

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

Natural Water Resource : Upper Lake , Bhopal. (Distt.-Bhopal)

2137

Description of Sampling Station: Near w/s intake well at Yatch Club (South side o

XGN ID: 22114

S.N o.	Par	Unit	April(05- 04-2023)	May(03- 05-2023)	June(15- 06-2023)	July(04- 07- 08-2023)	Aug(02- 08- 09-2023)	Sep(25- 09- 10-2023)	Oct(12- 10-2023)	Nov(01- 11- 12-2023)	Dec(13- 12-2023)	Jan(09- 01-2024)	Feb(19-02- 2024)	March(12- 03-2024)	Av.	Maxi.	Mini.
1	Alkalinity	mg/l	118	110	112	114	90	82	100	112	102	#####	120	110	105.00	120.0	82.0
2	Ammo. Nitrogen	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
3	B.O.D	mg/l	1.9	1.1	1.4	1.6	1.3	1.4	1.7	0.9	1.8	1.6	0.9	0.5	1.34	1.9	0.5
4	Boron	mg/l	BDL	BDL	BDL	BDL	0.4	0.24	0.21	0.12	BDL	BDL	BDL	0.14	0.22	0.4	0.1
5	Calcium	mg/l	28.03	30.43	32.8	44.05	25.63	21.62	25.63	29.63	28.03	28.83	28.03	18.42	28.43	44.1	18.4
6	Calcium	Mg/Lt	70	76	82	110	64	84	64	74	70	72	70	46	73.50	110.0	46.0
7	Chemical	mg/l	19.6	19.6	9.88	9.52	10	19.6	20	19.76	19.6	9.8	10	10	14.78	20.0	9.5
8	Chloride	mg/l	18.18	16.27	20.9	18.21	22.66	21.21	22.99	21.68	22.97	21.99	22.99	16.39	20.54	23.0	16.3
9	Colour	Pt.Co.	20	50	40	20	30	30	50	20	40	40	30	30	33.33	50.0	20.0
10	Conductivit	micro	240	247.3	301.4	228.2	257	231	246	266.8	276.6	280.1	279.8	314.6	264.07	314.6	228.2
11	Dissolved	mg/l	7	6.6	8.8	6.8	8	8.6	8	7.3	10.4	6.6	8.6	7.9	7.88	10.4	6.6
12	Fecal	MPN/	12	4.1	17	12	10	21	21	25	108	104	4.5	21	29.97	108.0	4.1
13	Fixed	mg/l	NA	Instrume	instrume	instrum	NA	90	94	110	BDL	BDL	110	82	97.20	110.0	82.0
14	Fluoride	mg/l	0.67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.67	0.7	0.7
15	Magnesium	mg/l	13.11	9.71	9.71	7.77	8.74	7.28	9.71	8.74	9.71	6.31	14.08	16.99	10.16	17.0	6.3
16	Hardnes	Mg/Lt	54	40	40	32	36	54	40	36	40	26	58	70	43.83	70.0	26.0
17	Mangenese	mg/l	0.14												0	0.1	0.1
18	Nitrate	mg/l	1.41	3.58	2.44	3.06	3.14	1.34	2	2.3	3.76	2.11	3.11	5.52	3	5.5	1.3
19	Nitrite	mg/l	0.06	0.02	BDL	BDL	0.03	0.04	0.04	0.02	0.03	0.02	0.04	0.07	0	0.1	0.0
20	P-Alkanity	--	NIL	NIL	NIL	18	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	18	18.0	18.0
21	pH	pH	8.2	8.02	7.39	8.41	7.93	8.5	8.22	8.11	8.05	8.26	7.94	7.5	8.04	8.5	7.4
22	Phosphate	mg/l	0.69	BDL	0.94	0.28	BDL	0.05	0.03	0.04	BDL	BDL	0.02	BDL	0.29	0.9	0.0
23	Potassium	mg/l	1.37	0.84	2.97	0.95	2.82	2.26	2.42	2.71	1.74	1.07	1.95	1.3	1.87	3.0	0.8
24	Sodium	mg/l	4.84	3.89	15.51	5.01	11.01	11.16	10.21	5.2	7.98	6.89	4.85	4.82	7.61	15.5	3.9
25	SAR	SAR	0.18	0.15	0.6	0.17	0.47	0.41	0.42	0.21	0.32	0.3	0.18	0.18	0.30	0.6	0.2
26	streptococc	MPN/	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2	1.8	1.8
27	Sulphate	mg/l	7.47	9.75	7.01	6.52	12.73	7.27	8.89	6.14	10.85	8.1	8.01	7.09	8.32	12.7	6.1
28	Suspended	mg/l	10	20	28	22	22	25	20	28	24	22	22	20	21.92	28.0	10.0
29	Temperatur	Centig	22	23	27	29	23	24	25	22	22	19	21	20	23.08	29.0	19.0
30	Total	MPN/	240	140	240	35	280	210	210	150	63	170	140	140	168.17	280.0	35.0
31	Total	mg/l	179	175	218	176	164	152	172	180	185	180	192	202	181.25	218.0	152.0
32	Total	mg/l	124	116	122	142	100	84	104	110	110	98	128	116	112.83	142.0	84.0
33	Total	mg/l	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.52	2.8	1.4
34	Total	mg/l	189	195	246	198	186	177	192	208	209	202	214	222	203.17	246.0	177.0

35	Turbidity	N.T.U.	4	5.3	10.2	10.4	6.6	5.2	5.2	9.6	2.8	8	1.4	2.4	5.93	10.4	1.4
36	Zinc	mg/l	0.02												0.02	0.0	0.0
Category - B																	

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

Natural Water Resource : Upper Lake , Bhopal(Dist)

XGN ID: 22115

Description of Sampling Station : Near w/s intake well at Karbala (North side of the Lake)

S.N o.	Par	Unit	April(05- 04-2023)	May(03- 05-2023)	June(15- 06-2023)	July(04- 07- 08-2023)	Aug(02- 08- 09-2023)	Sep(28- 09- 10-2023)	Oct(12- 10-2023)	Nov(01- 11- 12-2023)	Dec(13- 12-2023)	Jan(09- 01-2024)	Feb(19-02- 2024)	March(12- 03-2024)	Av.	Maxi.	Mini.
1	Alkalinity	mg/l	114	108	98	122	100	128	98	104	102	100	114	120	109.00	128.0	98.0
2	Ammonical	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
3	B.O.D	mg/l	2	1.5	1.3	2	1.8	1.2	1.8	0.6	1.4	1.2	0.7	0.6	1.34	2.0	0.6
4	Boron	mg/l	BDL	BDL	BDL	BDL	0.4	BDL	0.36	BDL	BDL	BDL	BDL	BDL	0.38	0.4	0.4
5	Calcium	mg/l	31.23	25.63	27.23	39.24	26.43	33.64	27.23	28.03	22.42	32.83	29.63	17.62	28.43	39.2	17.6
6	Calcium	Mg/Lt	78	64	68	98	66	84	68	70	56	82	74	44	71.00	98.0	44.0
7	Chemical	mg/l	29.4	19.6	9.88	19.6	20	9.88	20	9.88	9.8	19.76	10	10	15.65	29.4	9.8
8	Chloride	mg/l	19.14	15.31	21.85	16.4	18.72	20.24	20.99	18.72	21.05	20.99	23.99	18.32	19.64	23.99	15.31
9	Colour	Pt.Co.	30	40	30	40	30	40	40	20	40	40	30	30	34.17	40	20
10	Conductivity	micro	238	234.7	295.4	220.2	256	307.2	227	272.3	305.5	282.3	285.6	331.3	271.29	331.3	220.2
11	Dissolved	mg/l	6.8	9.9	10.1	6.4	7.5	7.8	7.8	4.4	11.1	5.8	7.4	6	7.58	11.1	4.4
12	Fecal	MPN/	2	3.5	14	17	8.1	17	21	48	12	6.1	6.1	17	14.32	48	2
13	Fixed	mg/l	Instrume	Instrume	instrume	instrum	NA	120	86	124	122	104	102	86	106.29	124	86
14	Fluoride	mg/l	0.5	BDL	0.1	BDL	0.35	0.28	0.34	0.29	0.18	0.14	BDL	0.22	0.27	0.50	0.1
15	Magnesium	mg/l	8.25	11.65	9.23	10.21	10.19	11.66	8.25	6.31	12.63	7.28	13.59	19.42	10.72	19.42	6.31
16	Magnesium	Mg/Lt	34	48	38	42	42	48	34	26	52	30	56	80	44.17	80.00	26
17	Nitrate	mg/l	1.41	3.64	2.93	1.8	3.17	5.36	2.98	5.82	4.36	3.14	4.22	3.34	3.51	5.82	1.41
18	Nitrite	mg/l	0.06	0.02	BDL	BDL	0.03	BDL	0.03	0.02	BDL	0.03	0.02	0.05	0.03	0.06	0.02
19	pH	pH	8.12	8.04	7.47	8.59	8.28	7.68	8.29	8.09	8.06	7.98	7.4	7.41	7.95	8.59	7.4
20	Phosphate	mg/l	1.14	BDL	BDL	0.36	BDL	BDL	BDL	BDL	0.02	0.04	0.05	BDL	0.32	1.14	0.02
21	Potassium	mg/l	2.35	1.03	3.22	0.93	2.59	1.62	2.5	2.79	0.49	0.94	1.48	1.85	1.82	3.22	0.49
22	Sodium	mg/l	8.59	4.97	16.01	4.11	8.71	7.82	9.27	13.29	4.18	4.81	3.91	5.45	7.59	16.01	3.91
23	Sodium	SAR	0.35	0.2	0.67	0.94	0.35	0.29	0.396	0.58	0.59	0.17	0.15	0.2	0.41	0.94	0.15
24	streptococc	MPN/	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.80	1.8	1.8
25	Sulphate	mg/l	6.62	10.53	6.99	7.17	12.64	12.38	11.27	12.42	11.31	8.55	8.14	8.11	9.68	12.64	6.62
26	Suspended	mg/l	7	25	22	30	20	26	20	38	28	26	20	32	24.50	38	7
27	Temperatur	Centig	23	0	28	26	23	24	26	22	20	18	23	20	21.08	28	0
28	Total	MPN/	170	110	210	50	210	220	210	110	84	140	210	170	157.83	220	50
29	Total	mg/l	185	165	220	165	158	198	158	190	210	180	196	220	187.08	220	158
30	Total	mg/l	112	112	106	140	108	132	102	96	108	112	130	124	115.17	140	96
31	Total	mg/l	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	1.4	1.4	1.75	2.8	1.4

32	Total	mg/l	192	190	242	195	178	224	178	228	238	206	216	252	211.58	252	178
33	Turbidity	N.T.U.	4.8	5.8	11.6	23.8	6.4	2.6	5.1	5.2	2.4	4	1.8	2.7	6.35	23.8	1.8
34	Zinc	mg/l	0.02												0.02	0.02	0.02
Category - B																	

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

Natural Water Resource : Upper Lake 2139

Description of Sampling Station : Near w/s intake well at

XGN ID: 22116

S.N o.	Par	Unit	April(05-04-2023)	May(03-05-2023)	June(15-06-2023)	July(04-07-07-08-08-09-09-10-10-2023)	Aug(02-08-09-09-10-10-2023)	Sep(28-09-11-11-12-2023)	Oct(12-10-2023)	Nov(01-11-12-2023)	Dec(13-12-2023)	Jan(09-01-2024)	Feb(19-02-2024)	March(12-03-2024)	Av.	Maxi.	Mini.
1	Alkalinity	mg/l	114	106	96	104	102	140	94	116	95	92	114	100	106.08	140.0	92.0
2	Ammonical	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
3	B.O.D	mg/l	1.3	1.6	1.8	1.8	1.3	1.5	1.4	0.5	1.4	1.5	0.8	0.6	1.29	1.8	0.5
4	Boron	mg/l	BDL	BDL	BDL	BDL	0.38	0.14	0.38	0.12	BDL	BDL	BDL	0.11	0.23	0.4	0.1
5	Calcium	mg/l	31.23	27.23	28.83	24.02	25.63	30.44	26.43	28.83	25.63	30.43	32.03	18.42	27.43	32.0	18.4
6	Calcium	Mg/Lt	78	68	72	60	64	76	66	72	64	76	80	46	68.50	80.0	46.0
7	C.O.D.	mg/l	19.6	19.6	19.76	9.52	10	9.88	10	9.88	19.6	19.76	10	10	13.97	19.8	9.5
8	Chloride	mg/l	30.62	16.27	19	20.61	20.69	23.14	22.99	19.71	25.84	20.99	22.99	22.17	22.09	30.6	16.3
9	Colour	Pt.Co.	30	30	50	30	20	50	50	30	50	20	30	30	35.00	50.0	20.0
10	Conductivit	micro	249.2	254.3	297.1	266.7	259	276	218	281.5	277.2	281.6	286.9	308.7	271.35	308.7	218.0
11	Dissolved	mg/l	7.3	5.2	7.9	6.3	7.8	7.2	7.8	7.7	9.7	6.4	7.9	4.6	7.15	9.7	4.6
12	Fecal	MPN/	4	33	17	12	6	21	6	21	1.8	4.5	5.5	25	13.07	33.0	1.8
13	Fixed	mg/l	Instrume	Instrume	instrume	instrum	NA	104	80	128	104	104	104	82	100.86	128.0	80.0
14	Fluoride	mg/l	0.6	BDL	0.23	BDL	BDL	0.36	0.32	0.63	0.32	0.23	BDL	0.36	0.38	0.6	0.2
15	Magnesium	mg/l													10.65	17.5	5.8
			11.17	11.17	7.28	12.68	10.19	17.48	8.74	7.77	7.77	5.82	10.68	16.99			
16	Magnesium Hard.	Mg/Lt s	46	46	30	52	42	72	36	32	32	24	44	70	43.83	72.0	24.0
17	Nitrate	mg/l	1.62	3.08	2.87	1.16	3.39	4.53	3.21	2.72	4.53	2.85	3.58	3.86	3.12	4.5	1.2
19	Nitrite	mg/l	0.08	0.03	BDL	BDL	0.03	BDL	0.04	BDL	BDL	0.04	0.02	0.02	0.04	0.1	0.0
20	P-Alkanity	--	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL			
21	pH	pH	8.3	8.03	7.57	7.51	8.3	7.83	7.71	7.58	8.15	8.13	7.44	7.49	7.84	8.3	7.4
22	Phosphate	mg/l	1.27	BDL	BDL	0.98	BDL	BDL	BDL	BDL	BDL	0.03	0.04	BDL	0.58	1.3	0.0
23	Potassium	mg/l	2.31	1.18	3.2	1.21	3.33	1.36	3.3	2.96	1.8	1.72	1.69	1.24	2.11	3.3	1.2
24	Sodium	mg/l	8.6	4.27	14.71	5.16	12.38	6.47	11.48	13.05	6.3	6.28	4.62	4.64	8.16	14.7	4.3
25	SAR	SAR	0.33	0.17	0.63	1.1	0.51	0.23	0.485	0.55	0.27	0.27	0.18	0.18	0.41	1.1	0.2
26	streptococc	MPN/	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.80	1.8	1.8
27	Sulphate	mg/l	6.92	9.67	11.12	10.38	13.86	8.89	12.21	7.98	9.89	7.77	7.98	8.02	9.56	13.9	6.9

28	Suspended Solids	mg/l	11	26	38	40	22	22	25	22	22	20	34	28	25.83	40.0	11.0
29	Temperatur	Centig	21	26	27	24	23	23	25	23	21	18	23	21	22.92	27.0	18.0
30	Total	MPN/	110	220	280	36	150	280	150	130	79	280	170	130	167.92	280.0	36.0
31	Total	mg/l	179	177	216	200	160	178	152	198	180	178	194	204	184.67	216.0	152.0
32	Total	mg/l	124	114	102	112	106	148	102	104	96	100	124	116	112.33	148.0	96.0
33	Total	mg/l	1.4	2.8	2.8	1.4	1.4	4.2	1.4	2.8	4.2	1.4	1.4	1.4	1.4	4.2	1.4
34	Total	mg/l	190	203	254	240	182	200	177	220	202	198	228	232	184	254.0	177.0
35	Turbidity	N.T.U.	4.6	5	14.5	13.5	7.4	2.8	2.9	4.8	3.8	6	2.2	1.9	6.5	14.5	1.9

Category - B

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

XGN ID: 22025

Natural Water Resource : Upper Lake,at Kamla Park Near w/s.intake well I

Description of Sampling Station :

S.N o.	Par	Unit	April(05-04-2023)	May(03-05-2023)	June(15-06-2023)	July(04-07-08-08-09-10-2023)	Aug(02-08-09-10-2023)	Sep(25-09-10-2023)	Oct(12-10-2023)	Nov(01-11-12-2023)	Dec(13-12-2023)	Jan(09-01-2024)	Feb(08-02-2024)	March(06-03-2024)	Av.	Maxi.	Mini.
1	Alkalinity	mg/l	104	98	100	128	98	96	94	108	98	100	110	126	105.00	128.0	94.0
2	Ammonical	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			
3	B.O.D (3	mg/l	1.5	1	1.8	1.7	1.4	1.8	1.8	1.4	1.1	1.3	2.1	0.6	1.46	2.1	0.6
4	Boron	mg/l	BDL	BDL	BDL	BDL	0.4	0.28	0.28	0.38	BDL	BDL	0.32	0.21	0.31	0.4	0.2
5	Calcium	mg/l	29.63	28.03	26.43	45.65	24.02	24.02	24.02	32.03	29.63	30.43	31.23	30.43	29.63	45.7	24.0
6	Calcium	Mg/Lt	74	70	66	114	60	60	60	80	74	76	78	76	74.00	114.0	60.0
7	Chemical	mg/l	19.6	9.8	9.88	9.52	20	19.6	20	19.76	9.8	9.8	9.52	9.8	13.92	20.0	9.5
8	Chloride	mg/l	21.05	18.58	19.95	16.16	20.69	23.14	21.99	19.71	21.05	20.99	19.28	18.58	20.10	23.1	16.2
9	Colour	Pt.Co.	20	30	30	30	40	30	40	20	50	30	70	20	34.17	70.0	20.0
10	Conductivit	micro	237	253.7	287.5	263.9	254	283	237	273.1	292.5	276.9	254	295.7	267.36	295.7	237.0
11	Dissolved	mg/l	7.4	6.4	8.2	6.6	7.8	7.9	7.9	7.2	2.5	6	8.2	6	6.84	8.2	2.5
12	Fecal	MPN/	9.2	9.8	11	15	9.3	25	25	21	1.8	5.5	25	21	14.88	25.0	1.8
13	Fixed	mg/l	NA	Instrume	instrume	instrum	NA	100	88	120	126	102	100	120	108.00	126.0	88.0
14	Fluoride	mg/l	0.8	BDL	0.21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	0.41	0.8	0.2
15	Magnesium	mg/l	9.71	10.19	9.22	5.82	11.89	10.19	8.74	5.34	12.83	8.25	8.74	13.59	9.54	13.6	5.3
16	Magnesium	Mg/Lt	40	42	38	24	46	42	36	22	26	34	36	56	36.83	56.0	22.0
17	Nitrate	mg/l	1.95	3.67	1.18	3.86	2.99	2.92	2.92	3.01	3.65	3.57	0.52	2.69	2.74	3.9	0.5
18	Nitrite	mg/l	0.12	0.02	BDL	BDL	0.03	0.04	0.04	0.06	0.02	0.02	BDL	0.02	0.04	0.1	0.0
19	pH	pH	7.88	8.02	7.54	7.83	8.32	7.83	7.79	8.14	7.6	7.97	8.39	8.04	7.95	8.4	7.5
20	Phosphate	mg/l	1.7	BDL	BDL	0.2	0.05	0.21	0.21	0.81	BDL	BDL	BDL	0.04	0.46	1.7	0.0
21	Potassium	mg/l	1.25	0.25	2.91	0.66	3.09	2.38	2.26	2.72	1.58	1.52	2.1	1.38	1.84	3.1	0.3
22	Sodium	mg/l	6.15	5	16.18	2.19	9.67	10.41	11.14	12.84	5.95	5.51	7.88	4.32	8.10	16.2	2.2
23	Sodium	SAR	0.24	0.2	0.68	0.07	0.4	0.45	0.515	0.5	0.22	0.22	0.39	0.15	0.34	0.7	0.1

24	streptococc	MPN/	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.80	1.8	1.8
25	Sulphate	mg/l	8.08	11.58	7.37	10.49	12.97	8.85	8.41	7.36	11.28	8.87	9.13	8.28	9.39	13.0	7.4
26	Suspended	mg/l	11	22	32	38	12	18	22	44	22	20	25	20	23.83	44.0	11.0
27	Temperatur e	Centig rade	21	24	28	0	23	23	25	23	22	19	18	20	20.50	28.0	0.0
28	Total	MPN/	220	94	220	42	240	240	240	170	70	210	240	210	183.00	240.0	42.0
29	To.Dis Solids	mg/l	171	180	208	192	168	172	162	192	216	176	185	198	185.00	216.0	162.0
30	Total	mg/l	114	112	104	138	106	102	96	102	100	110	114	132	110.83	138.0	96.0
31	Total	mg/l	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	1.4	1.52	2.8	1.4
32	Total	mg/l	182	202	240	230	180	190	184	236	238	196	210	218	208.83	240.0	180.0
33	Turbidity	N.T.U.	4.2	8	12.1	13.6	6.6	3.9	5	9.3	1.7	4	3	1.2	6.05	13.6	1.2
34	Zinc	mg/l	0.12												0.12	0.1	0.1
Category - B																	

REGIONAL OFFICE,MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

Natural Water Resource Upper Lake , Bhopal. (Distt.-Bhopal)

Description of Sampling Station : Near Khanugaon,Bhopal.

S.N o.	Par	Unit	April()	May(24- 05-2023)	June(15- 06-2023)	July(04- 07-	Aug(02- 08-	Sep(28- 09-	Oct(12- 10-2023)	Nov(01- 11-	Dec(13- 12-2023)	Jan()	Feb(05-02- 2024)	March(04- 03-2024)	Av.	Maxi.	Mini.
1	Alkalinity	mg/l	NR	94	116	102	112	132	114	122	98	NR	150	134	117.40	150.0	94.0
2	Ammonical	mg/l		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL			
3	B.O.D (3	mg/l		1.5	1	2.8	1.4	1.4	1.5	1.4	1.4		0.8	1.8	1.50	2.8	0.8
4	Boron	mg/l		BDL	BDL	BDL	0.32	0.1	0.31	0.14	BDL		BDL	0.28	0.23	0.3	0.1
5	Calcium	mg/l		23.22	27.23	25.6	26.43	29.63	27.23	31.23	27.23		48.85	36.04	30.27	48.9	23.2
6	Calcium	Mg/Lt		58	68	64	66	74	68	78	68		122	90	75.60	122.0	58.0
7	Chemical	mg/l		19.6	9.88	19.6	10	19.76	10	19.76	19.6		9.4	19.6	15.72	19.8	9.4
8	Chloride	mg/l		17	20.9	20.61	20.69	21.21	20.99	19.91	22.01		57.42	25.43	24.62	57.4	17.0
9	Colour	Pt.Co.		20	40	40	30	40	30	30	40		30	50	35.00	50.0	20.0
10	Conductivit	micro		243.8	283.1	283.8	284	223.2	256	306.5	258.6		492.7	297.3	292.90	492.7	223.2
11	Dissolved	mg/l		6.4	10.9	6	7.8	7.4	7.5	4.5	11.7		7.1	8.2	7.75	11.7	4.5
12	Fecal	MPN/															
13	Fixed	mg/l		instrume	instrume	instrum	NA	96	100	138	98		190	116	123.00	190.0	96.0
14	Fluoride	mg/l		BDL	BDL	BDL	BDL	0.41	BDL	0.52	0.41		BDL	BDL	0.45	0.5	0.4
15	Magnesium	mg/l		10.19	13.11	13.65	13.11	15.54	13.11	7.77	7.77		13.59	10.19	11.80	15.5	7.8
16	Magnesium	Mg/Lt		42	54	56	54	64	54	32	32		56	42	48.60	64.0	32.0
17	Nitrate	mg/l		2.67	3.17	2.61	4.15	5.24	4.02	4.92	5.42		4.19	2.01	3.84	5.4	2.0
18	Nitrite	mg/l		0.12	BDL	BDL	0.05	BDL	0.06	BDL	BDL		0.02	0.03	0.06	0.1	0.0
19	P-Alkanity	--		20	NIL	22	NIL	NIL	NIL	NIL	NIL		NIL	NIL			
20	pH	pH		8.35	7.91	9.26	7.92	7.96	7.96	7.24	8.16		7.54	8.26	8.06	9.3	7.2

21	Phosphate	mg/l		1.14	BDL	1.14	BDL	BDL	BDL	BDL	BDL		0.05	0.22	0.64	1.1	0.1
22	Potassium	mg/l		2.95	4.06	3.01	3.83	0.82	3.21	3.18	2.92		2.95	1.59	2.85	4.1	0.8
23	Sodium	mg/l		10.8	11.64	8.86	8.85	8.24	8.8	13.43	8.45		16.24	13.12	10.84	16.2	8.2
24	Sodium	SAR				0.33	0.39	0.3	0.31	0.55	0.36		0.52	0.5	0.41	0.6	0.3
25	streptococc	MPN/															
26	Sulphate	mg/l		6.62	6.92	8.81	13.87	9.76	13.87	7.67	9.76		8.24	11.18	9.67	13.9	6.6
27	Suspended	mg/l		22	46	44	22	30	22	28	32		18	25	28.90	46.0	18.0
28	Temperatur	Centig		26	28	23	23	24	25	25	23		22	18	23.70	28.0	18.0
29	Total	MPN/		110	170	40	220	280	220	120	94		350	280	188	350.0	40.0
30	Total	mg/l		178	220	218	188	148	184	210	168		322	215	205	322.0	148.0
31	Total	mg/l		100	122	120	120	138	122	110	100		178	132	124	178.0	100.0
32	Total	mg/l		1.4	1.4	1.4	1.4	4.2	1.4	2.8	4.2		1.4	1.4	2.10	4.2	1.4
33	Total Solids	mg/l		200	266	262	210	178	206	238	200		340	240	234.00	340.0	178.0
34	Turbidity	N.T.U.		10.1	20.8	34.2	6.9	4.5	6.3	4.5	3.6		4.2	4.9	10.00	34.2	3.6

Category - A

REGIONAL OFFICE, MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2023-24

Natural Water Resource : Upper Lake near Sehore Naka.

XG

Description of Sampling Station : Near Sehore naka, Bhopal.

S.N o.	Par	Unit	April()	May()	June()	July()	Aug()	Sep(28-09-)	Oct()	Nov()	Dec()	Jan()	Feb(05-02-2024)	March()	Av.	Maxi.	Mini.
1	Alkalinity	mg/l						112.00					248		180.00	248	112
2	Ammonical	mg/l						BDL					BDL				
3	B.O.D	mg/l						1.00					1.1		1.05	1.1	1
4	Boron	mg/l						0.11					BDL		0.11	0.11	0.11
5	Calcium	mg/l						27.23					58.47		42.85	58.47	27.23
6	Calcium	Mg/Lt						68.00					146		107.00	146	68
7	Chemical	mg/l						9.88					18.8		14.34	18.8	9.88
8	Chloride	mg/l						20.25					95.71		57.98	95.71	20.25
9	Colour	Pt.Co.						30.00					30		30.00	30	30
10	Conductivit	micro						230.30					686.1		458.20	686.1	230.3
11	Dissolved	mg/l						8.20					6.9		7.55	8.2	6.9
12	Fecal	MPN/						21.00							21.00	21	21
13	Fixed	mg/l						98.00					220		159.00	220	98
14	Fluoride	mg/l						BDL					BDL				
15	Magnesium	mg/l						10.68					42.25		26.47	42.25	10.68
16	Magnesium	Mg/Lt						44.00					174		109.00	174	44
17	Nitrate	mg/l						1.22					7.34		4.28	7.34	1.22

[illegible]