

To,

The Registrar,
The National Green Tribunal,
Principal Bench,
New Delhi
E-mail- judicial-ngt@gov.in & ngt.filling@gmail.com

Sub: Compliance report in compliance to order passed by Hon'ble NGT, New Delhi on dated 01.11.2019 in matter of OA No. 925/2019 Ashutosh Tripathi Applicant(s) Versus State of Uttar Pradesh Respondent(s)

Sir,

With reference to the above subject mentioned above, this is to inform you that in compliance to order passed by Hon'ble NGT, New Delhi on dated 01.11.2019 in matter of OA No. 925/2019 Ashutosh Tripathi Applicant(s) Versus State of Uttar Pradesh Respondent(s) the compliance report is submitted for kind perusal and necessary action please.

Yours Sincerely



(Dr. Archana Dwivedi)
Regional Officer
UP Pollution Control Board,
Greater Noida
E-Mail- rogreaternoida@uppcb.com

Copy to:

1. District Magistrate, Gautam Budh Nagar for information.
2. Member Secretary, U.P. Pollution Control Board, Lucknow for information.
3. Shri Pradeep Misra, Advocate, Hon'ble Supreme Court/ NGT, New Delhi for perusal and necessary action please.
4. Chief Law Officer, U.P. Pollution Control Board, Lucknow for information.
5. Chief Environmental Officer, Circle-1, U.P. Pollution Control Board, Lucknow for information.

1
Regional Officer

JOINT INSPECTION REPORT

IN THE MATTER OF

OA No. 925/2019

TITLED

ASHUTOSH TRIPATHI APPLICANT(S)

VS

STATE OF UTTAR PRADESH RESPONDENT(S)

AS PER

HON'BLE NATIONAL GREEN TRIBUNAL

ORDER DATED

01st, NOVEMBER, 2019

SUBJECT: INSPECTION REPORT ON SEWAGE TREATMENT PLANT
INSTALLED AT GROUP HOUSING PROJECT GC-1/ 1ST AVENUE,
AT GAUR CITY, PLOT NO-GH-01, SECTOR -04, GREATER
NOIDA, G.B. NAGAR (U.P),

REFERENCE: IN THE MATTER OF OA NO. 925/2019. TITLED ASHUTOSH
TRIPATHI APPLICANT(S) VERSUS STATE OF UTTAR
PRADESH RESPONDENT(S)

BACKGROUND

The Hon'ble National Green Tribunal vide its order dated 01.11.2019 directed as follows:

"...Grievance in this application is that STP at Avenue Gaur City 1, Gr. Noida West, Uttar Pradesh is not properly functioning. Let the District Magistrate, Gautam Budh Nagar, Noida and the State Pollution Control Board (SPCB) look into the matter, take appropriate action in accordance with law and furnish a factual and action taken report in the matter within one month by e-mail at judicial-ngt@gov.in. The SPCB will be the nodal agency for coordination and compliance..."

COMPLIANCE TO HON'BLE NGT DIRECTIONS

In compliance to Hon'ble Tribunal's directions, District Magistrate, Gautam Budh Nagar constituted a committee of SDM Dadri, G.B. Nagar and Regional Officer, UP Pollution Control Board, Greater Noida on 05-02-2020. The committee inspected the STP installed at Group Housing Project GC-1/ 1ST AVENUE, at GAUR CITY, Plot NO-GH-01, Sector -04, Greater Noida(U.P), on 07.02.2020.

Following persons were present during the inspection-

1. Sh. Rajiv Rai, Sub Divisional Magistrate, Tehseel-Dadri, Gautam Budh Nagar
2. Sh. Praveen Kumar, Environmental Engineer-(Regional Officer in-charge), Uttar Pradesh Pollution Control Board, Greater Noida.
3. Sh. Kishan Singh, Junior Engineer, Uttar Pradesh Pollution Control Board, Greater Noida.
4. Sh. Kumar Sahil Verma, JRF, Uttar Pradesh Pollution Control Board, Greater Noida.

As per the directions of Hon'ble Tribunal, inspection was done to verify that whether installed STP is working properly or not. There is 01 STP installed at Group Housing Project GC-1/ 1ST AVENUE, at GAUR CITY, Plot No-GH-01, Sector -04, Greater Noida, G.B. Nagar (U.P) to treat the domestic waste water, generated by the residents of the society, as per the representative of the society, there are around 1600 flats in the residential complex.

Based on the inspection, following observations are here under:

1. The above project is a Group Housing residential complex, which is a part of the Township project "Gaur City" situated at Plot no- GH-01, Sector-04, Greater Noida and developed by M/s Gaursons Hi-tech Infrastructure Pvt. Ltd.
Group Housing Project, GC-1/ 1ST AVENUE, at GAUR CITY, Plot No-GH-01, Sector -04, Greater Noida, G.B. Nagar has obtained the conditional Consent to Operate (Air & Water) under provisions of the respective Acts, from UP Pollution Control Board and the consent to operate is valid till 31.12.2021.
2. In the project, water is being used in domestic usage, from which domestic effluent is generated and that is being treated through installed STP of capacity 650KLD as per the records of UP PCB. The STP is installed in the Basement area of the project. The project has consent to operate for 442 KLD of discharge of treated domestic effluent.
3. The STP installed in the project is based on MBBR (Moving Bed Bio-Reactor) technology and all desired units of STP were found installed

including primary treatment facility (oil & grease chamber, bar screen & collection cum equalization tanks), secondary treatment facility (Moving Bed Bio-Reactor tanks, settling tanks, buffer tanks, centrifuge dryer), tertiary treatment facility (multi grade filter, activated carbon filter, disinfection unit) during the inspection.

4. During inspection all units were found operational and samples were collected from Inlet (raw sewage) & Outlet (treated effluent) of STP and submitted to the Central Laboratory, UP Pollution Control Board, TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow for analysis. The analysis reports received from Central laboratory with letter no: H48059/central laboratory/ Analysis report dispatch/ 42/2019-20 dated: 19-02-2020 are as follows.

A) Test report of sample collected before STP:- (Annexure-1)

S.No.	Parameter	Results	Detection Range
1	pH	7.49	02-12
2	Suspended solids	112.0 mg/l	10-20000 mg/l
3	Total dissolved Solids	1434.0 mg/l	10-50000 mg/l
4	Total solids	1546.0 mg/l	10-50000 mg/l
5	BOD (Bio Chemical Oxygen Demand)	200.0 mg/l	1.0-50000 mg/l
6	COD (Chemical Oxygen Demand)	498.0 mg/l	5.0-100000 mg/l
7	Oil & Grease	14.4 mg/l	-

B) Test report of sample collected After STP:- (Annexure-2)

S.No.	Parameter	Results	Parameter Standards*
1	pH	7.72	5.5 to 9.0
2	Suspended solids	38.0 mg/l	100.0 mg/l
3	Total dissolved Solids	1092.0 mg/l	-
4	Total solids	1130.0 mg/l	-
5	BOD (Bio Chemical Oxygen Demand)	15.0 mg/l	30 mg/l
6	COD (Chemical Oxygen Demand)	112.0 mg/l	250 mg/l
7	Oil & Grease	4.2 mg/l	10 mg/l

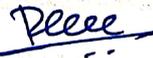
***Parameter Standards:** -General standards for Discharge of Environmental Pollutants are as per Part-A: Effluents (Schedule-VI)

The Environment (Protection) Rules, 1986 Source:
<https://cpcb.nic.in/general-standards/>

Inspection report with observations is presented for your kind perusal and necessary action, please.



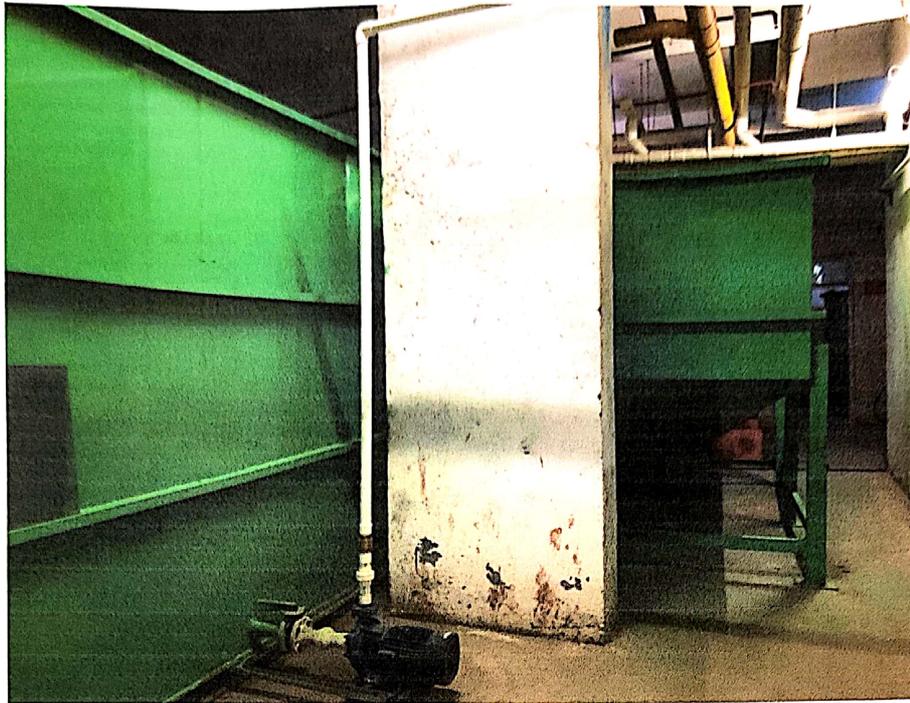
(Kishan Singh)
Junior Engineer
UPPCB, Greater Noida

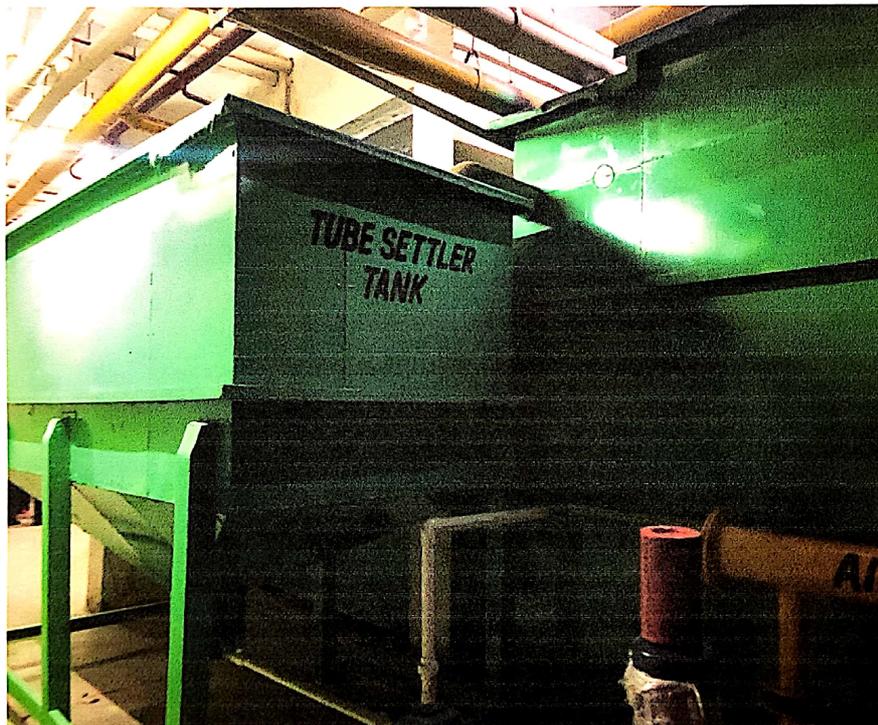


(Praveen Kumar)
Regional officer (In-charge)
UPPCB, Greater Noida

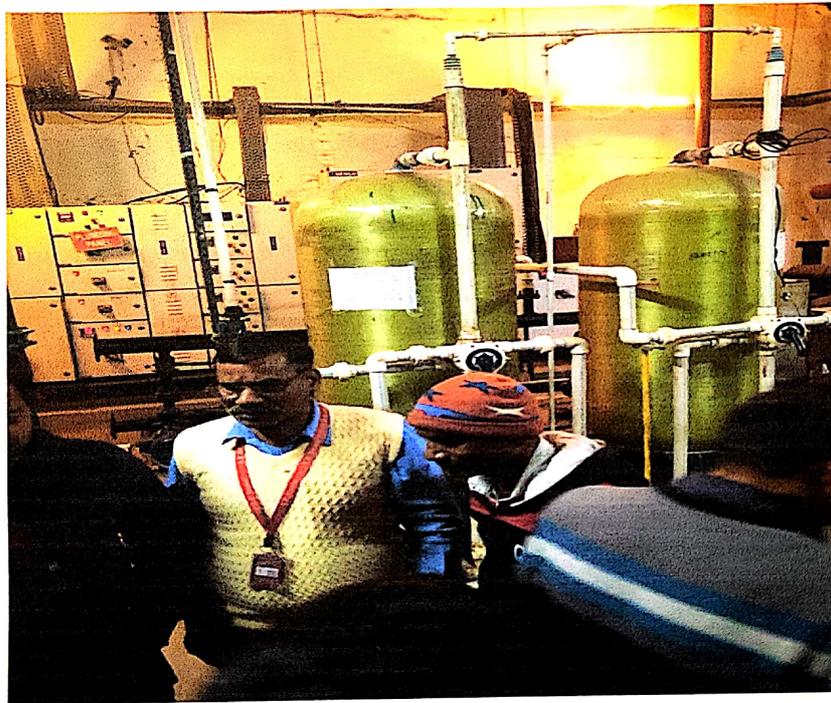


(Rajiv Rai)
SDM Tehseel, Dadri,
Gautam Budh Nagar







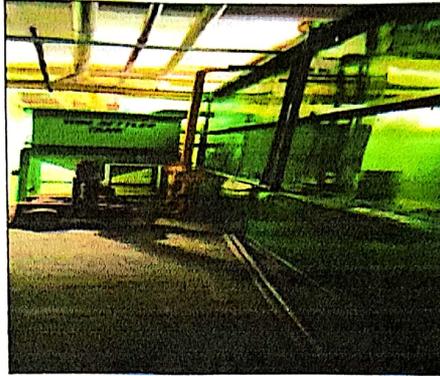


STP PHOTOS

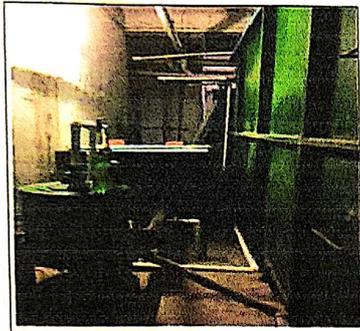
GC-01 / 1st AVENUE, GAUR CITY ,GH-01, Sector-04 , GR,NOIDA



(1)



(2)



(3)



(4)



(5)



(6)



CENTRAL LABORATORY, U.P. POLLUTION CONTROL BOARD
T.C.-12 V, Vibhuti Khand, Gomti Nagar, Lucknow-226010
Phone: 0522-2720832, 2720480



TEST REPORT: WASTE WATER LABORATORY

S.No.
Dt. of compilation of test report 14/02/2020
Certificate No. TC-3579
Dt./period of testing 10/2/2020-14/2/2020
1. इकाई/एच.टी.पी. का नाम एवं पता / Name and Address of Industry/S.T.P. m/s G.C-1 / Amara-1 Gaur City Dist. No. G.K-2, Sect-1, G.P. Badli, N.S.P.
2. नमूने का प्रकार (गैर/कम्पोजिट/इंटीग्रेटेड)/Type of Sample (Grab/Composite/Integrated) Grab
3. नमूने एकत्र करने वाले व्यक्ति का विवरण/Sample Collected by Rajendra Singh, R.D. Greater Noida
4. एकत्रित नमूने का रंग एवं गंध/Colour & Odour :
5. एकत्रित नमूने की मात्रा एवं पैकेजिंग/Quantity & Packing (Plastic Jerican/Any Other) 2lt. + glass jar bottle
6. नमूने एकत्रण की तिथि/Date of Sample Collection: 10/2/2020
7. विश्लेषण हेतु आवेदनकर्ता/Analysis indented by : R.D. Greater Noida
8. प्रयोगशाला में नमूना प्राप्त की तिथि/Date of Sample receipt in Laboratory : 10/2/2020
9. विस्तृत विधि/method of analysis APHA, AWWA, WEF, 23rd Edition, 2017, IS 3025(Part-44) For BOD

क्र. सं. / S.N. No.	परामीटर / Parameter	इकाई /Unit	Results नमूने का कोड नं./ एचएमएस पत्र Code No./Sampling Point <u>U.P.P.C.B. (U.N.) N.S.P. 161.A001/2020</u> <u>10/2/2020 S.T.P.</u>	Detection Range
1	पी. एच./pH, 4500 H ⁺ B Electrometric Method	-	7.49	02-12
2	दिलंबित कणिका/Suspended Solids, 2540 D Total Suspended Solids dried at 103-105°C	मिग./सी. / mg/l	112.0	10-20000 mg/l
3	दिलंबित कणिका/Disolved Solids, 2540 C Total Dissolved Solids dried at 180 °C	मिग./सी. / mg/l	1434.0	10- 50000 mg/l
4	कुल कणिका/Total Solids, 2540 B Total Solids dried at 103-105 °C	मिग./सी. / mg/l	1546.0	10-50000 mg/l
5	बायोकेमि./BOD, 3 day 27 °C IS 3025 (Part 44): 1993 Bio chemical Oxygen Demand	मिग./सी. / mg/l	200.0	1.0-50000 mg/l
6	बायोकेमि./COD, 5220 B Open Reflux Method	मिग./सी. / mg/l	498.0	5.0-100000 mg/l
7	सल्फेट/Sulphate as SO ₄ ²⁻ , 4500 -SO ₄ ²⁻ E Turbidimetric Method.	मिग./सी. / mg/l		01-1000 mg/l
8	फॉस्फेट-पी/Phosphate as P, 4500 P D Stannous Chloride Method	मिग./सी. / mg/l		0.03-100 mg/l
9	अमोनिया/Ammonia, 4500 NH ₃ -F Phenate Method	मिग./सी. / mg/l		0.1-50 mg/l
10	नाइट्रेट/Nitrate, 4500-NO ₃ ⁻ B, Ultraviolet Spectrophotometric Method	मिग./सी. / mg/l		0.05-100 mg/l
11	सोडियम/Sodium Na, 3500-Na B Flame Emission Photometric Method	मिग./सी. / mg/l		1.0- 200mg/l
12	पोटैशियम/Potassium K, 3500-K B. Flame Emission Photometric Method	मिग./सी. / mg/l		1.0- 100mg/l
13	क्लोराइड/Chloride as Cl, 4500- Cl B Argentometric Method	मिग./सी. / mg/l		1.0-5000mg/l
14	फ्लोराइड/Fluoride as F, 4500- F D SPADNS Method	मिग./सी. / mg/l		0.1-100 mg/l
15	हेक्सवैलेंट क्रोमियम/Hexavalent Chromium (Cr ⁶⁺), 3500-Cr B Colorimetric Method	मिग./सी. / mg/l		0.1-100mg/l
16	कुल क्रोमियम/Total Chromium (T.Cr), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.1-1000mg/l
17	कॉपर/Copper (Cu), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.01-1000mg/l
18	कैडमियम/Cadmium (Cd), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.01-1000mg/l
19	प्लंब/Lead (Pb), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.02-1000mg/l
20	आयरन/Iron (Fe), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.05-1000mg/l
21	निकेल/Nickel (Ni), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.02-1000mg/l
22	ज़िंक/Zinc (Zn), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग./सी. / mg/l		0.01-1000mg/l
23	कुल कोलिफॉर्म/Total Colliform, 9221 D Multiple Tube Fermentation Technique	एम्पीएन/100 मि.ली. / MPN/100 ml		<1.8 MPN/100 ml & above
24	फेकल कोलिफॉर्म/Fecal Colliform, 9221 E Multiple Tube Fermentation Technique	एम्पीएन/100 मि.ली. / MPN/100 ml		<1.8 MPN/100 ml & above

References: (1) General Standards for Discharge of Environmental Pollutants are as per Part -A : Effluents (Schedule - VI) The Environment (Protection) Rules, 1986 Source: <http://epcb.nic.in/GeneralStandards.pdf> ;
(2) Besides these standards, refer EPA standards for specific industry Source : epcb.nic.in/Industry_Specific_Standards.pdf
* नाम नमूने के अनुसार

परिष्कार/Analyzed by: Meeta 14/2/2020
अधिकृत हस्ताक्षर/ Authorised Signatory: Dr. A. D. Awasthi
Chief Environmental Officer
U.P. Pollution Control Board
Central Laboratory



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



CENTRAL LABORATORY, U.P. POLLUTION CONTROL BOARD
T.C.-12 V, Vihari Khand, Gomti Nagar, Lucknow-226010
Phone: 0522-2720832, 2720480



TEST REPORT: WASTE WATER LABORATORY

S.No.

Certificate No. TC-3579

Di. of compilation of test report 14/02/2020

Di./period of testing 14/2/2020 - 14/2/2020

1. इकाई/एन.टी.पी. का नाम एवं पता / Name and Address of Industry/S.T.P. 17/6 G.C.L. / Avenue 3, Ganga Sagar
2. नमूने का प्रकार (ग्रेब/कम्पोजिट/इंटीग्रेटेड) / Type of Sample (Grab/Composite/Integrated) Grab
3. नमूने एकत्र करने वाले व्यक्ति का विवरण / Sample Collected by Pradeep Kumar
4. एकत्रित नमूने का रंग एवं गंध / Colour & Odour Colorless & Odourless
5. एकत्रित नमूने की मात्रा एवं पैकेजिंग / Quantity & Packing (Plastic Jerrycan/Any Other) 2 Lit. in 2 Plastic Jerrycan
6. नमूने एकत्रण की तिथि / Date of Sample Collection 14/2/2020
7. विश्लेषण हेतु आदेशकर्ता / Analysis Intended by P.O. / Ganga Sagar
8. प्रयोगशाला में नमूने प्राप्ति की तिथि / Date of Sample receipt in Laboratory 14/2/2020
9. विश्लेषण विधि / method of analysis APLIA, AWWA, WEF, 23rd Edition, 2017, IS 3025 (Part-44) : Part BOD

क्र. सं. / S.N.O.	परामीटर / Parameter	इकाई / Unit	Results नमूने का कोड नं. / Sample No. Code No./Sampling Point <u>17/6 G.C.L. / Avenue 3, Ganga Sagar</u> <u>17/6 G.C.L. / Avenue 3, Ganga Sagar</u>	Deflection Range
1	घ. एक / pH, 4500 I1 B Electrometric Method		7.72	02-12
2	सस्पेंडेड सॉलिड / Suspended Solids, 2540 D Total Suspended Solids dried at 103-105 °C	मिग्रा./सी. / mg/l	38.0	10-20000 mg/l
3	डिसॉल्वेड सॉलिड / Dissolved Solids, 2540 C Total Dissolved Solids dried at 180 °C	मिग्रा./सी. / mg/l	1092.0	10-50000 mg/l
4	टोटल सॉलिड / Total Solids, 2540 D Total Solids dried at 103-105 °C	मिग्रा./सी. / mg/l	1130.0	10-50000 mg/l
5	बीओडी / BOD, 3 day 27 °C IS 3025 (Part 44): 1993 Bio chemical Oxygen Demand	मिग्रा./सी. / mg/l	15.0	1.0-50000 mg/l
6	सीओडी / COD, 5220 B Open Reflux Method	मिग्रा./सी. / mg/l	112.0	5.0-100000 mg/l
7	सल्फेट / Sulphate as SO ₄ ⁻² , 4500 -SO ₄ ⁻² E Turbidimetric Method	मिग्रा./सी. / mg/l		01-1000 mg/l
8	फॉस्फेट / Phosphate as P, 4500 P D Stannous Chloride Method	मिग्रा./सी. / mg/l		0.03-100 mg/l
9	अमोनिया / Ammonia, 4500 NH ₃ -P Phenate Method	मिग्रा./सी. / mg/l		0.1-50 mg/l
10	नाइट्रेट / Nitrate, 4500-NO ₃ ⁻ -D, Ultraviolet Spectrophotometric Method	मिग्रा./सी. / mg/l		0.05-100 mg/l
11	सोडियम / Sodium Na, 3500-Na B Flame Emission Photometric Method	मिग्रा./सी. / mg/l		1.0-200mg/l
12	पोटैशियम / Potassium K, 3500-K B Flame Emission Photometric Method	मिग्रा./सी. / mg/l		1.0-100mg/l
13	क्लोराइड / Chloride as Cl ⁻ , 4500- Cl ⁻ B Argentometric Method	मिग्रा./सी. / mg/l		1.0-5000mg/l
14	फ्लोराइड / Fluoride as F, 4500- F D SPADNS Method	मिग्रा./सी. / mg/l		0.1-100 mg/l
15	हेक्सावैलेंट क्रोमियम / Hexavalent Chromium (Cr ⁶⁺), 3500-Cr B Colorimetric Method	मिग्रा./सी. / mg/l		0.1-100mg/l
16	टोटल क्रोमियम / Total Chromium (T.Cr), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.1-1000mg/l
17	कॉपर / Copper (Cu), 3111- B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.01-1000mg/l
18	कैडमियम / Cadmium (Cd), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.01-1000mg/l
19	लेड / Lead (Pb), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.02-1000mg/l
20	आयरन / Iron (Fe), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.05-1000mg/l
21	निकेल / Nickel (Ni), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.02-1000mg/l
22	ज़िंक / Zinc (Zn), 3111-B Atomic Absorption Spectrometry (Direct Air-Ac Flame Method)	मिग्रा./सी. / mg/l		0.01-1000mg/l
23	टोटल कॉलोर्फॉर्म / Total Coliform, 9221 B Multiple Tube Fermentation Technique	एम्पीएन/100 मि.ली. / MPN/100 ml		<1.8 MPN/100 ml & above
24	फेकल कॉलोर्फॉर्म / Fecal Coliform, 9221 E Multiple Tube Fermentation Technique	एम्पीएन/100 मि.ली. / MPN/100 ml		<1.8 MPN/100 ml & above

Reference: (1) General Standards for Discharge of Environmental Pollutants are as per Part -A: Effluents (Schedule - VI)

The Environment (Protection) Rules, 1986 Source: <http://cepb.nic.in/GeneralStandards.pdf>;

(2) Besides these standards, refer EPA standards for specific industry Source: cepb.nic.in/Industry_Specific_Standards.pdf

परिष्कारण / Analyzed by 14/2/2020

अधिकृत हस्ताक्षर / Authorised Signatory 14/2/2020



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नियम 17 के तहत यह रिपोर्ट केवल उन वस्तुओं के लिए है जो परीक्षण किए गए हैं। इस रिपोर्ट को पूर्णतः प्रतिलिखित करने से पूर्व, बिना लिखित अनुमति के, प्रयोगशाला को सूचित किया जाना चाहिए।
This report shall not be reproduced, except in full, without the written permission of the Laboratory.

Dr. B. B. Awasthi
Chief Environmental Officer

Central Pollution Control Board
Lucknow