

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL**

**CENTRAL ZONE BENCH, BHOPAL,**

**ORIGINAL APPLICATION NO. 12/2025**

**IN THE MATTER OF:**

**RASHID NOOR KHAN**

**.....APPLICANT**

**VERSUS**

**COLLECTOR, BHOPAL & ORS**

**....RESPONDENT**

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Date: 31.10.2025

Place: Bhopal

**Submitted by MPPCB: -**

**through Counsel**



**Adv. Parul Bhadoria**

**Ph. No.: (+91)-8085977111;**

**Email: parul.bhadoria04@gmail.com**

**INSPECTION REPORT OF MADHYA PRADESH POLLUTION CONTROL BOARD IN COMPLIANCE OF THE HON'BLE NGT ORDER DATED 07/10/2025 IN THE MATTER OF ORIGINAL APPLICATION NO. 12/2025 (CZ) RASHID NOOR KHAN VS. COLLECTOR, BHOPAL & ORS.**

The MP PCB most humbly submits that: -

1. That, the Hon'ble NGT issued following instructions on dated 07/10/2025 in the matter of OA 12/2025 (CZ) Rashid Noor Khan Vs. Collector, Bhopal & Ors.: -

*“...20. In view of the above contentions, our directions are as follows: -*

*1. The copy of the application dated 04.05.2025 submitted by the Applicant with attached records relating to the encroachments be forwarded to the Respondents to submit the reply. Copy of the same be provided on available e-mail and through State PCB to the Collector, Bhopal, and the Commissioner, Bhopal Municipal Corporation, to examine the contents and illegal construction within the wetland and if the construction are found to be in violation of the Wetland (Conservation and Management) Rules, necessary action must be taken immediately and detailed report be submitted to the Tribunal within two weeks.*

.....xx.....xx.....xx.....

*21. In view of the seriousness of the matter, the Respondents, State of Madhya Pradesh, Department of Nagar Vikas, Collector, Bhopal, Bhopal Municipal Corporation and the State PCB, are directed to submit their reply with reference to the present petition/application and the details of the encroachments submitted by the Applicant vide application dated 04.05.2025 within two weeks.*

2. In compliance with the Hon'ble National Green Tribunal (NGT) order dated 07/10/2025, the MPPCB issued a letter to the Collector, Bhopal, and the Commissioner, Bhopal Municipal Corporation. The same was also

communicated through email sent on the official addresses i.e, dmbhopal@nic.in and commoffice@bmconline.gov.in. A copy of the letter and email is enclosed as **Annexure-1**.

3. Also, a site inspection was conducted on dated 29/10/2025 by the officials of the Madhya Pradesh Pollution Control Board (MPPCB) namely Mr. Jainendra Chandel, Chemist, Regional Office, MPPCB, Bhopal, and Ms. Prakamya Tiwari, AE, Regional Office, MPPCB, Bhopal regarding discharge of untreated effluent into the Upper Lake from the sites mentioned in the applicant's submission dated 04/05/2025.

The sites identified through the geotagged photographs and names of the locations provided in the application were inspected. Certain locations mentioned only by Khasra numbers could not be verified by MPPCB and can be confirmed through the Revenue Records. The Photographs taken during the inspection are enclosed as **Annexure-2**. The site-wise observations are as follows:

### **Seven Oaks Restaurant**

- The restaurant is located at Village-Bairagarh Kalan, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°16'3.17"N and Longitude 77°19'24.34"E.
- The restaurant has a capacity of approximately 150 seats with 2 seats and 2 urinals, kitchen and a pool inside the premises.
- There is a septic tank provided on the west side of the restaurant measuring approximately about 10 feet x 20 feet. No overflow observed during inspection.

### **Yash Dhaba and Family Restaurant**

- The dhaba/restaurant is located at Village-Jamuniyachir, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°15'27.52"N and Longitude 77°17'18.07"E.
- Khajuri Sadak passes through the north side of the dhabha. The dhabha has no washroom facility.
- There are separate bins for wet and dry waste present at the dhabha. No accumulation of solid waste observed during inspection and no waste water is observed.

### **AK Associates**

- The site is located at Village-Intkhedi Chhap, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°14'5.46"N and Longitude 77°15'30.87"E.
- There was no wastewater generating activity observed during inspection.

### **Patidar Farm**

- The location mentioned in the application could not be confirmed during inspection.

### **The Persian darbar**

- The restaurant is located at Village-Bairagarh Kalan, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°15'55.77"N and Longitude 77°19'18.24"E.
- The restaurant has a capacity of approximately 150 seats with 4 seats and 4 urinals and a kitchen.

- There is a septic tank provided on the west side of the restaurant measuring about 10 feet x 18 feet. No overflow observed during inspection and no waste water is observed.

### **Shri Gaura Ji Marble and Tiles**

- The site is located at Village-Bairagarh Kalan, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°16'8.17"N and Longitude 77°19'29.39"E.
- There was no waste water generating activity observed during inspection.

### **Curve (Restaurant)**

- The restaurant is located at Village-Kolu Khedi, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°15'3.73"N and Longitude 77°16'16.73"E.
- The restaurant has a capacity of approximately 200 seats with 4 seats and 4 urinals, kitchen and a pool.
- There is a septic tank provided on the west side of the restaurant measuring about 10 feet x 20 feet. No overflow observed during inspection and no waste water is observed.

### **Nasheman Events**

- The event garden is located at Village-Kolukhedi, Tehsil Huzur, District Bhopal. Its geographical coordinates are Latitude 23°14'59.98"N and Longitude 77°16'10.42"E.
- During the inspection, the premises were found closed, and no activity was observed and no waste water is observed.

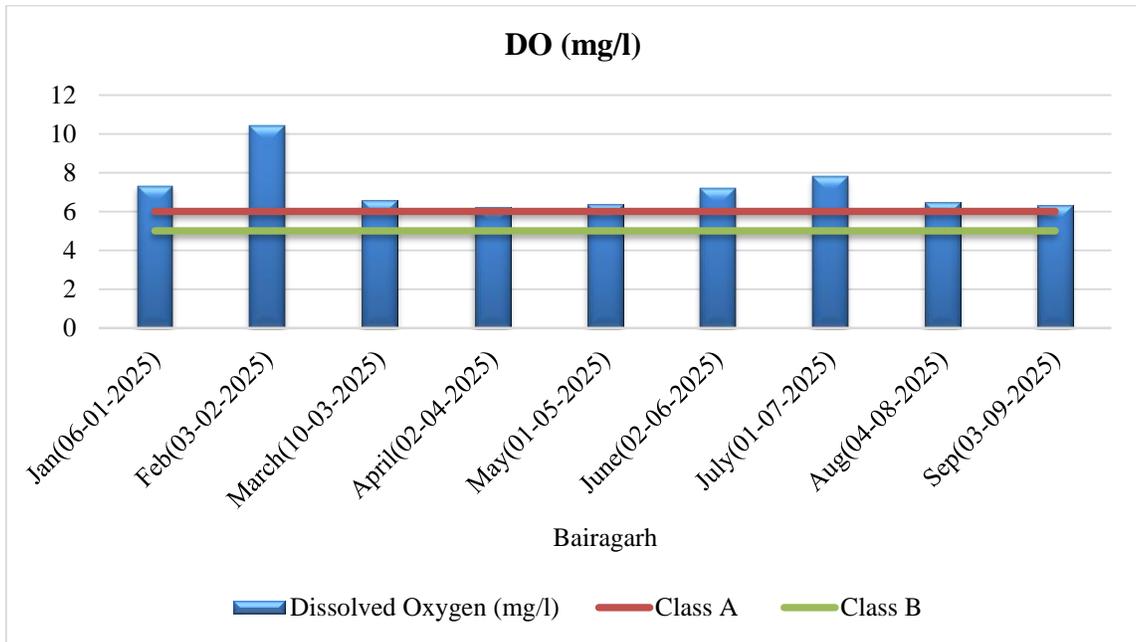
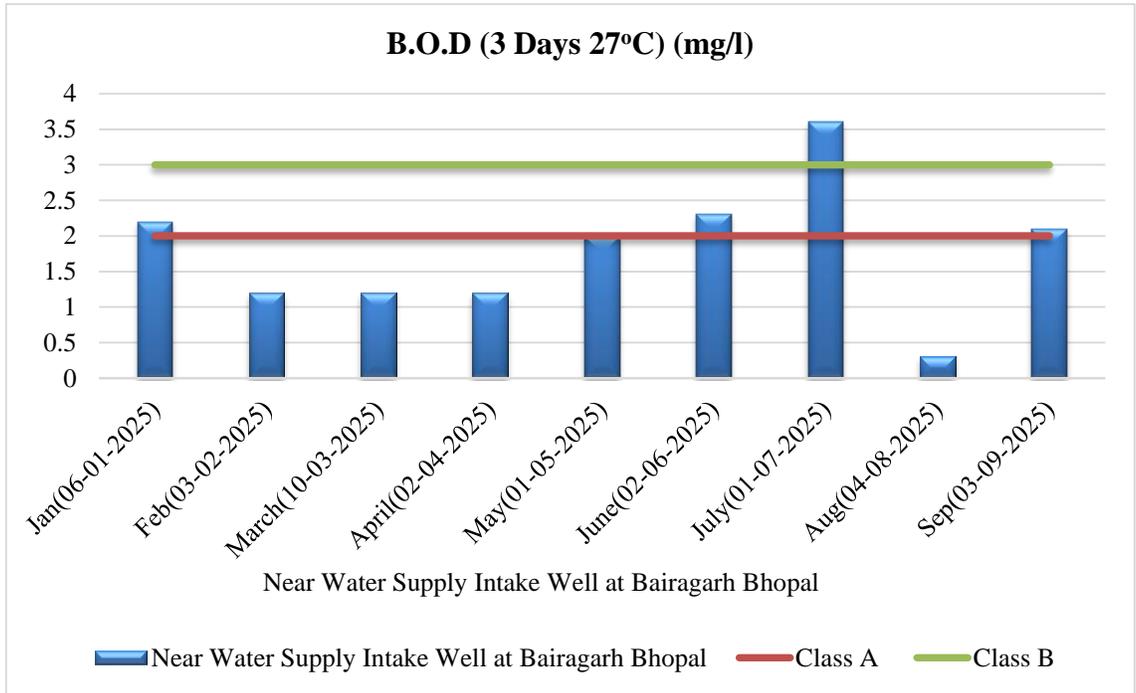
#### 4. Water Quality of Upper Lake, Bhopal:

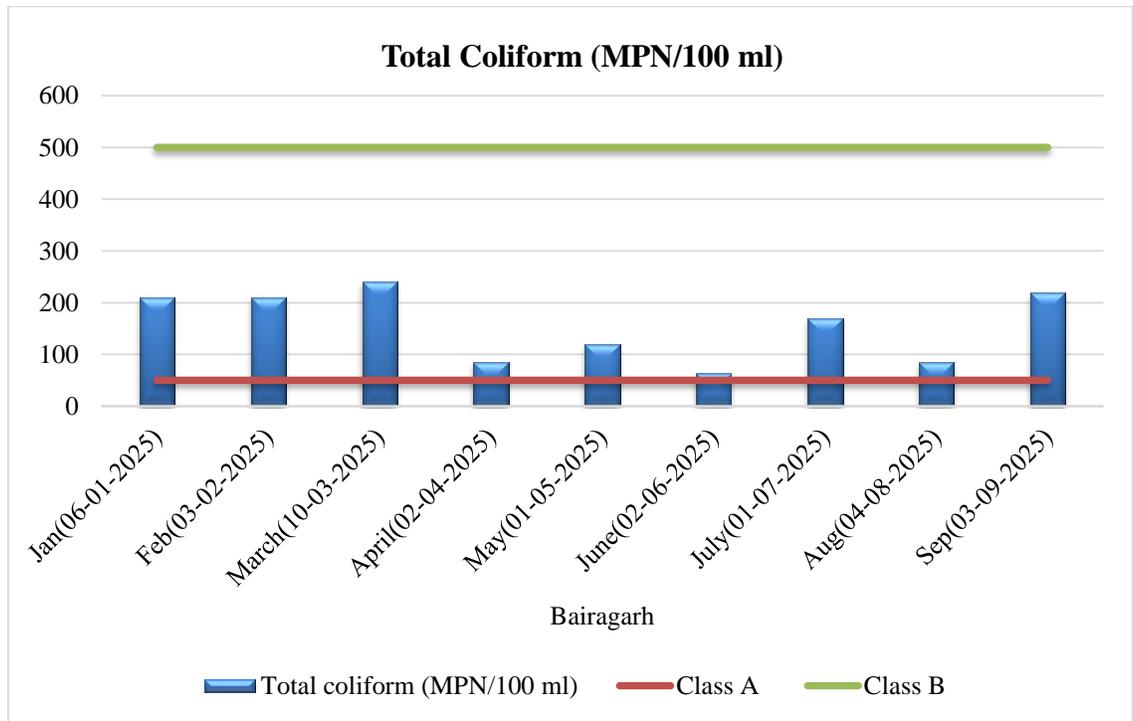
The water quality of Upper Lake, Bhopal is regularly monitored by MPPCB on monthly basis at five water sampling locations. Out of five sampling locations, four locations namely Intake well at Bairagarh, Bhopal, Intake point near Kamla Park, near water supply intake well near Karbala, Bhopal and Yatch Club are approved and sponsored by Central Pollution Control Board (CPCB) under National Water Monitoring Program(NWMP) and the results are sent to CPCB on monthly basis. One sampling location of Upper Lake, Bhopal is located at Khanugaon, Bhopal which is covered under MPPCB monthly package monitoring program.

The water quality analysis data of Upper Lake of above five sampling locations from January 2025 to September 2025 are tabulated in a comparative form and enclosed as **Annexure-3**. Accordingly, water quality analysis data of five locations are graphically represented and shown as under: -

**4.1 Near Water Supply Intake Well at Bairagarh Bhopal:** -The main parameters i.e, BOD, Dissolved Oxygen, and Total Coliforms for January 2025 to September 2025 are shown in following graph:

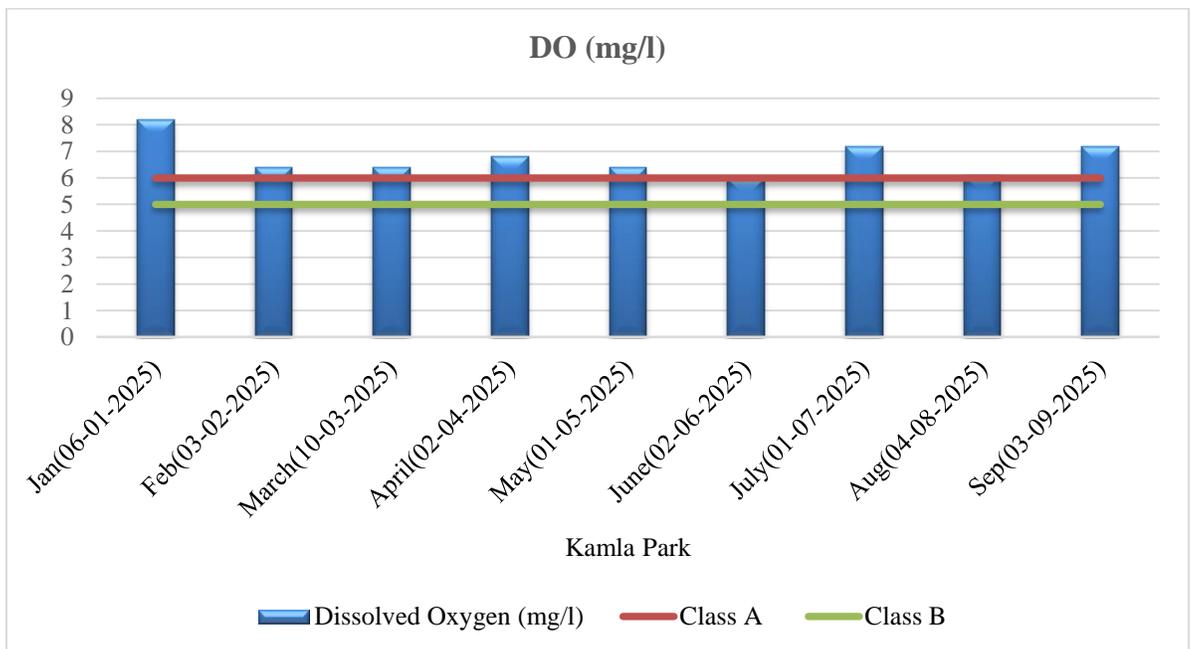
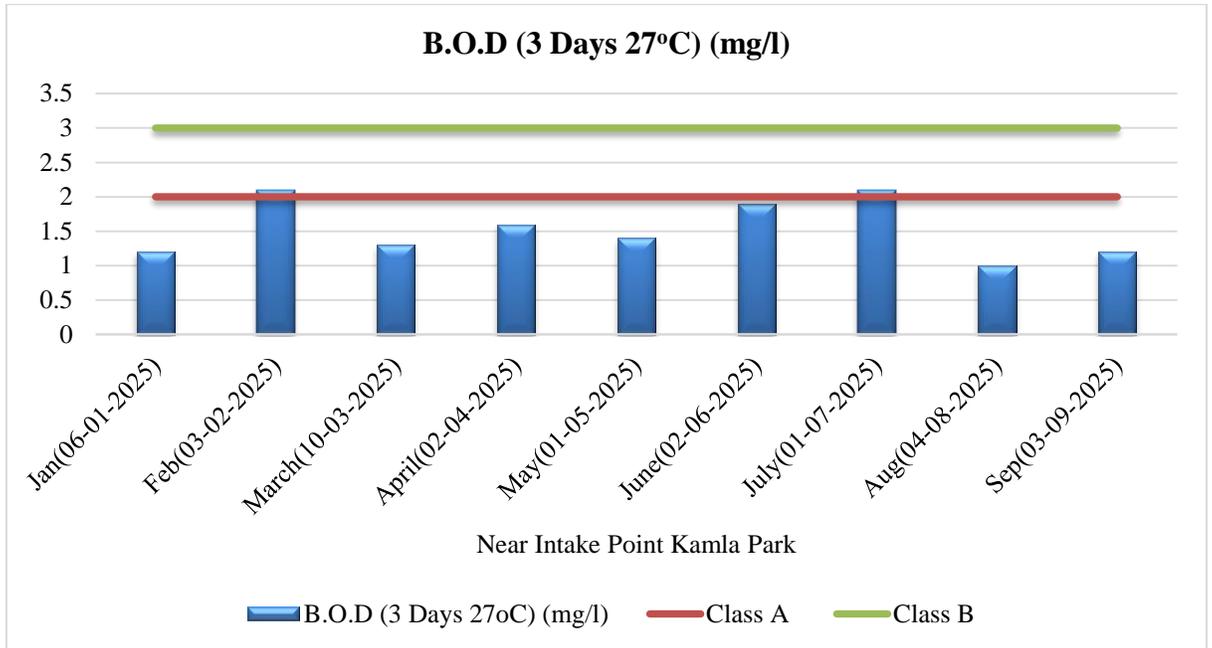
## Graphical Comparison

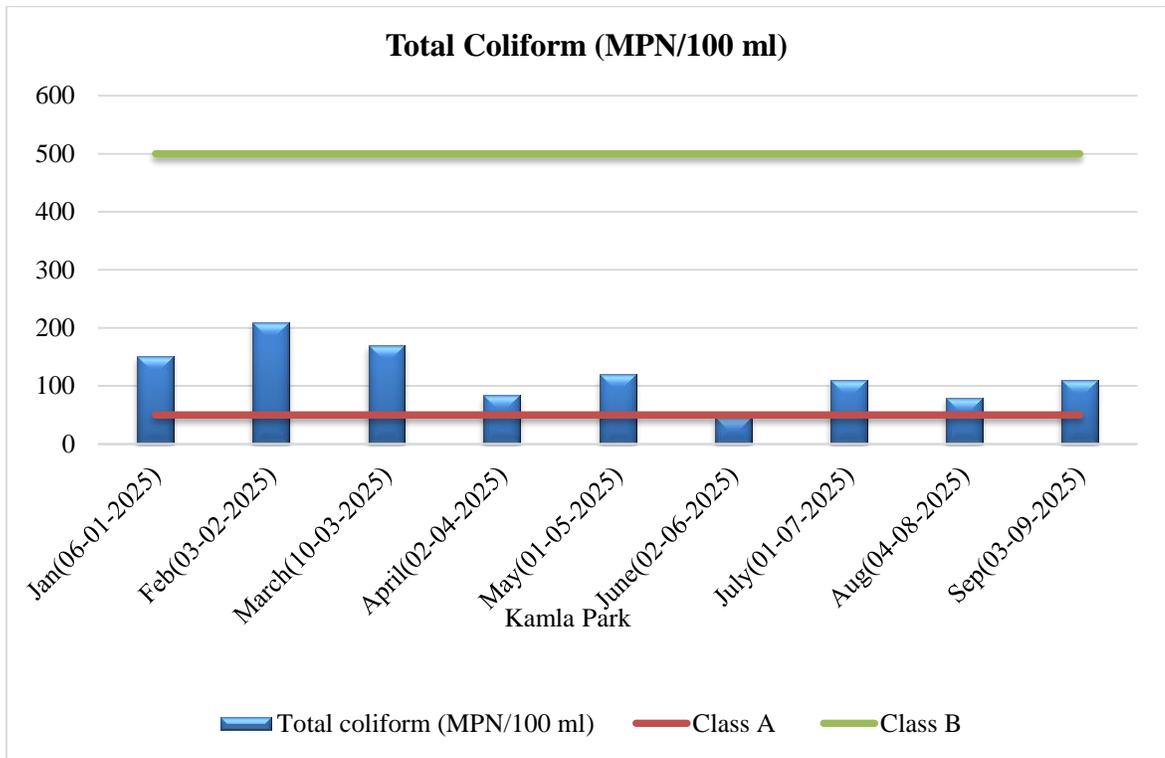




**4.2 Near Intake Point Kamla Park:** -The main parameters i.e, BOD, Dissolved Oxygen, and Total Coliforms for January 2025 to September 2025 are shown in following graph:

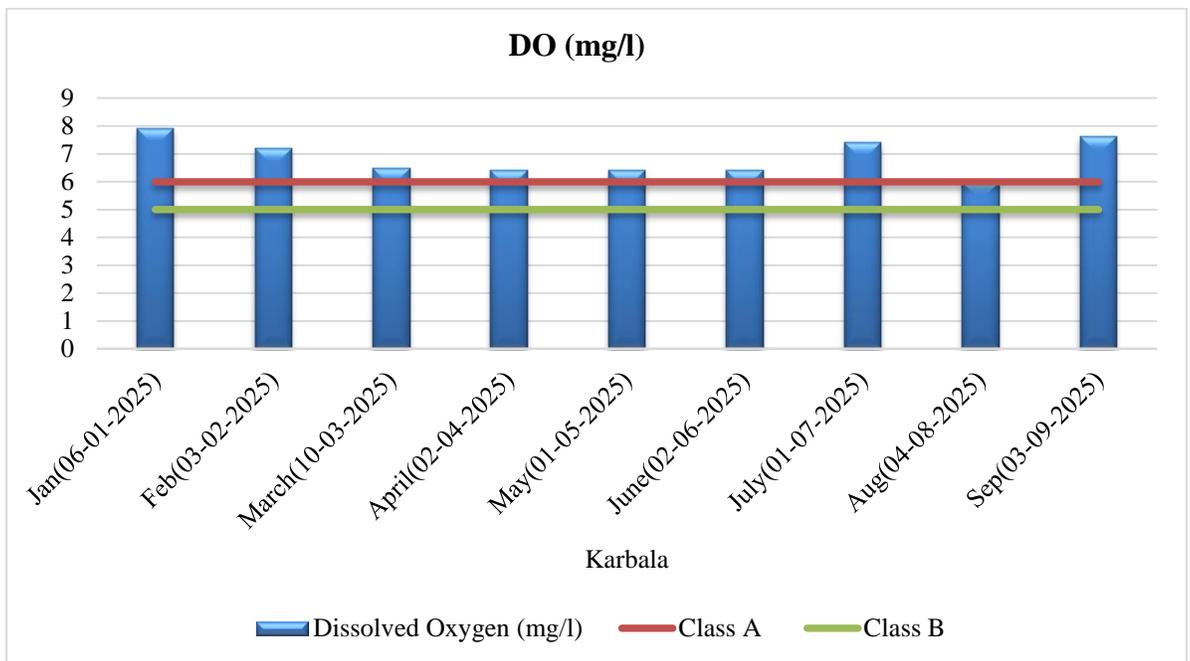
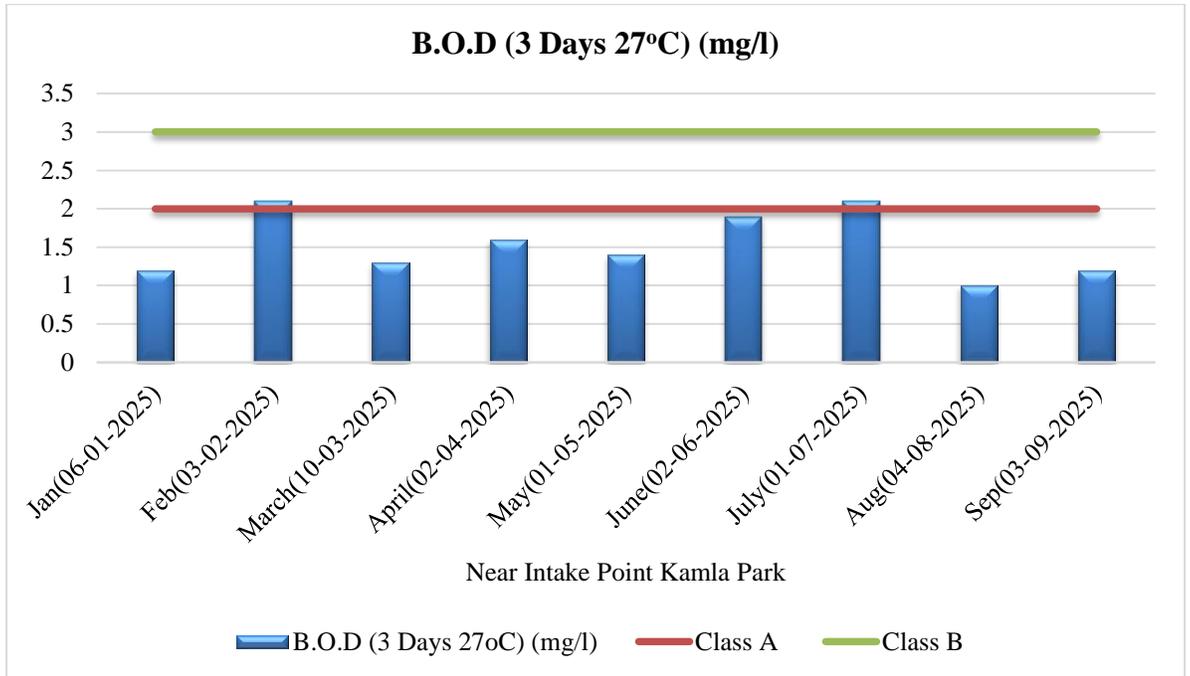
## Graphical Comparison

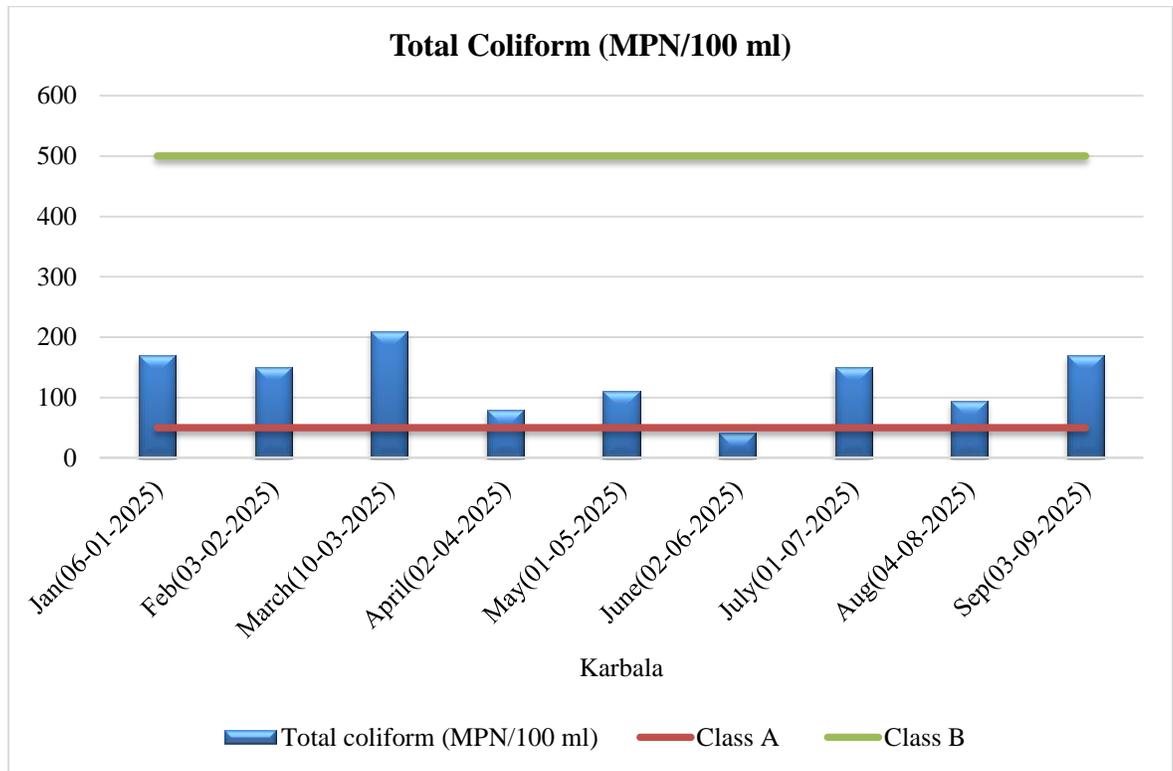




**4.3 Water Supply Intake Well Near Karbala:** -The main parameters i.e, BOD, Dissolved Oxygen, and Total Coliforms for January 2025 to September 2025 are shown in following graph:

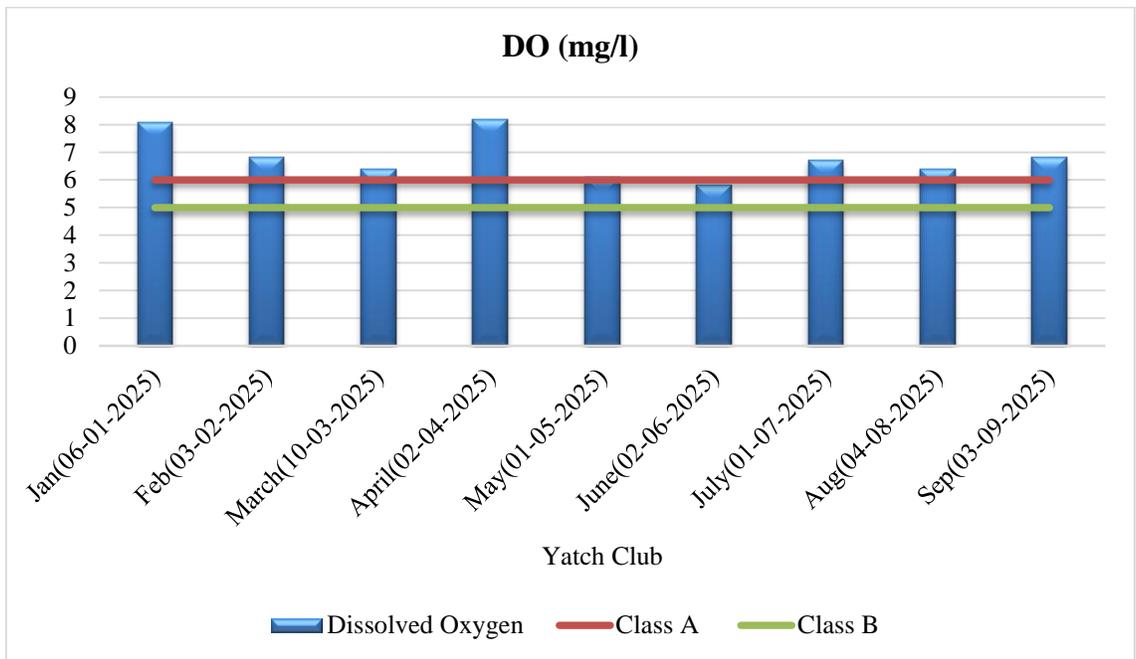
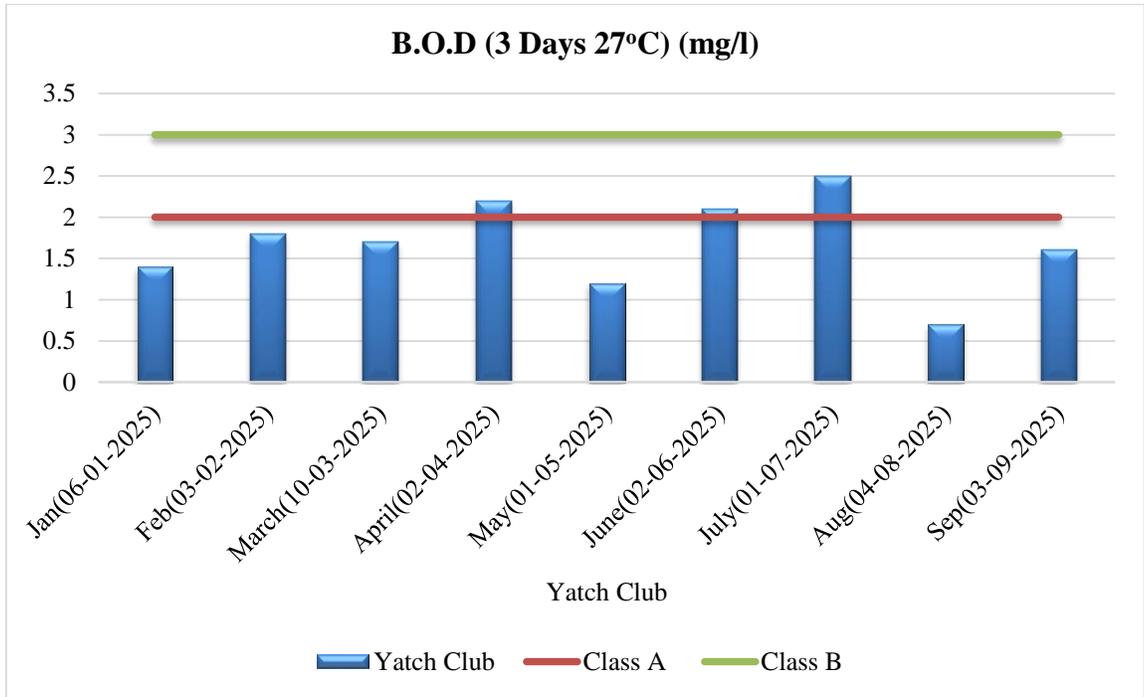
## Graphical Comparison

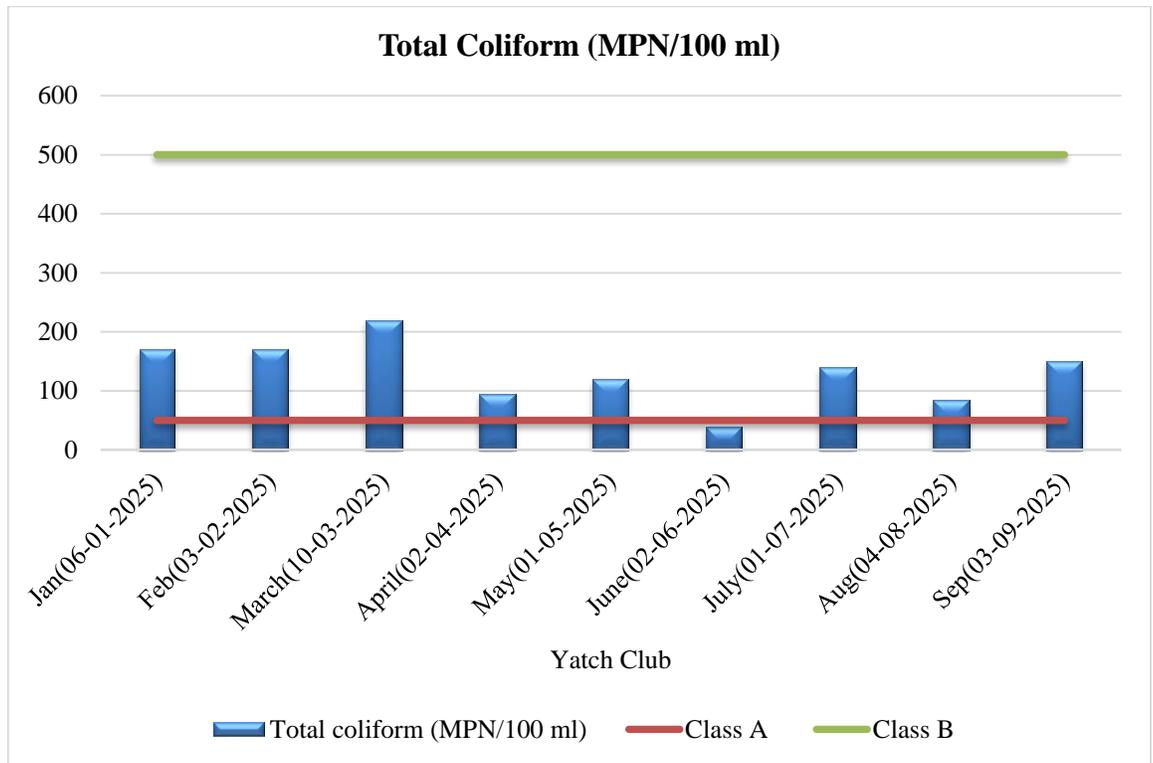




4.4 **Yatch Club:** -The main parameters i.e, BOD, Dissolved Oxygen, and Total Coliforms for January 2025 to September 2025 are shown in following graph:

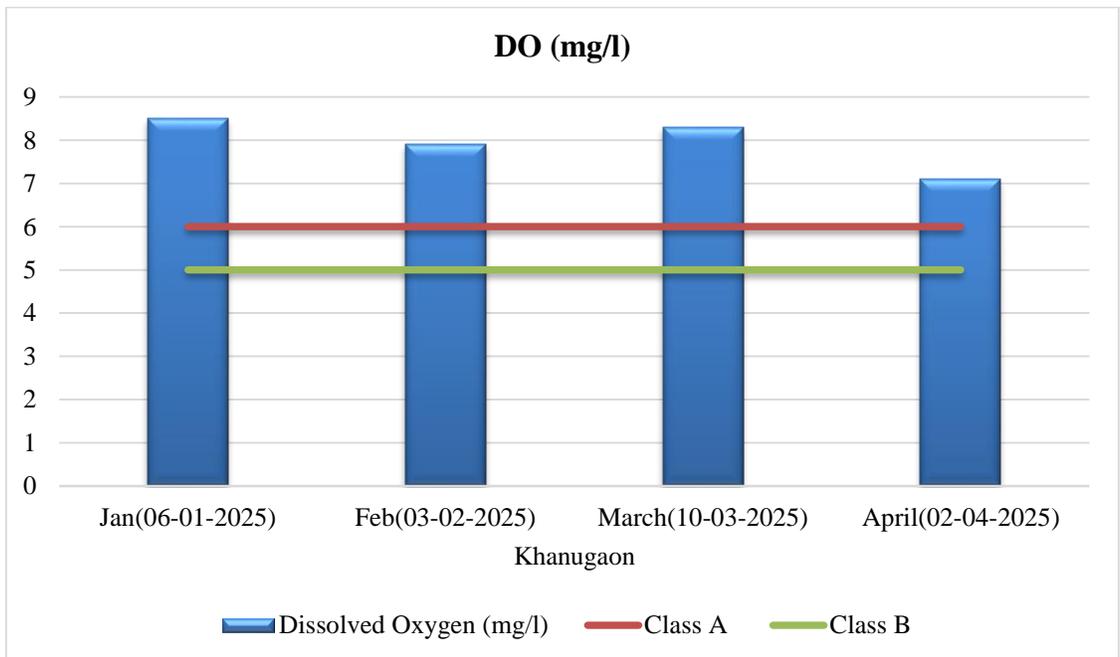
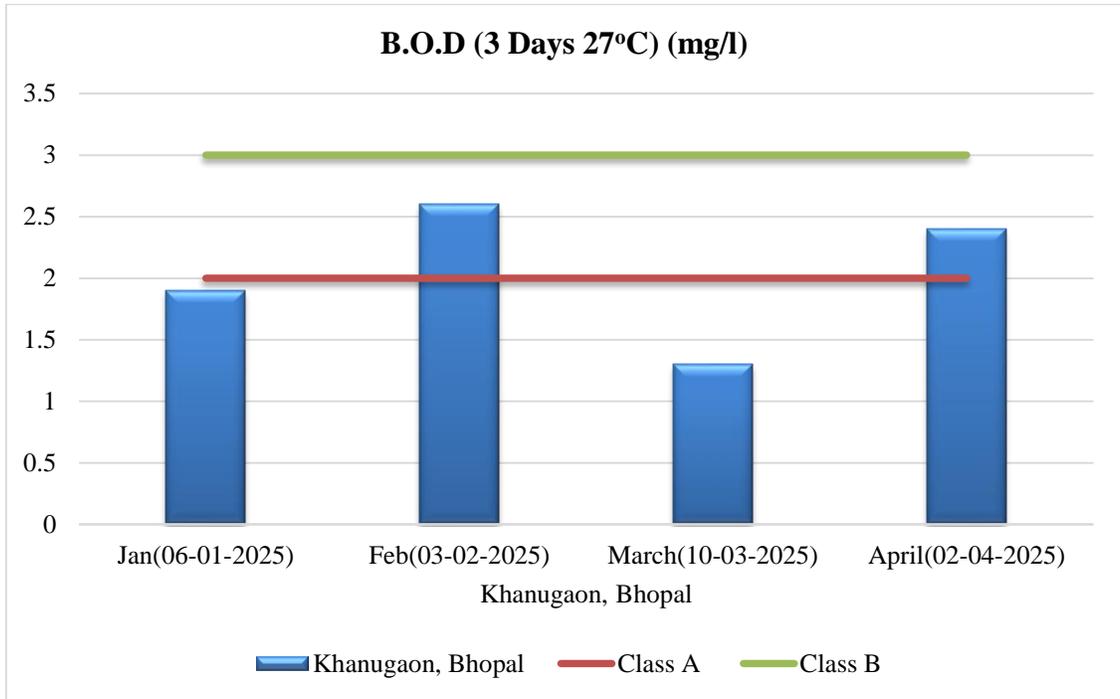
## Graphical Comparison

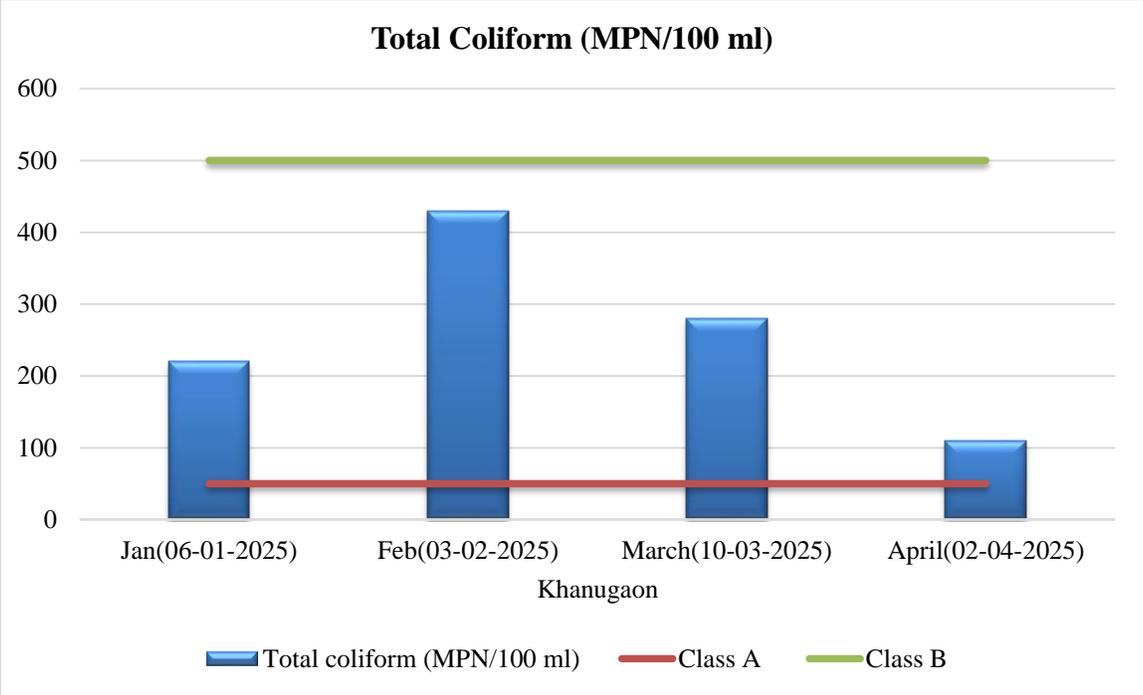




4.5 **Khanugaon, Bhopal:** - The main parameters i.e, BOD, Dissolved Oxygen, and Total Coliforms for January 2025 to April 2025 are shown in following graph:

## Graphical Comparison





5. That the water quality analysis report of the Upper Lake, based on the monthly data and results depicted in the graphs above, indicates the average BOD (3 Days 27°C) to be 1.83mg/l, average DO to be 7.10mg/l and Total Coliform (MPN/100 ml) in the range of 39-430.

In view of above observation, it is humbly submitted that while visiting the above mentioned locations, no such waste water discharge mixing into Upper lake is observed. Also, comparing the water quality analysis of the Upper lake, it is observed that sufficient dissolved oxygen is present to sustain the aquatic life. Also, as per CPCB water quality criteria, it is falling in B category with respect to average data of BOD, DO and Total Coliform. The overall water quality is showing that the water quality of Upper lake is satisfactory.

  
30/10/25

**Jainendra Chandel**

Chemist

Regional Office,

RO, MPPCB, Bhopal

  
30/10/2025

**Prakamya Tiwari**

AE

Regional Office,

RO, MPPCB, Bhopal



मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड,  
पर्यावरण परिसर, ई-5, अटल कॉलोनी, भोपाल-462016

Fax No : +91-755-2463742 E-mail : It\_mppcb@rediffmail.com



कमांक 3117 /विधि/NGT(CZ)/प्रनिबो/2025,  
प्रति,

भोपाल, दिनांक 10 OCT 2025

- 1 प्रमुख सचिव,  
मध्यप्रदेश शासन,  
नगरीय प्रशासन एवं विकास विभाग  
भोपाल।
- 2 कलेक्टर,  
कलेक्टर कार्यालय,  
भोपाल।
- 3 कमिश्नर  
नगर निगम कार्यालय,  
भोपाल।



विषय :- माननीय राष्ट्रीय हरित अधिकरण, सेन्ट्रल जोन बेंच भोपाल में OA 12/2025(राशिद नूर खॉन व कलेक्टर भोपाल व अन्य) के अन्तर्गत पारित आदेश दिनांक 07/10/2025 के अनुपालन बावत्।

उपरोक्त विषयान्तर्गत माननीय राष्ट्रीय हरित अधिकरण, सेन्ट्रल जोन बेंच भोपाल द्वारा OA 12/2025 के अन्तर्गत निराकृत आदेश दिनांक 07.10.2025 (संलग्न) के मुख्य अंश निम्नानुसार है :-

"20. In view of the above contentions, our directions are as follows:-

1. The copy of the application dated 04.05.2025 submitted by the Applicant with attached records relating to the encroachments be forwarded to the Respondents to submit the reply. Copy of the same be provided on available e-mail and through State PCB to the Collector, Bhopal, and the Commissioner, Bhopal Municipal Corporation, to examine the contents and illegal construction within the wetland and if the construction are found to be in violation of the Wetland (Conservation and Management) Rules, 2017, necessary action must be taken immediately and detailed report be submitted to the Tribunal within two weeks.
2. The Collector, Bhopal, and the Commissioner, Bhopal Municipal Corporation, are directed that there should not be any encroachments within the Bhoj Wetland in violation of Wetlands Rules, 2017, and no construction should be permitted or to be continued in violation of the said rules within the prohibited area and if it is in regulated area, necessary approvals from the competent authority must be obtained. Any construction in violation of Wetlands Rules must be strictly dealt with in accordance with rules.
3. There will not be discharge of any untreated water into the water bodies.
4. Right, title and interest of any person or any property in case of any grievance or dispute, may be raised before competent forum, revenue court or civil court.
5. The matter in issue in present application with regard to Bhoj Wetland and this Tribunal has directed the revenue authority for its identification and demarcation and the Revenue Authority/State Govt./District Administration has constituted a High Level Committee consisting all experts of the departments with the great exercise by the modern technology and its use identified Bhoj Wetland and demarcated it and now they are being protecting it.
6. Orders passed by the revenue authorities are within their territorial jurisdiction and anyone aggrieved by the order of the revenue authority may approach before the appropriate forum by way of appeal or revision. The matter of identification, demarcation and removal of encroachment have been raised before the revenue authorities which was heard and decided. The matter was again agitated before the Hon"ble High Court where the reliefs sought have not been granted.

AE(C)  
15/10/2025



**मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड,**  
**पर्यावरण परिसर, ई-5, अरेय कॉलोनी, भोपाल-462016**



Fax No : +91-755-2463742 E-mail : ll\_mppcb@rediffmail.com

21. In view of the seriousness of the matter, the Respondents, State of Madhya Pradesh, Department of Nagar Vikas, Collector, Bhopal, Bhopal Municipal Corporation and the State PCB, are directed to submit their reply with reference to the present petition/application and the details of the encroachments submitted by the Applicant vide application dated 04.05.2025 within two weeks.

List it on 31st October, 2025.

कृपया माननीय अधिकरण के आदेशानुसार 02 सप्ताह में Reply/जबाब माननीय अधिकरण के समक्ष प्रस्तुत किये जाने का अनुरोध है ।

संलग्न :- उपरोक्तानुसार

अधीक्षण यंत्री(विधि)

मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड, भोपाल

प्रतिलिपि :-

- ✓ 1. क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म0प्र0 प्रदूषण नियंत्रण बोर्ड, भोपाल की ओर सूचनार्थ । आपको निर्देशित किया जाता है कि माननीय अधिकरण के आदेशानुसार निर्धारित समयावधि में Reply/जबाब प्रस्तुत किया जाना सुनिश्चित करें ।

**Subject: Forwarding of Application and Order dated 07.10.2025 of Hon'ble NGT in OA 12/2025 (CZ) Rashid Noor Khan Vs Collector, Bhopal & Ors**

From: ro mppcb bpl <romppcb\_bpl@rediffmail.com> on Fri, 10 Oct 2025 11:23:41

To: "dmbhopal " <dmbhopal@nic.in>, "commoffice " <commoffice@bmconline.gov.in>

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**2 attachment(s)** - OA\_12-2025\_order\_dt\_07.10.2025.pdf (791.74KB) , OA\_12-2025\_Application\_dated\_04.05.2025.pdf (15.27MB)

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Respected Sir/Madam,

In compliance with the order dated 07/10/2025 of the **Hon'ble NGT** in **O.A. No.12/2025(CZ)** Rashid Noor Khan vs. Collector, Bhopal & Ors., a copy of the application dated 04/05/2025 along with the order dated 07/10/2025 of Hon'ble NGT is hereby forwarded for your kind perusal and necessary action. The case is next listed on dated 31/10/2025.

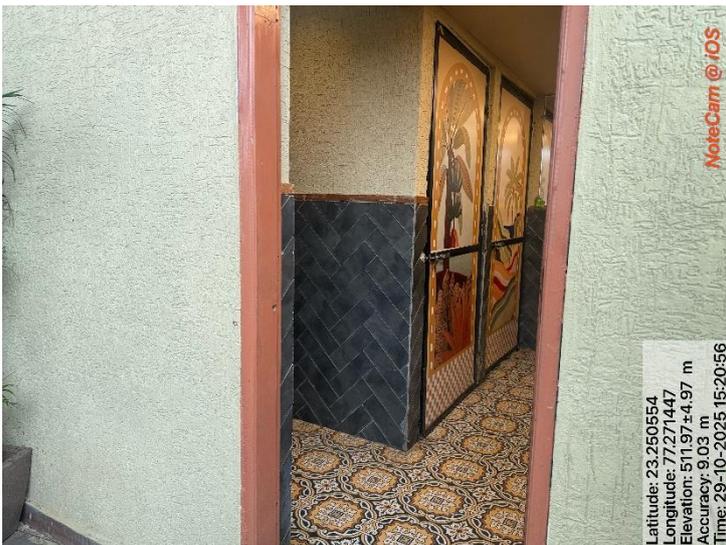
Thanks & Regards Regional Office, M.P. Pollution Control Board Bhopal

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INSPECTION PHOTOGRAPHS IN OA 12/2025 (CZ)

DATED 30/10/2025







**MADHYA PRADESH POLLUTION CONTROL BOARD BHOPAL**  
**Water Quality during January 2025- September 2025**

**Natural Water Resource : UPPER LAKE AT BHOPAL NEAR INTAKE POINT KAMLA PARK, M.P. (Sta. code- 1373) XGN ID: 22025**

Sr No	Par	Unit	Jan(06-01-2025)	Feb(03-02-2025)	March(10-03-2025)	April(02-04-2025)	May(01-05-2025)	June(02-06-2025)	July(01-07-2025)	Aug(04-08-2025)	Sep(03-09-2025)
1	Alkalinity as CaCO3	mg/l	96	132	122	108	112	114	116	112	102
2	Ammonical Nitrogen	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	B.O.D (3 Days 27oC)	mg/l	1.2	2.1	1.3	1.6	1.4	1.9	2.1	1	1.2
4	Boron	mg/l	0.27	BDL	BDL	BDL	BDL	BDL	BDL	-	BDL
5	Calcium	mg/l	24.82	36.04	27.23	25.63	27.23	22.42	20.82	22.42	23.22
6	Calcium Hardness as CaCO3	Mg/Lts	62	90	68	64	68	50	52	56	58
7	Chemical Oxygen Demand	mg/l	20	9.8	19.2	9.8	9.68	9.4	9.88	9.8	18.8
8	Chloride	mg/l	23.75	18.32	19.56	19.7	19.56	25.42	25.42	17.35	22.86
9	Colour	Pt.Co.Scale	5	30	10	5	5	20	10	10	5
10	Conductivity	micromho/cm	288.2	285.6	321.8	440.5	323	265	336.4	277.5	245.1
11	Dissolved Oxygen	mg/l	8.2	6.4	6.4	6.8	6.4	6	7.2	6.1	7.2
12	Fecal Coliform	MPN/100 ml	1.8	34	26	17	22	12	14	1.8	21
13	Fixed Dissolved Solids	mg/l	114	102	106	154	148	102	116	156	86
14	Fluoride	mg/l	BDL	0.07	BDL	BDL	BDL	BDL	BDL	0.75	BDL
15	Magnesium	mg/l	9.22	9.71	12.14	11.17	11.17	13.59	15.54	15.54	7.77
16	Magnesium Hardness as CaCO3	Mg/Lts	38	40	50	46	46	56	64	64	32
17	Nitrate	mg/l	2.75	2.86	2.46	2.68	3.21	2.39	3.92	4.29	4.08
18	Nitrite	mg/l	BDL	0.06	0.23	0.03	0.04	BDL	0.06	1.21	0.16
19	P-Alkanity	--	NIL	NIL	NIL	NIL	NIL	4	NIL	NIL	10
20	pH	pH Units	7.48	7.36	7.5	7.95	7.72	8.4	7.82	7.97	8.74
21	Phosphate	mg/l	0.37	0.1	BDL	0.07	0.02	BDL	0.01	0.05	BDL
22	Potassium	mg/l	-	1.14	1.07	1.54	1.45	1.26	1.93	0.86	2.6
23	Sodium	mg/l	-	4.87	7.23	7.64	6.94	13.05	11.22	5.1	20.57
24	Sodium Absorption Ratio(SAR)	SAR	NA	0.18	0.28	0.31	0.28	0.53	0.44	0.142	0.94
25	streptococci	MPN/100 ml	<1.8	<1.8	1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
26	Sulphate	mg/l	8.49	8.82	4.87	8.17	9.14	7.42	8.44	8.16	10.44
27	Suspended Solids	mg/l	25	22	32	24	20	52	38	26	38
28	Temperature	Centigrade	16	22	24	25	30	28	28	25	23
29	Total coliform	MPN/100 ml	150	210	170	84	120	46	110	79	110
30	Total Dissolved Solids	mg/l	192	186	218	296	228	178	232	224	172
31	Total Hardness as CaCO3	mg/l	100	130	118	110	114	106	116	120	90
32	Total Kjeldahl Nitrogen	mg/l	1.4	BDL	BDL	BDL	1.4	BDL	BDL	BDL	BDL
33	Total Solids	mg/l	217	208	250	320	248	230	270	250	210
34	Turbidity	N.T.U.	6.1	5.4	4.1	3.9	5.4	8.3	8.6	4.8	9.4
Category			B	B	B	B	B	B	B	B	B

**MADHYA PRADESH POLLUTION CONTROL BOARD BHOPAL**

**Water Quality during January 2025- September 2025**

**Natural Water Resource : Upper Lake at Yatch Club (Sta. code- 2137) XGN ID: 22114**

Sr No	Par	Unit	Jan(06-01-2025)	Feb(03-02-2025)	March(10-03-2025)	April(02-04-2025)	May(01-05-2025)	June(02-06-2025)	July(01-07-2025)	Aug(04-08-2025)	Sep(03-09-2025)
1	Alkalinity as CaCO3	mg/l	94	130	120	98	104	120	112	110	100
2	Ammonical Nitrogen	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	B.O.D (3 Days 27oC)	mg/l	1.4	1.8	1.7	2.2	1.2	2.1	2.5	0.7	1.6
4	Boron	mg/l	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	Calcium	mg/l	22.42	33.64	25.63	20.82	24.02	22.42	22.42	28.83	21.62
6	Calcium Hardness as CaCO3	Mg/Lts	56	84	25.63	52	60	56	56	72	54
7	Chemical Oxygen Demand	mg/l	30	9.8	19.2	9.8	9.68	28.2	9.88	9.8	18.8
8	Chloride	mg/l	19	13.49	19.56	20.68	20.54	24.45	25.42	16.39	19.88
9	Colour	Pt.Co.Scale	10	40	10	5	5	10	5	10	10
10	Conductivity	micromho/cm	320.1	305.3	308.2	331.4	303.2	277.3	296.7	280.6	245.3
11	Dissolved Oxygen	mg/l	8.1	6.8	6.4	8.2	6.1	5.8	6.7	6.4	6.8
12	Fecal Coliform	MPN/100 ml	1.8	26	32	21	32	15	17	1.8	26
13	Fixed Dissolved Solids	mg/l	116	106	102	112	142	108	108	124	92
14	Fluoride	mg/l	BDL	0.21	BDL	BDL	BDL	BDL	0.08	0.13	BDL
15	Magnesium	mg/l	10.19	10.68	10.68	11.65	11.65	13.59	12.62	10.19	6.31
16	Magnesium Hardness as CaCO3	Mg/Lts	42	44	10.68	48	48	56	52	42	26
17	Nitrate	mg/l	2.91	3.6	3.12	6.74	6.79	2.86	6.48	3.07	3.31
18	Nitrite	mg/l	BDL	0.06	0.46	BDL	0.02	0.18	0.002	0.93	0.02
19	P-Alkanity	--	NIL	NIL	NIL	NIL	NIL	6	NIL	NIL	10
20	pH	pH Units	7.44	7.83	7.72	7.7	8.05	8.6	8.11	8.09	8.63
21	Phosphate	mg/l	0.1	0.13	BDL	0.43	0.08	0.02	0.03	0.01	BDL
22	Potassium	mg/l	-	2.04	2.14	1.78	1.87	1.62	1.01	1.1	3.03
23	Sodium	mg/l	-	5.19	12.34	13.05	10.11	13.23	15.14	7.4	21.81
24	Sodium Absorption Ratio(SAR)	SAR	NA	0.19	0.51	0.56	0.41	0.54	0.63	0.212	1.05
25	streptococci	MPN/100 ml	<1.8	<1.8	1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
26	Sulphate	mg/l	9.75	13.6	6.82	12.09	12.41	6.34	9.64	11.38	9.78
27	Suspended Solids	mg/l	27	26	36	32	34	48	26	30	32
28	Temperature	Centigrade	17	23	23	25	30	29	27	26	23
29	Total coliform	MPN/100 ml	170	170	220	94	120	39	140	84	150
30	Total Dissolved Solids	mg/l	220	206	206	224	214	196	202	208	164
31	Total Hardness as CaCO3	mg/l	98	128	108	100	108	112	108	114	80
32	Total Kjeldahl Nitrogen	mg/l	1.4	BDL	BDL	BDL	1.4	2.8	BDL	BDL	BDL
33	Total Solids	mg/l	247	232	242	256	248	244	228	238	196
34	Turbidity	N.T.U.	5.6	3.9	3.8	6.8	6.5	6.6	2.8	2.9	11.4
Category			B	B	B	B	B	B	B	B	B

**MADHYA PRADESH POLLUTION CONTROL BOARD BHOPAL**

Water Quality during January 2025- September 2025

Natural Water Resource : Upper Lake Near Water Supply Intake Well at Bairagarh Bhopal (Sta. code- 2139) XGN ID: 22116

Sr No	Par	Unit	Jan(06-01-2025)	Feb(03-02-2025)	March(10-03-2025)	April(02-04-2025)	May(01-05-2025)	June(02-06-2025)	July(01-07-2025)	Aug(04-08-2025)	Sep(03-09-2025)
1	Alkalinity as CaCO3	mg/l	120	120	82	82	92	116	138	122	108
2	Ammonical Nitrogen	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	B.O.D (3 Days 27oC)	mg/l	2.2	1.2	1.2	1.2	2	2.3	3.6	0.3	2.1
4	Boron	mg/l	0.22	BDL	BDL	BDL	BDL	BDL	0.02	BDL	BDL
5	Calcium	mg/l	48.05	28.83	12.81	12.01	16.82	20.82	23.22	25.63	26.43
6	Calcium Hardness as CaCO3	Mg/Lts	84	72	32	30	42	52	58	64	66
7	Chemical Oxygen Demand	mg/l	30	9.8	19.2	9.8	9.68	28.2	19.76	9.8	28.4
8	Chloride	mg/l	21.85	19.28	20.53	21.67	20.54	32.27	38.14	14.46	25.98
9	Colour	Pt.Co.Scale	10	30	20	5	5	10	10	10	5
10	Conductivity	micromho/cm	308.2	301.6	240.2	261.3	334.7	352.2	328.5	250	254.5
11	Dissolved Oxygen	mg/l	7.3	10.4	6.6	6.2	6.4	7.2	7.8	6.5	6.3
12	Fecal Coliform	MPN/100 ml	9.3	31	41	21	27	20	21	1.8	38
13	Fixed Dissolved Solids	mg/l	102	112	98	92	152	112	106	106	94
14	Fluoride	mg/l	BDL	BDL	BDL	BDL	BDL	0.01	0.06	0.72	BDL
15	Magnesium	mg/l	13.59	12.62	11.17	10.68	9.22	16.02	16.51	16.02	8.25
16	Magnesium Hardness as CaCO3	Mg/Lts	44	52	46	44	38	66	68	66	34
17	Nitrate	mg/l	3.1	4.81	2.75	4.04	4.41	5.66	8.84	4.13	2.43
18	Nitrite	mg/l	0.04	0.23	0.23	BDL	0.02	0.05	0.04	0.86	0.2
19	P-Alkanity	--	NIL	NIL	8	NIL	NILL	Nil	NIL	NIL	8
20	pH	pH Units	7.35	8.04	8.63	8.27	7.82	7.88	8.26	8.79	8.36
21	Phosphate	mg/l	0.12	0.02	BDL	BDL	BDL	0.08	0.08	0.04	BDL
22	Potassium	mg/l	-	1.74	0.63	0.78	0.81	1.39	1.22	1.2	2.62
23	Sodium	mg/l	-	10.61	17.47	15.51	15.66	17.05	29.07	7.1	17.32
24	Sodium Absorption Ratio(SAR)	SAR	NA	0.41	0.85	0.77	0.77	0.68	1.12	0.19	0.76
25	streptococci	MPN/100 ml	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
26	Sulphate	mg/l	12.49	18.65	4.43	6.54	7.44	10.98	14.63	19.34	6.95
27	Suspended Solids	mg/l	32	36	30	26	32	34	32	24	44
28	Temperature	Centigrade	16	24	23	26	26	28	28	26	23
29	Total coliform	MPN/100 ml	210	210	240	84	120	63	170	84	220
30	Total Dissolved Solids	mg/l	206	192	164	176	232	218	194	166	168
31	Total Hardness as CaCO3	mg/l	128	124	78	74	80	118	126	130	100
32	Total Kjeldahl Nitrogen	mg/l	1.4	BDL	1.4	BDL	1.4	4.2	BDL	BDL	1.4
33	Total Solids	mg/l	238	228	194	202	264	252	226	190	212
34	Turbidity	N.T.U.	3	3.1	0.6	1.8	8.7	4.1	4.7	1.4	8.7
Category			B	B	B	B	B	B	B	B	B

**MADHYA PRADESH POLLUTION CONTROL BOARD BHOPAL**

**Water Quality during January 2025- September 2025**

**Natural Water Resource : Upper Lake Near Water Supply Intake Well Near Karbala Bhopal (Sta. code- 2138) XGN ID: 22115**

Sr No	Par	Unit	Jan(06-01-2025)	Feb(03-02-2025)	March(10-03-2025)	April(02-04-2025)	May(01-05-2025)	June(02-06-2025)	July(01-07-2025)	Aug(04-08-2025)	Sep(03-09-2025)
1	Alkalinity as CaCO3	mg/l	86	118	114	108	108	120	114	118	96
2	Ammonical Nitrogen	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3	B.O.D (3 Days 27oC)	mg/l	1.5	7.2	1.8	1.4	1.1	1.1	2.8	1.2	0.8
4	Boron	mg/l	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	Calcium	mg/l	23.22	29.63	24.02	24.02	25.63	22.42	24.02	26.43	21.62
6	Calcium Hardness as CaCO3	Mg/Lts	58	74	60	60	64	56	60	66	54
7	Chemical Oxygen Demand	mg/l	20	9.8	9.6	9.8	9.68	18.8	9.88	9.8	18.8
8	Chloride	mg/l	19.95	16.38	20.53	19.7	20.54	23.47	26.4	18.32	29.97
9	Colour	Pt.Co.Scale	10	30	10	5	5	10	5	10	5
10	Conductivity	micromho/cm	291.2	293.7	306.3	315.8	305.9	293.2	262.8	273.6	242.5
11	Dissolved Oxygen	mg/l	7.9	7.2	6.5	6.4	6.4	6.4	7.4	6	7.6
12	Fecal Coliform	MPN/100 ml	1.8	22	38	17	26	17	15	1.8	17
13	Fixed Dissolved Solids	mg/l	104	98	116	98	142	92	102	122	88
14	Fluoride	mg/l	BDL	0.19	BDL	BDL	BDL	BDL	BDL	0.48	BDL
15	Magnesium	mg/l	8.25	11.65	11.17	12.62	12.14	12.62	11.65	16.02	8.74
16	Magnesium Hardness as CaCO3	Mg/Lts	34	48	46	52	50	52	48	66	36
17	Nitrate	mg/l	2.98	3.07	2.28	5.26	6.22	3.05	7.67	4.19	2.29
18	Nitrite	mg/l	BDL	0.04	0.34	0.43	0.44	0.17	0.02	0.18	0.08
19	P-Alkanity	--	NIL	NIL	NIL	NIL	NIL	6	NIL	NIL	Nil
20	pH	pH Units	7.63	7.71	7.84	8.06	8.04	8.53	7.62	8.2	7.17
21	Phosphate	mg/l	0.17	0.12	BDL	BDL	0.02	BDL	0.08	0.13	BDL
22	Potassium	mg/l	-	1.87	1.55	1.66	1.68	1.18	1.15	0.57	2.96
23	Sodium	mg/l	-	5.29	10.84	10.17	10.28	14.96	17.52	4.1	17.09
24	Sodium Absorption Ratio(SAR)	SAR	NA	0.14	0.46	0.41	0.41	0.63	0.73	0.109	0.74
25	streptococci	MPN/100 ml	<1.8	<1.8	1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
26	Sulphate	mg/l	9.29	14.02	6.6	13.64	14.69	8.45	11.68	14.84	6.94
27	Suspended Solids	mg/l	27	30	28	28	38	42	28	28	28
28	Temperature	Centigrade	17	24	22	25	29	27	27	24	24
29	Total coliform	MPN/100 ml	170	150	210	79	110	41	150	94	170
30	Total Dissolved Solids	mg/l	198	182	212	206	216	184	176	198	156
31	Total Hardness as CaCO3	mg/l	92	122	106	112	114	108	108	132	90
32	Total Kjeldahl Nitrogen	mg/l	1.4	BDL	1.4	BDL	1.4	1.4	1.4	BDL	1.4
33	Total Solids	mg/l	225	212	240	234	254	226	204	226	184
34	Turbidity	N.T.U.	6.1	4.3	3.3	5.1	8.4	8.2	3.4	7.1	1.3
Category			B	B	B	B	B	A	B	B	B

**MADHYA PRADESH POLLUTION CONTROL BOARD BHOPAL**

**Water Quality during January 2025- October 2025**

**Natural Water Resource : Upper Lake, Khanugaon, Bhopal. XGN ID: 22158**

Sr No	Par	Unit	Jan(06-01-2025)	Feb(03-02-2025)	March(10-03-2025)	April(02-04-2025)						
1	Alkalinity as CaCO3	mg/l	120	120	116	96						
2	Ammonical Nitrogen	mg/l	BDL	BDL	BDL	BDL						
3	B.O.D (3 Days 27oC)	mg/l	1.9	2.6	1.3	2.4						
4	Boron	mg/l	0.22	BDL	BDL	BDL						
5	Calcium	mg/l	34.44	27.23	24.02	29.63						
6	Calcium Hardness as CaCO3	Mg/Lts	86	68	60	74						
7	Chemical Oxygen Demand	mg/l	20	19.6	19.2	19.6						
8	Chloride	mg/l	22.8	22.17	18.58	20.68						
9	Colour	Pt.Co.Scale	10	30	10	10						
10	Conductivity	micromho/cm	317.5	303.5	297.6	325.5						
11	Dissolved Oxygen	mg/l	8.5	7.9	8.3	7.1						
12	Fecal Coliform	MPN/100 ml	25	130	46	31						
13	Fixed Dissolved Solids	mg/l	116	114	102	106						
14	Fluoride	mg/l	BDL	BDL	BDL	BDL						
15	Magnesium	mg/l	8.74	14.57	10.68	3.88						
16	Magnesium Hardness as CaCO3	Mg/Lts	36	60	44	16						
17	Nitrate	mg/l	2.76	3.65	3.63	4.29						
18	Nitrite	mg/l	0.02	0.05	0.23	BDL						
19	P-Alkanity	--	NIL	NIL	NIL	NIL						
20	pH	pH Units	7.8	8.29	8.23	8.26						
21	Phosphate	mg/l	0.21	0.4	BDL	BDL						
22	Potassium	mg/l	-	2.18	1.96	2.08						
23	Sodium	mg/l	-	6.21	12.82	14.75						
24	Sodium Absorption Ratio(SAR)	SAR	NA	0.16	0.54	0.68						
25	streptococci	MPN/100 ml	<1.8	<1.8	<1.8	<1.8						
26	Sulphate	mg/l	11.98	10.49	8.68	10.73						
27	Suspended Solids	mg/l	25	32	26	30						
28	Temperature	Centigrade	17	23	23	26						
29	Total coliform	MPN/100 ml	220	430	280	110						
30	Total Dissolved Solids	mg/l	220	202	196	208						
31	Total Hardness as CaCO3	mg/l	122	128	104	90						
32	Total Kjeldahl Nitrogen	mg/l	1.4	1.4	BDL	1.4						
33	Total Solids	mg/l	245	234	222	238						
34	Turbidity	N.T.U.	4.5	3.8	3.9	6.9						
Category			B	B	B	B						