

BEFORE THE NATIONAL GREEN TRIBUNAL
EASTERN ZONE BENCH, KOLKATA

M.A No.02/2025/EZ

IN

ORIGINAL APPLICATION NO. 126/2023/EZ

MUJIBUR RAHAMAN MALIK

.....APPLICANT(S)

VERSUS

THE STATE OF WEST BENGAL & ORS.

.....RESPONDENT(S)

AFFIDAVIT FILED BY THE WEST BENGAL POLLUTION
CONTROL BOARD.

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Filed by



SIBOYOTI CHAKRABORTY
ADVOCATE
HIGH COURT AT CALCUTTA

SL. NO. 41 Dt.- 2 25 JUL 2025

BEFORE THE NATIONAL GREEN TRIBUNAL
EASTERN ZONE BENCH, KOLKATA

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MUJIBUR RAHAMAN MALIK

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.....RESPONDENT(S)

AFFIDAVIT FILED BY THE WEST BENGAL
POLLUTION CONTROL BOARD.

Most Respectfully Sheweth

I, Sri Ramkrishna Saha, son of Late Gopal Gobindo Saha, aged
about 56 years, by faith-Hindu, Occupation- Service, working at
West Bengal Pollution Control Board office at 10A, Block-LA,
Sector-III. Bidhannagar, Kolkata-700108, do hereby solemnly
declare and say as follows:-

25 JUL 2025



01. That, I am the Chief Scientist, West Bengal Pollution Control Board (hereinafter will be referred to as the 'State Board') and I am well acquainted with the facts and circumstances of the case. I have been duly authorized by the Respondent No. 01, to affirm this Affidavit on its behalf and as such, I am competent to do so.



02. That, this affidavit is being affirmed in pursuant to the order passed by this Hon'ble Tribunal dated 20.05.2025.

03. That, in compliance with the order passed by this Hon'ble Tribunal dated 20.05.2025, the State Board, conducted water sampling of the Canal Water, from Haranandabati (Kamarnala Canal) 500m from Rajpur Canal junction, Bridge at Haranandabati (Downstream of Rajpur Canal), Downstream of junction point of Rajpur Branch Canal and Rajpur Canal (near Gram Bangla Park) and PWD Bridge, Gabberia on 25.04.2025.

25 JUL 2025

04. That, the State Board, again conducted water sampling of the Canal Water, from Chandul Bridge at Kana Damodar, Basudevpur Bazar (Downstream at Kana Damodar), Kalsabha fuleswar near confluence point with Ganga on 29.04.2025.



05. Based on test report, an assessment of water quality from two distinct stretches - Rajapur Canal and Canal Kana Damodar - both of which eventually discharge into the River Ganga via Kana Damodar, has revealed significant concerns regarding their suitability for bathing purposes based on "Primary Water Quality Criteria for Bathing Water" according to the Notification of Ministry of Environment & Forest, Government of India.

Rajapur Canal:

The water quality of Rajapur Canal, across most of its stretches, fails to comply with the prescribed bathing water standards. While the pH levels (ranging from 6.5 to 8.5) were found to be within the permissible limits, other parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), and Faecal Coliform counts does not comply with the permissible standards(as

25 JUL 2025

depicted in Fig1). The elevated BOD and Faecal Coliform levels are particularly indicative of significant organic pollution and potential pathogen presence, rendering the water unsafe for direct human contact.

Canal Kana Damodar:

Samples collected from the River Kana Damodar (Canal) also represent the pH levels(6.5 - 8.5) and Dissolved Oxygen (DO) at three sampling locations were found to comply with the permissible standards (5 mg/l or more). However, a significant concern arises from the Biochemical Oxygen Demand (BOD), which was found to be quite high at three locations, exceeding the permissible standard of 3 mg/l. This indicates substantial organic loading and decomposition processes. The bacteriological parameter, Faecal Coliform, was above the maximum permissible limit (2500 MPN/100ml) across the sampled areas (as depicted in Fig2) at two locations.

Based on the analysis of both canals, it is unequivocally observed that the water quality in terms of Coliform bacteria in both Rajapur Canal and Canal Kana Damodar does not meet the Primary Water Quality Criteria for Bathing Water". The persistently high Faecal



25 JUL 2025

Coliform counts in both water bodies strongly indicate faecal contamination, posing a significant health risk to individuals engaging in bathing activities.

Copy of the water quality assessment report along with test reports dated 24.04.2025 and 29.04.2025 are annexed herewith and collectively marked with letter "R (colly)".



06. It is therefore respectfully prayed that Hon'ble Tribunal may pass such order/orders as it deems fit and proper in the interest of justice.

Identified by me
 Sri Bijoy Chakrabarti
 ADVOCATE
 WBPCAB
 WB/1730/2020

Banvishree Das
 DEPONENT

25 JUL 2025

VERIFICATION

I, Sri Ramkrishna Saha, son of Late Gopal Gobindo Saha, aged about 56 years, by faith-Hindu, Occupation- Service, working at West Bengal Pollution Control Board office at 10A, Block-LA, Sector-III. Bidhannagar, Kolkata-700108, do hereby solemnly declare and say as follows:-

1. That, I am the Chief Scientist, West Bengal Pollution Control Board and I am well acquainted with the facts and circumstances of the instant Original Application.
2. That, the statements made in paragraph 1 of this affidavit is true to my knowledge and belief.
3. That, the statements made in paragraphs 2 to 5 of this affidavit are my information derived from the records available in the office of the State Board which I verily believe to be true and the rest are my respectful submission before this Hon'ble Tribunal.

Ramkrishna Saha

DEPONENT

R N B J

Identified and corrected by me
Advocate
WBPCB

Solemnly Affirmed &
Declared Before Me
On Identification By.....

Sarbani Mitra
SARBANI MITRA
NOTARY
Regd. No.- 5515/08

25 JUL 2025

Water Quality Assessment: Rajapur Canal and Kana Damodar (Canal)

An assessment of water quality from two distinct stretches – Rajapur Canal and Canal Kana Damodar – both of which eventually discharge into the River Ganga via Kana Damodar, has revealed significant concerns regarding their suitability for bathing purposes based on "Primary Water Quality Criteria for Bathing Water" according to the Notification of MOEF, Govt. of India.

Rajapur Canal:

The water quality of Rajapur Canal, across most of its stretches, fails to comply with the prescribed bathing water standards. While the pH levels (ranging from 6.5 to 8.5) were found to be within the permissible limits, other parameters such as Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), and Faecal Coliform counts were consistently does not comply with the permissible standards (As depicted in Fig. 1). The elevated BOD and Faecal Coliform levels are particularly indicative of significant organic pollution and potential pathogen presence, rendering the water unsafe for direct human contact.

Canal Kana Damodar:

Similarly, samples collected from the River Kana Damodar (Canal) also represent the pH levels (6.5-8.5) and Dissolved Oxygen (DO) at three sampling locations were found to comply with the permissible standards (5 mg/l or more). However, a significant concern arises from the Biochemical Oxygen Demand (BOD), which was found to be quite high at three locations, exceeding the permissible standard of 3 mg/l. This indicates substantial organic loading and decomposition processes. The bacteriological parameter, Faecal Coliform, was above the maximum permissible limit (2500 MPN/100ml) across the sampled areas (as illustrated in Fig. 2) at two locations.

Based on the analysis of both canals, it is unequivocally observed that the water quality in terms of Coliform bacteria in both Rajapur Canal and Canal Kana Damodar does not meet the "Primary Water Quality Criteria for Bathing Water." The persistently high Faecal Coliform counts in both water bodies strongly indicate faecal contamination, posing a significant health risk to individuals engaging in bathing activities.

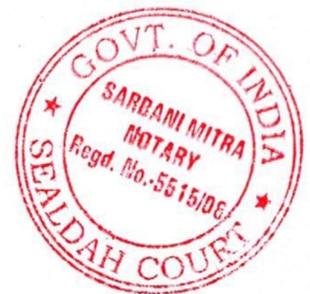


Fig. 1

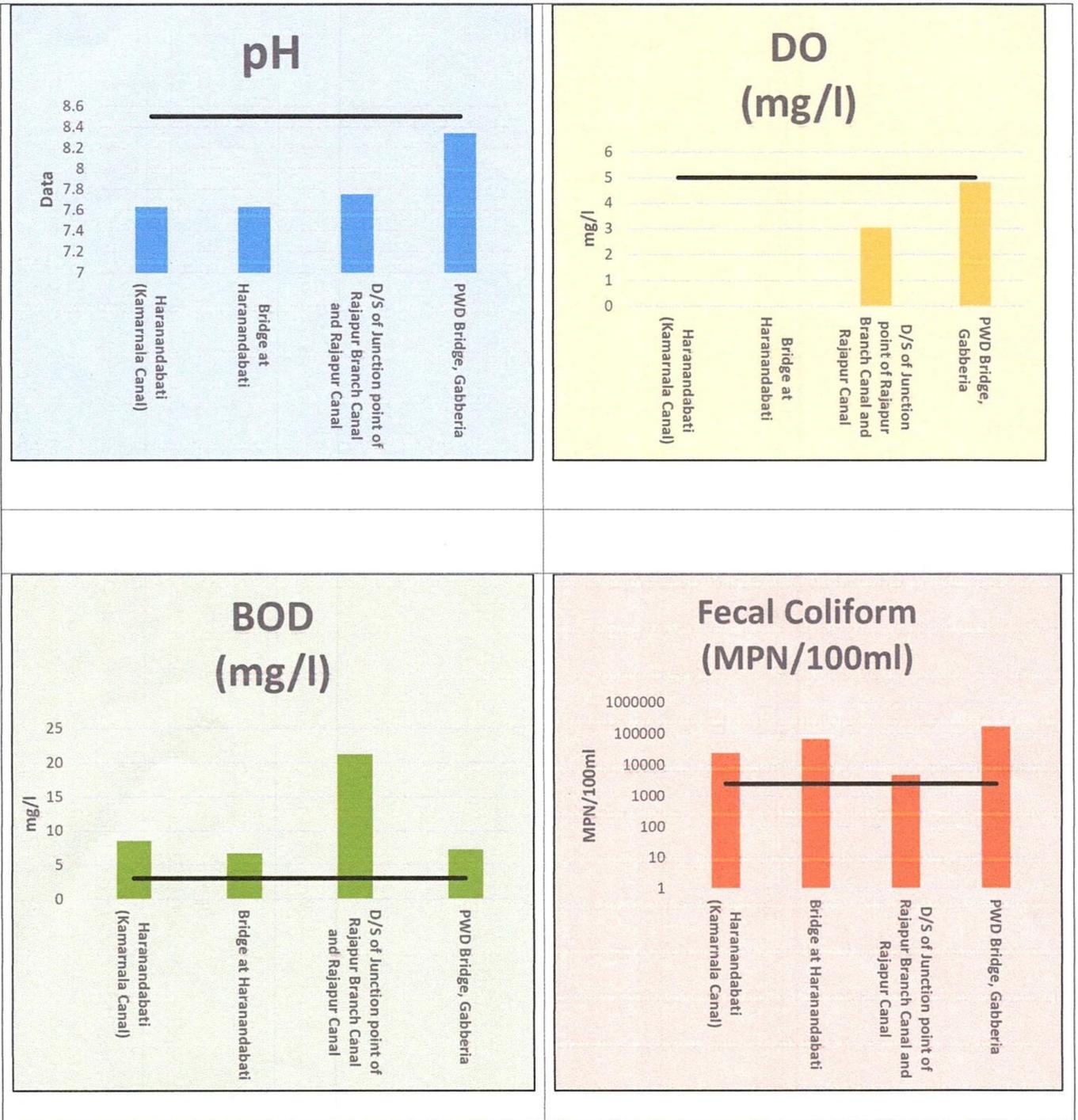
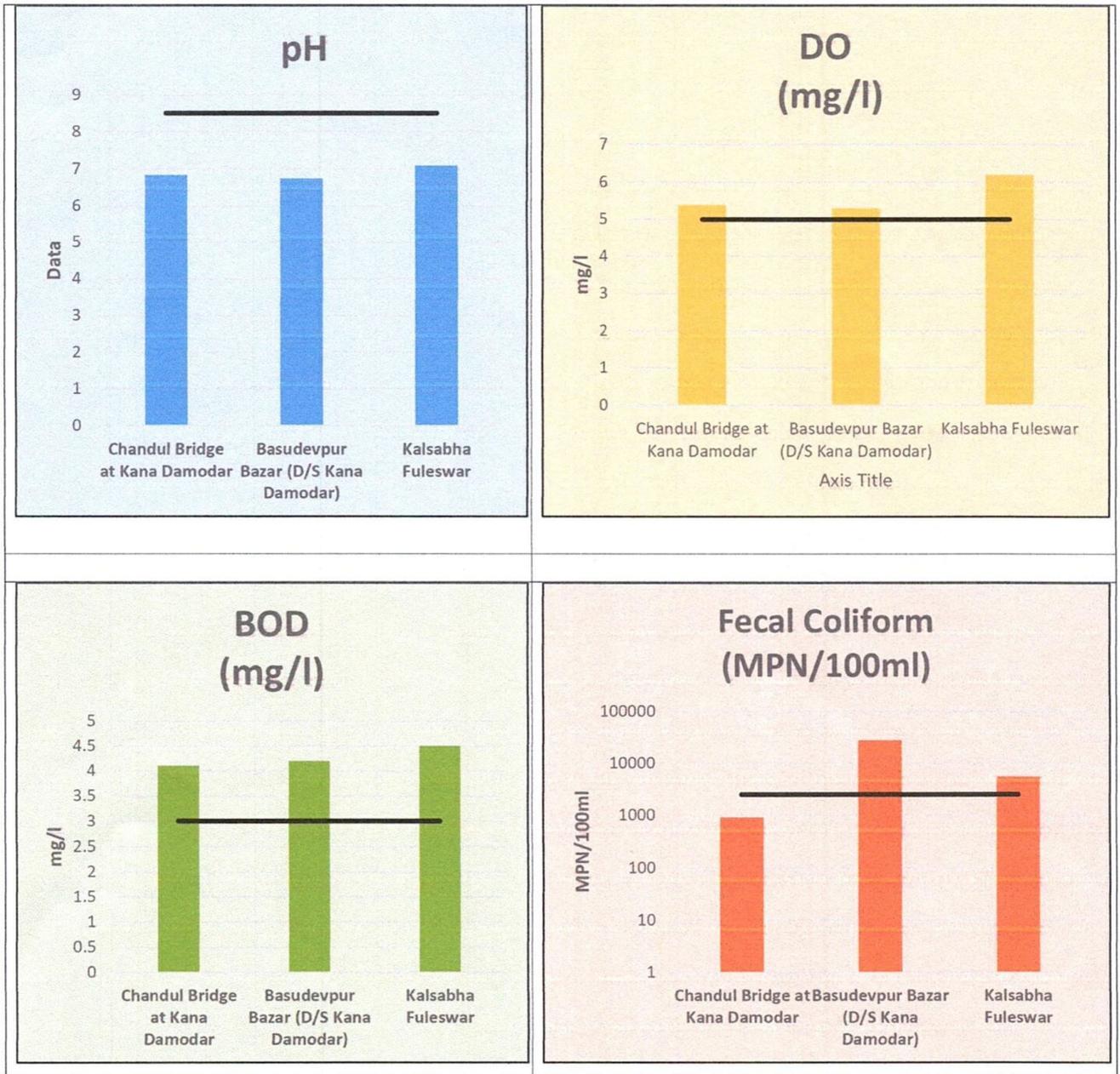


Fig. 2




WEST BENGAL POLLUTION CONTROL BOARD


Central Laboratory
Paribesh Bhawan, 10A, Block LA, Sector III, Salt Lake City, Kolkata 700 106.
Tel: (033) 2335-5953

Report No: 1488

TEST REPORT

Issue Date: 08/05/2025

Sample Details	Canal Water	A.R.F No.	305/2025
Sample Received From	Howrah Regional Office & Central Laboratory	Sampling Date	25/04/2025
Test Material	Canal Water Samples	Sample Received on	25/04/2025
Sampling Location	(1) Haranandabati (Kamarnala Canal) 500 m from Rajapur Canal junction (2) Bridge at Haranandabati (Downstream of Rajapur Canal) (3) Downstream of junction point of Rajapur Branch Canal and Rajapur Canal (near Gram Bangla Park) (4) PWD Bridge, Gabberia	Total no of Sample	4
Height/Depth	NA	Period of Analysis	25/04/2025 to 07/05/2025
Sample Condition	Good	Climate Condition	Sunny
Name of Industry/Source	Rajapur Canal	Address	Howrah
Sample Collected by	Bimalendu Mal, Bhim Tikader, Md Sohaib & Maurya Bandyopadhyay		

Sampling Procedure Reference - CL/SOP/32

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
1	--	1300	Haranandabati (Kamarnala Canal) 500 m from Rajapur Canal junction

Parameters	Result	Unit	LOD	Method
pH (Unit)	7.63	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	Nil	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	38.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	51.00	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	8.50	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015, 2015
Nitrate-N	2.01	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.27	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	23.02	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

Authorised Signatory :

Kaly
 Jr. Scientist
 (Checked & Verified by)

R. Saha
 Chief Scientist
 (Issued by)

Copy To-

- Chief Engineer, Planning / EIM Cell, WBPCB
- Chief Engineer (O & E), WBPCB
- Howrah Regional Office, WBPCB



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1315

Bridge at Haranandabati (Downstream of Rajapur Canal)

Parameters	Result	Unit	LOD	Method
pH (Unit)	7.63	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	Nil	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	24.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	40.80	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	6.63	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015 ,2015
Nitrate-N	1.71	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.21	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	37.74	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

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1400

Downstream of junction point of Rajapur Branch Canal and Rajapur Canal (near Gram Bangla Park)

Parameters	Result	Unit	LOD	Method
pH (Unit)	7.75	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	3.05	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	48.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	81.60	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	21.25	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015 ,2015
Nitrate-N	1.64	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.06	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	24.79	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

Authorised Signatory :

Keluy
Jr. Scientist
(Checked & Verified by)

B. Saha
Chief Scientist
(Issued by)

Copy To-

1. Chief Engineer, Planning / EIM Cell, WBPCB
2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office, WBPCB



Report No: 1488

Issue Date: 08/05/2025

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1630

PWD Bridge, Gabberia

Parameters	Result	Unit	LOD	Method
pH (Unit)	8.34	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	4.82	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	26.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	39.78	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	7.25	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015 ,2015
Nitrate-N	2.28	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.05	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	27.26	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

Note:- LOD: Limit of Detection, BDL: Below Detection Limit, NT: Not Traceable, NA: Not Applicable, ND: Not Done

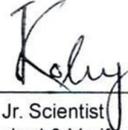
1) For Sampling details pl. refer to A.R.F No. 305/2025 Dated: 25/04/2025. 2) Results are reported based on preserved materials.

3) Sample will be destroyed after 2 months from the date of receiving of the sample/s. Sample will be preserved according to Standard Method.

4) The Test Report shall not be reproduced without the written permission of the Laboratory.

The Parameter are under the scope of NABL accreditation ISO/IEC 17025:2017, process is in continuation till date.

Remarks:-



Jr. Scientist
(Checked & Verified by)



Chief Scientist
(Issued by)

Authorised Signatory :

Copy To-

- 1 Chief Engineer, Planning / EIM Cell, WBPCB
- 2 Chief Engineer (O & E), WBPCB
- 3 Howrah Regional Office, WBPCB

..... End of Report



Central Laboratory
Paribesh Bhawan, 10A, Block LA, Sector III, Salt Lake City, Kolkata 700 106.
Tel: (033) 2335-5953

Report No: 618

TEST REPORT

Issue Date: 08/05/2025

Sample Details	Canal Water	A.R.F No.	302/2025
Sample Received From	Howrah Regional Office & Central Laboratory	Sampling Date	25/04/2025
Test Material	Canal Water Samples	Sample Received on	25/04/2025
Sampling Location	(1) Haranandabati (Kamarnala Canal) 500 m from Rajapur Canal junction (2) Bridge at Haranandabati (Downstream of Rajapur Canal) (3) Downstream of junction point of Rajapur Branch Canal and Rajapur Canal (near Gram Bangla Park) (4) PWD Bridge, Gabberia	Total no of Sample	4
Height/Depth	NA	Period of Analysis	25/04/2025 to 29/04/2025
Sample Condition	Good	Climate Condition	Sunny
Name of Industry/Source	Rajapur Canal	Address	Howrah
Sample Collected by	Bimalendu Mal, Bhim Tikader, Md Sohaib & Maurya Bandyopadhyay		

Sampling Procedure Reference - CL/SOP/32

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
1	--	1300	Haranandabati (Kamarnala Canal) 500 m from Rajapur Canal junction

Parameters	Result	Unit	LOD	Method
Total Coliform	350 × 10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	240 × 10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	23 × 10 ³	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Parameters	Result	Unit	LOD	Method
Total Coliform	23 × 10 ⁵	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	6.8 × 10 ⁴	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	23 × 10 ³	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Parameters	Result	Unit	LOD	Method
Total Coliform	220 × 10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	49 × 10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	6.1 × 10 ³	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Authorised Signatory :

Qatta
Env. Analyst
(Checked & Verified by)

Besha
Chief Scientist
(Issued by)

Copy To-

1. Chief Engineer, Planning / EIM Cell, WBPCB
2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office, WBPCB



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1630

PWD Bridge, Gabberia

Parameters	Result	Unit	LOD	Method
Total Coliform	130×10^2	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	33×10^2	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	170×10^3	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Note: - LOD: Limit of Detection, BDL: Below Detection Limit, NT: Not Traceable, NA: Not Applicable, ND: Not Done

1) For Sampling details pl. refer to A.R.F No. 302/2025 Dated: 25/04/2025. 2) Results are reported based on preserved materials.

3) Sample will be destroyed after 15 days from the date of receiving of the sample/s. Sample will be preserved according to Standard Method.

4) The Test Report shall not be reproduced without the written permission of the Laboratory.

The Parameter are under the scope of NABL accreditation ISO/IEC 17025:2017, Process is in continuation till date.

Remarks:-

Batta

Env. Analyst
(Checked & Verified by)

B. Saha

Chief Scientist
(Issued by)

Authorised Signatory :

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2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office, WBPCB

..... End of Report





WEST BENGAL POLLUTION CONTROL BOARD

Central Laboratory
Paribesh Bhawan, 10A, Block LA, Sector III, Salt Lake City, Kolkata 700 106.
Tel: (033) 2335-5953



Report No: 1492

TEST REPORT

Issue Date: 15/05/2025

Sample Details	Canal Water	A.R.F No.	307/2025
Sample Received From	Howrah Regional Office & Central Laboratory	Sampling Date	29/04/2025
Test Material	Canal Water Samples	Sample Received on	29/04/2025
Sampling Location	(1) Chandul Bridge at Kana Damodar (2) Basudevpur Bazar (Downstream at Kana Damodar) (3) Kalsabha fuleswar near confluence point with Ganga	Total no of Sample	3
Height/Depth	NA	Period of Analysis	29/04/2025 to 14/05/2025
Sample Condition	Good	Climate Condition	Sunny
Name of Industry/Source	Canal Water	Address	Howrah
Sample Collected by	Bimalendu Mal, Bhim Tikader, Subhedu Show & Maurya Bandyopadhyay		

Sampling Procedure Reference - CL/SOP/32

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
1	--	1345	Chandul Bridge at Kana Damodar

Parameters	Result	Unit	LOD	Method
pH (Unit)	6.84	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	5.40	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	24.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	20.24	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	4.10	mg/L	0.20 mg/L	CLWI/5.4/19 issue # 2 issue Date 13/02/2015, 2015
Nitrate-N	0.62	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.12	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	33.48	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

Authorised Signatory :

Kohy
Jr. Scientist
(Checked & Verified by)

Rishu
Chief Scientist
(Issued by)

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1. Chief Engineer, Planning / EIM Cell, WBPCB
2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office, WBPCB



2

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1520

Basudevpur Bazar (Downstream at Kana Damodar)

Parameters	Result	Unit	LOD	Method
pH (Unit)	6.74	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	5.30	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	40.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	21.25	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	4.20	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015 ,2015
Nitrate-N	0.35	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.07	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	30.85	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

3

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1605

Kalsabha fuleswar near confluence point with Ganga

Parameters	Result	Unit	LOD	Method
pH (Unit)	7.09	Units	4 Units	APHA 4500-H+ B (24th edition, 2023)
DO	6.20	mg/L	0.2 mg/L	APHA 4500-O C (24th edition, 2023)
TSS	236.00	mg/L	4 mg/L	APHA 2540 D (24th edition, 2023)
COD	17.20	mg/L	6.00 mg/L	APHA 5220 B, 5220 D (24th edition, 2023), USEPA Method 410.4, revision 2.0, August 1993
BOD(3days@27°C)	4.50	mg/L	0.20 mg/L	CL/WI/5.4/19 issue # 2 issue Date 13/02/2015 ,2015
Nitrate-N	0.60	mg/L	0.05 mg/L	APHA 4500-NO3-B (24th edition, 2023)
Phosphate-P	0.07	mg/L	0.01 mg/L	APHA 4500-P B, 3030 K(digestion)& 4500-P D(determination);24th edition, 2023
Sulfate	81.42	mg/L	5.00 mg/L	APHA 4500-SO42 E (24th edition, 2023)
Total Chromium as Cr	BDL	mg/L	0.35 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)
Lead as Pb	BDL	mg/L	0.25 mg/L	APHA 3030 E, 3030 K & 3111B (24th edition, 2023)

Note:- LOD: Limit of Detection, BDL: Below Detection Limit, NT: Not Traceable, NA: Not Applicable, ND: Not Done

- 1) For Sampling details pl. refer to A.R.F No. 307/2025 Dated: 29/04/2025. 2) Results are reported based on preserved materials.
 - 3) Sample will be destroyed after 2 months from the date of receiving of the sample/s. Sample will be preserved according to Standard Method.
 - 4) The Test Report shall not be reproduced without the written permission of the Laboratory.
- The Parameter are under the scope of NABL accreditation ISO/IEC 17025:2017, process is in continuation till date.

Remarks:-

Authorised Signatory :

Kaly
Jr. Scientist
(Checked & Verified by)



Sarbani Mitra

Chief Scientist
(Issued by)

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1. Chief Engineer, Planning / EIM Cell, WBPCB
2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office, WBPCB

End of Report

Central Laboratory
Paribesh Bhawan, 10A, Block LA, Sector III, Salt Lake City, Kolkata 700 106.
Tel: (033) 2335-5953

Report No: 626

TEST REPORT

Issue Date : 15.05.2025

Sample Details	Canal water	A.R.F No.	304/2025
Sample Received From	Howrah Regional Office & Central Laboratory	Sampling Date	29/04/2025
Test Material	Canal water	Sample Received on	29/04/2025
Sampling Location	1) Chandul Bridge at kana Damodar 2) Basudevpur Bazar (Downstream of kana Damodar) 3) Kalsabha fuleswar near confluence point with Ganga.	Total no of Sample	03
Height/Depth	NA	Period of Analysis	29/04/2025 to 05/05/2025
Sample Condition	Good	Climate Condition	Sunny
Name of Industry/Source	Canal Water	Address	Howrah
Sample Collected by	Bimalendu Mal, Bhim Tikader, S.Show & Maurya Bandyopadhyay		

Sampling Procedure Reference - CL/SOP/32

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
1	--	1345	Chandul Bridge at kana Damodar

Parameters	Result	Unit	LOD	Method
Total Coliform	23 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	9.2 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	7.8 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
2	--	1520	Basudevpur Bazar (Downstream at kana Damodar)

Parameters	Result	Unit	LOD	Method
Total Coliform	70 x10 ³	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	280 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	79 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Sl	Treated/Untreated	Collection Time	Sampling Details (Collection / Discharge)
3	--	1605	Kalsabha fuleswar near confluence point with Ganga.

Parameters	Result	Unit	LOD	Method
Total Coliform	170 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 B(24th edition, 2023)
Fecal Coliform	540 x10	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9221 E(24th edition, 2023)
Fecal Streptococci	13 x10 ²	MPN/100 ml	<1.8 MPN/100 ml	APHA Standard Methods,9230 B(24th edition, 2023)

Remarks:-

Note:- LOD: Limit of Detection, BDL: Below Detection Limit, NT: Not Traceable, NA: Not Applicable, ND: Not Done
 1) For Sampling details pl. refer to A.R.F No.304/2025 . Dated: 29/04/2025 . 2) Results are reported based on preserved materials.
 3) Sample will be destroyed after 15 days from the date of receiving of the sample/s. Sample will be preserved according to Standard Method.
 4) The Test Report shall not be reproduced without the written permission of the Laboratory.
 The Parameter are under the scope of NABL accreditation ISO/IEC 17025:2017, Process is in continuation till date.

Authorised Signatory :

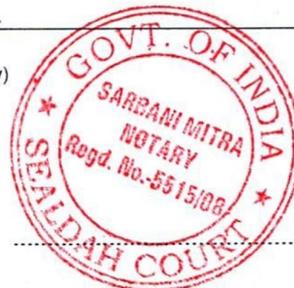
Satta
 Env. Analyst
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 Chief Scientist
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1. Chief Engineer, Planning / EIM Cell, WBPCB
2. Chief Engineer (O & E), WBPCB
3. Howrah Regional Office ,WBPCB

End of Report



MINISTRY OF ENVIRONMENT AND FORESTS

NOTIFICATION

New Delhi, the 25th September, 2000

G.S.R. 742(E).— In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely.

1. (1) These rules may be called the Environment (Protection) Amendment Rules, 2000.
(2) Save as otherwise provided in this notification, they shall come into force on the date of their publication in the Official Gazette.
2. In the Environment (Protection) Rules, 1986,—
 - (1) In Schedule I, after serial number 89 relating to Noise standards for fire crackers and the entries relating thereto, the following serial numbers and entries shall be inserted, namely:—

“90. Standards for coal mines**1. Air Quality Standards**

The Suspended Particulate Matter (SPM), Respirable Particulate Matter (RPM), Sulphur dioxide (SO₂) and Oxides of Nitrogen (NO_x) concentration in downwind direction considering predominant wind direction, at a distance of 500 metres from the following dust generating sources shall not exceed the standards specified in the Tables I, II and III given below:

Dust Generating Sources

Loading or unloading, Haul road, coal transportation road, Coal handling plant (CHP), Railway sliding, Blasting, Drilling, Overburden dumps, or any other dust generating external sources like coke ovens (hard as well as soft), briquette industry, nearby road etc.



93. Primary Water Quality Criteria for Bathing Waters.

In a water body or its part, water is subjected to several types of uses. Depending on the types of uses and activities, water quality criteria have been specified to determine its suitability for a particular purpose. Among the various types of uses there is one use that demands highest level of water quality or purity and that is termed as "Designated Best Use" in that stretch of water body. Based on this, water quality requirements have been specified for different uses in terms of primary water quality criteria. The primary water quality criteria for bathing water are specified along with the rationale in table 1.

Table 1.

**PRIMARY WATER QUALITY CRITERIA FOR BATHING WATER
(Water used for organised outdoor bathing)**

CRITERIA		RATIONALE
1. Fecal Coliform MPN/100 ml:	500 (desirable) 2500 (Maximum Permissible)	To ensure low sewage contamination. Fecal coliform and fecal streptococci are considered as they reflect the bacterial pathogenicity.
2. Fecal Streptococci MPN/100 ml:	100 (desirable) 500 (Maximum Permissible)	The desirable and permissible limits are suggested to allow for fluctuation in environmental conditions such as seasonal change, changes in flow conditions etc.
2. pH:	Between 6.5 - 8.5	The range provides protection to the skin and delicate organs like eyes, nose, ears etc. which are directly exposed during outdoor bathing.
3. Dissolved Oxygen:	5 mg/l or more	The minimum dissolved oxygen concentration of 5 mg/l ensures reasonable freedom from oxygen consuming organic pollution immediately upstream which is necessary for preventing production of anaerobic gases (obnoxious gases) from sediment.
4. Biochemical Oxygen demand 3 day, 27°C:	3 mg/l or less	The Biochemical Oxygen Demand of 3 mg/l or less of the water ensures reasonable freedom from oxygen demanding pollutants and prevent production of obnoxious gases";



BEFORE THE NATIONAL GREEN TRIBUNAL
EASTERN ZONE BENCH, KOLKATA

M.A No.02/2025/EZ

IN

ORIGINAL APPLICATION NO. 126/2023/EZ

MUJIBUR RAHAMAN MALIK

.....APPLICANT(S)

VERSUS

THE STATE OF WEST BENGAL & ORS.

.....RESPONDENT(S)

AFFIDAVIT FILED BY THE WEST BENGAL
POLLUTION CONTROL BOARD.

SIBOJYOTI CHAKRABORTY
ADVOCATE
HIGH COURT AT CALCUTTA