to 17th -January-2024 and declare the result of analysis to be as follows:

| Sr. No. | Parameter Name | Result | Methods |
|---------|------------------------|-------------|----------------------|
| 1. | Color | Clear | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 39.87 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.15 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.0 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.6 | APPHA, 3520-K-B |

The Conditions of the seals, listening and container on receipt was as follows:

Container had its seal found intact and in order, slip on the container had the signature of the representative of the industry and the Board.

Signed this 17th day of January,2024

Haryana State Pollution Control Board Laboratory,
SCO-115, 1st& 2nd Floor, Sector-25, Panchkula, Haryana

To

The Member Secretary, HSPCB, Panchkula
CC to Regional Office: Kurukshetra. This test report relate only to the particular sample submitted for testing.

Neeraj Bala
Board Analyst

End of the Report



Type of Sample:-**Monitoring**
Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4005

Dated : 29.12.2023

Issued to M/s Ground Water Sample of HUDA, Sector-1, Pump House-1, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5809 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.76 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 564.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 302.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 14.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 228.0 | - |
| 11. | Calcium (mg/l) as Ca | 66.8 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 14.823 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 320.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB
 CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

JSA
Megha

JSA
Manjali

Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
 Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4005

Dated : 29.12.2023

Issued to M/s Ground Water Sample of HUDA, Sector-1, Pump House-1, Shahabad, Kurukshetra.

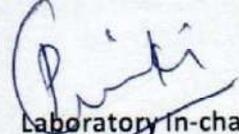
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 20.12 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.12 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.0 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.6 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4006

Dated : 29.12.2023

Issued to M/s Ground Water Sample of HUDA, Part-II, Sector-1, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| Sr. No. | Parameter Name | Result | Methods |
|---------|--|-------------|--|
| 1. | Sample Code | 5810 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.42 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 594.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 348.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 14.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 148.0 | - |
| 11. | Calcium (mg/l) as Ca | 42.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 10.206 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 228.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

JSA
Megha

JSA
Manjali

Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-**Monitoring**
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4006

Dated : 29.12.2023

Issued to M/s Ground Water Sample of HUDA, Part-II, Sector-1, Shahabad, Kurukshetra.

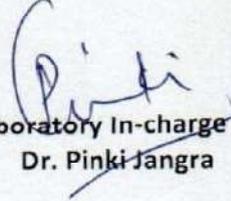
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 12.83 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.15 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.7 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.4 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4007

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House 1, Vill. Deeg, Shahabad, Kurukshetra.

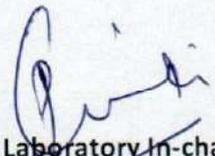
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|---|---------------|--|
| 1. | Sample Code | 5811 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.72 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (μ S/cm) at 25 ^o C | 557.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 298.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 18.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 332.0 | - |
| 11. | Calcium (mg/l) as Ca | 94.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 23.328 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 296.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-**Monitoring**
Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4007

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House 1, Vill. Deeg, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 17.83 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.11 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.7 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.8 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4008

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House- 2, Vill. Deeg, Shahabad, Kurukshetra.

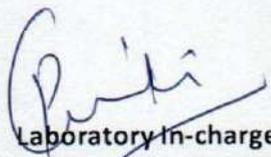
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5812 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.56 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 575.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 334.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 17.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 296.0 | - |
| 11. | Calcium (mg/l) as Ca | 84.8 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 20.412 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 270.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4008

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House- 2, Vill. Deeg, Shahabad, Kurukshetra.

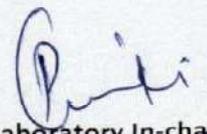
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 15.97 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.12 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.1 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.5 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4009

Dated : 29.12.2023

Issued to M/s Ground Water Sample Near Samshan Ghat, Pump House-1, Vill. Yari, Shahabad, Kurukshetra.

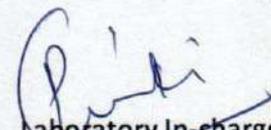
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5813 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.56 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 610.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 327.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 72.97 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 150.0 | - |
| 11. | Calcium (mg/l) as Ca | 44.0 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 9.72 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 596.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4009

Dated : 29.12.2023

Issued to M/s Ground Water Sample Near Samshan Ghat, Pump House-1, Vill. Yari, Shahabad, Kurukshetra.

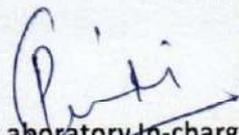
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|--------------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 15.30 | 4500-SO ₄ ,E. |
| 7. | Fluoride(mg/l) | 0.08 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.7 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.5 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4010

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House-1, Vill. Jogi Majra, Shahabad, Kurukshetra.

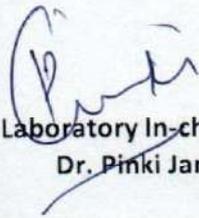
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5814 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25°C | 7.84 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 577.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 338.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 17.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 190.0 | - |
| 11. | Calcium (mg/l) as Ca | 54.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 13.122 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 322.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4010

Dated : 29.12.2023

Issued to M/s Ground Water Sample Pump House-1, Vill. Jogi Majra, Shahabad, Kurukshetra.

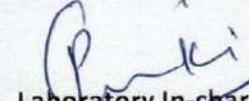
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 16.24 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.09 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.6 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.7 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4011

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Sample near Govt. School, Janderi, Shahabad, Kurukshetra.

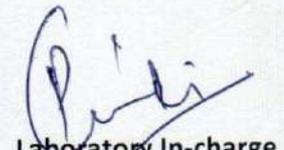
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5815 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ⁰ C | 7.90 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ⁰ C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ⁰ C | 586.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 314.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 11.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 128.0 | - |
| 11. | Calcium (mg/l) as Ca | 38.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 7.776 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 246.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
 Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4011

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Sample near Govt. School, Janderi, Shahabad, Kurukshetra.

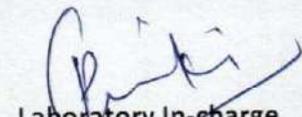
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 14.32 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.15 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.5 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.4 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4012

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Sample near Govt. School, Vill. Janderi, Shahabad, Kurukshetra. (002)

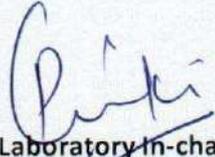
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5816 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.32 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 540.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 316.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 174.94 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 422.0 | - |
| 11. | Calcium (mg/l) as Ca | 118.8 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 30.375 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 380.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4012

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Sample near Govt. School, Vill. Janderi, Shahabad, Kurukshetra. (002)

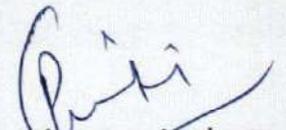
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 13.58 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.16 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 4.0 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.9 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


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Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4013

Dated : 29.12.2023

Issued to M/s Ground Water Sample, from Pump Vill. Chhapra , Kurukshetra.

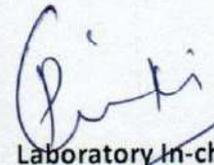
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| Sr. No. | Parameter Name | Result | Methods |
|---------|---------------------------------|-------------|--|
| 1. | Sample Code | 5817 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25°C | 7.91 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 456.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 242.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 14.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 130.0 | - |
| 11. | Calcium (mg/l) as Ca | 38.0 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 8.505 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 228.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


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Manjali


Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4013

Dated : 29.12.2023

Issued to M/s Ground Water Sample, from Pump Vill. Chhapra , Kurukshetra.

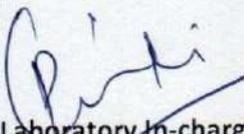
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 13.42 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.08 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.6 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.5 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


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Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4014

Dated : 29.12.2023

Issued to M/s Ground Water Sample, from Pump Vill. Chhapri, Kurukshetra.

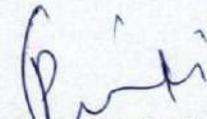
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5818 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.80 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 557.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 326.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 22.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 324.0 | - |
| 11. | Calcium (mg/l) as Ca | 91.6 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 23.085 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 368.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-**Monitoring**
Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4014

Dated : 29.12.2023

Issued to M/s Ground Water Sample, from Pump Vill. Chhapri, Kurukshetra.

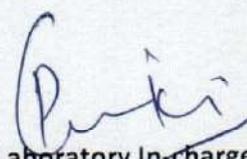
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 19.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 26.17 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.19 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.8 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.7 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4015

Dated : 29.12.2023

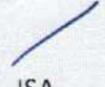
Issued to M/s Ground Water Sample, Near pump house -1, Goga Meddi, Dangli, Shahabad, Kurukshetra.

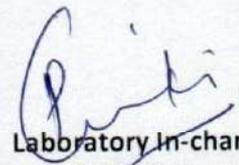
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|---------------------------------|---------------|--|
| 1. | Sample Code | 5819 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25°C | 7.86 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 504.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 294.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 13.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 208.0 | - |
| 11. | Calcium (mg/l) as Ca | 59.6 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 14.337 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 292.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


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Manjali


Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4015

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -1, Goga Meddi, Dangli, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 20.61 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.21 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.6 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.3 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


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Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4016

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -2, Near Shamshan Ghat, Dangli, Shahabad , Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5820 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25°C | 7.88 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 552.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 322.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 11.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 176.0 | - |
| 11. | Calcium (mg/l) as Ca | 51.2 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 11.664 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 300.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

JSA
Megha

JSA
Manjali

Laboratory In-charge
Dr. Pinki Jaagra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4016

Dated : 29.12.2023

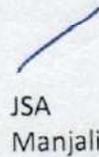
Issued to M/s Ground Water Sample, Near pump house -2, Near Shamshan Ghat, Dangli, Shahabad , Kurukshetra.

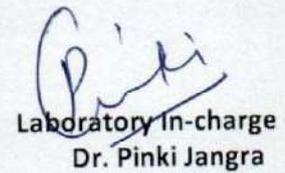
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 11.48 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.24 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.0 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.5 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


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Manjali


Laboratory In-charge
Dr. Pinki Jangra

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4017

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -3, New Colony, Dangli, Shahabad, Kurukshetra.

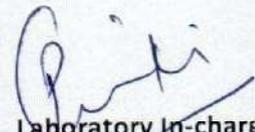
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5821 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25°C | 7.84 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27°C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25°C | 550.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 294.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 10.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 296.0 | - |
| 11. | Calcium (mg/l) as Ca | 85.2 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 20.169 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 320.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


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Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4017

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -3, New Colony, Dangli, Shahabad, Kurukshetra.

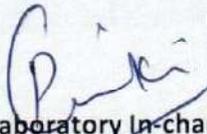
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 12.67 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.19 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.2 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.7 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB


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Manjali


Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4018

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -1, Vill,, Yara, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5822 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ⁰ C | 7.80 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ⁰ C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ⁰ C | 500.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 266.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 11.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 262.0 | - |
| 11. | Calcium (mg/l) as Ca | 74.8 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 18.225 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO3(mg/l) | 280.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO3(mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB

JSA
Megha

JSA
Manjali

Laboratory In-charge
Dr. Pinki Jangra

CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.



Type of Sample:-Monitoring
 Haryana State Pollution Control Board's Laboratory
 SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4018

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -1, Vill,, Yara, Shahabad, Kurukshetra.

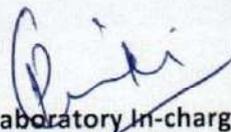
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 13.68 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.10 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 4.0 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.8 | APPHA, 3520-K-B |

Sample Not Collected by us
 Sample Consumed in testing
 CC to Member Secretary, HSPCB
 CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


 JSA
 Megha


 JSA
 Manjali


 Laboratory In-charge
 Dr. Pinki Jangra

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4019

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -3, Near Govt. School, Vill,, Yara, Shahabad, Kurukshetra.

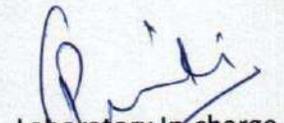
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5823 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.75 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 470.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 274.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 11.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 234.0 | - |
| 11. | Calcium (mg/l) as Ca | 66.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 16.524 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 270.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st& 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4019

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -3, Near Govt. School, Vill., Yara, Shahabad, Kurukshetra.

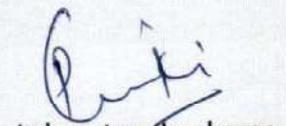
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|------------------------|---------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 14.29 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.16 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 3.9 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.8 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

End of the Report



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana



Report No. 4020

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -2, Shamshan Ghat, Vill,, Yara, Shahabad, Kurukshetra.

Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| <u>Sr. No.</u> | <u>Parameter Name</u> | <u>Result</u> | <u>Methods</u> |
|----------------|--|---------------|--|
| 1. | Sample Code | 5824 | |
| 2. | Sample Collected from | Borewell | |
| 3. | pH value at 25 ^o C | 7.86 | APHA,4500H+B(24 th Edition) |
| 4. | Total Suspended Solids mg/l | BDL(DL=05) | APHA,2540-D(24 th Edition) |
| 5. | BOD (3 days at 27 ^o C) mg/l | BDL(DL=01) | IS:3025(Part-44) |
| 6. | COD (mg/l) | BDL(DL=05) | APHA,5220-B(24 th Edition) |
| 7. | Conductivity (u S/cm) at 25 ^o C | 447.0 | IS:3025(Part-14):2013 |
| 8. | Total Dissolved Solid (mg/l) | 260.0 | APHA2540-C(24 th Edition) |
| 9. | Chloride (mg/l) | 11.99 | IS:3025(part-40):2014 |
| 10. | Total Hardness (mg/l) | 168.0 | - |
| 11. | Calcium (mg/l) as Ca | 48.4 | IS:3025(Part-40)2014 |
| 12. | Magnesium (mg/l) as Mg | 11.421 | IS:3025(Part-46)2014 |
| 13. | Total Alkalinity as CaCO ₃ (mg/l) | 242.0 | Electrometric |
| 14. | P-Alkalinity as OH+CO ₃ (mg/l) | BDL(DL=0.5) | Visual Titration |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.

JSA
Megha

JSA
Manjali

Laboratory In-charge
Dr. Pinki Jangra



Type of Sample:-Monitoring
Haryana State Pollution Control Board's Laboratory
SCO-115, 1st & 2nd Floor, Sec-25, Panchkula, Haryana

Report No. 4020

Dated : 29.12.2023

Issued to M/s Ground Water Sample, Near pump house -2, Shamshan Ghat, Vill,, Yara, Shahabad, Kurukshetra.

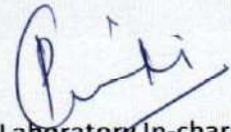
Description: Received on 20.12.2023 a sample of borewell collected by Dr. Devender Singh, Sc.B from Ground Water of the borewell on 20.12.2023. The sample has been analyzed from 20th -December-2023 to 29th -December-2023.

| Sr. No. | Parameter Name | Result | Methods |
|---------|------------------------|-------------|----------------------|
| 1. | Color | Colourless | - |
| 2. | Odour | Odourless | - |
| 3. | Ammonical- N (mg/l) | BDL(DL=0.5) | APHA,4500 NH3 - F |
| 4. | Nitrate – N (mg/l) | BDL(DL=0.5) | PDA |
| 5. | Turbidity NTU | BDL(DL=01) | - |
| 6. | Sulphate(mg/l) | 15.48 | 4500-SO4,E. |
| 7. | Fluoride(mg/l) | 0.12 | IS:3025(Part-60)2013 |
| 8. | Total Phosphate (mg/l) | BDL(DL=0.4) | 4500-P.D. |
| 9. | Sodium (mg/l) | 2.9 | APHA, 3500-Na-B |
| 10. | Potassium (mg/l) | 0.6 | APPHA, 3520-K-B |

Sample Not Collected by us
Sample Consumed in testing
CC to Member Secretary, HSPCB
CC to Regional Office: Kurukshetra. The test report relate only to the particular sample submitted for testing.


JSA
Megha


JSA
Manjali


Laboratory In-charge
Dr. Pinki Jangra

End of the Report

377

From

Civil Surgeon
Kuurkshetra

To

Regional Officer
HSPCB
Kurukshehra

No:- IDSP/KKR/2024/78

Dated:- 19.01.2024

Subject:- Complaint received from villagers regarding chances of spreading diseases due to discharge from Sugar Mill & Ethanol Plant.

In reference to subject cited above, and letter no. HSPCB/KKR/2023/1162 dated 14.12.2023 following are the details of village Jandheri, Tehsil Shahbad, District Kurukshetra.

| Demographic Details | |
|--------------------------|------|
| Total Houses | 511 |
| Males | 1295 |
| Females | 1205 |
| Total Population | 2500 |
| Dera Houses | 26 |
| Males | 73 |
| Females | 67 |
| Total Population in Dera | 140 |
| Cattles Shads | 194 |

| Disease Profile | |
|--|----|
| Cancers | 02 |
| Fever Cases (as per IHIP Portal From Dated 01.10.23 to 18.01.24) | 34 |
| Others (as per IHIP Portal From Dated 01.10.23 to 18.01.24) | 90 |

There are no direct or indirect evidence of any specific disease in the village.

This is for your information and N/A please.

[Signature]
19/1/24
Civil Surgeon
Kuurkshetra

No:- IDSP/KKR/2024/79

Dated:- 19.01.2024

A copy is forwarded to Deputy Commissioner, Kurukshetra for information please.

[Signature]
19/1/24
Civil Surgeon
Kuurkshetra

From

Civil Surgeon
Kurukshetra

To

Regional Officer
HSPCB
Kurukshetra

No:-

IDSP/KKR/2024/78

Dated:- 19.01.2024

Subject:-

Complaint received from villagers regarding chances of spreading diseases due to discharge from Sugar Mill & Ethanol Plant.

In reference to subject cited above, and letter no. HSPCB/KKR/2023/1162 dated 14.12.2023 following are the details of villages near by Jandheri, Shahbad, District Kurukshetra.

| Demographic and Diseases Details | | | | | | | |
|----------------------------------|--------------|------------------|------|--------|---------------------------|-----------------------|-----------------------|
| S/c Name | Village Name | Total Population | Male | Female | Total No. Cancer Patients | Total No. Fever Cases | Total No. Cough Cases |
| Yara | Yara | 4454 | 2321 | 2133 | 5 | 39 | 28 |
| Jandheri | Dhangali | 2081 | 1067 | 1014 | 2 | 34 | 0 |
| | Jogimajra | 632 | 337 | 295 | 1 | | |
| Deeg | Chhapra | 1326 | 679 | 647 | 2 | 22 | 37 |
| | Chhapri | 1171 | 610 | 561 | 1 | | |
| | Deeg | 2871 | 1530 | 1341 | 4 | | |
| | Yari | 1305 | 708 | 597 | 5 | | |
| Total | | 13840 | 7252 | 6588 | 20 | | |

There are no direct or indirect evidence of any specific disease in the village.

This is for your information and N/A please.


Civil Surgeon
Kurukshetra

No:-

IDSP/KKR/2024/79

Dated:- 19.01.2024

A copy is forwarded to Deputy Commissioner, Kurukshetra for information please.


Civil Surgeon
Kurukshetra