

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL**PRINCIPAL BENCH, NEW DELHI****Original Application No. 200 Of 2014****(I.A. No. 340/2022, M.A. Nos. 872/2018, 875/2014 & 480/2018)****In the matter of:****M.C. Mehta****...Applicant****Versus****Union of India & Ors.****...Respondents****Index**

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| 1. | Reply on behalf of Central Pollution Control Board in compliance of Hon'be NGT order dated 04.07.2025 in Original Application No. 200/2014 | |
| 2. | Annexure-I A copy of Report dated 06.05.2025 in compliance of orders dated 13.09.2024 and 25.03.2025 of the Hon'ble NGT in Original Application No. 200/2014 | |
| 3. | Annexure-II A copy of Hon'be NGT order dated 04.07.2025 in Original Application No. 200/2014 | |


Filed by: Advocate Suman Arora**On behalf of Central Pollution Control Board****Dated: 06.10.2025****Place: Delhi**

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

Original Application No. 200 Of 2014

(I.A. No. 340/2022, M.A. Nos. 872/2018, 875/2014 & 480/2018)

In the matter of:

M.C. Mehta

...Applicant

Versus

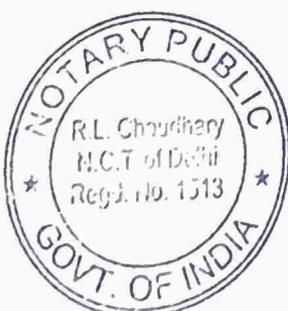
Union of India & Ors.

...Respondents

**REPLY ON BEHALF OF CENTRAL POLLUTION CONTROL
BOARD (CPCB)**

MOST RESPECTFULLY SHOWETH:

1. That, CPCB is a statutory Board constituted under Section 3 of the Water (Prevention and Control of Pollution) Act, 1974 (hereinafter referred to as "Water Act, 1974"). It performs the functions under the Water Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981 (hereinafter referred to as "Air Act, 1981") and the Environment (Protection) Act, 1986."
2. That, the present matter highlights the issue of prevention, control and abatement of pollution of river Ganga. The matter is being considered state-wise by the Hon'ble Tribunal.
3. That, CPCB in compliance of orders dated 13.09.2024 and 25.03.2025 of the Hon'ble NGT had filed Compliance Report dated 06.05.2025. A copy of the said report is annexed as **Annexure I**.



4. That, subsequently the Hon'ble NGT vide order dated 04.07.2025 in the captioned matter in respect of the State of West Bengal has directed the following:

".....(iii) Out of 42 STPs in 30 Ganga front towns, only 31 were operational and only 7 were complying with the standards and thus, untreated or partially treated sewage is being discharged. However, CPCB in the report has not disclosed the total installed treatment capacity of 42 STPs and the extent of utilisation capacities.

(iv) From disclosure on Table 1 (page 41506), we find Median values of fecal coliform are given, which do not match the Primary Water Quality Criteria, as there is no mention of using Median values. Further, the Criteria of " Desirable " Values should be followed rather than preferring " Maximum Permissible " Values. These two aspects should be carefully examined by CPCB to have a proper assessment of water quality to designate the use of water bodies and meaningful rejuvenation plans and programmes, and respond before the next hearing concerning West Bengal.

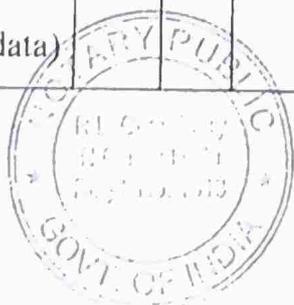
6. We direct that deficiencies and gaps noticed from disclosure made in the report of West Bengal and of CPCB be responded to by way of affidavit by the Chief Secretary, West Bengal, Director General, NMCG and CPCB before next hearing for West Bengal....".

A copy of the Order of Hon'ble NGT dated 04.07.2025 is appended herewith as **ANNEXURE – II**.

5. That with reference to the gaps related to Sewage Treatment Plants (herein after referred as STPs), this answering respondent submits that vide the compliance report dated 06.05.2025, CPCB had submitted data of STPs

monitored during April-July, 2024. A summary of the data submitted along with the updated data of monitoring carried out during December, 2024 to March 2025 are given in the table below:

| Duration | No. of Gangas front towns | No. of STPs | | | | Capacity (MLD) | | |
|--|---------------------------|-------------|-------------|------------------------------------|------------------------------------|----------------|------------------|-----------------|
| | | Total | Operational | Complying | Non-complying | Installed | Operational STPs | Utilization |
| April-July 2024 (As per CR dated 06.05.2025) | 30 | 42 | 31 | NGT stds:07 MoEF stds: 17 | NGT stds:24 MoEF stds: 14 | 693.2 | 492.6 | 275.8 (~56%) |
| December 2024 – March 2025 (As per updated CPCB monitoring data) | 31* | 43* | 36 | NGT stds:05 MoEF stds: 16 | NGT stds:31 MoEF stds: 20 | 719.7 | 679.7 | 385.4 (57%) |



*01 new STP of 26.5 MLD in the town of Chinsurah, Hooghly has been added.

6. That, with reference to Median values, Desirable Values and "Maximum Permissible" Values pertaining to the water quality criteria, this answering respondent submits the following:

An Expert Committee was constituted under the chairmanship of Dr Vinod Tare, Former Professor, Founder & Advisor, Centre for Ganga River Basin Management & Studies (cGanga), IIT Kanpur by CPCB on 05.03.2025 to suggest methodologies for analysis and reporting of water quality of surface water bodies. The committee also comprises of Sh. Anoop Kumar Shrivastava, Executive Director-NMCG, Dr. Prasad Modak, Former Professor, IIT Mumbai, Ms. Papia Mandal, Principal Scientist, NEERI Nagpur, Sh. Nazimuddin, Scientist F, CPCB and Sh. Dinabandhu Gouda, Scientist F, CPCB.

In pursuance of the Hon'ble NGT direction dated 04.07.2025, a meeting of the above mentioned Expert Committee was convened on October 1st, 2025, wherein aspects as directed by Hon'ble NGT, were carefully examined for proper assessment of water quality to designate the use of water bodies and meaningful rejuvenation plans.

The committee observed that desirable and permissible limits are prescribed for FC and FS with respect to the primary water quality criteria for bathing notified under MoEF & CC Gazette notification dated 25.09.2000. In the said notification, the justification/rationalisation of the same is given as follows *the desirable and permissible limits are suggested to allow for fluctuation in*

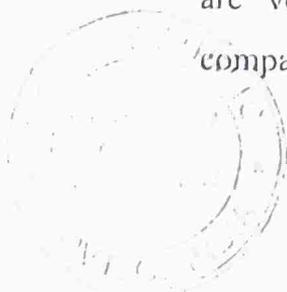


environmental conditions such as seasonal changes, changes in flow conditions etc.”

Also, as per the Standard Methods for the Examination of Water and Wastewater (APHA, 24th Edition), for the reporting of bacteriological parameters such as Total Coliform (TC), Faecal Coliform (FC), and Faecal Streptococci (FS) it is mentioned that *“Generally, the geometric Mean or median values of the result of a number of samples yields a value in which the effect of sample to sample variation is minimised”*.

After due deliberations by the Expert Committee, the following were recommended:

- i. The Geometric Mean may be used for reporting of bacteriological parameters like FC, FS, TC & E.coli as these parameters exhibit high variability and generally follow logarithmic values. However, for other parameters like pH, DO and BOD, which do not vary on a logarithmic scale, median may be used when number of data points are less than 30. When the data set is low i.e. less than or equal to 3, data may be reported as a range or individual values and clearly labelled as "Spot Data" or "Grab Samples".
- ii. The assessment may be compared with maximum permissible limits where the data sets are less (weekly/fortnightly/monthly monitoring) as they represent once in a while situation. However, where the data sets are very large (hourly/daily monitoring), the assessment may be compared with desirable limits as they represent all time situation.



7. That the answering respondent herein craves the leave of Hon'ble Tribunal to file additional reply, in future, if required.
8. That, in the light of the above submissions, it is respectfully submitted that the answering respondent CPCB shall abide by any order(s) and/or direction(s) passed by the Hon'ble Tribunal in the instant case.



A handwritten signature in black ink, appearing to be "Dinbandhu Gauda".

(Dinbandhu Gauda)

Scientist 'F'

Central Pollution Control Board

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

Original Application No. 200 Of 2014

(I.A. No. 340/2022, M.A. Nos. 872/2018, 875/2014 & 480/2018)

In the matter of:

M.C. Mehta

...Applicant

Versus

Union of India & Ors.

...Respondents

AFFIDAVIT

I, Dinabandhu Gouda working as Scientist "F" in Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi, do hereby solemnly affirm and declare on oath and state as under:

1. That I, the deponent herein is well conversant with the facts and circumstances of the present case on the basis of the information derived from the official records, and hence, I am competent to verify, sign and swear this affidavit on behalf of the respondent CPCB.
2. That the accompanying response may be read as part and parcel of the present affidavit as I am competent to swear this affidavit.
3. That the accompanying response has been drafted and filed under my instructions and authority the contents thereof are true and correct on the basis of records maintained during ordinary course of business of CPCB and



available records and documents and the contents of the same are read over than explained to me. The same are not repeated for the sake of brevity.

DEPONENT

दीनबन्धु गौड़ा / Dinabandhu Gouda
 प्रभागीय प्रमुख, डबल्यू क्यू एम-II / Division Head, M/o
 केंद्रीय प्रदूषण नियंत्रण बोर्ड
 Central Pollution Control Board
 (पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)
 (M/o Environment, Forest & Climate Change, Govt. of India)
 परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032
 Parivesh Bhawan, East Arjun Nagar, Delhi-110032

VERIFICATION

Verified at Delhi on this _____ day of _____ 2025 that the contents of the above response are correct and true on the basis of the records of the case as mentioned in the day-to-day affairs of CPCB. Nothing has been concealed therefrom or mis-stated.

DEPONENT

दीनबन्धु गौड़ा / Dinabandhu Gouda
 प्रभागीय प्रमुख, डबल्यू क्यू एम-II / Division Head, M/o
 केंद्रीय प्रदूषण नियंत्रण बोर्ड
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 Parivesh Bhawan, East Arjun Nagar, Delhi-110032



ATTESTED

 NOTARY PUBLIC
 GOVT. OF INDIA

6 OCT 2025

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI
O.A. No. 200/2014**

In the matter of: -

M.C. Mehta

Applicant(s)

Versus

Union of India & Ors.

Respondent(s)

Index

| S. No | Particulars | Page No. |
|-------|---|----------|
| 1. | Compliance Report on behalf of CPCB in compliance to Hon'ble NGT order dated 13.09.2024 in the matter of M.C. Mehta vs Union of India & Ors., O.A. No. 200/2014. | |
| 2. | Annexure I- A copy of Hon'ble NGT order dated 13.09.2024 in O.A No. 200/2014. | |
| 3. | Annexure II- A copy of Hon'ble NGT order dated 23.03.2025 in O.A No. 200/2014. | |
| 4. | Annexure III- A copy of District wise status of drains monitored during Post-monsoon 2023 discharging into river Ganga in West Bengal. | |
| 5. | Annexure IV- A copy of details of drain name and photographs during Post Monsoon-2023 & Pre-monsoon 2024 | |

Rajkumar

**Filed by Advocate Rajkumar
On behalf of Central Pollution Control Board**

Place: Delhi

Dated: 06.05.2025

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 200 OF 2014

M.C. Mehta

Applicant

Vs.

Union of India & Ors.

Respondents

Compliance Report on behalf of CPCB in compliance to Hon'ble NGT order dated 13.09.2024 in the matter of M.C. Mehta vs Union of India & Ors., O.A. No. 200/2014

The concerned matter is related to remedying of pollution in River Ganga. In compliance to Hon'ble NGT order dated 13.09.2024 (**Annexure-I**) in OA No. 200/2014 titled M.C. Mehta vs Union of India & Ors wherein the following has been directed:

“6. Learned Counsel for the CPCB submits that he will obtain instructions and place the complete record of drains in respect of all the districts of Jharkhand through which the river Ganga and its tributaries are flowing along with the details of outfall points and the quantity of untreated sewage flowing in river Ganga and its tributaries. He is directed to provide such details in respect of other States and also district-wise one week in advance whenever those matters are taken up.”

The Hon'ble Tribunal has also, vide its order dated 25.03.2025 (**Annexure II**) directed the following:

“The CPCB is also directed to file the report disclosing the status of discharge of untreated sewage in river Ganga by various ULBs abutting river Ganga.”

In compliance to the above mentioned NGT orders, the district wise status of 104 drains monitored during post monsoon 2023, 97 drains monitored during pre-monsoon 2024,

170 additional drains (other than 104 drains being monitored regularly), 42 sewage treatment plants (STPs) and water quality of 15 locations of River Ganga located in the state of West Bengal has been provided in the following paras.

Status of Drains located in the state of West Bengal

1. Post-Monsoon 2023

During post-monsoon 2023, 104 drains located in the state of West Bengal and discharging directly into river Ganga were monitored by CPCB along with WBPCB. These drains carry treated / untreated wastewater (sewage and industrial effluent) along with storm water. Out of 104 monitored drains, 9 were found tapped to various STPs. These 104 drains comprising of 76 domestic and 28 mixed drains and having a flow of 6231.08 MLD discharge a total BOD load of 175.2 TPD. The manual monitoring data of drains is being displayed on CPCB website at https://cpcb.nic.in/ngrba/Identified_drains_postmonsoon-2023.pdf.

2. Pre-Monsoon 2024

97 drains discharging directly into river Ganga in West Bengal were monitored during pre-monsoon 2024. These drains carry treated / untreated wastewater (sewage and industrial effluent) along with storm water. Out of 97 monitored drains, 10 were found tapped to various STPs. These 97 drains including 69 domestic and 28 mixed drains having a flow of 7629.80 MLD discharge a BOD load of 107.33 TPD into the River Ganga. 07 drains could not be monitored during the pre- monsoon season due to early onset of monsoon.

CPCB also monitored 170 additional drains (other than 104 drains being monitored regularly) along with WBPCB discharging directly into river Ganga in West Bengal in district Hooghly and North 24 Parganas during February –April 2024 and June-July 2024 respectively. Out of 170 monitored drains, 17 drains were found tapped to various STPs. These 170 domestic drains having a flow of 278.09 MLD discharge a BOD Load of 11.47 TPD.

The district-wise names and details of drains located in the state of West Bengal which have potential to discharge waste water in the main stem of River Ganga is placed as **Annexure-III**. Photographs of these drains along with their location is given in **Annexure-IV**.

B. Status of Sewage Management in Ganga front towns in West Bengal

There are 42 STPs located in 30 Ganga front towns in West Bengal. Out of these 42 STPs, monitored by CPCB during April-July,2024, 31 STPs were found operational and 11 STPs were found non-operational. 07 STPs were found complying and 24 STPs were found non-complying w.r.t. norms prescribed by Hon'ble NGT vide order dated 30.04.2019. However, w.r.t. treated sewage discharge norms notified by Ministry of Environment Forests & Climate Change (MoEF & CC) dated 13.10.2017, 17 STPs were found complying and 14 STPs were found non-complying.

The compliance verification of STPs are assessed on the basis of following standards:

- a. Standards prescribed by Hon'ble NGT: Compliance based on norms prescribed by Hon'ble NGT vide order dated 30.04.2019 in the matter of OA no. 1069/2018 (pH – 5.5-9.0, BOD <10mg/l, TSS< 20mg/l, COD< 50mg/l; Faecal Coliform – desirable <100MPN/100ml & permissible < 230 MPN/100 ml, Nitrogen-Total < 10 mg/l and Phosphorous-Total < 1.0 mg/l (compliance for discharge into ponds and lakes).*
- b. Compliance as per MoEF & CC notification dated 13.10.2017: Standards for treated sewage from STPs for cities other than metro cities, state capitals and union territories were notified as pH-6.5-9.0, BOD as 30mg/L, Total suspended solids (TSS) as less than 100mg/L and Faecal coliform as less than 1000MPN per 100mL.*

The manual monitoring data of STPs monitored during Dec, 2023-March, 2024 is being displayed on CPCB website at https://cpcb.nic.in/ngrba/reports/Report_stp_WB_4_2023.pdf in public domain.

Status of water quality of River Ganga in West Bengal

Manual water quality monitoring of river Ganga is carried out by Central Pollution Control Board (CPCB) at 15 locations under National Water Quality Monitoring Programme (NWMP) in West Bengal through West Bengal Pollution Control Board on fortnightly basis.

River water quality is assessed for primary water quality criteria notified for outdoor bathing in terms of pH (6.5-8.5), Dissolved Oxygen (DO \geq 5mg/l), Biochemical Oxygen Demand (BOD \leq 3mg/l), Faecal Coliform (FC \leq 2500 MPN/100ml) and Faecal Streptococci (FS \leq 500 MPN/100ml).

It is further submitted that in view of the variability in the data, statistical analysis of water quality data of various monitoring locations for parameters, specifically pH, DO, BOD, FC and FS for the period of January -December, 2024 based on the median values (central tendency of the data) was undertaken. Key findings of the aforementioned analysis are given in the table 1 below:

Table:1 Water quality data of river Ganga-West Bengal (January to December, 2024)

| Station Code | Station name | Median pH | Median DO (mg/l) | Median BOD (mg/l) | Median FC (MPN/100ml) | Median FS (MPN/100ml) |
|--------------|----------------------|-----------|------------------|-------------------|-----------------------|-----------------------|
| 5162 | FARAKKA, MURSHIDABAD | 7.3 | 6.9 | 2.6 | 490 | 33 |
| 10159 | KHAGRA, BEHARAMPORE | 7.3 | 7.1 | 2.3 | 790 | 59.5 |
| 1080 | BEHARAMPORE | 7.4 | 7.0 | 2.2 | 3500 | 460 |

| | | | | | | |
|-------|--|-----|-----|-----|-------|------|
| 10160 | GORABAZAR, BEHRAMPORE | 7.3 | 7.0 | 2.3 | 2200 | 310 |
| 2511 | NABADIP, GHOSHPARA NEAR MONIPURGHAT | 7.4 | 7.3 | 2.4 | 1100 | 86.5 |
| 2506 | TRIBENI, NEAR BURNING GHAT | 7.3 | 7.1 | 2.6 | 930 | 79 |
| 10161 | SHITALATALA, PALTA | 7.3 | 6.9 | 2.6 | 2400 | 330 |
| 1054 | PALTA | 7.3 | 6.7 | 2.5 | 3500 | 380 |
| 1472 | SERAMPORE | 7.3 | 6.7 | 2.6 | 11000 | 790 |
| 1053 | DAKSHINESHWAR | 7.3 | 5.8 | 2.7 | 33000 | 1100 |
| 1470 | GARDEN REACH | 7.3 | 5.4 | 2.8 | 49000 | 1200 |
| 1471 | SHIVPUR (HOWRAH) | 7.2 | 5.5 | 2.8 | 29500 | 890 |
| 1052 | ULUBERIA | 7.3 | 5.5 | 2.7 | 11000 | 465 |
| 1469 | DIAMOND HARBOUR | 7.3 | 5.9 | 2.6 | 1300 | 185 |
| 1335 | PATIKALI | 7.9 | 5.8 | 1.7 | 10200 | 460 |

The detailed water quality data comprising of the range of pH, DO, BOD, FC & FS has been given in the table 2 below:

Table 2: Range of parameters w.r.t. pH, DO, BOD, FC & FS in river Ganga in West Bengal (January to December, 2024)

| Station code | Station name | Parameters | | | | |
|--------------|---|------------|-----------|------------|----------------|----------------|
| | | pH | DO (mg/l) | BOD (mg/l) | FC (MPN/100ml) | FS (MPN/100ml) |
| 5162 | FARAKKA, MUSHIDABAD | 6.82-7.96 | 5.3-9.7 | 1.7-2.9 | 140-1100 | 13-110 |
| 10159 | KHAGRA, BEHARAMPORE | 7.02-8.01 | 5.5-9.7 | 1.6-2.9 | 230-1700 | 23-110 |
| 1080 | BEHARAMPORE | 7.03-7.96 | 5.7-9.8 | 1.4-2.9 | 790-5400 | 230-790 |
| 10160 | GORABAZAR, BEHRAMPORE | 7-7.84 | 5.6-9.5 | 1.7-2.9 | 330-3500 | 130-490 |
| 2511 | NABADIP, GHOSHPARA NEAR MONIPURGHAT | 6.52-8.02 | 5.1-9.6 | 1.6-2.9 | 490-2400 | 33-240 |

| | | | | | | |
|-------|-------------------------------|---------------|---------|---------|--------------|----------|
| 2506 | TRIBENI, NEAR BURNING GHAT | 7.01- 7.97 | 5.3-9.3 | 1.9-2.9 | 540-2400 | 33-170 |
| 10161 | SHITALATALA, PALTA | 6.88- 7.92 | 5.1-9.2 | 2.1-2.9 | 1300-9200 | 130-790 |
| 1054 | PALTA | 6.82- 7.96 | 5.3-9.3 | 2-2.8 | 1700-9200 | 170-790 |
| 1472 | SERAMPORE | 6.93- 7.91 | 5.2-9.2 | 1.9-2.8 | 7000-17000 | 490-1100 |
| 1053 | DAKSHINESHWAR | 6.87- 7.79 | 5.2-8.3 | 1.1-2.8 | 11000-79000 | 470-5400 |
| 1470 | GARDEN REACH | 6.93- 7.7 | 5-7.8 | 2.1-2.9 | 17000-240000 | 400-5400 |
| 1471 | SHIVPUR (HOWRAH) | 6.88- 7.78 | 5-8 | 1.5-2.9 | 4500-130000 | 330-5400 |
| 1052 | ULUBERIA | 6.88- 7.98 | 5-7.7 | 1.8-2.8 | 2300-27000 | 130-1300 |
| 1469 | DIAMOND HARBOUR | 7-7.9 | 5-7.8 | 1.8-2.7 | 790-13000 | 21-700 |
| 1335 | PATIKALI | 7.4- 8.4 | 5-7 | 1-2.9 | 4600-17000 | 170-790 |



(Dinbandhu Gouda)
Scientist 'F'
Central Pollution Control Board
06.05.2025

Item No. 21

Court No. 1

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

Original Application No. 200/2014
(IA No. 340/2022, MA Nos. 872/2018, 875/2014 & 480/2018)
(In respect of State of West Bengal)

M.C. Mehta

Applicant

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 25.03.2025

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Applicant: Ms. Katyayni, Adv. for Applicant

Respondents: Ms. Madhumita Bhattacharjee, Advs. for the State of West Bengal
Mr. Raj Kumar, Adv. for CPCB
Mr. Gigi. C. George & Mr. Sunil Kumar, Advs. for NMCG

ORDER

1. Learned counsel for the State of West Bengal seeks further four weeks' time to file the fresh report in terms of the order dated 04.03.2025. The CPCB is also directed to file the report disclosing the status of discharge of untreated sewage in river Ganga by various ULBs abutting river Ganga.

2. List on 16.05.2025.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

March 25, 2025
A..

Item No. 16

Court No. 1

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

Original Application No. 200/2014
(IA No 340/2022, MA No 872/2018, MA No
875/2014, IA No 389/2024, MA No 480/2018)

M. C. Mehta

Applicant

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 13.09.2024

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Applicant: Ms. Katyayni, Advocate

Respondent: Mr. Gigi. C. George, Adv. with Mr. Pravin Kumar, Director, NMCG
(Through VC)
Mr. Saurabh Jain & Mr. Prayag Jain, Advs. for the State of Jharkhand
Mr. Jayesh Gaurav & Mr. Ishwar Chandra Roy, Advs. for Jharkhand
SPCB
Mr. Raj Kumar, Adv. for CPCB (Through VC)

ORDER

1. In this original application, the Tribunal is considering the issue of prevention and control of pollution in river Ganga and the matter is being taken up State-wise and District-wise.

2. Today, the matter is listed for considering the compliance status in the **State of Jharkhand**.

3. The reports on behalf of the DC, Dhanbad, Bokaro, Sahibganj and Ramgarh have been filed. The same has been examined by us. On examining reports of DCs for the Districts Sahibganj, Ramgarh, Dhanbaad and Bokaro, we find a very grim picture of sewage management. District-wise deficiencies and gaps are as follows:

1. District SahibganjSahibganj

- (i) Out of 8 MLD of sewage generation in Sahibganj, 6.8 MLD is treated in two STPs of 7.0 and 5.0 MLD. However, we find that only 6.2 MLD is discharged from two STPs.
- (ii) There is no disclosure about the performance of STPs for fecal coliform. Further, 1.2 MLD is still required to be connected with existing STPs.

Rajamahala

- (i) Out of 0.97 MLD of sewage generation, 0.91 is being treated in 3.5 MLD of STP. No data is disclosed about Fecal Coliform (FC) in treated sewage.
- (ii) Water quality data of river Ganga concerning FC has not been provided.
- (iii) For 87 km of stretch of river Ganga, 54.47 sq. km area is considered a flood plain zone which is based on submergence /HFL.

2. District Ramgarh

- (i) It has been disclosed that some wards are abutting river Damodar fully or partially but the basis of saying so is not clarified.
- (ii) For treating sewage generation of 32.38 MLD two STPs of 40 MLD and one STP based on the Pond system have been set up. However, there is no disclosure of the actual utilisation of installed facilities and their performance.

3. District Dhanbaad

- (i) It is a matter of great concern that no sewage treatment facilities exist. Tenders are now floated for setting up of 192.0 MLD of STP and this indicates that untreated sewage is being discharged. Further, there is no disclosure of the generation of sewage.
- (ii) We find that a large number of Hotels are operating without CTO and PCB has only written letters on 2.3.2024 to apply for CTO. This further raises the issue that effluents from the hotels must be either seeping or being discharged into drains.

- (iii) No data has been furnished on fecal coliform present in River Damodar. Further, we find that PCB has no testing facilities for fecal coliform. We direct that, in the next three months JSPCB should set up the required facilities and undertake analysis.

4. District Bokaro

- (i) Bokaro Steel Plant township generates 31.972 MLD sewage and 6 lagoons are provided for treatment. But the final mode of disposal and its quality have not been disclosed.
- (ii) We find that Nagar Nigam Chas is generating 12.44 MLD and is discharging sewage through 70 drains into the river Ganga. This clearly reflects violations of the Water Act and the order of the Hon'ble Supreme Court dated 22.02.2017 in Paryavaran Suraksha.
- (iii) We also find that Nagar Nigam Phusro has no sewage treatment facilities for treating 3.92 MLD. Further, water quality data of river Damodar is not disclosed for FC.

4. Learned Counsel for the Applicant has pointed out that the Central Pollution Control Board (CPCB) has details of all the drains in different districts of the states and, therefore, the details relating to the drains abutting river Ganga and its tributaries and the drains falling in Ganga and its tributaries are also available with the CPCB. She has also submitted that the details of the sewage being discharged by these drains in Ganga and its tributaries are also available on the website of CPCB.

5. We find that for last more than one year whenever the matter is taken up, CPCB is not represented. When the issue of the availability of the details was raised by Counsel for the Applicant, at that stage, Counsel for the CPCB appeared virtually.

6. Learned Counsel for the CPCB submits that he will obtain instructions and place the complete record of drains in respect of all the districts of Jharkhand through which the river Ganga and its tributaries are flowing along with the details of outfall points and the quantity of

untreated sewage flowing in river Ganga and its tributaries. He is directed to provide such details in respect of other States and also district-wise one week in advance whenever those matters are taken up.

7. Learned Counsel for National Mission for Clean Ganga (NMCG Mr. Gigi. C. George, Advocate) is also present. Nothing has been pointed out as to what action the NMCG has taken to ensure the prevention of the flow of untreated sewage in river Ganga or its tributaries, except by stating that the funds have been provided for the construction of STPs in the districts under consideration and their monitoring is done and directions issued.

8. We take note of the fact that under clause 34 of the River Ganga (Rejuvenation, Protection and Management) Authorities Order, 2016 (2016 Order) the NMCG is an empowered organization and in terms of clause 39 of the 2016 order, NMCG has the following functions to perform:

“39. Functions of National Mission for Clean Ganga.- (1)
Without prejudice to the provisions of this Order, the National Mission for Clean Ganga shall identify or cause to be identified –

- (a) *the specific threats to the River Ganga in areas in each village and town of such specified District abutting River Ganga and its tributaries, including sewerage and industrial waste, cremation and burial of corpses and disposal of animal carcasses, and threats from commercial, recreational and religious activities;*
- (b) *the type of measures required to address such threat in each village and town of all districts abutting River Ganga and its tributaries;*
- (c) *the specific areas where such remedial actions are required to be taken for rejuvenation and protection of River Ganga and its tributaries.*
- (d) *the measures which may be necessary for reuse of treated water and enter in to Memorandum of Understanding in this regard with the Ministries of the Central Government like Railways, Power, Petroleum and Natural Gas etc., State Governments, autonomous bodies at the Central and State level, recognized Institutes and organizations which the National Mission for Clean Ganga may deem fit.*

(2). *The National Mission for Clean Ganga shall make or cause to make the River Ganga Basin Management Plan along with cost, timelines and allocation of responsibilities, among other things, for rejuvenation and protection of River Ganga and its tributaries in each village and town of specified District abutting River Ganga and its tributaries and execute projects there for.*

(3). *The National Mission for Clean Ganga shall*

- (a) *cause to be determined the magnitude of ecological flows in the River Ganga and its tributaries required to be maintained at different points in different areas at all times with the aim of ensuring water quality and environmentally sustainable rejuvenation, protection and management of River Ganga and its tributaries and notifying the same and take or direct all such measures necessary to maintain adequate ecological flows;*
- (b) *cause to be identified places where the environmental flow of water of River Ganga has been modified and take measures for correction thereof to maintain the continuous flow of water for rejuvenation, protection and management of River Ganga and its tributaries;*
- (c) *identify places of discontinuity of water in River Ganga and its tributaries due to engineered diversion of water or storage of water or by any other means and execute plans in respect thereof or take remedial action therefor;*
- (d) *devise a system to be put in place for continuous monitoring of flow of water and pollution levels in River Ganga and its tributaries;*
- (e) *take all such measures which may be necessary to give effect to the decisions of the National Ganga Council so as to maintain adequate ecological flows in the River Ganga and tributaries;*
- (f) *render assistance or cause them to be rendered by any agency for preparation of detailed project reports or execution of projects for abatement of pollution and rejuvenation, protection and management of the River Ganga and its tributaries to the State Governments, the State Ganga Committees, District Ganga Committees or local authorities or any person or body, any authority, Board or Corporation;*
- (g) *set up or facilitate setting up or designate and direct one or more existing centers to research, develop and disseminate knowledge base and analytical tools on abatement of pollution and rejuvenation, protection and management of River Ganga and its tributaries;*
- (h) *take any other measures which may be necessary for continuous flow of water and abatement of pollution in River Ganga and its tributaries*

(4) *The National Mission for Clean Ganga shall take all such other emergency measures as outlined in paragraph 7.”*

9. The powers of the NMCG have been set out in clause 41 of the 2016 order which reads as under:

“41. Powers of National Mission for Clean Ganga.- (1) *The National Mission for Clean Ganga being the national agency charged with the role, responsibility and powers to facilitate the task of rejuvenation, protection and management of River Ganga and its tributaries, under the supervision and direction of the National Ganga Council, shall recommend to the National Ganga Council or Central Government for issuing directions or issue directions itself, to the State Ganga Committees or District Ganga Committees or local authority or any other authority or any person, institution, consortium or agency, as it may decide, for the rejuvenation, protection and management of River Ganga and have the power to take all such measures and discharge such functions as it may deem necessary or expedient for prevention, control and abatement of environmental pollution in River Ganga and its tributaries so as to rejuvenate the River Ganga to its natural and pristine condition and ensure continuous and adequate flow of water in River Ganga and for protection and management of River Ganga and for matters connected therewith.*

(2) *In particular and without prejudice to the generality of the provisions of sub-paragraph (1), and save as otherwise provided in this Order, such directions may include all or any of the following matters in the management of River Ganga, namely:-*

- (a) *fulfillment of the functions mentioned in paragraph 55 in accordance with the principles in paragraph 4;*
- (b) *formulate, with the approval of the Central Government, the National policy for effective abatement of pollution and rejuvenation, protection and management of River Ganga;*
- (c) *enter into memorandum of understanding, with the approval of the Central Government, with any country or foreign agency for effective implementation of the River Ganga Basin Management Plan for rejuvenation, protection, prevention, control and abatement of pollution in the River Ganga and its tributaries;*
- (d) *approve, with or without modifications, the River Ganga Basin Management Plan and direct amendments, if any, to be made therein;*
- (e) *supervise and review the progress reports, and issue directions to the State Ganga Committees, District Ganga Committees or local authorities and other authorities in the implementation of the River Ganga Basin Management Plan and any other matter connected with affairs of the River Ganga and its tributaries;*
- (f) *approve the planning, financing and execution of programmes for abatement of pollution in the River Ganga including augmentation of sewerage and effluent treatment infrastructure, catchment area treatment, protection of flood plains, creating public awareness, conservation of aquatic and riparian life and biodiversity and such other measures for promoting environmentally sustainable river rejuvenation;*
- (g) *coordination, monitoring and review of the implementation of various programmes or activities taken up for prevention, control and abatement of pollution and*

protection and management in the River Ganga and its tributaries;

- (h) direct any person or authority to take measures for restoration of river ecology and management in the River Ganga Basin States;*
- (i) recommend to the Central Government, for creation of special purpose vehicles (whether as a company under the companies Act, 2013(18 of 2013) or Societies Registration Act, 1860 (21 of 1860) or a Trust under the Indian Trust Act, 1882 (2 of 1882)), as may be considered appropriate, for implementation of this Order and for the purposes of the Act;*
- (j) take such measures as may be necessary for the better co-ordination of policy and action to ensure effective prevention, control and abatement of pollution, rejuvenation and protection and management in the River Ganga and its tributaries;*
- (k) issue such directions to any person or authority, as it may consider necessary, for proper or prompt execution of the projects or cancel such projects or stop release of funds or direct refund of amount already released and assign the same to any other person or authority or Board or Corporation for prompt execution thereof;*
- (l) direct any person or authority to maintain such books of account or other documents, without prejudice to any law for the time being in force, as may be specified by the National Mission for Clean Ganga;*
- (m) take such other measures which may be necessary for achievement of prevention, control and abatement of pollution, rejuvenation and protection and management in the River Ganga and its tributaries;*

(3) The National Mission for Clean Ganga shall have the power to issue directions mentioned under section 5 of the Act.

(4) The National Mission for Clean Ganga may evolve an appropriate mechanism for implementation of its decisions and the decisions of the National Ganga Council.”

10. Hence, we require the NMCG to appraise the Tribunal by filing a report by way of an affidavit in respect of the exercise of these powers and discharge of these duties to prevent the flowing of untreated sewage in river Ganga or its tributaries.

11. We also take note of the fact that the information provided by the different districts of the State of Jharkhand is not complete in all respects. Therefore, we require them to furnish the information in the format mentioned below:

District Wise (including city and town) information on river Ganga and Tributaries

| A. Sewage Management | | | | | | | | |
|-----------------------------|---|---|--|--|--------------------------------------|--|---|--|
| (i) Sewage generation | (ii) Existing Sewage Treatment Capacities | (iii) Quantity of sewage being treated (utilization capacity) | (iv) Performance of STPs particularly for FC | (v) Reasons for Underutilisation of STPs (Connectivity of Households/ laying of sewer lines) | (vi) Current Gap in sewage treatment | (vii) Time bound plan for bridging the gap and tying up with financial arrangements and not delaying Tendering and identifying executing agencies or having any other issues | (viii) Where treated sewage is being discharged (to Ganga or tributaries) | (ix) Where untreated sewage is discharged (Drains joining Ganga/Tributaries) |
| | | | | | | | | |
| | | | | | | | | |

District Wise (including city and town) information on river Ganga and Tributaries

| B. Drains | | | |
|---|---|---|--|
| (i) Details of drains carrying sewage-sullage or industrial waste water joining Ganga/ tributaries and the Quantity | (ii) Drains joining outside city and town limits but either joining in village or nearby town | (iii) Inclusion of sewage flowing in drains into total sewage generation figures and their interception and diversion to STPs | (iv) Preventive steps taken for not encroachment of drains |
| | | | |
| | | | |

District Wise (including city and town) information on river Ganga and Tributaries

| C. Septage management (Septic tanks/soak pits) | | | | |
|---|-------------------------------|---|---|--|
| (i) Status of Septage management with reference to FSTP/STP | (ii) Management of Grey Water | (iii) Utilization of treated Grey water | (iv) Utilization and Disposal of Sludge | (v) Gap in sewage management and time plan |
| | | | | |
| | | | | |

District Wise (including city and town) information on river Ganga and Tributaries

| D. Industrial Pollution Control |
|--|
| No. of industries generating trade effluents, their place of disposal and compliance |
| |

| E. District Wise (including city and town) information on river Ganga and Tributaries | |
|---|-----------------------------------|
| Water quality status of Ganga and its tributaries in the District and city/ town in terms of its fitness for Bathing water quality that is, FC and FS | Notification of Flood Plain Zones |

| | |
|--|--|
| | |
| | |

District Wise (including city and town) information on river Ganga and Tributaries

| |
|---|
| F. Issues relating to Environmental Flow |
| |
| |

12. List on 25.03.2025.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

September 13, 2024
Original Application No. 200/2014
(IA No 340/2022, MA No 872/2018, MA No
875/2014, IA No 389/2024, MA No 480/2018)
dv..

District wise status of drains monitored during Post-monsoon 2023 discharging into river Ganga in West Bengal

| River | Monitored Drains | Flow (MLD) | BOD Load (TPD) | Tapped Drains | Interim measure adopted | Domestic | Mixed |
|-----------------------------|-------------------------|-------------------|-----------------------|----------------------|--------------------------------|-----------------|--------------|
| 1. Murshidabad | | | | | | | |
| Ganga | 5 | 49.1 | 0.394 | - | - | 4 | 1 |
| 2. Purba Bardhaman | | | | | | | |
| Ganga | 3 | 20.4 | 2.51 | - | - | 3 | - |
| 3. Nadia | | | | | | | |
| Ganga | 4 | 54.78 | 0.81 | 1 | - | 3 | 1 |
| 4. Hooghly | | | | | | | |
| Ganga | 24 | 1616.65 | 25.93 | 1 | - | 17 | 7 |
| 5. North 24 Parganas | | | | | | | |
| Ganga | 28 | 935.77 | 36.68 | 7 | - | 25 | 3 |
| 6. South 24 Parganas | | | | | | | |
| Ganga | 4 | 247.07 | 0.74 | - | - | 3 | 1 |
| 7. Howrah | | | | | | | |
| Ganga | 21 | 1505.75 | 53.58 | - | - | 10 | 11 |
| 8. Kolkata | | | | | | | |
| Ganga | 12 | 1483.94 | 45.46 | - | - | 10 | 2 |
| 9. East Midnapore | | | | | | | |
| Ganga | 3 | 317.62 | 9.10 | - | - | 1 | 2 |

District wise status of drains monitored during Pre-monsoon 2024 discharging into river Ganga in West Bengal

| River | Monitored Drains | Flow (MLD) | BOD Load (TPD) | Tapped Drains | Interim measure adopted | Domestic | Mixed |
|-----------------------------|------------------|------------|----------------|---------------|-------------------------|----------|-------|
| 1. Murshidabad | | | | | | | |
| Ganga | 5 | 143.11 | 0.233 | - | - | 4 | 1 |
| 2. Purba Bardhaman | | | | | | | |
| Ganga | 3 | 41.1 | 3.42 | - | - | 3 | - |
| 3. Nadia | | | | | | | |
| Ganga | 4 | 34 | 0.54 | 1 | - | 3 | 1 |
| 4. Hooghly | | | | | | | |
| Ganga | 23 | 2162.56 | 24.4 | 2 | - | 16 | 7 |
| 5. North 24 Parganas | | | | | | | |
| Ganga | 28 | 564.41 | 19.27 | 7 | - | 25 | 3 |
| 6. South 24 Parganas | | | | | | | |
| Ganga | 4 | 656.58 | 1.53 | - | - | 3 | 1 |
| 7. Howrah | | | | | | | |
| Ganga | 15 | 2156.71 | 30.3 | - | - | 6 | 9 |
| 8. Kolkata | | | | | | | |
| Ganga | 12 | 1241.04 | 24.5 | - | - | 8 | 4 |
| 9. East Midnapore | | | | | | | |
| Ganga | 3 | 630.29 | 3.15 | - | - | 1 | 2 |

District wise status of additional drains monitored during 2024 discharging into river Ganga in West Bengal.

| River | Monitored Drains | Flow (MLD) | BOD Load (TPD) | Tapped Drains | Interim measure adopted | Domestic | Mixed |
|-----------------------------|------------------|------------|----------------|---------------|-------------------------|----------|-------|
| 1. Hooghly | | | | | | | |
| Ganga | 106 | 229.93 | 10.05 | 17 | - | 106 | - |
| 2. North 24 Parganas | | | | | | | |
| Ganga | 64 | 48.16 | 1.427 | - | - | 64 | - |

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District wise drains data of West Bengal (Post-Monsoon 2023)

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|------------------------------------|-----------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 1. | Jangipur Drain (Post-Chlorination) | Murshidabad | Jangipur | Domestic | Ganga | 24.465167 | 88.068945 | Untapped | Dry | - | - | - |
| 2. | Sagar Dighi WBPDCCL water project | Murshidabad | Sagardighi | Mixed | Ganga | 24.370639 | 88.14993 | Untapped | 47.69 | 0.29 | 6 | 52 |
| 3. | Azimganj | Murshidabad | Jiaganj Azimganj | Domestic | Ganga | 24.25626 | 88.24674 | Untapped | Stagnant | - | 2 | 24 |
| 4. | Nashipur Ghosh Para, Ward No-14 | Murshidabad | Lalbagh | Domestic | Ganga | 24.208402 | 88.258683 | Untapped | 0.097 | 0.004 | 39 | 80 |
| 5. | Rat tala-Gorabazar Beherampore | Murshidabad | Barahmpur | Domestic | Ganga | 24.08729 | 88.24272 | Untapped | 1.31 | 0.10 | 74 | 124 |
| 6. | Sakhai Para Ghat Drain, Katwa | Purba Bardhaman | Katwa | Domestic | Ganga | 23.655578 | 88.132418 | Untapped | 12.24 | 1.98 | 162 | 325 |
| 7. | Drain near Kasiganj, Katwa | Purba Bardhaman | Katwa | Domestic | Ganga | 23.646191 | 88.140934 | Untapped | 1.41 | 0.19 | 135 | 270 |
| 8. | Sukanta Palli High Drain, Katwa | Purba Bardhaman | Katwa | Domestic | Ganga | 23.6414 | 88.147198 | Untapped | 6.75 | 0.34 | 51 | 151 |

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| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---------------------------------|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 9. | Goshpara drain, Nabadwip | Nadia | Nabadwip | Domestic | Ganga | 23.39382 | 88.36983 | Tapped | - | - | - | - |
| 10. | Raninagar - Chakdha | Nadia | Chakdha | Mixed | Ganga | 23.077807 | 88.502432 | Untapped | 1.67 | 0.01 | 8 | 24 |
| 11. | Majher Char Khal, Kalyani | Nadia | Kalyani | Domestic | Ganga | 22.97413 | 88.40998 | Untapped | 24.19 | 0.60 | 25 | 81 |
| 12. | Bagher Khal, (fodder Khal) | Nadia | Kanchrapara | Domestic | Ganga | 22.95569 | 88.42405 | Untapped | 28.92 | 0.20 | 7 | 35 |
| 13. | ITC Tribeni Drain, Hooghly | Hooghly | Triveni | Mixed | Ganga | 23.00394 | 88.41091 | Untapped | FCM (Underground drain) | - | 3 | 35 |
| 14. | BTPS Out fall Drain -I, Hooghly | Hooghly | Triveni | Domestic | Ganga | 22.99766 | 88.40647 | Untapped | 27.84 | 0.06 | 2 | 12 |
| 15. | Dhopa Ghat Drain, Hooghly | Hooghly | Bansberia | Domestic | Ganga | 22.9534 | 88.4054 | Untapped | 4.15 | 0.03 | 7 | 39 |
| 16. | Rosbara khal, Hooghly | Hooghly | Chinsurah, Bandel | Domestic | Ganga | 22.91853 | 88.39595 | Untapped | 32.22 | 0.29 | 9 | 47 |
| 17. | Chandni Ghat Drain, Chinsurah | Hooghly | Chinsurah | Domestic | Ganga | 22.9126 | 88.3984 | Untapped | 29.16 | 0.26 | 9 | 19 |
| 18. | Imambara Khal | Hooghly | Chinsurah | Domestic | Ganga | 22.9089 | 88.40082 | Untapped | 6.91 | 0.15 | 21 | 39 |

41523

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 19. | Chinsurah – Majir Rasta Drain | Hooghly | Chinsurah | Domestic | Ganga | 22.8764 | 88.3912 | Untapped | 58.32 | 0.58 | 10 | 27 |
| 20. | Drain at Tamil para ferry ghat, Chinsura | Hooghly | Chinsurah | Domestic | Ganga | 22.90004 | 88.40383 | Untapped | FCM (lean flow) | - | - | - |
| 21. | Sarishapara | Hooghly | Chandannagar | Domestic | Ganga | 22.86825 | 88.38041 | Untapped | 2.56 | 0.11 | 42 | 74 |
| 22. | Chandannagar Drain | Hooghly | Chandannagar | Domestic | Ganga | 22.85692 | 88.36997 | Untapped | FCM (Slope) | - | 15 | 102 |
| 23. | Drain at Akhash Ganga ghat, Chandannagar | Hooghly | Chandannagar | Domestic | Ganga | 22.84796 | 88.36982 | Partially tapped | 4.75 | 0.02 | 5 | 33 |
| 24. | Gondal Para | Hooghly | Chandannagar | Mixed | Ganga | 22.83642 | 88.37401 | Untapped | 55.3 | 3.98 | 72 | 220 |
| 25. | Telini para drain | Hooghly | Bhadreswar | Mixed | Ganga | 22.834497 | 88.37372 | Untapped | 5.9 | 0.37 | 63 | 163 |
| 26. | DVC Canal | Hooghly | Chandannagar | Mixed | Ganga | 22.80728 | 88.35149 | Untapped | 202.13 | 4.85 | 24 | 102 |
| 27. | Chandannagar Ferry Ghat/Paolghat drain | Hooghly | Baidyabati, Chandannagar | Mixed | Ganga | 22.79976 | 88.3494 | Untapped | 2.41 | 0.06 | 26 | 53 |
| 28. | Baidyabati Drain | Hooghly | Seoraphuli and Baidyabati | Domestic | Ganga | 22.78062 | 88.32889 | Untapped | 69.92 | 1.12 | 16 | 65 |

41524

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|------------------------------|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 29. | Chatra Khal, Serampore | Hooghly | Serampore | Domestic | Ganga | 22.75803 | 88.34134 | Untapped | 71 | 1.70 | 24 | 65 |
| 30. | Serampore/Bhagirathi Drain | Hooghly | Serampore | Domestic | Ganga | 22.74373 | 88.35582 | Untapped | 12.3 | 0.12 | 10 | 33 |
| 31. | Rishra burning ghat | Hooghly | Rishra | Domestic | Ganga | 22.72086 | 88.3553 | Untapped | 4.21 | 0.15 | 35 | 122 |
| 32. | Drain at Panchu dutta ghat | Hooghly | Konnagar | Domestic | Ganga | 22.69456 | 88.360697 | Untapped | 0.8 | 0.02 | 31 | 106 |
| 33. | Bagh Khal, Rishra & Konnagar | Hooghly | Konnagar and Rishra | Mixed | Ganga | 22.71415 | 88.3556 | Untapped | 62.2 | 6.34 | 102 | 240 |
| 34. | Hastings Ghat Drain, Rishra | Hooghly | Rishra | Domestic | Ganga | 22.72415 | 88.3556 | Untapped | 27.77 | 2.83 | 102 | 282 |
| 35. | Bally Khal, Bally | Hooghly | Howrah | Mixed | Ganga | 22.655 | 88.3475 | Untapped | 934.5 | 2.80 | 3 | 16 |
| 36. | Dewangazi Drain, Bally | Hooghly | Bally | Domestic | Ganga | 22.64285 | 88.35273 | Untapped | 2.3 | 0.07 | 32 | 134 |
| 37. | New Bagher khal | North 24 Paragnas | Kanchrapara | Domestic | Ganga | 22.94278 | 88.41389 | Untapped | 5.44 | 0.03 | 6 | 27 |
| 38. | Halisahar Drain | North 24 Paragnas | Halisahar | Domestic | Ganga | 22.92813 | 88.411 | Untapped | 36.2 | 0.51 | 14 | 38 |

41525

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|---|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 39. | Drain at Halisahar municipality | North 24 Paragnas | Halisahar | Domestic | Ganga | 22.939304 | 88.41429 | Untapped | 3.5 | 0.03 | 8 | 27 |
| 40. | Gariffa Drain (North) | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90854 | 88.40619 | Untapped | 16.96 | 0.56 | 33 | 98 |
| 41. | Gariffa Drain (South)/Ramghat Drain-Open Pucca Drain | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90646 | 88.40684 | Untapped | 69 | 2.76 | 40 | 147 |
| 42. | Drain at Dadu Ram ghat, Naihati | North 24 Paragnas | Naihati | Domestic | Ganga | 22.91048 | 88.40448 | Untapped | FCM (inaccessible location and solid waste choking) | - | - | - |
| 43. | Drain at Ramghat Naihati | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90292 | 88.40735 | Untapped | 8.6 | 0.65 | 75 | 242 |
| 44. | Thannar Khal, Naihati | North 24 Paragnas | Naihati | Domestic | Ganga | 22.89327 | 88.41222 | Partially tapped | 10.44 | 0.51 | 49 | 131 |
| 45. | Alliance Jute Mill Drain | North 24 Paragnas | Jagaddal | Domestic | Ganga | 22.85841 | 88.37459 | Partially tapped | 14.44 | 1.50 | 104 | 215 |
| 46. | Drain between Pratapnagar & Rajbari, Jagatdal | North 24 Paragnas | Jagaddal | Domestic | Ganga | 22.84406 | 88.3785 | Untapped | 8.64 | 0.59 | 68 | 164 |

41526

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 47. | Bhatpara open pucca drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.88022 | 88.41327 | Untapped | 92.73 | 5.56 | 60 | 173 |
| 48. | Bhatpara Drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.87106 | 88.39912 | Untapped | 4.88 | 0.70 | 143 | 369 |
| 49. | Authpur (Sastrinagar) | North 24 Parganas | Shastrinagar and Bhatpara | Domestic | Ganga | 22.83986 | 88.37851 | Untapped | 2.16 | 0.13 | 59 | 224 |
| 50. | Debitala panca khal | North 24 Parganas | Ichapur | Domestic | Ganga | 22.81555 | 88.36009 | Partially tapped | 45.03 | 2.70 | 60 | 124 |
| 51. | Ichapur Khal | North 24 Parganas | Ichapur | Domestic | Ganga | 22.8067 | 88.35993 | Untapped | 380.9 | 3.05 | 8 | 14 |
| 52. | Monirampore -Barrackpore | North 24 Parganas | Barrackpore | Domestic | Ganga | 22.77543 | 88.33408 | Untapped | 12.29 | 0.01 | 1 | 8 |
| 53. | Balughat, Manirampore, Pucca drain, Barrackpore | North 24 Parganas | Barrackpore | Domestic | Ganga | 22.77235 | 88.33602 | Untapped | 4.044 | 0.15 | 37 | 63 |
| 54. | Barrackpore Drain (SP Bungalow) | North 24 Parganas | Barrackpore | Domestic | Ganga | 22.769605 | 88.34048 | Untapped | 11.85 | 1.60 | 135 | 238 |
| 55. | Dhobi Ghat Drain, Barrackpore | North 24 Parganas | Barrackpore | Domestic | Ganga | 22.765 | 88.345294 | Untapped | 0.93 | 0.002 | 2 | 16 |
| 56. | Barrackpore (adjacent to Ramakrishana Mission) | North 24 Parganas | Barrackpore | Domestic | Ganga | 22.76318 | 88.34838 | Untapped | 16.59 | 0.17 | 10 | 20 |

41527

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 57. | Gandhi ghat Drain @ South gate-1, Barrackpore | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.75104 | 88.36564 | Partially tapped | 3.61 | 0.01 | 3.42 | 12 |
| 58. | Talpukur | North 24 Paragnas | Titagarh | Mixed | Ganga | 22.7479 | 88.3675 | Partially tapped | 6.84 | 0.10 | 15.25 | 47 |
| 59. | Titagarh Drain @ Bishal laxmi Ghat | North 24 Paragnas | Titagarh | Domestic | Ganga | 22.73362 | 88.3634 | Partially tapped | 30.51 | 1.37 | 45 | 130 |
| 60. | Khardha Khal, Khardha | North 24 Paragnas | Khardha | Mixed | Ganga | 22.72584 | 88.36615 | Untapped | 31.74 | 1.24 | 39 | 100 |
| 61. | Drain near PB Ghat @ Kamarhati | North 24 Paragnas | Kamarhati | Domestic | Ganga | 22.68417 | 88.36611 | Partially Tapped | 1.61 | 0.13 | 82 | 123 |
| 62. | Kamarhati Drain @ Jute Mill, Kamarhati | North 24 Paragnas | Kamarhati | Mixed | Ganga | 22.67542 | 88.36525 | Untapped | 57.31 | 9.17 | 160 | 258 |
| 63. | Dakshineswar -Alambazar | North 24 Paragnas | Dakshin Raypur | Domestic | Ganga | 22.65231 | 88.35965 | Untapped | 59.53 | 3.45 | 58 | 85 |
| 64. | Baranagar/Kut highat Khal | North 24 Paragnas | Kolkata | Domestic | Ganga | 22.63668 | 88.36292 | Untapped | FCM (closed pipeline) | - | 44 | 159 |
| 65. | Dakshineswar ferry ghat drain, Dakshineswar | Kolkata | Kolkata | Domestic | Ganga | 22.6537 | 88.3574 | Untapped | FCM (closed pipeline) | - | 22 | 82 |

41528

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 66. | Tolly Nullah (Adi Ganga) | Kolkata | Kolkata | Domestic | Ganga | 22.5495 | 88.32508 | Untapped | 374.5 | 11.24 | 30 | 98 |
| 67. | Dhanketikhhal, Garden Reach | Kolkata | Kolkata | Mixed | Ganga | 22.54789 | 88.289164 | Untapped | 103.6 | 11.60 | 112 | 286 |
| 68. | Kanchantala -I | Kolkata | Kolkata | Domestic | Ganga | 22.54732 | 88.24497 | Untapped | 10.3 | 0.155 | 15 | 90 |
| 69. | Kanchantala-II | Kolkata | Kolkata | Mixed | Ganga | 22.54524 | 88.2455 | Untapped | 13.69 | 0.07 | 5 | 28 |
| 70. | Kanchantala-III | Kolkata | Kolkata | Domestic | Ganga | 22.54108 | 88.24483 | Untapped | FCM (inaccessible location) | - | - | - |
| 71. | Cossipore Khal | Kolkata | Kolkata | Domestic | Ganga | 22.61338 | 88.36859 | Untapped | 106.92 | 4.28 | 40 | 106 |
| 72. | Chitpur Ghat khal | Kolkata | Kolkata | Domestic | Ganga | 22.60698 | 88.36992 | Untapped | 682 | 9.55 | 14 | 45 |
| 73. | Nimtala Burning Ghat Drain | Kolkata | Kolkata | Domestic | Ganga | 22.56474 | 88.24211 | Untapped | FCM (lean flow) | - | 24 | 82 |
| 74. | Drain near Howrah bridge | Kolkata | Kolkata | Domestic | Ganga | 22.58773 | 88.34976 | Untapped | FCM (Closed) | - | | |
| 75. | Munikali Khal (formerly Drain @ Akhra Food ghar) | Kolkata | Kolkata | Domestic | Ganga | 22.5287 | 88.24777 | Untapped | 181.87 | 8.55 | 47 | 187 |

41529

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 76. | Muni Khali Khal (Akhra Ferry Ghat) | Kolkata | Maheshtala | Domestic | Ganga | 22.52393 | 88.24772 | Untapped | 11.06 | 0.02 | 2 | 12 |
| 77. | Jagannath Drain-I, Belur | Howrah | Howrah | Domestic | Ganga | 22.61972 | 88.36097 | Untapped | 12.1 | 1.04 | 86 | 228 |
| 78. | Telkal Ghat drain, Howrah | Howrah | Howrah | Mixed | Ganga | 22.5764 | 88.34014 | Untapped | 41.66 | 2.87 | 69 | 165 |
| 79. | Ramkrishna Mullick Ghat, Howrah | Howrah | Howrah | Mixed | Ganga | 22.57308 | 88.33697 | Untapped | 1.63 | 0.051 | 31 | 106 |
| 80. | 130-Foreshore Road Drain, Howrah | Howrah | Howrah | Mixed | Ganga | 22.57117 | 88.33516 | Untapped | 85.53 | 10.52 | 123 | 333 |
| 81. | 101, Foreshore Road Drain, Howrah | Howrah | Howrah | Mixed | Ganga | 22.56209 | 88.32722 | Untapped | 7.84 | 0.75 | 96 | 243 |
| 82. | Shibpur Burning Ghat, Howrah – Shibpur | Howrah | Howrah | Mixed | Ganga | 22.56069 | 88.32582 | Untapped | 3.6 | 0.60 | 168 | 431 |
| 83. | Botanical Garden -I, Kolkata | Howrah | Howrah | Domestic | Ganga | 22.55179 | 88.3096 | Untapped | 15.12 | 0.36 | 24 | 83 |

41530

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 84. | Botanical Garden -II, Kolkata | Howrah | Howrah | Domestic | Ganga | 22.55408 | 88.30014 | Untapped | 6.05 | 0.17 | 28 | 87 |
| 85. | Nazerganj Khal | Howrah | Howrah | Mixed | Ganga | 22.55879 | 88.27796 | Untapped | 442.3 | 13.71 | 31 | 99 |
| 86. | NC Paul Khal | Howrah | Howrah | Mixed | Ganga | 22.56604 | 88.24495 | Untapped | 7.78 | 0.33 | 42 | 195 |
| 87. | Saraswati Khal, Sankrail | Howrah | Sankrail | Mixed | Ganga | 22.56249 | 88.22973 | Untapped | 11.95 | 0.19 | 16 | 79 |
| 88. | Singhi More Khal | Howrah | Sankrail | Domestic | Ganga | 22.54152 | 88.22868 | Untapped | Stagnant | - | 12 | 50 |
| 89. | Sankrail, near Manikpur ferry ghat | Howrah | Sankrail | Domestic | Ganga | 22.53036 | 88.23808 | Untapped | Dry | - | - | - |
| 90. | Drain @ Bazarpara, Garighat Sharenga Khal | Howrah | Sankrail | Mixed | Ganga | 22.52119 | 88.20679 | Untapped | 534.6 | 22.45 | 42 | 129 |
| 91. | Chakmadhu, Nalpur near Bauria ferry ghat | Howrah | Bauria | Domestic | Ganga | 22.49903 | 88.18331 | Untapped | 3.05 | - | - | 12 |
| 92. | Chakashi - Chengali | Howrah | Howrah | Domestic | Ganga | 22.48335 | 88.14664 | Untapped | 7.74 | - | - | 8 |
| 93. | Kalinga Nagar drain | Howrah | Uluberia | Domestic | Ganga | 22.44197 | 88.11935 | Untapped | 269.38 | - | - | 12 |

41531

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------------|-------------------------------|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 94. | Rangamati More | Howrah | Uluberia | Domestic, agricultural runoff | Ganga | 22.430658 | 88.125597 | Untapped | 23.02 | 0.07 | 3 | 25 |
| 95. | Madai Hat | Howrah | Uluberia | Mixed | Ganga | 22.396402 | 88.113958 | Untapped | 32.4 | 0.45 | 14 | 79 |
| 96. | Kumar Khali | Howrah | Uluberia | Mixed | Ganga | 22.387775 | 88.10001 | Untapped | Stagnant | - | 4 | 41 |
| 97. | Garchumuk | Howrah | Uluberia | Domestic | Ganga | 22.34786 | 88.097833 | Untapped | Dry | - | - | - |
| 98. | Budge Budge -Pujali | South 24 Parganas | Kolkata | Domestic | Ganga | 22.47454 | 88.14607 | Untapped | 202.49 | 0.61 | 3 | 37 |
| 99. | Dakshin Raypur | South 24 Parganas | Dakshin Raypur | Domestic | Ganga | 22.42063 | 88.14781 | Untapped | FCM (lockgate closed) | - | 6 | 33 |
| 100. | Baratala | South 24 Parganas | Baratala | Domestic | Ganga | 22.39593 | 88.13789 | Untapped | FCM (lockgate closed) | - | 3 | 29 |
| 101. | Falta -III | South 24 Parganas | Diamond Harbour | Mixed | Ganga | 22.24267 | 88.08743 | Untapped | 44.58 | 0.13 | 3 | 33 |
| 102. | Drain at Begunberia Harakhali | East Midnapore | Haldia | Domestic | Ganga | 22.12954 | 88.16326 | Untapped | 100.78 | 1.11 | 11 | 47 |
| 103. | Green belt canal | East Midnapore | Haldia | Mixed | Ganga | 22.05693 | 88.1401 | Untapped | 197.49 | 7.90 | 40 | 217 |
| 104. | Jhikhurkhali drain | East Midnapore | Haldia | Mixed | Ganga | 22.09451 | 88.18582 | Untapped | 19.35 | 0.097 | 5 | 47 |
| Total | | | | | | | | | 6231.08 | 175.23 | | |

FCM= Flow could not be measured

41532

District wise drains data of West Bengal (Pre-Monsoon 2024)

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|-----------------------------------|-----------------|---------------------------------|--|---------------------|-------------------|-----------|-------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 1. | Jangipur Drain | Murshidabad | Jangipur | Domestic | Ganga | 24.465167 | 88.068945 | Untapped | FCM (Negligible flow) | - | - | - |
| 2. | Sagar Dighi WBPDCCL water project | Murshidabad | Sagardighi | Mixed | Ganga | 24.370639 | 88.14993 | Untapped | 142 | 0.142 | 1 | 8 |
| 3. | Azimganj | Murshidabad | Jiaganj Azimganj | Domestic | Ganga | 24.256887 | 88.246982 | Untapped | Dry | - | - | - |
| 4. | Nashipur Ghosh Para, Ward No-14 | Murshidabad | Lalbagh | Domestic | Ganga | 24.208402 | 88.258683 | Untapped | FCM (dry) | - | - | - |
| 5. | Rattala-Gorabazar Beherampore | Murshidabad | Beherampur | Domestic | Ganga | 24.087294 | 88.242723 | Untapped | 1.11 | 0.09 | 82 | 217 |
| 6. | Sakhai Para Ghat Drain | Purba Bardhaman | Katwa | Domestic | Ganga | 23.655578 | 88.132418 | Untapped | 23.6 | 2.27 | 96 | 212 |
| 7. | Drain near Kasiganj | Purba Bardhaman | Katwa | Domestic | Ganga | 23.646191 | 88.140934 | Untapped | 11.7 | 0.91 | 78 | 188 |
| 8. | Sukanta Palli High Drain | Purba Bardhaman | Katwa | Domestic | Ganga | 23.641400 | 88.147198 | Untapped | 5.8 | 0.24 | 42 | 84 |
| 9. | Goshpara drain | Nadia | Nabadwip | Domestic | Ganga | 23.39382 | 88.36983 | Tapped | - | - | - | - |

41533

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|-------------------------------|----------|---------------------------------|--|---------------------|-------------------|-----------|-------------------------|-------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 10. | Raninagar - Chakdha | Nadia | Nadia | Mixed | Ganga | 23.077807 | 88.502432 | Untapped | 7.2 | 0.08 | 11 | 48 |
| 11. | Majher Char Khal, Kalyani | Nadia | Kalyani, Nadia | Domestic | Ganga | 22.97414 | 88.41005 | Untapped | 16.16 | 0.36 | 22 | 56 |
| 12. | Bagher Khal, (fodder Khal) | Nadia | Kanchrapara | Domestic | Ganga | 22.95555 | 88.42396 | Untapped | 10.64 | 0.11 | 10 | 28 |
| 13. | ITC Tribeni Drain | Hooghly | Triveni | Mixed | Ganga | 23.00399 | 88.41111 | Untapped | FCM (Underground drain) | - | 8 | 21 |
| 14. | BTPS Out fall Drain –I | Hooghly | Triveni | Domestic | Ganga | 22.99881 | 88.4041 | Untapped | 5.95 | 0.05 | 8.67 | 25 |
| 15. | Dhopa Ghat Drain | Hooghly | Bansberia | Domestic | Ganga | 22.95324 | 88.40563 | Untapped | 0.97 | 0.01 | 10 | 28 |
| 16. | Rosbara khal, Hooghly | Hooghly | Chinsurah, Bandel | Domestic | Ganga | 22.91832 | 88.39703 | Untapped | 27.48 | 0.47 | 17 | 39 |
| 17. | Chandni Ghat Drain, Chinsurah | Hooghly | Chinsurah | Domestic | Ganga | 22.912834 | 88.398340 | Untapped | 20.62 | 0.41 | 20 | 56 |
| 18. | Imambara Khal | Hooghly | Chinsurah | Domestic | Ganga | 22.908904 | 88.400824 | Untapped | 9.99 | 0.22 | 22 | 80 |
| 19. | Chinsurah – Majir Rasta Drain | Hooghly | Chinsurah | Domestic | Ganga | 22.8764 | 88.3912 | Untapped | 40.68 | 0.89 | 22 | 76 |

41534

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|------------------------------------|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 20. | Drain at Tamil para ferry ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.899916 | 88.404091 | Untapped | FCM (Negligible flow) | - | - | - |
| 21. | Sarishapara | Hooghly | Chandannagar | Domestic | Ganga | 22.869342 | 88.378972 | Untapped | 2.06 | 0.058 | 28 | 100 |
| 22. | Chandannagar Drain | Hooghly | Chandannagar | Domestic | Ganga | 22.856883 | 88.370004 | Partially tapped | FCM (due to slope) | - | 14 | 32 |
| 23. | Drain at Akhash Ganga ghat, | Hooghly | Chandannagar | Domestic | Ganga | 22.847855 | 88.369652 | Partially tapped | 12.5 | 0.075 | 6 | 28 |
| 24. | Gondal Para | Hooghly | Chandannagar | Mixed | Ganga | 22.836700 | 88.37309 | Untapped | 133.4 | 5.34 | 40 | 200 |
| 25. | Telini para drain | Hooghly | Bhadreswar | Mixed | Ganga | 22.834497 | 88.373687 | Untapped | 8.9 | 0.36 | 40 | 152 |
| 26. | DVC Canal | Hooghly | Chamdani | Mixed | Ganga | 22.807332 | 88.351688 | Untapped | 179.16 | 3.58 | 20 | 72 |
| 27. | Chamdani Ferry Ghat/Paolghat drain | Hooghly | Baidyabati, Chamdani | Mixed | Ganga | 22.799667 | 88.349304 | Untapped | 6.04 | 0.33 | 54 | 97 |
| 28. | Baidyabati Drain | Hooghly | Seoraphuli and Baidyabati | Domestic | Ganga | 22.780667 | 88.328933 | Untapped | 353.54 | 4.95 | 14 | 48 |
| 29. | Chatra Khal, Serampore | Hooghly | Serampore | Domestic | Ganga | 22.757975 | 88.341368 | Untapped | 41.3 | 1.32 | 32 | 69 |
| 30. | Serampore/Bhagirathi Drain | Hooghly | Serampore | Domestic | Ganga | 22.743733 | 88.35609 | Untapped | 18.9 | 0.26 | 14 | 44 |

41535

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-------------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 31. | Hastings Ghat Drain, Rishra | Hooghly | Rishra | Domestic | Ganga | 22.72415 | 88.355545 | Untapped | 34.31 | 2.16 | 63 | 169 |
| 32. | Rishra burning ghat | Hooghly | Rishra | Domestic | Ganga | 22.72096 | 88.35526 | Untapped | FCM (unapproachable location) | - | 44 | 124 |
| 33. | Drain at Panchu dutta ghat | Hooghly | Konnagar | Domestic | Ganga | 22.69465 | 88.36017 | Untapped | 4.85 | 0.08 | 17 | 48 |
| 34. | Bagh Khal, Rishra & Konnagar | Hooghly | Konnagar and Rishra | Mixed | Ganga | 22.71376 | 88.35599 | Untapped | 91.48 | 2.65 | 29 | 68 |
| 35. | Bally Khal, Bally | Hooghly | Howrah | Mixed | Ganga | 22.65495 | 88.34753 | Untapped | 1170.43 | 1.17 | 1 | 8 |
| 36. | New Bagher khal | North 24 Paragnas | Kanchrapara | Domestic | Ganga | 22.94292 N | 88.41391 | Tapped | - | - | - | - |
| 37. | Halisahar Drain | North 24 Paragnas | Halisahar | Domestic | Ganga | 22.92807 | 88.41108 | Untapped | 68.58 | 1.17 | 17 | 40 |
| 38. | Drain at Halisahar municipality | North 24 Paragnas | Halisahar | Domestic | Ganga | 22.939304 | 88.414293 | Untapped | 6.76 | 0.04 | 6 | 40 |
| 39. | Gariffa Drain (North) | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90799 | 88.40557 | Untapped | 16.81 | 0.40 | 24 | 68 |
| 40. | Gariffa Drain (South)/Rama ghat Drain- | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90684 | 88.40591 | Untapped | 10.6 | 0.36 | 34 | 116 |

41536

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|--|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Open Pucca Drain | | | | | | | | | | | |
| 41. | Drain at Dadu Ram ghat | North 24 Paragnas | Naihati | Domestic | Ganga | 22.91046 | 88.4045 | Untapped | FCM (land subsided over the drain, drain broken) | - | - | - |
| 42. | Drain at Ramghat | North 24 Paragnas | Naihati | Domestic | Ganga | 22.90291 | 88.40728 | Untapped | 1.44 | 0.05 | 35 | 112 |
| 43. | Thannar Khal | North 24 Paragnas | Naihati | Domestic | Ganga | 22.893288 | 88.412174 | Partially tapped | 19.01 | 0.68 | 36 | 188 |
| 44. | Alliance Jute Mill Drain | North 24 Paragnas | Jagaddal | Domestic | Ganga | 22.857718 | 88.376438 | Partially tapped | 9.07 | 0.56 | 62 | 240 |
| 45. | Drain between Pratapnagar & Rajbari, Jagaddal | North 24 Paragnas | Jagaddal | Domestic | Ganga | 22.844054 | 88.378501 | Untapped | 7.86 | 0.90 | 114 | 361 |
| 46. | Bhatpara open pucca drain | North 24 Paragnas | Bhatpara | Domestic | Ganga | 22.880445 | 88.413470 | Untapped | 32.08 | 0.96 | 30 | 220 |
| 47. | Bhatpara Drain | North 24 Paragnas | Bhatpara | Domestic | Ganga | 22.871143 | 88.399196 | Untapped | 2.42 | 0.19 | 78 | 396 |
| 48. | Authpur (Sastrinagar) | North 24 Paragnas | Shastrinagar and Bhatpara | Domestic | Ganga | 22.83986 | 88.37851 | Untapped | FCM (Inaccessible location) | - | - | - |

41537

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 49. | Debitala panca khal | North 24 Paragnas | Ichapur | Domestic | Ganga | 22.815437 | 88.360197 | Untapped | FCM (lock gate closed) | - | 35 | 127 |
| 50. | Ichapur Khal | North 24 Paragnas | Ichapur | Domestic | Ganga | 22.804277 | 88.370612 | Untapped | 28 | 0.392 | 14 | 73 |
| 51. | Monirampore -Barrackpore | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.776457 | 88.33666 | Untapped | 15.6 | 0.17 | 11 | 38 |
| 52. | Balughat, Manirampore, Pucca drain | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.772451 | 88.336081 | Untapped | 2.8 | 0.11 | 41 | 114 |
| 53. | Barrackpore Drain (SP Bungalow) | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.769605 | 88.340480 | Untapped | 28.6 | 1.86 | 65 | 182 |
| 54. | Dhobi Ghat Drain | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.765000 | 88.345294 | Untapped | 1.1 | 0.008 | 7 | 19 |
| 55. | Barrackpore (adjacent to Ramakrishana Mission) | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.764459 | 88.349077 | Untapped | 19 | 0.19 | 10 | 38 |
| 56. | Gandhi ghat Drain @ South gate-1 | North 24 Paragnas | Barrackpore | Domestic | Ganga | 22.75104 | 88.36564 | Partially Tapped | 9.5 | 0.079 | 8.33 | 20 |
| 57. | Talpukur | North 24 Paragnas | Titagarh | Mixed | Ganga | 22.7479 | 88.3675 | Partially Tapped | 13.16 | 0.36 | 27.14 | 70 |
| 58. | Titagarh Drain @ | North 24 Paragnas | Titagarh | Domestic | Ganga | 22.73362 | 88.36340 | Partially Tapped | 3.92 | 0.08 | 21.42 | 60 |

41538

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|---|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Bishal laxmi Ghat | | | | | | | | | | | |
| 59. | Khardha Khal, Khardha | North 24 Paragnas | Khardha | Mixed | Ganga | 22.72584 | 88.36615 | Untapped | 145.98 | 5.84 | 40 | 110 |
| 60. | Drain near PB Ghat @ Kamarhati | North 24 Paragnas | Kamarhati Municipality area | Domestic | Ganga | 22.68396 | 88.3676 | Partially tapped | 4.03 | 0.12 | 31 | 100 |
| 61. | Kamarhati Drain @ Jute Mill | North 24 Paragnas | Agarpara and Kamarhati area | Mixed | Ganga | 22.68396 | 88.3676 | Untapped | 16.69 | 1.90 | 114 | 442 |
| 62. | Dakineshwar -Alambazar | North 24 Paragnas | Dakshin Raypur | Domestic | Ganga | 22.65231 | 88.35965 | Untapped | 101.4 | 2.84 | 28 | 135 |
| 63. | Baranagar/Ku thighat Khal | North 24 Paragnas | Kolkata | Domestic | Ganga | 22.636657 | 88.362840 | Untapped | FCM (Inaccessible due to the slope) | - | 94 | 252 |
| 64. | Dakshineswar ferry ghat drain, Dakshineswar | Kolkata | Kolkata | Domestic | Ganga | 22.653695 | 88.357404 | Untapped | FCM (drain underground and slope present) | - | 53 | 96 |
| 65. | Cossipore Khal | Kolkata | Kolkata | Domestic | Ganga | 22.613385 | 88.368821 | Untapped | 55.3 | 2.54 | 46 | 96 |
| 66. | Chitpur Ghat khal | Kolkata | Kolkata | Mixed | Ganga | 22.607928 | 88.368122 | Untapped | 449.3 | 2.70 | 6 | 12 |

41539

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|---------------------------------|--|---------------------|-------------------|------------|-------------------------|--------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 67. | Nimtala Burning Ghat Drain | Kolkata | Kolkata | Domestic | Ganga | 22.593659 | 88.351975 | Untapped | Dry | - | - | - |
| 68. | Drain near Howrah bridge | Kolkata | Kolkata | Domestic | Ganga | 22.587719 | 88.349758 | Untapped | FCM (Drain sealed) | - | - | - |
| 69. | Tolly Nullah (Adi Ganga) | Kolkata | Kolkata | Domestic | Ganga | 22.539309 | 88.333469 | Untapped | 483.84 | 9.68 | 20 | 77 |
| 70. | Dhanketikhali, Garden Reach | Kolkata | Kolkata | Mixed | Ganga | 22.54789 | 88.289164 | Untapped | 103.6 | 7.15 | 69 | 176 |
| 71. | Kanchantala - I | Kolkata | Kolkata | Domestic | Ganga | 22.547484 | 88.245489 | Untapped | 9.4 | 0.19 | 20 | 88 |
| 72. | Kanchantala- II | Kolkata | Kolkata | Domestic | Ganga | 22.5456621 | 88.2458138 | Untapped | 8.3 | 0.15 | 18 | 72 |
| 73. | Kanchantala- III | Kolkata | Kolkata | Domestic | Ganga | 22.54108 | 88.24483 | Untapped | FCM (dry) | - | - | - |
| 74. | Munikali Khal (formerly Drain @ Akhra Food ghar) | Kolkata | Kolkata | Mixed | Ganga | 22.528699 | 88.247776 | Untapped | 129 | 2.06 | 16 | 80 |
| 75. | Muni Khali Khal (Akhra Ferry Ghat) | Kolkata | Maheshtala | Mixed | Ganga | 22.523928 | 88.247723 | Untapped | 2.3 | 0.03 | 12 | 61 |

41540

| S. No. | Name of Drain | District | Town/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---------------------------|----------|-------------------------------|---|---------------------|-------------------|-----------|------------------------|--------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 76. | Dewangazi Drain, Bally | Howrah | Bally | Domestic | Ganga | 22.642854 | 88.352733 | Untapped | 1.3 | 0.03 | 25 | 104 |
| 77. | Telkal Ghat drain, Howrah | Howrah | Howrah | Mixed | Ganga | 22.57668 | 88.34003 | Untapped | FCM (inaccessible) | - | 79 | 165 |
| 78. | Ramkrishna Mullick Ghat, | Howrah | Howrah | Mixed | Ganga | 22.57308 | 88.33701 | Untapped | 3.1 | 0.20 | 66 | 203 |
| 79. | 130-Foreshore Road Drain | Howrah | Howrah | Mixed | Ganga | 22.57127 | 88.33511 | Untapped | 8.8 | 1.31 | 149 | 303 |
| 80. | 101, Foreshore Road Drain | Howrah | Howrah | Mixed | Ganga | 22.56202 | 88.32713 | Untapped | 4 | 0.33 | 82 | 176 |
| 81. | Shibpur Burning Ghat, | Howrah | Howrah | Mixed | Ganga | 22.56071 | 88.32585 | Untapped | 5.9 | 0.47 | 80 | 211 |
| 82. | Jagannath Drain-I, Belur | Howrah | Howrah | Domestic | Ganga | 22.619741 | 88.360975 | Untapped | 5.1 | 0.16 | 32 | 167 |
| 83. | Botanical Garden -I | Howrah | Howrah | Domestic | Ganga | 22.552399 | 88.309868 | Untapped | 8.64 | 0.14 | 16 | 49 |
| 84. | Botanical Garden -II | Howrah | Howrah | Domestic | Ganga | 22.554551 | 88.300285 | Untapped | 6.48 | 0.24 | 37 | 98 |
| 85. | Nazerganj Khal | Howrah | Howrah | Mixed | Ganga | 22.55837 | 88.277741 | Untapped | 1290 | 16.77 | 13 | 60 |
| 86. | N.C.Pal Khal | Howrah | Howrah | Mixed | Ganga | 22.558446 | 88.277713 | Untapped | 11.19 | 0.045 | 4 | 15 |

41541

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|------------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 87. | Saraswati Khal, Sankrail | Howrah | Sankrail | Mixed | Ganga | 22.56249 | 88.22973 | Untapped | 26.18 | 0.42 | 16 | 52 |
| 88. | Singhi More Khal | Howrah | Sankrail | Domestic | Ganga | 22.54152 | 88.22868 | Untapped | 6.12 | 0.03 | 5 | 24 |
| 89. | Sankrail, near Manikpur ferry ghat | Howrah | Sankrail | Domestic | Ganga | 22.53036 | 88.23808 | Untapped | Dry | - | - | - |
| 90. | Drain @ Bazarpara, Garighat Sharenga Khal | Howrah | Sankrail | Mixed | Ganga | 22.52119 | 88.20679 | Untapped | 779.9 | 10.14 | 13 | 48 |
| 91. | Budge Budge -Pujali | South 24 Paragnas | Kolkata | Domestic | Ganga | 22.474729 | 88.146439 | Untapped | 327.78 | 0.33 | 1 | 10 |
| 92. | Dakshin Raypur | South 24 Paragnas | Dakshin Raypur | Domestic | Ganga | 22.420782 | 88.148542 | Untapped | FCM (lock gate closed) | - | 7 | 40 |
| 93. | Baratala | South 24 Paragnas | Baratala | Domestic | Ganga | 22.395522 | 88.138754 | Untapped | 271.8 | 1.09 | 4 | 33 |
| 94. | Falta -III | South 24 Paragnas | Diamond Harbour | Mixed | Ganga | 22.239823 | 88.092575 | Untapped | 57 | 0.11 | 2 | 14 |
| 95. | Drain at Begunberia Harakhali | East Midnapore | Haldia | Domestic | Ganga | 22.129582 | 88.163234 | Untapped | 331.7 | 1.66 | 5 | 28 |
| 96. | Green belt canal | East Midnapore | Haldia | Mixed | Ganga | 22.062027 | 88.138452 | Untapped | 298.59 | 1.49 | 5 | 40 |

41542

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------------|--------------------|----------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|---------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 97. | Jhikhurkhali drain | East Midnapore | Haldia | Mixed | Ganga | 22.096836 | 88.181388 | Untapped | Stagnant | - | 2 | 20 |
| Total | | | | | | | | | 7629.8 | 107.33 | | |

FCM= Flow could not be measured

41543

Additional drains data of West Bengal (North 24 Parganas District)

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|-------------------------------------|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 1. | Alambazar Jute Factory | North 24 Parganas | Baranagar | Domestic | Ganga | 22.645507 | 88.359609 | Untapped | 0.15 | 0.002 | 14.4 | 40.51 |
| 2. | Abasar Park/Hara Kumar Thakur Stand | North 24 Parganas | Baranagar | Domestic | Ganga | 22.636182 | 88.362948 | Untapped | 0.864 | 0.022 | 25.09 | 92.87 |
| 3. | Balaram Sarkar Drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.876432 | 88.40778 | Untapped | 1.01 | 0.024 | 23.57 | 58 |
| 4. | Bakultala Ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.874407 | 88.405103 | Untapped | FCM (Negligible flow) | - | - | - |
| 5. | Rupdas Babu Ghat | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.874407 | 88.4042 | Untapped | FCM (Slope) | - | 20.75 | 46 |
| 6. | Old ferry Ghat | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.874407 | 88.405103 | Untapped | FCM (Negligible flow) | - | - | - |
| 7. | Rajkrishna Ghosh Ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.874407 | 88.405103 | Untapped | Dry | - | - | - |
| 8. | Old Ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.880565 | 88.410077 | Untapped | FCM (Negligible flow) | - | - | - |
| 9. | Ladies Ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.876451 | 88.407342 | Untapped | Dry | - | - | - |

41544

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|------------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 10. | Khetra Mistry Ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.8777179 | 88.4085432 | Untapped | Dry | - | - | - |
| 11. | Drain @ Babu ghat colony | North 24 Parganas | Garulia | Domestic | Ganga | 22.82477 | 88.36035 | Untapped | 0.391 | 0.005 | 14 | 34 |
| 12. | Drain @ Ratneshwar ghat road | North 24 Parganas | Garulia | Domestic | Ganga | 22.82699 | 88.37418 | Untapped | 0.863 | 0.018 | 21 | 51 |
| 13. | Drain @ Rashik lal ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.82712 | 88.36644 | Untapped | 0.1 | 0.002 | 18.5 | 42 |
| 14. | Drain @ Kangali Ghat/Old ferry ghat/Thakurbari ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.82679 | 88.36821 | Untapped | FCM (Negligible flow) | - | - | - |
| 15. | Drain @ Babu ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.82583 | 88.36091 | Untapped | 0.137 | 0.002 | 14.33 | 38 |
| 16. | Temple Road drain | North 24 Parganas | Khardah | Domestic | Ganga | 22.72557 | 88.362209 | Untapped | Stagnant | - | - | - |
| 17. | Malatuli | North 24 Parganas | Khardah | Domestic | Ganga | 22.72489 | 88.36236 | Untapped | Stagnant | - | - | - |
| 18. | Tilar Bagan Pump-house drain/ R N Banerjee road Gadadhar Ashram | North 24 Parganas | Khardah | Domestic | Ganga | 22.7241 | 88.36254 | Untapped | 1.79 | 0.05 | 26.79 | 70 |

41545

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 19. | Shyam Sundar ghat/ Ferry ghat drain | North 24 Parganas | Khardah | Domestic | Ganga | 22.72252 | 88.36321 | Untapped | 0.93 | 0.01 | 14.8 | 36 |
| 20. | Balaknath tola drain, Bhattacharjee Para Road | North 24 Parganas | Khardah | Domestic | Ganga | 22.72089 | 88.36361 | Untapped | Dry | - | - | - |
| 21. | Rashmancha, Near Rashkhola Ghat-1, Ward no-17 | North 24 Parganas | Khardah | Domestic | Ganga | 22.7209 | 88.36354 | Untapped | FCM (Negligible flow) | - | - | - |
| 22. | Near Raskhola Ghat-2 | North 24 Parganas | Khardah | Domestic | Ganga | 22.7213 | 88.36334 | Untapped | FCM (Negligible flow) | - | - | - |
| 23. | Camp Ghat, Sarada Math, Ward no-22 | North 24 Parganas | Khardah | Domestic | Ganga | NA | NA | Untapped | Dry | - | - | - |
| 24. | Camp Ghat 2 (Narasingha Dutta, Ghat Road), Ward No-22 | North 24 Parganas | Khardah | Domestic | Ganga | NA | NA | Untapped | Stagnant | - | - | - |
| 25. | Kathia Baba Ashram | North 24 Parganas | Khardah | Domestic | Ganga | 22.7126 | 88.36487 | Untapped | FCM (Negligible flow) | - | - | - |

41546

| S. No. | Name of Drain | District | Town/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|-----------------------------------|-------------------|-------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 26. | Modhu Roy Ghat | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.665551 | 88.357735 | Untapped | FCM (Negligible flow) | - | - | - |
| 27. | Phari Ghat drain | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.664773 | 88.357399 | Untapped | FCM (Underground) | - | - | - |
| 28. | D D Mondal Ghat Drain | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.660976 | 88.356875 | Untapped | FCM (Negligible flow) | - | - | - |
| 29. | Wimco Ghat Pump House drain | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.65984 | 88.356758 | Untapped | FCM (Underground) | - | 7.8 | 18 |
| 30. | Drain at Debitala Road, by lane-1 | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.811997 | 88.359884 | Untapped | FCM (Negligible flow) | - | - | - |
| 31. | Drain at Gazitala Ghat | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.79975 | 88.358111 | Untapped | FCM (Negligible flow) | - | - | - |
| 32. | Drain at Mondal Ghat | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.796465 | 88.356537 | Untapped | 5.08 | 0.06 | 12 | 27 |
| 33. | Drain at Biswas Ghat | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.798101 | 88.35751 | Untapped | 3.23 | 0.03 | 9.5 | 22 |
| 34. | Girish Ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.82411 | 88.35963 | Untapped | 1.38 | 0.024 | 18 | 42 |
| 35. | Siddheswari Ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.822982 | 88.359246 | Untapped | 0.424 | 0.005 | 13.4 | 35 |

41547

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|-------------------|---------------------------------|--|---------------------|-------------------|-----------|-------------------------|-----------------------|-------------------------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 36. | Siddheswari Ghat (Near Kalyan Pally) | North 24 Parganas | Garulia | Domestic | Ganga | 22.822581 | 88.358804 | Untapped | 0.8 | 0.028 | 35 | 90 |
| 37. | Old burning Ghat | North 24 Parganas | Garulia | Domestic | Ganga | 22.820857 | 88.360303 | Untapped | Stagnant | - | - | - |
| 38. | Drain at Nawabgonj Burning Ghat | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.794851 | 88.355218 | Untapped | FCM (Negligible flow) | - | - | - |
| 39. | Drain at Nawabgonj Ferry Ghat | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.798851 | 88.357736 | Untapped | FCM (Negligible flow) | - | - | - |
| 40. | Drain at Ghatak Para (near pay and use toilet) | North 24 Parganas | North Barrackpore | Domestic | Ganga | 22.77645 | 88.336664 | Untapped | 6.91 | 0.07 | 9.67 | 23 |
| 41. | Gangadhar Smriti Sarani Ghat | North 24 Parganas | Halisahar | Domestic | Ganga | 22.919572 | 88.40456 | Untapped | 4.22 | 0.20 | 47.5 | 120 |
| 42. | I.P.P. Ltd (Inside) | North 24 Parganas | Halisahar | Domestic | Ganga | 22.917165 | 88.404252 | Untapped | Dry | - | - | - |
| 43. | Hukum Chand Jute Mill (Inside) | North 24 Parganas | Halisahar | Domestic | Ganga | 22.923011 | 88.407169 | Untapped | FCM (Underground) | - | 31.25 | 80 |
| 44. | Anglo India Ghat Drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.866912 | 88.38801 | Untapped | 0.15 | No sampling (negligible flow) | | |

41548

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|-------------------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 45. | Pal ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.86366 | 88.38065 | Untapped | 5.12 | 0.28 | 53.75 | 137.2 |
| 46. | Tindal ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.85144 | 88.3755 | Untapped | 0.67 | 0.011 | 16.8 | 35 |
| 47. | Hara Ghosh ghat drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.846487 | 88.375266 | Untapped | 0.45 | 0.005 | 10.83 | 23.71 |
| 48. | Char Mandir Ghat | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.670684 | 88.360356 | Untapped | 5.184 | 0.52 | 100 | 245 |
| 49. | S.C.B.M Ghat | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.668966 | 88.359199 | Untapped | FCM (Slope) | - | 12.33 | 28.65 |
| 50. | Ariadaha Patbari Ghat | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.668116 | 88.358771 | Untapped | FCM (inaccessible) | - | - | - |
| 51. | Ariadaha Ferry Ghat | North 24 Parganas | Kamarhati | Domestic | Ganga | 22.666696 | 88.358323 | Untapped | 1.81 | 0.017 | 9.5 | 25.69 |
| 52. | Mahotsavtala Ghat (Raja Ram Chand Ghat Road) | North 24 Parganas | Panihati | Domestic | Ganga | 22.69638 | 88.366041 | Untapped | FCM (Negligible flow) | - | - | - |
| 53. | Giribala Ghat (Haladhar Bose Road) | North 24 Parganas | Panihati | Domestic | Ganga | 2.689596 | 88.366631 | Untapped | Dry | - | - | - |
| 54. | Anandamoyee (Sadhu) Ghat (Hari Mohan Chatterjee Road) | North 24 Parganas | Panihati | Domestic | Ganga | 22.685964 | 88.355279 | Untapped | 1.4 | 0.017 | 12.17 | 27.54 |

41549

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------------|---|-------------------|---------------------------------|--|---------------------|-------------------|-----------|-------------------------|-----------------------|-------------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 55. | Samsan Ghat drain | North 24 Parganas | Panihati | Domestic | Ganga | 22.692456 | 88.366618 | Untapped | FCM (Negligible flow) | - | - | - |
| 56. | Pushan Ashram | North 24 Parganas | Halisahar | Domestic | Ganga | 22.934717 | 88.413516 | Untapped | 1.1 | 0.011 | 9.75 | 24.7 |
| 57. | Highest Picnic Spot | North 24 Parganas | Halisahar | Domestic | Ganga | 22.932108 | 88.412836 | Untapped | Stagnant | - | - | - |
| 58. | Lalkuthi | North 24 Parganas | Halisahar | Domestic | Ganga | 22.926367 | 88.409567 | Untapped | 0.933 | Sampling not done | | |
| 59. | Tranbabur Ghat drain | North 24 Parganas | Panihati | Domestic | Ganga | 22.69993 | 88.366 | Untapped | 1.08 | 0.020 | 18.5 | 49 |
| 60. | Drain in Niharika Rd near Niharika Ghat | North 24 Parganas | Panihati | Domestic | Ganga | 22.70485 | 88.36614 | Untapped | FCM (Negligible flow) | - | - | - |
| 61. | Shib Mandir Ghat | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.8369 | 88.3787 | Untapped | FCM (Negligible flow) | - | - | - |
| 62. | Abinash Sarkar Drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.831 | 88.379 | Untapped | 0.972 | Sampling not done | | |
| 63. | Kalibari Ferry Ghat | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.829 | 88.379 | Untapped | 0.414 | Sampling not done | | |
| 64. | Daktarkhanan Ghat Drain | North 24 Parganas | Bhatpara | Domestic | Ganga | 22.829 | 88.3772 | Untapped | 0.6 | Sampling not done | | |
| Total | | | | | | | | | 48.162 | 1.427 | | |

FCM= Flow could not be measured

Additional drains data of West Bengal (Hooghly District)

41550

| S. No. | Name of Drain | District | Town/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|--------------------------------|--|---------------------|-------------------|-----------|-------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 1. | Collage Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.656334 | 88.350026 | Untapped | Dry | - | - | - |
| 2. | Muktokeshi Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.657123 | 88.349966 | Untapped | 0.972 | 0.096 | 99 | 176 |
| 3. | Chatterjee Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.658883 | 88.349724 | Untapped | 1.728 | 0.062 | 36 | 106 |
| 4. | Mondir Bari Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.660667 | 88.35045 | Untapped | 12.96 | 0.40 | 31 | 82 |
| 5. | Masjid (Abanindra Nath Thakur Bagan Bari) | Hooghly | Konnagar | Domestic | Ganga | 22.69624 | 88.36021 | Untapped | Dry | - | - | - |
| 6. | Martin Harris & Co | Hooghly | Konnagar | Domestic | Ganga | 22.69889 | 88.35991 | Untapped | 0.57 | 0.04 | 69 | 161 |
| 7. | Konnagar High School | Hooghly | Konnagar | Domestic | Ganga | 22.70402 | 88.35865 | Untapped | 0.10 | 0.001 | 13 | 43 |
| 8. | Bisha laxmi Ghat | Hooghly | Konnagar | Domestic | Ganga | 22.70839 | 88.35784 | Untapped | 1.99 | 0.040 | 20 | 71 |
| 9. | Loknath Ghat | Hooghly | Konnagar | Domestic | Ganga | 22.71203 | 88.35675 | Untapped | 0.10 | 0.004 | 43 | 102 |
| 10. | Ram ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.66379 | 88.350707 | Tapped | Tapped | - | - | - |
| 11. | Doltala Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.668222 | 88.329916 | Tapped | Tapped | - | - | - |
| 12. | Shaw wallace Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.66894 | 88.351695 | Untapped | 0.47 | 0.010 | 21 | 40 |
| 13. | Baidikpara Ghat | Hooghly | Uttarpara | Domestic | Ganga | 22.683564 | 88.356671 | Untapped | 1.08 | 0.022 | 20 | 63 |

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|----------------------------|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|--------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 14. | K.C. LAHA GHAT | Hooghly | Rishra | Domestic | Ganga | 22.719443 | 88.355616 | Untapped | FCM (inaccessible) | - | - | - |
| 15. | SREEMANY GHAT | Hooghly | Rishra | Domestic | Ganga | 22.719857 | 88.355641 | Untapped | 0.029 | 0.003 | 114 | 186 |
| 16. | Satya Charan Sastri Street | Hooghly | Serampore | Domestic | Ganga | 22.73181 | 88.35769 | Untapped | 1.35 | 0.02 | 14 | 55 |
| 17. | BLC Mill Road | Hooghly | Serampore | Domestic | Ganga | 22.736161 | 88.357864 | Untapped | 1.24 | 0.10 | 81 | 154 |
| 18. | Bose Para Lane | Hooghly | Serampore | Domestic | Ganga | 22.737955 | 88.357965 | Untapped | 4.28 | 0.34 | 80 | 135 |
| 19. | Neheru Nagar Colony | Hooghly | Serampore | Domestic | Ganga | 22.739859 | 88.356983 | Untapped | 23.3 | 0.96 | 41 | 144 |
| 20. | Neheru Nagar Colony II | Hooghly | Serampore | Domestic | Ganga | 22.741074 | 88.356644 | Untapped | 15.1 | 0.77 | 51 | 160 |
| 21. | William Carry Road | Hooghly | Serampore | Domestic | Ganga | 22.752194 | 88.352754 | Untapped | 8.4 | 0.39 | 46 | 108 |
| 22. | M G Road | Hooghly | Serampore | Domestic | Ganga | 22.756712 | 88.345729 | Untapped | 18.5 | 1.33 | 72 | 192 |
| 23. | A K Dutta Sarani | Hooghly | Serampore | Domestic | Ganga | 22.762205 | 88.338321 | Untapped | Dry | - | - | - |
| 24. | A K Dutta Sarani II | Hooghly | Serampore | Domestic | Ganga | 22.762601 | 88.337899 | Untapped | 14.8 | 0.38 | 26 | 132 |
| 25. | A P Ghosh Road | Hooghly | Serampore | Domestic | Ganga | 22.769627 | 88.333247 | Untapped | 0.90 | 0.02 | 17 | 88 |
| 26. | Arabindo Sarani | Hooghly | Serampore | Domestic | Ganga | 22.769638 | 88.33327 | Untapped | 24.84 | 0.82 | 33 | 120 |
| 27. | Barin Ghosh Lane | Hooghly | Serampore | Domestic | Ganga | 22.771279 | 88.332172 | Untapped | 0.340 | 0.06 | 163 | 304 |

| S. No. | Name of Drain | District | Town/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|-------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 28. | Kanai Dewan Tala | Hooghly | Baidyabati | Domestic | Ganga | 22.771627 | 88.332236 | Untapped | Dry | - | - | - |
| 29. | Sukri Mill bylane Belting | Hooghly | Baidyabati | Domestic | Ganga | 22.772497 | 88.331775 | Untapped | FCM (Negligible flow) | - | - | - |
| 30. | Gurghat Bikash Kundu Lane | Hooghly | Baidyabati | Domestic | Ganga | 22.773811 | 88.331113 | Tapped | Tapped | - | - | - |
| 31. | Harish Road Crossing , Near Nistarini Kali Barir More | Hooghly | Baidyabati | Domestic | Ganga | 22.775069 | 88.330417 | Tapped | 1.4 | 0.063 | 45 | 120 |
| 32. | Near Sheoraphuli Fish Market | Hooghly | Baidyabati | Domestic | Ganga | 22.776212 | 88.330207 | Partially tapped | 0.17 | 0.02 | 135 | 308 |
| 33. | Sheoraphuli Ferry Ghat | Hooghly | Baidyabati | Domestic | Ganga | 22.777093 | 88.329916 | Partially tapped | 1.72 | 0.02 | 9 | 20 |
| 34. | Coal Depo , Sheoraphuli Ghat , Kumarpara Lane | Hooghly | Baidyabati | Domestic | Ganga | 22.776699 | 88.323811 | Tapped | Tapped | - | - | - |
| 35. | Beside Poddar Ghat | Hooghly | Baidyabati | Domestic | Ganga | 22.784062 | 88.330946 | Tapped | Tapped | - | - | - |
| 36. | It Bhata , Near Dr. S.N. Roy , Child Specialist Chamber | Hooghly | Baidyabati | Domestic | Ganga | 22.787065 | 88.330825 | Tapped | Tapped | - | - | - |

| S. No. | Name of Drain | District | Towns/City in Catchment/ nearby | Pollution Sources (Domestic/ Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/ Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|---------------------------------|--|---------------------|-------------------|-----------|-------------------------|------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Shubhatala Lane, | | | | | | | | | | | |
| 37. | 204 Sarat Chandra Mukherjee Road , Jora Asaththatala , Dhanmath | Hooghly | Baidyabati | Domestic | Ganga | 22.788923 | 88.335161 | Tapped | 1.24 | 0.05 | 40 | 95 |
| 38. | Gabtala Ghat , Jora Asaththatala | Hooghly | Baidyabati | Domestic | Ganga | 22.790501 | 88.335713 | Untapped | 0.74 | 0.02 | 24 | 83 |
| 39. | Rani Ghat , Jora Asaththatala | Hooghly | Baidyabati | Domestic | Ganga | 22.79085 | 88.336218 | Tapped | Tapped | - | - | - |
| 40. | Rajbanshi Para, opposite lane of Allahabad Bank Baidyabati Branch | Hooghly | Baidyabati | Domestic | Ganga | 22.79085 | 88.336218 | Untapped | 0.31 | 0.01 | 48 | 158 |
| 41. | Rajbanshipara Ghat | Hooghly | Baidyabati | Domestic | Ganga | 22.79225 | 88.338528 | Untapped | 0.10 | 0.02 | 188 | 895 |
| 42. | Baishnab Para | Hooghly | Baidyabati | Domestic | Ganga | 22.79248 | 88.338968 | Untapped | Dry | - | - | - |
| 43. | Aparupa Matri Sadan, Baidyabati | Hooghly | Baidyabati | Domestic | Ganga | 22.779798 | 88.329551 | Tapped | Tapped | - | - | - |
| 44. | Banamali High School, Surighat | Hooghly | Baidyabati | Domestic | Ganga | 22.782358 | 88.330216 | Tapped | Tapped | - | - | - |

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|-------------------------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 45. | Back side of Banamali High School | Hooghly | Baidyabati | Domestic | Ganga | 22.78126 | 88.329759 | Tapped | Tapped | - | - | - |
| 46. | Back side of Banamali High School (Freinds Union Club) | Hooghly | Baidyabati | Domestic | Ganga | 22.781243 | 88.329889 | Untapped | FCM (Negligible flow) | - | - | - |
| 47. | 1/1 Nemai Tirtha Road , Suri Ghat (Shyam Chatujje) | Hooghly | Baidyabati | Domestic | Ganga | 22.784600 | 88.33131 | Untapped | FCM (Negligible flow) | - | - | - |
| 48. | Suri Ghat | Hooghly | Baidyabati | Domestic | Ganga | 22.783749 | 88.330915 | Tapped | Tapped | - | - | - |
| 49. | Babu Ghat, G.T. Road, Bhadreswar | Hooghly | Bhadreswar | Domestic | Ganga | 22.82883 | 88.358329 | Untapped | 6.48 | 0.19 | 30 | 100 |
| 50. | Tikiya para I, Tatini Ghat, G.T. Road, Bhadreswar, | Hooghly | Bhadreswar | Domestic | Ganga | 22.827616 | 88.356804 | Untapped | 0.17 | Sampling not done (less flow) | | |
| 51. | Shivtala Ghat I, Near S.N. Jute Mill Gate Telinipara | Hooghly | Bhadreswar | Domestic | Ganga | 22.3298056 | 88.361444 | Untapped | FCM (Inaccessible) | - | - | - |
| 52. | Shivtala Ghat - II, Near Natun para, Telinipara , Bhadreswar | Hooghly | Bhadreswar | Domestic | Ganga | 22.8300833 | 88.363888 | Untapped | FCM (Inaccessible) | - | - | - |

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 53. | Kangali Ghat , Near Victoria Jute Mill Gate, Telinipara , Bhadreswar, | Hooghly | Bhadreswar | Domestic | Ganga | 22.8301111 | 88.367805 | Tapped | Tapped | - | - | - |
| 54. | Kanai Sarkar Ghat | Hooghly | Chandannagar | Domestic | Ganga | 22.86601 | 88.37733 | Untapped | 1.34 | 0.16 | 120 | 181 |
| 55. | Suri Ghat | Hooghly | Chandannagar | Domestic | Ganga | 22.86581 | 88.37678 | Untapped | 5.71 | 0.69 | 120 | 193 |
| 56. | Dhankal Ghat | Hooghly | Chandannagar | Domestic | Ganga | 22.8648 | 88.37606 | Untapped | 3.88 | 0.44 | 113 | 197 |
| 57. | Murgi Patti | Hooghly | Chandannagar | Domestic | Ganga | 22.86199 | 88.37266 | Untapped | 0.124 | 0.01 | 80 | 237 |
| 58. | Chuna Goli | Hooghly | Chandannagar | Domestic | Ganga | 22.863758 | 88.374003 | Untapped | 3.11 | 0.31 | 99 | 182 |
| 59. | Hanuman Temple | Hooghly | Chandannagar | Domestic | Ganga | 22.861361 | 88.371718 | Untapped | 6.86 | 0.36 | 52 | 115 |
| 60. | Kachari Ghat | Hooghly | Chandannagar | Domestic | Ganga | 22.846497 | 88.370471 | Untapped | 0.43 | 0.010 | 24 | 79 |
| 61. | Netaji Nagor Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.9873 | 88.40227 | Untapped | 0.29 | 0.012 | 41 | 89 |
| 62. | Bhanga Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.98549 | 88.40201 | Untapped | 0.53 | 0.008 | 16 | 31 |
| 63. | Jhautala Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.98024 | 88.40127 | Untapped | FCM (Negligible flow) | - | - | - |
| 64. | Shibpur Camp | Hooghly | Bansberia | Domestic | Ganga | 22.97602 | 88.40107 | Untapped | 2.93 | 0.056 | 19 | 39 |
| 65. | Raja Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.9732 | 88.40311 | Untapped | 0.098 | 0.002 | 21 | 59 |
| 66. | Panchanantala Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.9672208 | 88.405644 | Untapped | Dry | - | - | - |
| 67. | Rudra Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.965312 | 88.406085 | Untapped | 17.2 | 0.43 | 25 | 72 |

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---------------------------------------|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| 68. | Benia Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.961061 | 88.406489 | Untapped | 0.40 | 0.01 | 21 | 76 |
| 69. | Mahakalitala Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.9576471 | 88.405860 | Untapped | 3.1 | 0.07 | 22 | 80 |
| 70. | Teli Sarkar Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.9551801 | 88.405656 | Untapped | 0.94 | 0.04 | 45 | 100 |
| 71. | Cha Mandir Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.952342 | 88.404188 | Untapped | 0.34 | 0.001 | 3 | 12 |
| 72. | Mondal Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.949562 | 88.40337 | Untapped | 0.72 | 0.02 | 23 | 107 |
| 73. | Bakultala Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.947933 | 88.403385 | Untapped | 3.456 | 0.03 | 10 | 67 |
| 74. | Gandheswari North Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.944306 | 88.405389 | Untapped | 0.6 | 0.01 | 12 | 79 |
| 75. | Dunlop Kheya Ghat | Hooghly | Bansberia | Domestic | Ganga | 22.940916 | 88.405961 | Untapped | 0.864 | 0.03 | 36 | 111 |
| 76. | Beside Poura Plumber Swapan House | Hooghly | Chinsurah | Domestic | Ganga | 22.871896 | 88.38258 | Untapped | 2.30 | 0.09 | 39 | 175 |
| 77. | Beside Stand Road Tara Ma Lodge | Hooghly | Chinsurah | Domestic | Ganga | 22.872776 | 88.38469 | Untapped | 0.10 | 0.002 | 22 | 79 |
| 78. | Beside Stand Road Susanta Ghosh House | Hooghly | Chinsurah | Domestic | Ganga | 22.873000 | 88.385035 | Untapped | 0.33 | 0.010 | 30 | 119 |
| 79. | From Stand road Khatal | Hooghly | Chinsurah | Domestic | Ganga | 22.873177 | 87.385786 | Untapped | 0.090 | 0.009 | 105 | 349 |
| 80. | Beside Tula Patti Ghat Kali | Hooghly | Chinsurah | Domestic | Ganga | 22.873668 | 88.387028 | Untapped | FCM (Negligible flow) | - | - | - |

| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|---|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Mandir Stand road | | | | | | | | | | | |
| 81. | Tula Patti Ghat Majher rasta | Hooghly | Chinsurah | Domestic | Ganga | 22.874181 | 88.387564 | Untapped | FCM (Negligible flow) | - | - | - |
| 82. | Bagdi Gali Math Para | Hooghly | Chinsurah | Domestic | Ganga | 22.874685 | 88.388764 | Untapped | FCM (Negligible flow) | - | - | - |
| 83. | From Kushi Goli to Bagdi Goli Masjid | Hooghly | Chinsurah | Domestic | Ganga | 22.875096 | 88.389764 | Untapped | FCM (Inaccessible) | - | - | - |
| 84. | Shyam Babus Ghat Basti | Hooghly | Chinsurah | Domestic | Ganga | 22.879303 | 88.396549 | Untapped | FCM (Negligible flow) | - | - | - |
| 85. | Near Sambabur Burning Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.878766 | 88.395027 | Untapped | 0.44 | 0.02 | 40 | 209 |
| 86. | Beside Joraghat Bankim Bhawan | Hooghly | Chinsurah | Domestic | Ganga | 22.893891 | 88.404318 | Untapped | FCM (Negligible flow) | - | - | - |
| 87. | Beside Jyotish Chandra Balika Vidyalaya | Hooghly | Chinsurah | Domestic | Ganga | 22.89259 | 88.40433 | Untapped | FCM (Negligible flow) | - | - | - |
| 88. | Beside Old Ferry Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.890486 | 88.404373 | Untapped | Dry | - | - | - |
| 89. | From Barabazar to | Hooghly | Chinsurah | Domestic | Ganga | 22.888863 | 88.402622 | Untapped | 2.88 | 0.16 | 54 | 165 |

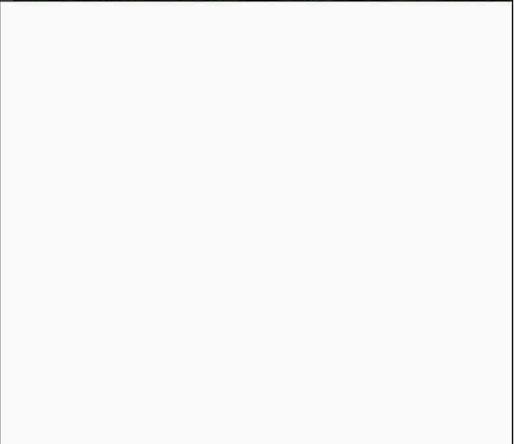
| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------|--|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|-----------------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Haru Mondal Ganga Ghat | | | | | | | | | | | |
| 90. | From Banimondir to Ghanta Ghat Mohosin College | Hooghly | Chinsurah | Domestic | Ganga | 22.883178 | 88.401246 | Untapped | 6.91 | 0.15 | 21.6 | 56 |
| 91. | Pathak Ghat Sandeswartala | Hooghly | Chinsurah | Domestic | Ganga | 22.880139 | 88.397966 | Untapped | FCM (Negligible flow) | - | - | - |
| 92. | Dutta Ghat Sandeswartala | Hooghly | Chinsurah | Domestic | Ganga | 22.880743 | 88.398867 | Untapped | FCM (Negligible flow) | - | - | - |
| 93. | Near Som Traning School Sandeswartala | Hooghly | Chinsurah | Domestic | Ganga | 22.879565 | 88.397096 | Untapped | FCM (Negligible flow) | - | - | - |
| 94. | Beside Hooghly Jail Shiv Mandir | Hooghly | Chinsurah | Domestic | Ganga | 22.90611 | 88.403043 | Untapped | 3.86 | 0.12 | 30 | 72 |
| 95. | In East position of Mallick Gas Godowon | Hooghly | Chinsurah | Domestic | Ganga | 22.904579 | 88.403274 | Untapped | FCM (Negligible flow) | - | - | - |
| 96. | Mallick Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.903583 | 88.403479 | Untapped | Dry | - | - | - |
| 97. | Beside Bakultala Burning Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.902414 | 88.403848 | Tapped | Tapped | - | - | - |
| 98. | In East position of | Hooghly | Chinsurah | Domestic | Ganga | 22.901711 | 88.40388 | Untapped | 0.86 | 0.02 | 24 | 68 |

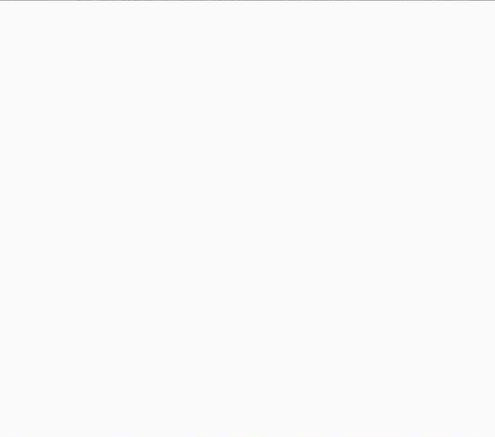
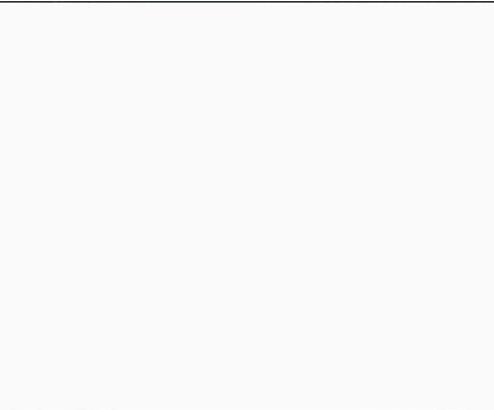
| S. No. | Name of Drain | District | Towns/City in Catchment/nearby | Pollution Sources (Domestic/Mixed/Industrial) | Confluence to River | Sampling location | | Tapped/Untapped (T/UT) | Flow (MLD) | BOD Load (TPD) | BOD (mg/l) | COD (mg/l) |
|--------------|---|----------|--------------------------------|---|---------------------|-------------------|-----------|------------------------|---------------|----------------|------------|------------|
| | | | | | | Latitude | Longitude | | | | | |
| | Ghutiya Bazar Durga Mondir | | | | | | | | | | | |
| 99. | Beside Rashmoni Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.901001 | 88.404012 | Untapped | Dry | - | - | - |
| 100. | Beside Bokultala Park | Hooghly | Chinsurah | Domestic | Ganga | 22.899194 | 88.403814 | Untapped | 1.96 | 0.071 | 36 | 100 |
| 101. | In Between Bakultala Ghat & Mayur Pankhi Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.897532 | 88.404108 | Untapped | 0.635 | 0.002 | 3 | 12 |
| 102. | Near mother dairy Rathtala | Hooghly | Chinsurah | Domestic | Ganga | 22.894904 | 88.404403 | Untapped | 1.38 | 0.037 | 27 | 80 |
| 103. | Kultala Sahaganj Main Road | Hooghly | Chinsurah | Domestic | Ganga | 22.92922 | 88.401534 | Untapped | 4.86 | 0.17 | 35 | 92 |
| 104. | Beside Sahaganj Police Phari | Hooghly | Chinsurah | Domestic | Ganga | 22.927545 | 88.39923 | Untapped | 0.33 | 0.01 | 32 | 96 |
| 105. | High Drain near Don Bosco Kumarbari | Hooghly | Chinsurah | Domestic | Ganga | 22.921828 | 88.395488 | Untapped | 2.85 | 0.08 | 27 | 56 |
| 106. | Kalitala Ghat | Hooghly | Chinsurah | Domestic | Ganga | 22.915656 | 88.397746 | Untapped | 1.84 | 0.17 | 91 | 227 |
| Total | | | | | | | | | 229.93 | 10.05 | | |

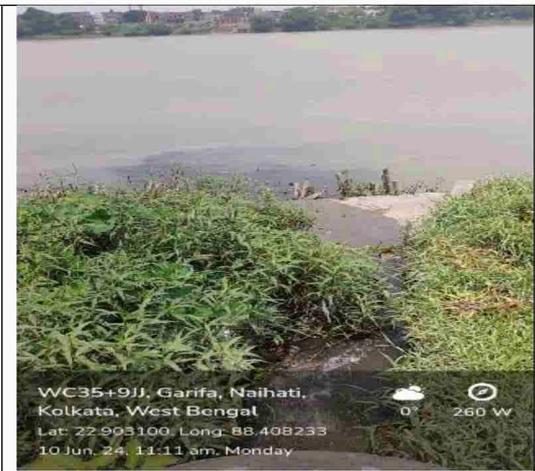
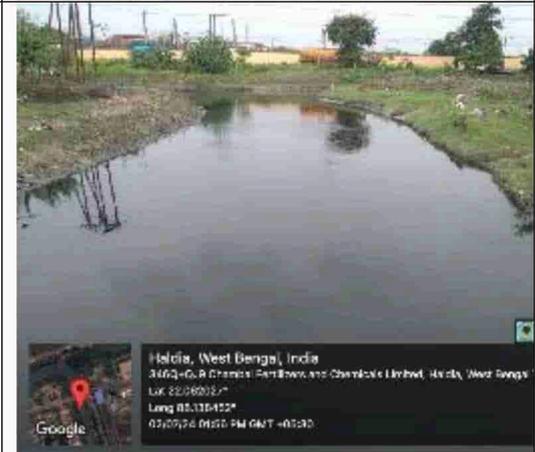
FCM= Flow could not be measured

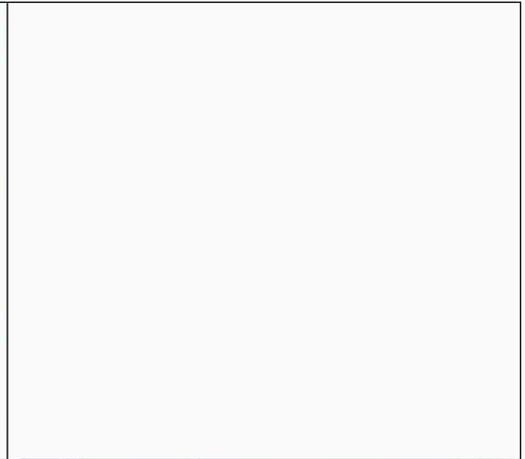
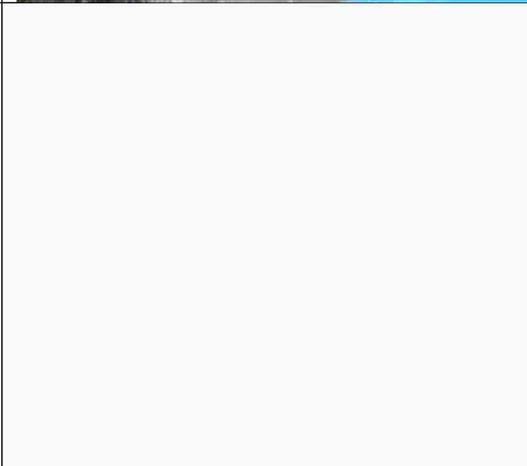
Details of drain name and photographs during Post Monsoon-2023 & Pre-monsoon 2024

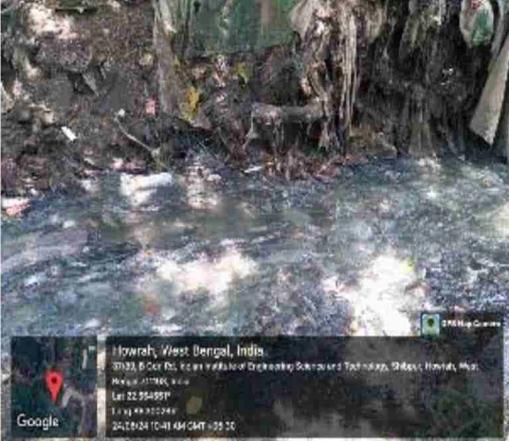
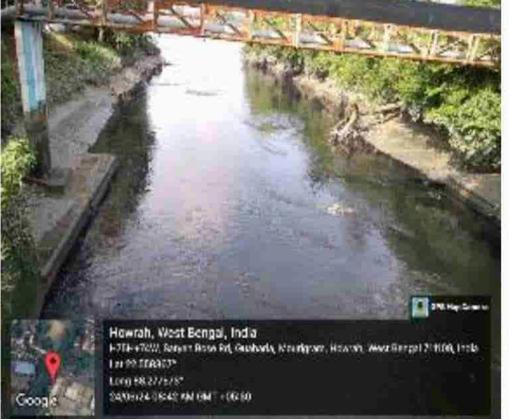
| Sl. No. | Name of Drain | Photograph of sampling/tapping point | Photograph of confluence point |
|---------|--|---|--|
| 1. | Jangipur drain, Murshidabad |  |  |
| 2. | Sagardighi WBPDCCL water project, Mushidabad |  |  |
| 3. | Rattala Gorabazar, Mushidabad |  |  |

| | | | |
|-----------|-------------------------------------|---|--|
| <p>4.</p> | <p>Sakai para Ghat drain, Katwa</p> |  |  |
| <p>5.</p> | <p>Kasiganj , Katwa</p> |  |  |
| <p>6.</p> | <p>Sukanta pally, Katwa</p> |  |  |
| <p>7.</p> | <p>Roshbara Khal, Hooghly</p> |  |  |

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| <p>8.</p> | <p>Baidyabati Drain, Baidyabati</p> |  <p>Kolkata, West Bengal, India 81, Baidyapara, Kolkata, West Bengal 712223, India Lat 22.780676° Long 88.328858° 10/06/24 12:02 PM GMT +05:30</p> |  <p>Kolkata, West Bengal, India 81, Baidyapara, Kolkata, West Bengal 712223, India Lat 22.780667° Long 88.329933° 10/06/24 12:02 PM GMT +05:30</p> |
| <p>9.</p> | <p>Hastings Ghat drain, Rishra</p> |  |  <p>Hastings, West Bengal, India 1994+M40, Bangur Park, Rishra, West Bengal 722002, India Lat 22.724158° Long 88.380024° 10/06/24 09:43 AM GMT +05:30</p> |
| <p>10.</p> | <p>Gariffa North Drain</p> |  <p>WC44+MHX, Garifa, Naihati, West Bengal 743165, India, Lat: 22.906982, Long: 88.406063 10 Jun, 24, 12:00 pm, Monday 0° 205 SW</p> |  |
| <p>11.</p> | <p>Gariffa South Drain</p> |  <p>WC44+MHX, Garifa, Naihati, West Bengal 743165, India, Lat: 22.906982, Long: 88.406063 10 Jun, 24, 11:34 am, Monday 0° 254 W</p> |  <p>WC44+MHX, Garifa, Naihati, West Bengal 743165, India, Lat: 22.906982, Long: 88.406063 10 Jun, 24, 11:34 am, Monday 0° 238 SW</p> |

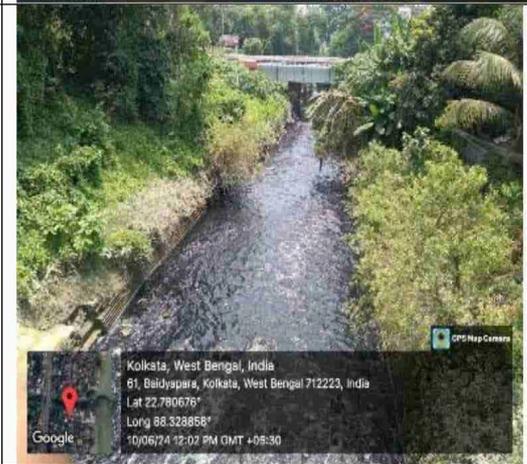
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| 12. | Ramghat Naihati |  <p>WC35+9JJ, Garifa, Naihati, Kolkata, West Bengal Lat: 22.993100, Long: 88.408233 10 Jun. 24, 11:11 am, Monday</p> | |
| 13. | Green Belt Canal drain |  <p>Haldia, West Bengal, India 346Q+6, R Chemicals Park Bldg. and Chemicals Unit Bldg., Haldia, West Bengal Lat: 22.080057° Long: 88.116422° 03/07/24 06:50 PM GMT +05:30</p> |  <p>Haldia, West Bengal, India 344B+03Q, Haldia, West Bengal, 721806, India Lat: 22.0795541° Long: 88.140069° 02/07/24 02:17 PM GMT +05:30</p> |
| 14. | Halisahar drain Halisahar |  | |
| 15. | New Bagher Drain, |  | |

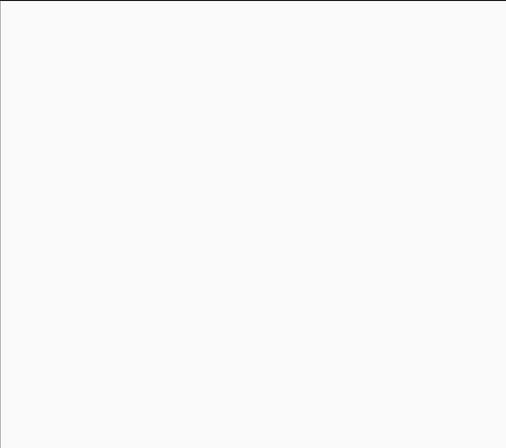
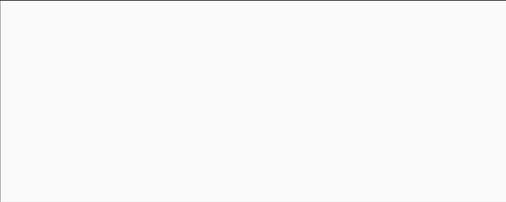
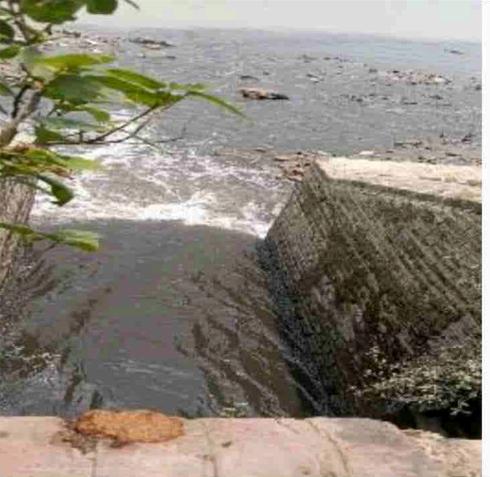
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| <p>16.</p> | <p>Chandni Ghat Chinusurah</p> |  |  |
| <p>17.</p> | <p>Imambara khal Chinusurah</p> |  |  |
| <p>18.</p> | <p>Chinsurah majer rasta drain, Chinsurah</p> |  |  |
| <p>19.</p> | <p>Tamlipara Ferry ghat Drain, chinsurah</p> |  |  |

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| <p>20.</p> | <p>Botanical Garden-1, Kolkata</p> |  | |
| <p>21.</p> | <p>Botanical Garden-2, Kolkata</p> |  |  |
| <p>22.</p> | <p>Nazerganj khal, Kolkata</p> |  |  |
| <p>23.</p> | <p>Cossipur Drain, Kolkata</p> |  |  |

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| <p>24.</p> | <p>Dewangazi Drain, Howrah</p> | | |
| <p>25.</p> | <p>Kamarhati drain@ jute mill</p> | | |
| <p>26.</p> | <p>Dakshineswar, Alambazar</p> | | |
| <p>27.</p> | <p>Balughat manirampore pucca drain, barrackpore</p> | | |

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| <p>28.</p> | <p>Barrackpore drain near SP Bungalow</p> |  <p>GPS Map Camera Lite</p> <p>254, SN Banerjee Rd, New Barrackpur, Sardar Bazar, Kolkata, Barrackpur Cantonment, West Bengal 700131, India</p> <p>Latitude: 22.76972897350788" Longitude: 88.34049976430833" Altitude: 11 meters Local: 12:49:42 PM Thursday, 30.05.2024 GMT: 07:15:42 AM</p> |  <p>GPS Map Camera Lite</p> <p>Q89Q-WCW Majumder House, Sardar Bazar, North Barrackpur, Barrackpore, West Bengal 743122, India</p> <p>Latitude: 22.769390763171491" Longitude: 88.33888063207269" Altitude: 7 meters Local: 01:19:54 PM Thursday, 30.05.2024 GMT: 07:45:55 AM</p> |
| <p>29.</p> | <p>Saraswati Khal, Sakrail</p> |  <p>H66H+RVM, Ramchandrapur, Sankrail, Howrah, West Bengal 711001, India</p> <p>Lat: 22.562164, Long: 88.229761 03 Jun, 24, 05:33 pm, Monday</p> |  |
| <p>30.</p> | <p>Sarenga Khal, Sankrail</p> |  <p>G8C4+MWB, Sarenga Ferry Ghat Rd, Sarenga, Manikpur, West Bengal 741101, India</p> <p>Lat: 22.521705, Long: 88.207325 03 Jun, 24, 03:39 pm, Monday</p> |  <p>G8C4+MWB, Sarenga Ferry Ghat Rd, Sarenga, Manikpur, West Bengal 741101, India</p> <p>Lat: 22.521705, Long: 88.207325 03 Jun, 24, 03:55 pm, Monday</p> |
| <p>31.</p> | <p>Chandannagr drain, Chandannagar</p> |  |  |

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| 32. | Drain near Aakash Ganga Ghat, Chandannagar |  |  |
| 33. | Telinipara |  |  |
| 34. | Dakshinraipur |  <small>C4CK+995, Birapur, Dakshin Raipur, West Bengal 743519, India Latitude: 22.420786° Longitude: 88.14855449° Elevation: 9.99 m Altitude: 9.99 m GMT 20 11:48 AM Thursday, 09.06.2024</small> | |
| 35. | Baidyabati drain, Baidyabati |  <small>Kolkata, West Bengal, India 81, Baidyapara, Kolkata, West Bengal 712223, India Lat 22.780676° Long 88.328858° 10/06/24 12:02 PM GMT +05:30</small> |  <small>Kolkata, West Bengal, India 81, Baidyapara, Kolkata, West Bengal 712223, India Lat 22.780667° Long 88.328833° 10/06/24 12:02 PM GMT +05:30</small> |

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| <p>36.</p> | <p>Telkal Ghat Drain, Howrah</p> |  |  |
| <p>37.</p> | <p>Ramakrishna Mullick Ghat Drain, Howrah</p> |  |  |
| <p>38.</p> | <p>130 Foreshore road drain, Howrah</p> |  |  |
| <p>39.</p> | <p>101 Foreshore road drain, Howrah</p> |  |  |

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| 40. | Tolly Nullah, Kolkata |  <p>Kolkata, West Bengal, India 37, Orpan Gang Market, Alipore, Kolkata, West Bengal 700023, India Lat 22.539266° Long 88.333358° 13/05/24 11:32 AM GMT +05:30</p> |  |
| 41. | Dhanketi khal, Kolkata |  <p>Kolkata, West Bengal, India n 139, Shyam Lal Ln, Garden Reach, Kolkata, West Bengal 700024, India Lat 22.547866° Long 88.289724° 12/05/24 10:38 AM GMT +05:30</p> |  |
| 42. | Debitala Pancha Khal |  <p>Kolkata, West Bengal, India 1077, Garulia, Kolkata, West Bengal 743123, India Lat 22.615426° Long 89.360469° 14/05/24 10:59 AM GMT +05:30</p> | |

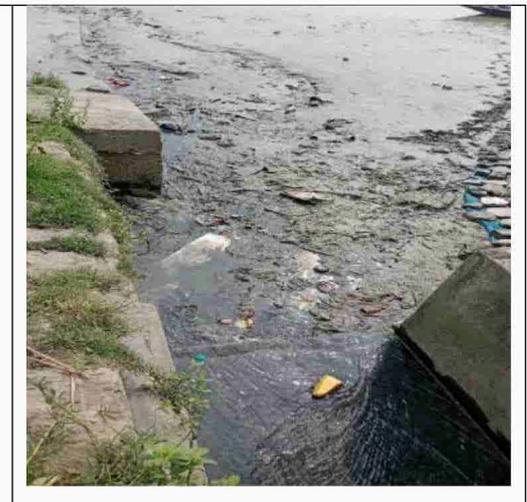
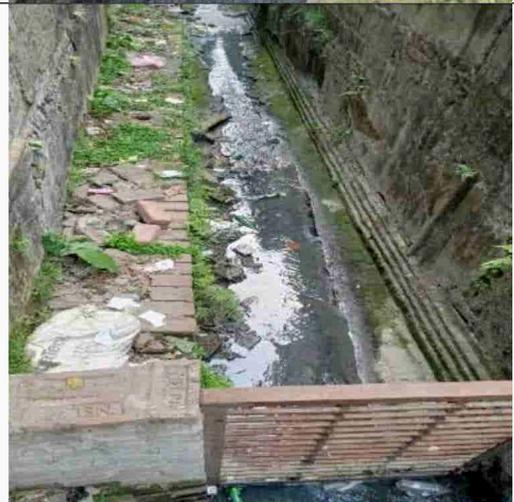
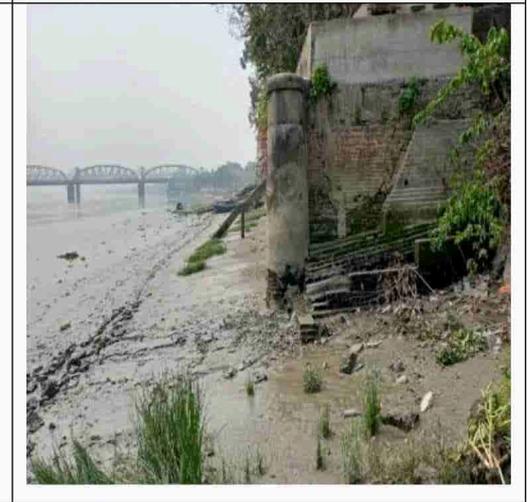
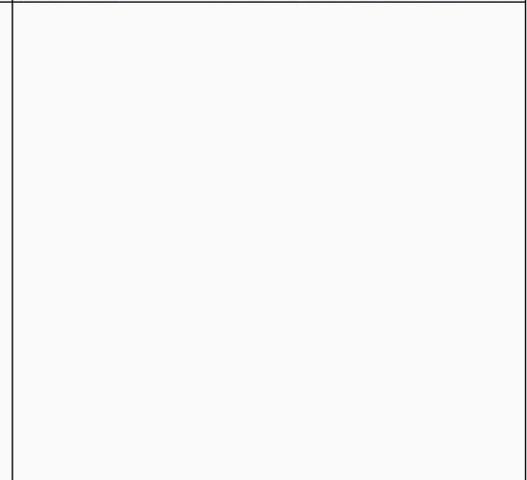
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| <p>43.</p> | <p>Kanchantala II, Garden reach</p> |  |  |
| <p>44.</p> | <p>Munikhali khal @Akhra ferry Ghat</p> |  |  |
| <p>45.</p> | <p>Thanar khal Naihati</p> |  <p>North 24 Parganas, West Bengal, India V9V6+GR, Banerjeepara Road, Naihati, West Bengal 743106, India Lat 22.893289° Long 88.412121° 27/06/24 10:52 AM GMT +05:30</p> |  <p>North 24 Parganas, West Bengal, India V9V6+GR, Banerjeepara Road, Naihati, West Bengal 743106, India Lat 22.893289° Long 88.411167° 27/06/24 09:21 PM GMT +05:30</p> |
| <p>46.</p> | <p>Bhatpara Drain ,Bhatpara</p> |  <p>Bhatpara, West Bengal, India V9CX+GMC, Bhatpara, Jagatdal, Bhatpara, West Bengal 743106, India Lat 22.870728° Long 88.389322° 27/06/24 11:40 AM GMT +05:30</p> |  <p>Bhatpara, West Bengal, India V9CX+GMC, Bhatpara, Jagatdal, Bhatpara, West Bengal 743106, India Lat 22.871878° Long 88.389068° 27/06/24 11:40 AM GMT +05:30</p> |

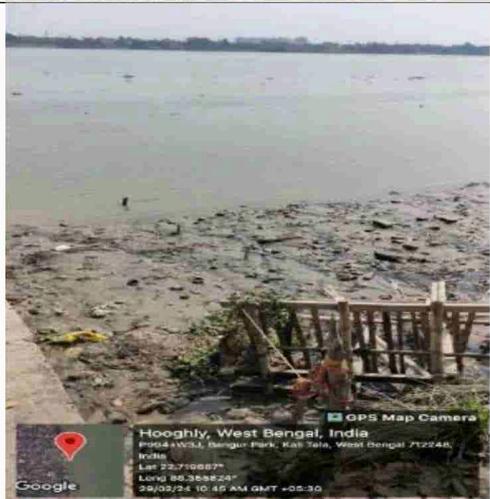
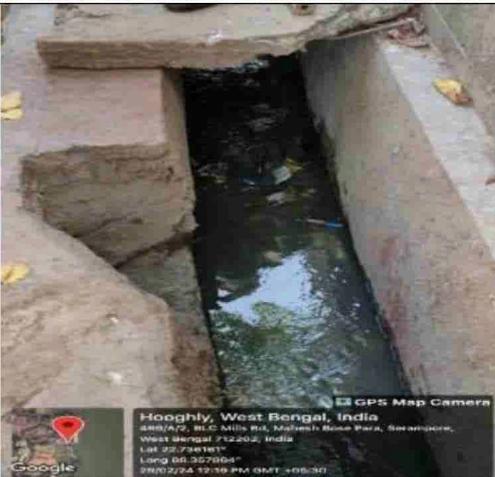
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| 47. | Drain near Allaince Jute Mill, Bhatpara |  <p>Kolkata, West Bengal, India V9CH+628, ESD Machinery, Jagatdal, Kolkata, Bhatpara, West Bengal Lat 22.857772° Long 88.376337° 27/08/24 11:52 AM GMT +05:30</p> |  <p>Bhatpara, West Bengal, India V95F+7RC, ESD Machinery, Jagatdal, Bhatpara, West Bengal Lat 22.858291° Long 88.37453° 27/08/24 10:54 AM GMT +05:30</p> |
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| 48. | Panchu Dutta Ghat |  |  |
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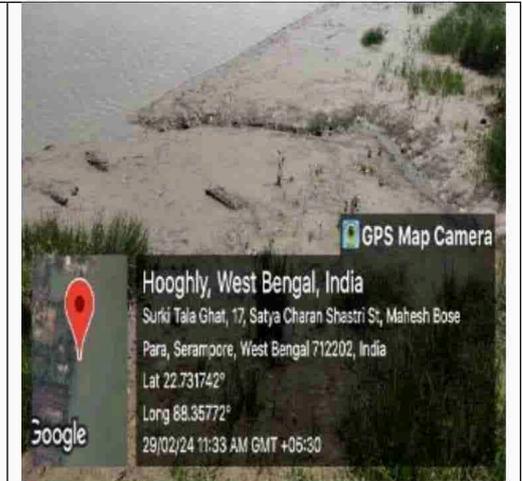
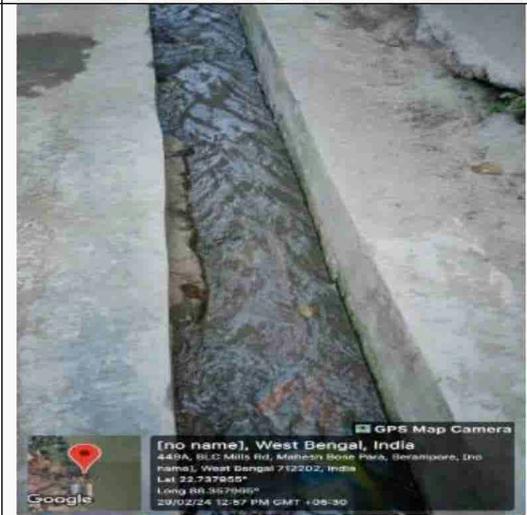
Hooghly District Additional Drain

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| 49. | College Ghat drain |  |  |
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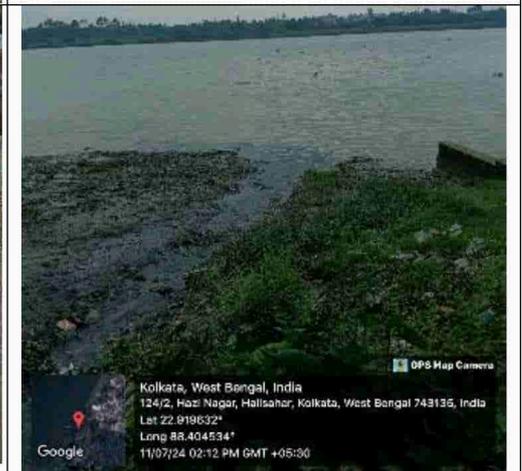
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| 50. | Muktokeshi Ghat Drain |  |  |
| 51. | Chatterjee Ghat Drain (Private Ghat) |  |  |
| 52. | Mondir Bari Ghat Drain |  |  |
| 53. | Doltala ghat drain (Tapping point) |  |  |

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| 54. | Shaw Wallace ghat drain |  | |
| 55. | Baidik para ghat drain | |  |
| 56. | Sreemany, Rishra |  <small>GPS Map Camera Hooghly, West Bengal, India 990412305, Banar Park, Rishra, West Bengal 712248, India Lat 22.719907° Long 86.355787° 29/02/24 10:49 AM GMT +05:30</small> |  <small>GPS Map Camera Hooghly, West Bengal, India 990412305, Banar Park, Rishra, West Bengal 712248, India Lat 22.719907° Long 86.355787° 29/02/24 10:49 AM GMT +05:30</small> |
| 57. | BLC Ghat Drain, Serampore |  <small>GPS Map Camera Hooghly, West Bengal, India 990412305, BLC Mills Rd, Mahesh Bose Park, Serampore, West Bengal 712202, India Lat 22.719167° Long 86.357984° 29/02/24 12:18 PM GMT +05:30</small> |  |

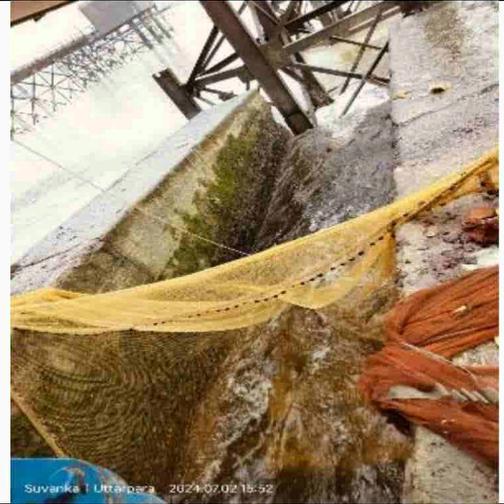
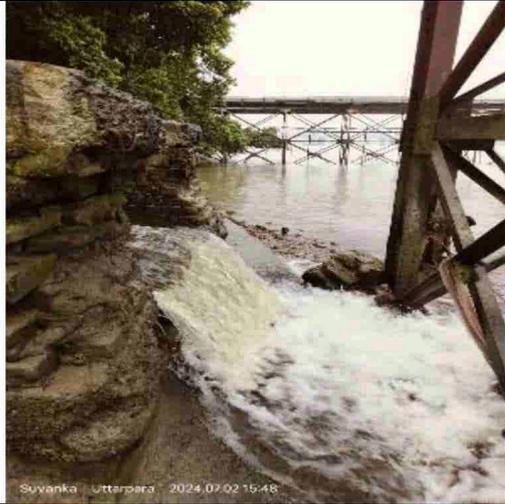
| | | | |
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| <p>58.</p> | <p>Kanai Diwan tala drain</p> | |  |
| <p>59.</p> | <p>Sukri Mill bylane crossing drain</p> | |  |
| <p>60.</p> | <p>Nistarini Kali bari More drain (damaged tapping point)</p> |  |  |
| <p>61.</p> | <p>K.C. Iaha Ghat, Rishra</p> |  |  |

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| <p>62.</p> | <p>Satyacharan Shastri street, Serampore</p> |  <p>Hooghly, West Bengal, India Surki Tala Ghat, 17, Satya Charan Shastri St, Mahesh Bose Para, Serampore, West Bengal 712202, India Lat 22.731742° Long 88.35772° 29/02/24 11:33 AM GMT +05:30</p> |  <p>Hooghly, West Bengal, India Surki Tala Ghat, 17, Satya Charan Shastri St, Mahesh Bose Para, Serampore, West Bengal 712202, India Lat 22.731742° Long 88.35772° 29/02/24 11:33 AM GMT +05:30</p> |
| <p>63.</p> | <p>Bose para lane, Serampore</p> |  <p>[no name], West Bengal, India 449A, B.C Mills Rd, Mahesh Bose Para, Serampore, Hooghly, West Bengal 712202, India Lat 22.737555° Long 88.357965° 29/02/24 12:57 PM GMT +05:30</p> |  <p>[no name], West Bengal, India 449A, B.C Mills Rd, Mahesh Bose Para, Serampore, Hooghly, West Bengal 712202, India Lat 22.737555° Long 88.357965° 29/02/24 12:57 PM GMT +05:30</p> |
| <p><u>North 24 Parganas District Additional Drain</u></p> | | | |
| <p>64.</p> | <p>Abasar Park/Hara Kumar Thakur Stand</p> |  <p>12 June 2024 11:41 am</p> |  <p>12 June 2024 12:01 pm</p> |

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| <p>65.</p> | <p>Balaram Sarkar Drain (Bhatpara)</p> |  <p>67, Kankinara, Jagatdal, Kolkata, Bhatpara, West Lat: 22.867980, Long: 88.402146 13 Jun, 24, 11:40 am, Thursday</p> |  <p>67, Kankinara, Jagatdal, Kolkata, Bhatpara, West Lat: 22.867980, Long: 88.402146 13 Jun, 24, 11:42 am, Thursday</p> |
| <p>66.</p> | <p>Rupdas Babu Ghat Drain</p> |  <p>36, Gourmohan Roy Ln, Bhatpara, Jagatdal, Kolkata, Lat: 22.874407, Long: 88.405103 13 Jun, 24, 12:23 pm, Thursday</p> |  <p>36, Gourmohan Roy Ln, Bhatpara, Jagatdal, Kolkata, Lat: 22.874407, Long: 88.405103 13 Jun, 24, 12:29 pm, Thursday</p> |
| <p>67.</p> | <p>Tindal Ghat Drain</p> |  |  |
| <p>68.</p> | <p>Girish Ghat Drain</p> |  |  |

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| <p>69.</p> | <p>Siddheswari Ghat</p> |  | |
| <p>70.</p> | <p>Siddheswari Ghat (Near Kalyan Pally)</p> |  | |
| <p>71.</p> | <p>Gangadhar smriti sarani ghat drain</p> |  |  |
| <p>72.</p> | <p>Phari Ghat drain</p> |  | |

73. Wimco ghat
pump house
Drain



Item No. 20

Court No. 1

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

Original Application No. 200/2014
(I.A. No. 340/2022, M.A. Nos. 872/2018, 875/2014 & 480/2018)

M.C. Mehta

Applicant

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 04.07.2025

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Applicant: Ms. Katyayni, Adv. for Applicant

Respondents: Ms. Madhumita Bhattacharjee, Adv. for the State of West Bengal
Mr. Raj Kumar, Mr. Ankit Chaudhary & Mr. Sushant Rana, Adv. for
CPCB
Mr. Gigi. C. George & Mr. Sunil Kumar, Adv. for NMCG

ORDER

1. Tribunal is considering the issue of prevention, control and abatement of pollution of river Ganga. Matter is being taken up State wise and today matter is listed to consider status of compliance by State of West Bengal.

2. On 4.3.2025, the Tribunal directed the State of West Bengal to furnish detailed information in Tabulated form about drains, Khals and Canals discharging sewage in the river Ganga.

3. We have examined the report dated 1.7.2025 filed by Additional Chief Secretary, Environment Department, Government of West Bengal. The Report filed in compliance with the order dated 4.3.2025 has disclosed the status of tapping of drains. We find that;

- (i) The details disclosed on page 41858 (R/1) are incomplete. The quantity of sewage diverted to STPs and the performance of STPs, particularly for faecal coliform, have not been disclosed. Out of 106 drains, 47 drains are reported to be tapped, still untreated sewage is being discharged. We also find that drains/khals having significant flow are discharging a large pollution load in terms of FC, and for these drains DPR is still under preparation and timelines are uncertain.
- (ii) There is no disclosure about total quantity of sewage being discharged into Ganga through drains / Khals / canals and total quantity of sewage diverted and to be diverted to STPs with timelines for providing treatment of sewage in each drain/Khal/ Canal with allocation of funds and due Monitoring at District and State level with due Supervision by NMCG.

4. We have also observed that NMCG in its report on West Bengal dated 9.8.2024 (page 37195) had approved 31 projects on sewerage works for creating/rehabilitating 942 MLD capacity and 995 km sewers. NMCG should execute a rejuvenation plan to ensure prevention of discharge of sewage and sullage into storm water drains, Khals and Canals and accordingly create Centralised and De-Centralised sewage treatment facilities, and such a plan should be the District and State Ganga action plan and monitored as per Ganga Rejuvenation order, 2016. NMCG should respond to this during the next hearing concerning West Bengal.

5. Learned Counsel appearing for CPCB has pointed out the following observations from the status report dated 6.5.2025, disclosing the status of drains post-monsoon,2023, district-wise and pre-monsoon, 2024 data and water quality of Ganga monitored during January to December, 2024:-

- (i) The flow measured from 104 drains during pre-monsoon was 6,231 MLD, and during post-monsoon flow measured for 92 drains was 7,630 MLD. Further, CPCB has mentioned about monitoring of an additional 64 drains in North 24 Parganas and 106 drains in the Hooghly districts. Altogether, 170 drains are discharging 278 MLD of sewage.
- (ii) Only 9 drains have been tapped Out of 106. Out of 170 drains, 15 are tapped, which are falling from the Hooghly district. We find that natural Khals and Canals are used for discharging sewage and sullage, which is a violation of the Water Act and the order of the Hon'ble Supreme Court in Paryavaran Suraksha. It is therefore necessary to set up STPs exclusively treating sewage and not the diluted and weak sewage, which will put unnecessary hydraulic load on STPs.
- (iii) Out of 42 STPs in 30 Ganga front towns, only 31 were operational and only 7 were complying with the standards and thus, untreated or partially treated sewage is being discharged. However, CPCB in the report has not disclosed the total installed treatment capacity of 42 STPS and the extent of utilisation capacities.
- (iv) From disclosure on Table 1 (page 41506), we find Median values of fecal coliform are given, which do not match the Primary Water Quality Criteria, as there is no mention of using Median values. Further, the Criteria of " Desirable " Values should be followed rather than preferring " Maximum Permissible " Values. These two aspects should be carefully examined by CPCB to have a proper assessment of water quality to designate the use of water bodies and meaningful rejuvenation plans and programmes, and respond before the next hearing concerning West Bengal.

(v) The report of CPCB in Table 2 (page 41507-41508) discloses that out of 15 water quality monitoring locations, 13 locations from Berhampur to Patikali are not only exceeding FC but fecal streptococci also which should be immediately looked into by the State of West Bengal and NMCG to safeguard public health at large.

6. We direct that deficiencies and gaps noticed from disclosure made in the report of West Bengal and of CPCB be responded to by way of affidavit by the Chief Secretary, West Bengal, Director General, NMCG and CPCB before next hearing for West Bengal.

7. List on 08.10.2025.

Prakash Shrivastava, CP

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

July 04, 2025
Original Application No. 200/2014
JG..