

ANNEXURE V														
NWMP ANNUAL REPORT 2025-2026														
RIVER CHAPORA NEAR ALORNA FORT, PERNEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	29	29	29	29	29	30	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	8.2	7.0	7.1	8.6	8.0	8.9	7.4	7.1	7.8	7.6	6.8	5.9	4 mg/l or more
3	pH	7.09	7.75	7.35	7.01	7.36	6.61	6.76	6.68	6.35	7.02	7.02	7.09	6-9
4	Conductivity(us/cm)	723.2	27130	91.27	64.80	82.77	61.5	68.12	124.80	66.89	466.4	5257.0	4564.00	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.6	0.2	0.3	0.1	0.16	0.17	0.1	0.2	BDL	0.2	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.021	0.007	0.007	BDL	BDL	BDL	BDL	BDL	BDL	0.038	BDL	-
8	Total Coliform(MPN/100ml)	430	2400	2600	1300	1700	1700	2000	2300	1700	1300	2200	3300	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	280	1300	1700	490	700	1400	1100	780	780	780	790	1700	-
10	Fecal Streptococci(MPN/100ml)	350	330	460	220	240	220	330	220	200	170	240	220	-
11	Turbidity(NTU)	4.31	2.21	10.85	3.81	8.35	18.48	4.42	4.31	4.02	3.99	4.46	5.32	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	40.0	74.0	32.0	18.0	20.0	40.0	28.0	20.0	30.0	28.0	34.0	32.0	-
14	Chlorides(mg/l)	154.95	11121.60	6.5	5.50	10.0	6.49	3.50	20.49	8.0	104.97	1499.5	1549.5	-
15	COD(mg/l)	4.0	-	8.0	4.0	6.0	4.0	4.0	12.0	10.0	2.0	8.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.12	1.68	1.12	0.56	1.68	1.68	1.68	1.12	2.24	2.20	1.1	-
17	Ammonia (mg/l)	BDL	0.08	BDL	BDL	BDL	0.242	BDL	BDL	0.052	BDL	0.09	BDL	-
18	Total Hardness(mg/l)	68.0	3800.0	36.0	26.0	22.0	26.0	32.0	38.0	32.0	66.0	1000.0	1200.0	-
19	Calcium(mg/l)	10.42	480.96	8.82	5.61	4.8	5.61	5.6	4.81	3.21	7.2	42.5	80.2	-
20	Magnesium(mg/l)	10.21	631.8	3.40	2.92	2.43	2.916	4.4	6.32	5.83	11.7	194.4	243.0	-
21	Sulphate(mg/l)	36.73	1010.3	7.48	4.16	2.3	7.24	3.4	3.19	1.74	12.69	114.4	107.3	-
22	Sodium(mg/l)	60.4	453.2	8.8	3.4	39.4	48.6	3.4	11.5	11.9	97.0	824.4	165.8	-
23	Total Dissolved Solids(mg/l)	492.0	16278.0	58.0	37.0	48.0	34.0	39.0	71.0	39.0	270.0	3509.0	2738.0	-
24	Total Fixed Solids(mg/l)	295.0	9766.0	34.0	22.0	29.0	20.0	27.0	BDL	13.0	186.0	1169.0	1095.0	-
25	Total Suspended Solids(mg/l)	8.0	4.0	22.0	4.0	15.0	14.0	17.0	9.0	10.0	15.0	8.0	8.0	-
26	Phosphate(mg/l)	BDL	0.04	BDL	BDL	0.02	0.322	BDL	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	1.7	0.213	0.9	1.4	0.4	-	0.71	1.5	0.2	0.44	0.3	BDL	-
28	Potassium(mg/l)	6.3	145	7.8	1.5	19.8	24.3	1.0	1.3	9.8	22.0	28.7	20.1	-
29	Flouride(mg/l)	BDL	0.37	0.2	0.3	BDL	1.15	BDL	0.2	BDL	0.20	0.9	0.2	-
30	SAR	18.81	19.21	3.56	1.65	20.72	23.54	0.1	4.87	5.6	31.6	75.75	13.0	-
31	Percent Sodium (%)	76.38	35.0	57.60	36.49	89.12	89.53	0.20	53.49	70.60	86.31	78.3	36.5	-
32	Arsenic(mg/l)	0.00015	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00003	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.00346	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	130.20	-	-	-	-	-	-
40	Manganese (mg/l)	0.05217	-	-	-	-	-	937.60	-	-	-	-	-	-
41	Mercurv (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER KALNA AT CHANDEL, PERNEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	29	29	29	29	29	30	31	30	30	30	-
2	Dissolved Oxygen(mg/l)	8.4	5.9	7.8	8.9	7.9	8.4	6.9	6.3	7.7	6	6.7	6.8	4 mg/l or more
3	pH	6.8	6.82	7.0	7.03	6.88	6.92	6.76	7.7	5.57	7.03	7.04	7.37	6-9
4	Conductivity(µs/cm)	96.12	83.34	63.10	52.75	60.79	83.45	69.18	104.90	88.69	83.71	95.3	80.39	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.1	0.1	BDL	0.1	BDL	0.18	1.1	0.1	BDL	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.005	BDL	BDL	BDL	BDL	0.005	BDL	0.005	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920	1700	2100	1700	1700	1400	2700	1700	1700	1100	1300	2300	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	430	920	1100	700	790	930	1700	1100	780	450	780	1300	-
10	Fecal Streptococci (MPN/100ml)	280	140	220	240	280	210	460	330	270	140	200	210	-
11	Turbidity(NTU)	3.67	3.49	8.79	5.62	7.46	8.55	3.46	4.94	3.89	3.42	4.39	3.29	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	44.0	30.0	44.0	16.0	18.0	46.0	20.0	8.0	38.0	40.0	32.0	28.0	-
14	Chlorides(mg/l)	10.0	8.0	25.99	4.50	6.5	6.49	4.0	19.5	7.5	6.0	4.5	5.5	-
15	COD(mg/l)	6.0	6.0	8.0	6.0	6.0	4.0	BDL	12.0	12.0	6.0	6.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	0.56	0.56	0.56	1.68	0.56	1.12	1.12	1.68	1.1	1.1	-
17	Ammonia (mg/l)	0.05	0.08	BDL	BDL	BDL	BDL	0.10	BDL	0.126	BDL	0.13	BDL	-
18	Total Hardness(mg/l)	40.0	30.0	44.0	20.0	20.0	24.0	42.0	56.0	38.0	32.0	32.0	36.0	-
19	Calcium(mg/l)	7.21	7.21	6.41	5.61	4.0	7.21	6.4	8.82	4.81	7.2	7.2	7.2	-
20	Magnesium(mg/l)	5.35	2.90	6.80	BDL	2.43	1.458	6.3	8.26	6.32	3.4	3.4	4.4	-
21	Sulphate(mg/l)	7.15	4.60	4.47	2.84	BDL	5.57	4.43	2.72	2.69	6.86	5.40	2.7	-
22	Sodium(mg/l)	23.1	9.8	4.9	2.7	32.7	58.9	11.0	9.6	16.2	16.5	2.5	8.4	-
23	Total Dissolved Solids(mg/l)	61.0	50.0	35.0	28.0	36.0	46.0	39.0	67.0	53.0	47.0	62.0	48.0	-
24	Total Fixed Solids(mg/l)	36.0	30.0	210.0	17.0	24.0	27.0	26.0	40.0	18.0	32.0	20.0	19.0	-
25	Total Suspended Solids(mg/l)	16.0	6.0	15.0	7.0	16.0	6.0	14.0	11.0	9.0	12.0	7.0	4.0	-
26	Phosphate(mg/l)	0.04	0.08	BDL	BDL	0.04	0.247	0.02	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	1.2	BDL	0.8	1	0.4	-	0.64	1.3	BDL	0.29	BDL	BDL	-
28	Potassium(mg/l)	3.8	9	3.5	1.1	17.2	29.5	1.0	1.1	5.6	2.0	0.2	6.2	-
29	Flouride(mg/l)	BDL	BDL	0.2	0.3	1.1	0.97	BDL	0.4	BDL	BDL	0.3	BDL	-
30	SAR	9.22	4.35	1.91	1.44	18.24	28.29	4.2	3.29	6.87	7.2	1.09	3.5	-
31	Percent Sodium (%)	68.17	65.00	38.87	34.96	88.59	91.07	46.95	38.52	66.21	63.54	20.30	55.8	-
32	Arsenic(mg/l)	0.00019	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00014	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00705	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.01499	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.35934	-	-	-	-	-	201.04	-	-	-	-	-	-
40	Manganese (mg/l)	0.03549	-	-	-	-	-	631.77	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER ASSANORA AT ASSANORA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	29	28	28	28	28	27	29	27	28	29	30	-
2	Dissolved Oxygen(mg/l)	5.8	5.7	6.1	5.2	6.5	8.5	5.4	7.9	7.8	7.4	7.0	6.6	4 mg/l or more
3	pH	6.75	6.72	6.79	6.46	6.65	6.12	6.34	6.49	6.71	6.9	6.60	6.8	6-9
4	Conductivity(µs/cm)	73.04	74.53	54.92	45.87	66.8	64	61.39	57.11	83.41	55.7	62.71	55.6	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.12	0.1	0.17	0.06	0.2	BDL	0.255	BDL	0.2	0.1	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.005	0.006	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	2000	2600	2200	1100	790	1100	1700	1300	2100	2300	1700	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	430	1400	1700	1300	450	490	700	680	450	930	780	780	-
10	Fecal Streptococci (MPN/100ml)	280	240	280	210	110	240	220	230	240	220	270	140	-
11	Turbidity(NTU)	5.48	3.97	4.09	11.44	2.13	2.74	3.34	4.16	4.11	4.8	3.96	433.0	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	24.0	24.0	14.0	10.0	52.0	20.0	4.0	38.0	26.0	26.0	38.0	28.0	-
14	Chlorides(mg/l)	5.50	7.50	5.0	5.5	8.50	4.5	5.49	6.0	12.5	8.5	12.50	7.0	-
15	COD(mg/l)	8.0	10.0	4.0	8.0	8.0	4.0	4.0	4.0	6.0	8.0	8.00	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.12	1.68	1.68	2.24	1.7	1.12	0.56	0.56	1.12	1.12	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	26.0	24.0	22.0	30.0	8.0	24.0	28.0	28.0	46.0	56.0	32.0	-
19	Calcium(mg/l)	4.0	4.01	4.81	5.6	10.42	BDL	5.02	8.0	4.8	7.2	12.8256	6.4	-
20	Magnesium(mg/l)	BDL	3.9	2.92	1.9	BDL	1.0	0.97	BDL	3.9	6.8	5.83	3.9	-
21	Sulphate(mg/l)	5.38	3.4	3.54	1.4	BDL	2.5	2.10	2.0	BDL	3.6	BDL	BDL	-
22	Sodium(mg/l)	26.6	14.1	13.0	77.6	72.6	11.3	8.6	17.2	6.0	21.6	25.2	12.5	-
23	Total Dissolved Solids(mg/l)	42.0	46.0	31.0	27.0	40.0	24.0	34.0	31.0	51.0	36.0	34.0	36.0	-
24	Total Fixed Solids(mg/l)	28.0	19.0	20.0	10.0	24.0	13.0	20.0	18.0	32.0	22.0	20.0	22.0	-
25	Total Suspended Solids(mg/l)	8.0	4.0	11.0	18.0	6.0	4.0	6.0	10.0	9.0	10.0	65.0	11.0	-
26	Phosphate(mg/l)	0.06	BDL	BDL	BDL	BDL	BDL	0.009	0.009	BDL	BDL	BDL	0.02	-
27	Boron(mg/l)	0.36	BDL	0.28	BDL	1.2	-	1.26	0.756	1.0	0.9	1.7	BDL	-
28	Potassium(mg/l)	1.5	9.9	2.5	9.4	49.1	1.4	1.0	2.1	1.40	2.8	4.3	1.3	-
29	Flouride(mg/l)	BDL	0.21	BDL	0.2	BDL	BDL	0.259	BDL	BDL	0.2	BDL	BDL	-
30	SAR	15.4	7.1	6.6	39.97	30.42	9.6	4.06	7.71	1.87	8.16	8.25	5.51	-
31	Percent Sodium (%)	82.64	75.24	66.74	92.02	91.44	83.16	51.64	66.0	26.33	63.51	61.26	57.26	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.383874	-	-	-	-	-	248.53	-	-	-	-	-	-
40	Manganese (mg/l)	0.125854	-	-	-	-	-	182.60	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER VALVANTI AT SANQUELIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	29	28	28	28	28	27	30	27	28	29	31	-
2	Dissolved Oxygen(mg/l)	7.9	7.7	7.4	7.1	6.3	8.5	7.1	8.4	7.8	7.7	6.0	7.7	4 mg/l or more
3	pH	6.99	7.08	6.92	6.76	6.89	6.13	6.43	6.39	6.68	7.3	6.54	6.9	6-9
4	Conductivity(µs/cm)	93.66	75.00	56.47	47.05	62.48	52.0	58.13	71.32	74.14	78.4	69.3	62.3	MAD
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.20	0.1	BDL	BDL	0.2	BDL	0.331	BDL	0.2	0.1	BDL	0.2	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.07	BDL	0.016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920	2200	2300	1700	1100	1400	1700	1700	1300	1700	2100	1400	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	350	1100	1300	790	680	700	680	780	780	680	1100	920	5000 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	230	200	220	78	240	260	240	220	200	240	170	-
11	Turbidity(NTU)	4.90	2.70	2.12	6.86	2.13	5.69	4.23	4.21	3.93	3.3	2.89	3.4	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	24.0	30.0	20.0	10.0	56.0	16.0	10.0	70.0	34.0	30.0	36.0	28.0	-
14	Chlorides(mg/l)	6.50	7.50	6.50	5.0	9.50	3.50	6.49	5.5	8.0	10.5	9.50	8.5	-
15	COD(mg/l)	10.0	10.0	4.0	6.0	8.0	8.0	4.0	4.0	4.0	8.0	10.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	0.56	1.12	1.12	3.92	1.1	1.68	1.12	1.12	0.56	0.56	1.68	-
17	Ammonia (mg/l)	0.07	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.11	-
18	Total Hardness(mg/l)	22.0	24.0	28.0	22.0	30.0	10.0	32.0	34.0	32.0	38.0	44.0	34.0	-
19	Calcium(mg/l)	4.0	4.01	4.01	2.4	7.21	BDL	6.41	5.6	6.4	6.4	7.21	9.6	-
20	Magnesium(mg/l)	2.9	3.4	4.37	3.9	2.92	1.5	3.88	4.9	3.9	5.3	6.32	2.4	-
21	Sulphate(mg/l)	7.90	2.8	3.27	1.3	2.12	2.6	BDL	2.4	3.6	4.5	28.62	BDL	-
22	Sodium(mg/l)	29.3	14.4	13.6	72.4	69.5	10.9	7.5	19.0	4.3	22.1	19.9	19.6	-
23	Total Dissolved Solids(mg/l)	55.0	46.0	33.0	28.0	35.0	34.0	32.0	39.0	45.0	50.0	42.0	40.0	-
24	Total Fixed Solids(mg/l)	37.0	19.0	22.0	11.0	21.0	11.0	19.0	23.0	27.0	30.0	25.0	24.0	-
25	Total Suspended Solids(mg/l)	7.0	4.0	6.0	10.0	5.0	5.0	8.0	8.0	8.0	7.0	4.0	9.0	-
26	Phosphate(mg/l)	0.03	BDL	0.07	BDL	BDL	BDL	0.02	0.189	BDL	BDL	0.20	0.02	-
27	Boron(mg/l)	0.42	BDL	0.24	BDL	1.2	-	1.24	0.675	1.1	0.6	1.2	1.3	-
28	Potassium(mg/l)	1.0	10.6	2.5	9.6	51.3	1.3	0.9	2.2	1.10	3.2	4.5	11.0	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.1	BDL	BDL	BDL	0.25	BDL	BDL	BDL	0.5	-
30	SAR	15.7	7.48	6.6	40.83	30.88	8.76	3.31	8.31	1.29	9.11	7.65	7.99	-
31	Percent Sodium (%)	81.45	77.1	65.76	92.88	92.26	79.74	44.94	66.96	19.49	68.27	64.32	63.21	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.36346	-	-	-	-	-	144.62	-	-	-	-	-	-
40	Manganese (mg/l)	0.070403	-	-	-	-	-	22.24	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MADEI AT DABOSE, VALPOI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	29	27	27	28	29	30	28	30	30	31	-
2	Dissolved Oxygen(mg/l)	7.6	5.9	7.0	8.8	6.0	7.9	7.8	8.3	8.0	7.6	5.9	7.1	4 mg/l or more
3	pH	7.14	7.14	7.07	6.86	7.41	6.56	6.9	6.89	7.14	7.2	6.24	6.9	6-9
4	Conductivity(µs/cm)	131.6	156.9	73.94	50.61	72.2	85.2	66.48	66.81	85.11	87.6	96.38	126.6	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.1	BDL	BDL	0.1	0.1	BDL	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	1600	2100	2200	1100	1700	1300	1400	780	1400	1300	780	1100	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	540	930	1100	700	780	490	700	450	680	450	450	680	-
10	Fecal Streptococci (MPN/100ml)	350	230	270	170	78	140	230	170	200	140	220	150	-
11	Turbidity(NTU)	2.09	3.03	4.23	5.41	2.13	3.67	0.99	3.81	2.86	2.8	2.67	4.4	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	42.0	60.0	26.0	22.0	62.0	20.0	26.0	46.0	38.0	42.0	46.0	48.0	-
14	Chlorides(mg/l)	9.50	9.50	4.0	4.0	8.50	3.0	6.0	4.5	8.5	7.5	9.50	15.0	-
15	COD(mg/l)	12.0	10.0	14.0	6.0	8.0	6.0	8.0	4.0	4.0	8.0	10.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	1.12	1.68	1.12	1.7	1.1	1.12	1.12	0.56	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	48.0	56.0	34.0	32.0	42.0	30.0	24.0	42.0	36.0	60.0	44.0	58.0	-
19	Calcium(mg/l)	10.4	12.02	8.02	4.0	4.81	2.40	5.6	8.8	8.8	11.2	5.61	9.6	-
20	Magnesium(mg/l)	5.3	6.3	3.40	5.4	7.29	5.8	2.4	4.86	3.4	7.8	7.29	8.3	-
21	Sulphate(mg/l)	6.36	3.1	3.22	1.1	BDL	2.5	1.7	BDL	BDL	2.4	2.37	3.0	-
22	Sodium(mg/l)	26.5	17.8	9.8	72.6	73.6	11.0	55.0	16.8	4.1	26.2	20.5	18.2	-
23	Total Dissolved Solids(mg/l)	76.0	96.0	44.0	30.0	44.0	38.0	44.0	37.0	51.0	56.0	57.0	81.0	-
24	Total Fixed Solids(mg/l)	52.0	41.0	30.0	12.0	26.0	12.0	14.0	22.0	34.0	34.0	34.0	49.0	-
25	Total Suspended Solids(mg/l)	3.0	4.0	11.0	9.0	7.0	6.0	3.0	8.0	7.0	6.0	5.0	15.0	-
26	Phosphате(mg/l)	0.03	BDL	BDL	BDL	0.02	BDL	BDL	0.137	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	1.52	BDL	0.27	BDL	1.4	-	BDL	0.713	1.0	0.7	1.1	1.6	-
28	Potassium(mg/l)	0.7	9.5	8.3	9.6	52.4	1.5	20.0	1.3	1.10	6.9	4.7	0.9	-
29	Flouride(mg/l)	BDL	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	-
30	SAR	9.4	5.88	4.1	33.56	29.92	5.43	90.3	6.43	1.22	8.50	8.07	6.09	-
31	Percent Sodium (%)	63.40	59.8	61.32	89.78	91.24	60.39	27.43	56.99	18.64	63.53	66.14	51.65	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.238829	-	-	-	-	-	123.67	-	-	-	-	-	-
40	Manganese (mg/l)	0.030912	-	-	-	-	-	102.82	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

HARWALE WATERFALL														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	29	28	28	28	29	28	29	29	29	30	31	-
2	Dissolved Oxygen(mg/l)	7.1	6.2	7.2	7.3	5.8	6.8	8.1	8.7	8.3	7.9	5.1	7.3	4 mg/l or more
3	pH	7.32	6.98	6.96	6.64	7.34	6.72	7.09	6.79	7.35	7.5	6.24	7.9	6-9
4	Conductivity(µs/cm)	123.3	170.4	83.27	55.28	73.52	61.4	65.34	70.03	103.8	103.2	110.8	193.4	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.20	0.2	0.49	BDL	0.4	BDL	0.443	BDL	0.4	0.1	BDL	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.006	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.006	0.053	-
8	Total Coliform(MPN/100ml)	540	2200	1300	1100	1700	940	1400	1300	1700	700	940	780	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	350	1300	270	260	790	330	460	490	790	490	460	450	-
10	Fecal Streptococci (MPN/100ml)	280	170	130	140	130	130	210	220	240	200	210	140	-
11	Turbidity(NTU)	2.60	1.89	3.35	9.96	2.12	6.51	1.12	7.89	5.71	4.1	4.60	6.1	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	-	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	40.0	56.0	18.0	14.0	46.0	-	6.0	42.0	42.0	48.0	42.0	60.0	-
14	Chlorides(mg/l)	7.0	10.0	7.0	5.0	8.50	5.5	14.99	7.0	9.5	11.5	11.50	15.5	-
15	COD(mg/l)	12.0	10.0	12.0	4.0	4.0	4.0	6.0	4.0	4.0	4.0	4.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	2.24	0.56	1.12	2.24	BDL	0.56	0.56	0.56	0.56	0.56	0.56	-
17	Ammonia (mg/l)	0.06	BDL	0.006	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	44.0	68.0	28.0	24.0	36.0	20.0	30.0	32.0	46.0	48.0	54.0	66.0	-
19	Calcium(mg/l)	11.2	16.03	7.21	5.6	5.61	4.0	4.81	8.8	10.4	9.6	10.42	14.4	-
20	Magnesium(mg/l)	3.9	6.8	2.43	2.4	5.35	2.4	4.37	2.41	4.8	5.8	6.80	7.3	-
21	Sulphate(mg/l)	BDL	4.9	6.44	1.3	3.49	2.1	2.28	2.4	BDL	3.1	2.10	2.7	-
22	Sodium(mg/l)	26.9	15.9	13.4	73.6	69.5	11.4	9.3	18.3	3.9	24.7	28.6	23.5	-
23	Total Dissolved Solids(mg/l)	72.0	106.0	51.0	33.0	41.0	39.0	36.0	19.0	61.0	66.0	71.0	124.0	-
24	Total Fixed Solids(mg/l)	49.0	44.0	36.0	13.0	24.0	13.0	21.0	23.0	37.0	40.0	42.0	74.0	-
25	Total Suspended Solids(mg/l)	3.0	3.0	8.0	14.0	5.0	8.0	4.0	12.0	12.0	9.0	7.0	10.0	-
26	Phosphate(mg/l)	0.03	BDL	BDL	BDL	0.07	BDL	0.02	0.057	BDL	0.02	BDL	BDL	-
27	Boron(mg/l)	0.47	BDL	0.22	BDL	1.3	-	0.89	1.06	1.0	0.6	1.3	BDL	-
28	Potassium(mg/l)	1.3	10.0	2.8	9.5	39.5	2.9	1.1	2.5	1.0	1.2	5.5	0.2	-
29	Flouride(mg/l)	BDL	0.42	BDL	0.3	BDL	BDL	BDL	0.325	BDL	BDL	0.4	BDL	-
30	SAR	9.8	4.71	6.1	36.73	29.69	6.35	4.34	7.72	1.01	8.89	9.75	7.13	-
31	Percent Sodium (%)	65.11	53.1	62.7	91.19	90.86	68.98	53.12	64.94	14.0	62.63	66.44	52.18	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.143242	-	-	-	-	-	203.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.033905	-	-	-	-	-	64.40	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	BDL	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER BICHOLIM, BARAZAN NAGAR, BICHOLIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	30	30	30	29	29	30	30	30	31	30	30	-
2	Dissolved Oxygen(mg/l)	7.8	7.1	6.7	7.0	8.2	7.8	7.0	7.7	9.7	6.3	8.0	7.7	4 mg/l or more
3	pH	7.0	6.82	6.76	6.53	6.6	6.94	6.32	6.32	6.97	6.9	6.71	6.83	6-9
4	Conductivity(µs/cm)	147.8	147.7	85.31	63.81	75.1	90.88	109.2	103.3	130.8	118.1	147.9	136.8	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3	0.4	0.590	0.7	0.206	0.44	0.3	0.21	BDL	0.2	BDL	0.2	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.007	0.005	0.006	0.007	0.005	BDL	BDL	BDL	BDL	BDL	0.005	0.005	-
8	Total Coliform(MPN/100ml)	920	3500	1100	1400	2400	1100	1400	2300	2200	1100	3300	3100	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	280	1300	490	700	1300	700	780	1300	1100	780	1700	2300	-
10	Fecal Streptococci (MPN/100ml)	350	140	210	220	240	210	230	270	240	210	240	220	-
11	Turbidity(NTU)	3.7	5.46	3.87	9.18	6.13	3.20	14.91	5.62	4.4	4.4	4.47	6.45	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	56.0	50.0	22.0	18.0	48.0	24.0	30.0	34.0	52.0	42.0	42.0	20.0	-
14	Chlorides(mg/l)	16.5	11.50	9.0	8.5	7.49	6.50	11.5	9.0	12.99	15.0	82.9	13.5	-
15	COD(mg/l)	4.0	6.0	8.0	6.0	6.0	4.0	10.0	4.0	10.0	8.0	4.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.12	3.92	0.56	1.12	1.12	0.60	4.48	0.56	1.68	1.68	0.6	-
17	Ammonia (mg/l)	0.08	0.05	BDL	BDL	BDL	BDL	0.06	BDL	BDL	0.08	0.24	0.1	-
18	Total Hardness(mg/l)	62.0	58.0	28.0	18.0	26.0	30.0	60.0	42.0	52.0	70.0	50.0	46.0	-
19	Calcium(mg/l)	12.8	12.83	7.2	3.2	4.01	6.4	6.4	7.2	14.4	11.2	8.8	11.2	-
20	Magnesium(mg/l)	7.3	6.32	2.4	2.43	3.888	3.4	11.2	5.8	3.89	10.2	6.8	4.4	-
21	Sulphate(mg/l)	6.1	4.36	4.01	3.9	2.372	4.26	6.1	2.52	1.5	5.4	4.0	5.5	-
22	Sodium(mg/l)	36.6	36.7	48.2	30.8	64.90	21.0	20.5	10.1	16.9	38.6	8.8	154.2	-
23	Total Dissolved Solids(mg/l)	95.0	91.0	51.0	37.0	42.0	53.0	72.0	58.0	73.0	76.0	93.0	91.0	-
24	Total Fixed Solids(mg/l)	57.0	54.0	35.0	24.0	25.0	35.0	23.0	40.0	43.0	46.0	56.0	30.0	-
25	Total Suspended Solids(mg/l)	7.0	11.0	3.0	19.0	9.0	10.0	14.0	23.0	9.0	11.0	10.0	8.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.03	BDL	0.02	BDL	-
27	Boron(mg/l)	0.5	1.1	0.77	0.6	0.525	-	BDL	0.25	0.83	0.5	0.2	0.2	-
28	Potassium(mg/l)	4.9	15.1	18.8	16.5	32.5	25.6	1.1	0.4	2.0	7.2	1.0	36.1	-
29	Flouride(mg/l)	0.2	0.3	BDL	0.1	BDL	BDL	0.2	BDL	0.2	0.3	BDL	BDL	-
30	SAR	11.54	11.86	21.9	18.36	32.66	9.5	6.91	4.9	5.59	11.79	3.15	55.30	-
31	Percent Sodium (%)	67.35	73.01	87.42	89.36	92.50	82.60	55.2	55.61	50.82	68.13	38.57	92.4	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.009809	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.002012	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.008383	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	1.24819	-	-	-	-	-	938.48	-	-	-	-	-	-
40	Manganese (mg/l)	0.131127	-	-	-	-	-	1138.09	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	BDL	-	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MAYEM LAKE AT MAYEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	30	30	29	29	30	31	30	31	30	30	-
2	Dissolved Oxygen mg/l	7.8	8.1	7.0	7.2	8.5	6.6	7.6	6.5	6.4	7.4	7.0	7.2	-
3	pH	6.7	7.27	6.89	6.14	6.14	6.37	6.82	5.60	6.36	6.8	6.77	7.35	6-8.5
4	Conductivity(µs/cm)	72.8	51.85	46.78	43.81	44.14	67.75	48.07	43.47	48.73	71.4	51.06	66.64	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.4	0.202	0.2	0.009	0.12	0.1	BDL	0.59	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.005	BDL	BDL	BDL	BDL	BDL	0.005	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	2200	2400	1700	1400	1300	1400	1300	2100	490	790	1100	-
9	Fecal Coliform(MPN/100ml)	220	790	490	700	700	790	700	490	930	230	330	490	-
10	Fecal Streptococci MPN/100ml	220	170	130	140	130	170	130	170	220	130	140	170	-
11	Turbidity(NTU)	5.5	4.70	5.79	2.55	2.7	1.21	2.06	2.63	4.23	6.7	6.90	5.02	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	24.0	28.0	12.0	16.0	32.0	18.0	14.0	18.0	30.0	26.0	26.0	58.0	-
14	Chloride mg/l	15.0	7.0	6.50	7.5	5.99	5.00	7.5	9.50	7.49	76.0	9.5	10.5	-
15	COD(mg/l)	4.0	8.0	6.0	4.0	4.0	4.0	8.0	8.0	10.0	6.0	6.0	8.0	-
16	Total Kjeldhal Nitrogen(mg/l)	1.12	1.12	1.68	1.12	1.68	0.56	1.1	0.56	1.68	0.56	1.12	0.6	-
17	Ammonia mg/l	0.07	0.07	BDL	BDL	BDL	BDL	BDL	BDL	0.052	BDL	0.14	0.17	-
18	Hardness(mg/l)	32.0	28.0	18.0	14.0	20.0	22.0	14.0	20.0	20.0	50.0	18.0	24.0	-
19	Calcium(mg/l)	7.2	5.61	4.8	3.2	4.81	4.8	4.8	3.2	5.6	8.0	3.2	5.6	-
20	Magnesium(mg/l)	3.4	3.40	1.5	BDL	BDL	2.4	0.5	2.9	BDL	7.3	2.43	2.4	-
21	Sulphate(mg/l)	5.5	5.88	1.86	BDL	BDL	3.70	2.0	2.0	2.5	20.3	2.3	12.4	-
22	Sodium(mg/l)	43.3	22.8	46.8	21.1	60.0	17.5	17.5	9.7	15.0	26.5	1.2	112.6	-
23	Total Dissolved Solids(mg/l)	47.0	29.0	27.0	26.0	25.0	39.0	32.0	25.0	27.0	46.0	31.0	42.0	-
24	Total Fixed Solids(mg/l)	28.0	17.0	19.0	18.0	15.0	27.0	10.0	17.0	16.0	28.0	19.0	13.0	-
25	Total Suspended Solid	13.0	9.0	6.0	5.0	6.0	4.0	6.0	11.0	8.0	15.0	13.0	10.0	-
26	Phosphate(mg/l)	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL	-
27	Boron(mg/l)	0.5	0.8	0.46	0.6	0.311	-	BDL	0.24	0.7	0.6	0.2	0.2	Max 2mg/l
28	Potassium(mg/l)	4.9	9.6	18.6	12.3	30.2	26.5	0.4	0.2	1.8	3.5	0.6	21.3	-
29	Fluoride(mg/l)	BDL	BDL	BDL	0.4	0.106	BDL	0.4	BDL	0.4	0.3	BDL	BDL	-
30	SAR	18.80	10.74	26.4	13.91	32.65	9.2	10.75	3.8	7.98	9.58	0.71	56.2	Max 26.0
31	Percent Sodium (%)	81.96	78.24	91.25	87.89	93.03	85.87	77.12	43.79	70.41	66.22	24.19	94.3	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	264.63	-	-	-	-	-	-
40	Manganese (mg/l)	0.59212	-	-	-	-	-	312.64	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CARAMBOLIM LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	30	28	28	28	28	29	29	28	30	30	-
2	Dissolved Oxygen mg/l	7.3	8.0	4.8	8.1	7.6	5.3	7.0	5.5	7.0	6.1	7.1	5.7	-
3	pH	7.39	8.31	7.2	7.45	7.5	6.77	7.64	6.8	7.3	7.3	7.47	7.44	6-8.5
4	Conductivity(µs/cm)	198.4	217.8	169.8	116.6	113.4	142.1	151.80	130.7	170.5	195.4	200.4	173.2	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.452	0.1	0.2	0.7	BDL	BDL	BDL	0.1	0.1	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	0.009	BDL	BDL	0.081	BDL	BDL	BDL	BDL	BDL	BDL	0.04	-
8	Total Coliform(MPN/100ml)	430	790	790	940	330	790	1300	1100	790	330	220	140	-
9	Fecal Coliform(MPN/100ml)	280	330	230	330	130	490	490	490	490	230	170	110	-
10	Fecal Streptococci(MPN/100ml)	220	49	17	49	33	79	110	130	84	79	39	32	-
11	Turbidity(NTU)	7.50	3.71	8.6	5.28	6.6	4.01	2.69	10.2	4.4	4.41	4.46	3.52	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	40.0	54.0	42.0	24.0	70.0	40.0	46.0	50.0	54.0	52.0	62.0	64.0	-
14	Chloride mg/l	27.0	34.49	24.0	10.5	11.0	12.0	16.5	12.0	18.0	18.5	19.5	18.0	-
15	COD(mg/l)	8.0	6.0	10.0	6.0	6.0	4.0	6.0	10.0	6.0	8.0	10.0	8.0	-
16	Total Kjeldhal Nitrogen(mg/l)	1.68	1.12	1.68	5.6	1.68	1.12	1.68	1.68	0.56	2.2	1.68	1.68	-
17	Ammonia mg/l	BDL	BDL	0.35	0.08	0.12	BDL	0.11	0.09	BDL	0.35	BDL	BDL	-
18	Hardness(mg/l)	42.0	76.0	56.0	220.0	40.0	56.0	60.0	86.0	68.0	54.0	58.0	68.0	-
19	Calcium(mg/l)	16.0	21.64	18.4	12.02	14.4	16.83	19.24	17.6	19.2	16.8	21.6	23.3	-
20	Magnesium(mg/l)	BDL	5.35	2.4	46.2	BDL	3.4	2.92	10.2	4.9	2.9	BDL	2.43	-
21	Sulphate(mg/l)	17.1	17.45	10.3	6.7	2.9	5.13	2.58	2.1	2.9	13.0	3.8	2.1	-
22	Sodium(mg/l)	16.0	30.0	40.8	14.9	38.2	12.8	8.5	34.2	29.3	32.1	8.8	15.7	-
23	Total Dissolved Solids(mg/l)	119.0	121.0	109.0	76.0	68.0	88.0	98.0	84.0	109.0	129.0	112.0	96.0	-
24	Total Fixed Solids(mg/l)	48.0	72.0	65.0	25.0	27.0	53.0	59.0	50.0	65.0	42.0	67.0	57.0	-
25	Total Suspended Solid (mg/l)	10.0	8.0	8.0	8.0	11.0	12.0	4.0	24.0	9.0	8.0	10.0	10.0	-
26	Phosphate(mg/l)	0.03	BDL	0.02	0.05	BDL	BDL	0.02	BDL	BDL	BDL	0.03	BDL	-
27	Boron(mg/l)	BDL	1.348	0.4	0.1	-	-	0.8	0.5	0.5	0.1	0.7	1.3	Max 2mg/l
28	Potassium(mg/l)	3.9	15.5	4.3	9.7	11.8	6.5	2.4	1.7	7.3	19.0	5.6	1.8	-
29	Fluoride(mg/l)	BDL	BDL	0.3	0.3	0.2	1.1	0.6	0.2	BDL	0.2	0.42	0.39	-
30	SAR	5.57	8.17	12.63	2.76	13.77	4.02	2.15	9.17	8.4	8.46	2.62	4.4	Max 26.0
31	Percent Sodium (%)	54.6	62.77	68.37	29.70	76.45	48.82	25.89	56.34	60.3	63.95	38.95	40.53	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00115	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.47384	-	-	-	-	-	134.40	-	-	-	-	-	-
40	Manganese (mg/l)	0.10687	-	-	-	-	-	48.00	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BATIM LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	DRY	29	30	29	29	30	30	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	BDL		4.7	3.1	4.0	2.8	3.0	3.0	4.9	4.4	3.2	3.6	-
3	pH	6.23		6.23	6.54	6.39	6.24	5.92	5.85	6.07	6.27	5.87	6.13	6-8.5
4	Conductivity(µs/cm)	149.2		38.08	57.54	95.62	113.5	83.09	53.81	126.9	67.54	116.8	106.6	Max 2250 µs/cm
5	BOD(mg/l)	5.4		BDL	3.8	BDL	4.5	4.5	5.76	BDL	BDL	5	5.1	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.651		0.11	0.01	0.84	BDL	BDL	0.2	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.014		BDL	BDL	BDL	0.014	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920		790	490	790	1400	220	200	490	78	170	700	-
9	Fecal Coliform(MPN/100ml)	430		490	330	490	1100	170	140	170	45	130	460	-
10	Fecal Streptococci (MPN/100ml)	280		170	70	46	120	130	70	47	22	70	110	-
11	Turbidity(NTU)	54.5		4.04	5.8	7.19	8.93	11.57	15.55	12.33	9.74	25.00	17.34	-
12	Phenolphthalein Alkalinity(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	46.0		14.0	14.0	34.0	42.0	34.0	28.0	36.0	22.0	20.0	38.0	-
14	Chlorides(mg/l)	26.99		4.89	8	12.50	16.49	11.5	7.49	23.99	9.0	22.99	23.0	-
15	COD(mg/l)	18.0		8.0	14.0	4.0	16.0	16.0	18.0	8.0	6.0	18.0	16.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56		1.7	0.56	1.68	1.12	1.68	1.12	0.56	0.56	1.12	1.68	-
17	Ammonia (mg/l)	BDL		BDL	BDL	0.05	0.07	0.13	BDL	0.094	BDL	0.05	0.24	-
18	Total Hardness(mg/l)	28.0		14	24	28	26	40.0	36.0	66.0	24.0	52.0	44.0	-
19	Calcium(mg/l)	5.61		4.8	7.21	4.8	7.214	7.2	5.61	4.8	7.21	12.83	6.4	-
20	Magnesium(mg/l)	3.402		BDL	BDL	3.9	1.944	5.3	5.35	13.10	BDL	4.9	6.8	-
21	Sulphate(mg/l)	10.34		6.30	5.67	7.34	9.09	9.6	6.47	2.3	8.67	8.03	2.5	-
22	Sodium(mg/l)	15.9		15.8	6.7	56.2	42.8	9.0	3.5	17.3	8.4	17.2	9.7	-
23	Total Dissolved Solids(mg/l)	83.0		24.0	37.0	56.0	63.0	50.0	36.0	71.0	41.0	68.0	59.0	-
24	Total Fixed Solids(mg/l)	49.0		13.0	22.0	38.0	37.0	32.0	21.0	42.0	25.0	41.0	35.0	-
25	Total Suspended Solids(mg/l)	65.0		3.0	8.0	28.0	11.0	24.0	14.0	15.0	8.0	29.0	15.0	-
26	Phosphate(mg/l)	0.05		BDL	0.02	0.04	0.03	0.02	BDL	0.05	BDL	BDL	0.02	-
27	Boron(mg/l)	1.348		BDL	0.46	-	-	0.3	0.4	0.71	0.4	1.5	0.8	Max 2mg/l
28	Potassium(mg/l)	7.5		10.3	4.1	33.6	21.8	0.90	1.1	2.1	1.8	4.9	0.8	-
29	Flouride(mg/l)	BDL		0.52	0.6	BDL	BDL	0.6	BDL	0.2	BDL	0.2	0.211	-
30	SAR	7.49		7.02	3.2	26.9	20	2.37	1.50	5.78	40.3	5.78	3.77	Max 26.0
31	Percent Sodium (%)	72.20		83.15	55.46	91.17	87.58	25.5	29.56	52.01	54.05	55.54	44.29	-
32	Arsenic(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL		-	-	-	-	1.89	-	-	-	-	-	-
38	Zinc(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	9.5438		-	-	-	-	1692.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.264815		-	-	-	-	12.21	-	-	-	-	-	-
41	Mercury (mg/l)	BDL		-	-	-	BDL	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-

RIVER KHANDEPAR, OPA, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	29	28	29	30	29	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	7.1	7.6	6.7	7.3	6.9	7.5	8.2	6.1	7.8	7.0	8.3	7.5	4 mg/l or more
3	pH	6.78	7.68	8.95	6.33	6.21	6.51	6.52	6.34	6.9	7.08	7.03	7.03	6-9
4	Conductivity(µs/cm)	97.3	162.8	147.6	41.92	76.70	56.1	54.09	61.27	90.8	85.79	112.2	89.34	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0.3	BDL	0.1	BDL	0.1	0.03	0.1	0.1	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.012	BDL	0.005	BDL	BDL	BDL	BDL	0.012	BDL	BDL	-
8	Total Coliform(MPN/100ml)	430	1400	940	790	790	700	1100	1300	1300	330	940	230	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	220	700	700	490	490	490	700	450	780	230	490	130	-
10	Fecal Streptococci (MPN/100ml)	280	270	170	170	140	110	170	240	220	140	220	94	-
11	Turbidity(NTU)	2.78	3.74	1.53	7.43	3.65	3.48	2.07	1.48	2.9	2.80	2.55	2.35	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	20.0	48	20	12	18.0	14.0	24.0	8.0	36.0	28.0	32.0	38.0	-
14	Chlorides(mg/l)	6.5	17	13	3.5	8.5	4.5	5.50	5.50	19.5	9.00	12.0	9.0	-
15	COD(mg/l)	6.0	8	6	12	6.0	6.0	4.0	10.0	4.0	8.0	8.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.2	1.12	0.56	7.29	0.56	1.7	1.12	2.24	0.56	1.68	1.1	0.56	-
17	Ammonia (mg/l)	BDL	0.05	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	0.11	BDL	-
18	Total Hardness(mg/l)	36.0	50	40	16	26.00	10.0	22.0	32.0	36.0	60.0	52.0	36.0	-
19	Calcium(mg/l)	8.0	14.43	6.41	BDL	5.6	BDL	6.41	4.0	9.6	9.62	7.2	8.0	-
20	Magnesium(mg/l)	3.9	3.4	5.83	2.9	2.43	1.5	BDL	5.4	2.9	8.75	8.3	3.9	-
21	Sulphate(mg/l)	4.1	7.8	16.5	2.99	2.5	8.0	BDL	120.1	5.5	2.99	9.3	2.2	-
22	Sodium(mg/l)	8.3	15	1.5	32.6	53.7	11.9	10.0	36.0	32.5	24.4	7.3	1.5	-
23	Total Dissolved Solids(mg/l)	64.0	107	84	25	46.0	37.0	36.0	37.0	58.0	48.0	70.0	52.0	-
24	Total Fixed Solids(mg/l)	21.0	64	50	16	29	12.0	19.0	15.0	35.0	28.0	23.0	33.0	-
25	Total Suspended Solids(mg/l)	8.0	7	5	22	7.0	6	6.0	5.0	5.0	5.0	5.0	6.0	-
26	Phosphate(mg/l)	BDL	0.04	BDL	BDL	BDL	0.06	BDL	BDL	BDL	0.06	BDL	BDL	-
27	Boron(mg/l)	0.4	0.9	1.4	0.76	0.3	--	1.0	0.9	0.5	1.8	0.2	1.2	-
28	Potassium(mg/l)	0.9	6.1	11.9	12.2	28.9	1.6	0.4	23.0	6.4	1.4	0.2	0.8	-
29	Flouride(mg/l)	BDL	0.2	0.2	BDL	BDL	BDL	0.2	0.4	BDL	BDL	0.3	BDL	-
30	SAR	3.4	5.02	7.07	6.8	26.05	9.56	5.04	16.64	13.0	8.05	2.63	0.61	-
31	Percent Sodium (%)	43.60	54.2	70.61	49.16	90.67	81.33	56.88	86.31	75.6	58.41	32.75	16.20	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000038	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	0.00755	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	0.00828	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	0.00262	-	-	-	-	-	-
38	Zinc(mg/l)	0.00108	-	-	-	-	-	0.222	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.32858	-	-	-	-	-	-
40	Managanese (mg/l)	0.52142	-	-	-	-	-	0.10847	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER KHANDEPAR AT CODLI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	29	29	29	30	29	30	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	6.5	7.4	7	7.6	7.0	6.3	6.8	7.9	7.9	7.3	8.0	7.1	4 mg/l or more
3	pH	6.95	7.55	7.04	6.4	6.73	6.20	6.43	6.47	7.0	7.18	7.05	7.94	6-9
4	Conductivity(µs/cm)	86.3	127.2	63.4	40.92	57.66	54.3	53.11	57.61	258.8	68.57	218.1	84.25	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0	BDL	BDL	BDL	0.2	BDL	0.1	0.1	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.006	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	1300	940	1100	490	460	580	1200	680	230	1200	330	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	280	490	460	700	330	330	310	700	450	130	680	230	-
10	Fecal Streptococci (MPN/100ml)	350	220	200	210	130	68	93	130	120	83	240	140	-
11	Turbidity(NTU)	3.22	1.17	2.51	6.02	2.3	2.69	1.93	1.20	3.7	1.95	3.10	2.14	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	36.0	44.0	20.0	12.0	18.0	20.0	26.0	6.0	36.0	30.0	28.0	38.0	-
14	Chlorides(mg/l)	6.5	10.5	37.49	3	5.0	6.0	5.50	5.00	58.5	6.50	43.5	9.0	-
15	COD(mg/l)	4.0	6.0	8.0	6.0	6.0	4.0	6.0	8.0	6.0	10.0	6.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.7	0.56	1.12	6.72	1.12	1.1	0.56	1.68	1.68	1.12	0.6	0.56	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	0.05	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	36.0	56.0	38.0	18.0	22.0	14.0	28.0	32.0	50.0	38.0	68.0	36.0	-
19	Calcium(mg/l)	8.0	12.83	9.62	BDL	4.8	4.8	8.82	6.4	11.2	8.82	6.41	8.0	-
20	Magnesium(mg/l)	3.9	5.83	3.4	3.4	2.43	0.5	BDL	3.9	5.4	3.89	12.6	3.9	-
21	Sulphate(mg/l)	2.8	3.24	2.72	3.26	BDL	7.7	BDL	123.0	19.2	2.15	6.2	2.3	-
22	Sodium(mg/l)	4.1	11.9	4.5	31.0	48.4	11.3	10.0	36.0	48.2	10.2	24.8	1.5	-
23	Total Dissolved Solids(mg/l)	65.0	78.0	38.0	23.0	34.0	36.0	34.0	35.0	166.0	41.0	145.0	51.0	-
24	Total Fixed Solids(mg/l)	18.0	46.0	22.0	14.0	21.0	11.0	20.0	14.0	100.0	24.0	48.0	32.0	-
25	Total Suspended Solids(mg/l)	9.0	3.0	6.0	16.0	5.0	4.0	5.0	4.0	8.0	3.0	8.0	5.0	-
26	Phosphate(mg/l)	BDL	0.03	BDL	BDL	BDL	BDL	BDL	0.04	BDL	0.05	BDL	BDL	-
27	Boron(mg/l)	0.4	1.2	1.5	0.78	0.2	--	1.3	1.0	0.5	1.5	BDL	1.1	-
28	Potassium(mg/l)	0.2	5.8	2.1	16	23.3	1.4	0.4	19.0	5.3	1.5	0.6	0.8	-
29	Flouride(mg/l)	BDL	BDL	0.3	BDL	0.3	BDL	BDL	0.3	BDL	BDL	0.2	BDL	-
30	SAR	1.7	3.9	1.76	4.3	25.46	6.94	4.48	15.85	16.8	4.05	8.04	0.61	-
31	Percent Sodium (%)	26.54	54.2	33.64	30.93	90.84	70.56	51.08	84.21	76.4	47.93	57.2	16.20	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.004	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	0.00244	-	-	-	-	-	-
38	Zinc(mg/l)	0.002	-	-	-	-	-	0.25251	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.28592	-	-	-	-	-	-
40	Managanese (mg/l)	0.47178	-	-	-	-	-	0.07588	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER KUSHAWATI NEAR BUND AT KEVONA, RIVONA, SANGUEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	30	29	28	29	29	28	31	30	30	31	-
2	Dissolved Oxygen(mg/l)	7.5	7.5	8.5	7.9	4.6	7.9	6.8	7.8	7.8	7.7	7.2	6.7	4 mg/l or more
3	pH	6.89	7.59	6.73	7.4	6.71	6.5	7.03	6.4	7.78	6.56	7.76	7.92	6-9
4	Conductivity(µs/cm)	46.05	55.4	82.75	48.27	144.1	55.9	89.80	60.3	48.75	95.12	119.8	45.20	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.4	BDL	0.2	0.1	0.39	0.4	BDL	1.5	BDL	BDL	0.2	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	0.008	BDL	0.032	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	1600	1100	1400	1700	2400	2200	680	1100	700	490	790	780	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	540	780	790	490	790	1100	450	490	330	230	490	450	-
10	Fecal Streptococci (MPN/100ml)	220	200	130	170	220	170	110	200	130	94	200	200	-
11	Turbidity(NTU)	1.29	1.14	4.98	2.26	6.22	6.4	3.23	3.3	2.15	3.09	2.68	2.48	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	24.0	26.0	18.0	16.0	24.0	46.0	16.0	2.0	18.0	16.0	52.0	18.0	-
14	Chlorides(mg/l)	9.0	7.5	10.5	7	14.49	9.0	3.50	7.5	2.50	8.0	11.5	5.50	-
15	COD(mg/l)	8.0	8.0	6.0	4.0	10.0	4.0	12.0	4.0	4.0	8.0	6.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	1.68	0.56	1.68	1.12	0.56	0.56	3.36	2.24	0.56	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.12	0.05	BDL	0.05	0.13	BDL	BDL	0.093	BDL	BDL	-
18	Total Hardness(mg/l)	60.0	36.0	20.0	18.0	34.0	48.0	14.0	24.0	12.0	14.0	54.0	22.0	-
19	Calcium(mg/l)	5.61	6.41	4	3.2	8.81	8	4.0	7.2	BDL	4.8	9.6	5.61	-
20	Magnesium(mg/l)	11.18	4.86	2.40	2.43	2.916	6.8	BDL	BDL	BDL	2.0	7.3	BDL	-
21	Sulphate(mg/l)	5.97	1.6	3.2	3	4.82	BDL	BDL	BDL	2.83	2.33	BDL	BDL	-
22	Sodium(mg/l)	26.4	34.8	5.4	3.8	30.8	6.1	11.8	26.2	10.9	28.2	0.5	2.9	-
23	Total Dissolved Solids(mg/l)	29.0	33.0	54.0	29.0	89.0	34.0	53.0	39.0	28.0	57.0	73.0	27.0	-
24	Total Fixed Solids(mg/l)	17.0	19.0	17.0	18.0	53.0	14.0	36.0	23.0	19.0	23.0	44.0	17.0	-
25	Total Suspended Solids(mg/l)	9.0	5.0	7.0	5.0	7.0	13.0	12.0	7.0	8.0	5.0	6.0	15.0	-
26	Phosphate(mg/l)	BDL	0.02	0.03	BDL	BDL	BDL	0.02	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.3	1.6	0.2	0.2	BDL	--	0.21	0.6	0.27	0.7	0.4	0.7	-
28	Potassium(mg/l)	4.2	12.1	0.7	2	7.4	1.9	1.4	0.4	0.4	14.0	0.2	0.8	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.7	BDL	0.2	BDL	0.2	BDL	BDL	BDL	BDL	-
30	SAR	9.11	14.66	3.01	2.26	12.72	2.24	7.5	12.58	8.2	17.33	0.17	1.49	-
31	Peercent Sodium (%)	64.57	80.63	48.7	50.74	76.52	35.06	72.61	75.41	76.11	88.85	3.97	32.87	-
32	Arsenic(mg/l)	0.00012	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00006	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	0.0139	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	0.0026	-	-	-	-	-	-
38	Zinc(mg/l)	0.00303	-	-	-	-	-	0.05427	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.11747	-	-	-	-	-	-
40	Managanese (mg/l)	0.18502	-	-	-	-	-	0.04096	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER TALPONA AT CANACONA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	27	30	27	27	28	28	27	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	6.1	7.6	7.4	7.7	7.0	6.7	7.2	7.9	7.2	7.1	7.3	6.3	4 mg/l or more
3	pH	7.4	8.2	6.98	7.15	6.96	8.17	7.24	7.0	7.03	7.4	8.00	8.08	6-9
4	Conductivity(µs/cm)	73.5	87	79.65	59.68	58.40	119.5	55.5	54.46	61.90	131.4	62.35	95.80	-
5	BOD(mg/l)	BDL	0.9	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	BDL	0.224	0.4	BDL	0.11	0.1	0.1	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.005	BDL	0.011	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920	940	1400	540	1700	780	1700	1700	1700	680	780	1100	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	430	460	490	350	1300	450	780	780	780	400	450	680	-
10	Fecal Streptococci (MPN/100ml)	220	120	220	140	140	170	45	210	270	93	220	210	-
11	Turbidity(NTU)	2.3	3.2	9.83	10.03	14.70	1.68	1.53	1.80	1.65	2.15	2.99	2.46	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	32.0	34.0	14.0	28.0	18.0	28.0	20.0	8.0	22.0	20.0	28.0	24.0	-
14	Chlorides(mg/l)	11.5	15	7.5	6.5	18.5	15.50	8.0	7.0	27.0	10.0	16.5	24.5	-
15	COD(mg/l)	6.0	4.0	4.0	4.0	6.0	4.0	8.0	12.0	8.0	4.0	6.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	0.56	2.2	0.56	1.12	0.6	2.80	2.2	0.56	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.09	0.06	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	26.0	24.0	30.0	40.0	26.0	32.0	6.0	22.0	22.0	28.0	36.0	134.0	-
19	Calcium(mg/l)	4.8	8	5.6	7.21	5.6	5.6	1.6	5.61	7.2	6.41	8.0	28.1	-
20	Magnesium(mg/l)	3.4	BDL	3.9	5.35	2.9	4.4	0.5	BDL	4.0	2.92	3.9	15.6	-
21	Sulphate(mg/l)	5.3	4.3	17.9	2.86	6.3	4.05	1.9	BDL	2.9	3.92	4.81	3.5	-
22	Sodium(mg/l)	39.2	30.5	49	9.8	53.8	25.1	6.0	8.9	59.9	4.8	22.5	18.4	-
23	Total Dissolved Solids(mg/l)	47.0	56.0	47.0	38.0	34.0	70.5	37.0	34.0	40.0	85.0	39.0	58.0	-
24	Total Fixed Solids(mg/l)	28.0	34.0	32.0	22.0	20.0	47.0	12.0	20.0	13.0	51.0	24.0	37.0	-
25	Total Suspended Solids(mg/l)	4.0	5.0	34.0	16.0	29.0	6.0	3.0	3.0	3.0	9.0	6.0	5.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	0.02	0.08	BDL	0.02	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.4	0.4	1.96	0.9	0.3	--	0.2	0.30	0.3	1.2	0.7	0.3	-
28	Potassium(mg/l)	4.9	27.7	18.9	3.5	24.3	17.5	0.33	2.9	27.0	2.9	2.1	2.9	-
29	Flouride(mg/l)	0.2	0.1	BDL	0.97	BDL	BDL	0.2	BDL	0.3	BDL	BDL	0.2	-
30	SAR	19.35	14.39	22.5	2.57	26.1	8.3	5.87	4.58	29.63	2.22	9.22	3.94	-
31	Percent Sodium (%)	84.31	86.62	87.73	31.35	90.18	81.37	75.19	60.98	91.40	45.21	67.40	32.77	-
32	Arsenic(mg/l)	0.00027	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000146	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01606	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00223	-	-	-	-	-	0.04855	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00127	-	-	-	-	-	-
38	Zinc(mg/l)	0.00756	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.76506	-	-	-	-	-	0.21169	-	-	-	-	-	-
40	Managanese (mg/l)	0.85667	-	-	-	-	-	0.05744	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CREEK AT DANDO MOLLO, VELSAO, MORMUGAO														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	29	29	29	28	29	29	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	4.8	8.2	3	7.8	7.1	5.3	5.5	6.2	4.4	5.0	7.3	7.6	4 mg/l or more
3	pH	8.1	6.18	6.80	7.18	7.47	7.19	7.11	7.26	6.93	7.23	7.60	6.8	6-9
4	Conductivity(µs/cm)	15150.0	14990.0	1442.0	1428.0	874.80	12840.0	6490.0	14160.0	20320.0	12190.0	9121.0	17300.0	-
5	BOD(mg/l)	BDL	BDL	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	4.3	0.1	6.3	1.704	1.5	1.2	2.73	5.4	4.3	0.4	0.1	3.7	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.197	0.149	0.297	0.114	0.043	0.031	0.07	0.238	0.071	0.009	0.139	0.200	-
8	Total Coliform(MPN/100ml)	350	940	1700	2000	3200	1700	2600	3200	4600	1700	1300	780	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	280	460	790	920	2100	780	1100	1700	2300	790	780	450	-
10	Fecal Streptococci (MPN/100ml)	240	110	140	170	220	170	230	260	320	240	170	210	-
11	Turbidity(NTU)	2.9	6.52	9.5	23.5	10.27	5.22	6.02	2.9	6.83	6.84	1.12	2.3	-
12	Phenolphthalein Alkalinity(mg/l)	16.0	14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	42.0	56.0	50.0	38.0	50.0	46.0	60.0	58.0	72.0	84.0	40.0	64.0	-
14	Chlorides(mg/l)	5148.4	5498.3	699.8	549.83	167.95	13245.9	3998.8	17494.6	7872.56	4548.0	2594.20	5448.3	-
15	COD(mg/l)	-	-	20	4	6.0	--	--		--		--		-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	0.56	1.68	1.12	1.68	1.68	1.12	2.80	1.68	2.24	1.68	1.68	-
17	Ammonia (mg/l)	0.08	0.07	0.19	BDL	0.14	0.97	0.21	0.49	0.29	0.19	0.48	0.19	-
18	Total Hardness(mg/l)	1960.0	7400.0	220.0	200.0	110.0	1800.0	1600.0	2200.0	2600.0	4600.0	838.0	1720.0	-
19	Calcium(mg/l)	192.4	561.1	33.7	40.1	23.25	400.8	240.5	80.16	641.28	320.6	72.14	128.3	-
20	Magnesium(mg/l)	359.6	1458	33.1	38.9	12.64	194.4	243.0	486	243.00	923.4	159.89	340.2	-
21	Sulphate(mg/l)	518.4	408.41	28.6	31.3	24.47	2473.4	74.0	798	214.50	232.6	184.59	371.2	-
22	Sodium(mg/l)	405.6	7775.0	6620.0	60.5	35.5	1513.1	2500.0	913.0	4175.0	1880.0	6180.0	1450.0	-
23	Total Dissolved Solids(mg/l)	9696.0	8394.0	349.0	799.0	516.0	7704.0	4088.0	8800.0	12395.0	7070.0	5294.0	11072.0	-
24	Total Fixed Solids(mg/l)	5818.0	5036.0	209.0	479.0	307.0	3082.0	2820.0	2933.0	7437.0	4454.0	3176.0	6643.0	-
25	Total Suspended Solids(mg/l)	6.0	12.0	15.0	45.0	8.0	7.0	22.0	15.0	8.0	14.0	13.0	5.0	-
26	Phosphate(mg/l)	0.10	BDL	0.07	0.04	0.04	0.22	0.22	0.1	0.14	0.03	0.09	BDL	-
27	Boron(mg/l)	1.2	1.378	1	1	1.1	--	0.64	2.4	1.8	2.4	0.9	1.3	-
28	Potassium(mg/l)	103.8	3887.5	1040	31.3	22.3	518.7	300.0	222	1800.0	222	1525.0	540.0	-
29	Flouride(mg/l)	0.6	0.548	0.4	0.34	0.2	BDL	BDL	0.7	0.60	0.7	0.6	0.7	-
30	SAR	24.41	244.70	1146.20	9.63	8.38	6.94	1357.9	54.26	198.55	54.26	573.76	94.74	-
31	Percent Sodium (%)	47.99	85.24	99.14	53.75	61.69	77.34	99.76	66.72	87.11	66.72	97.08	80.95	-
32	Arsenic(mg/l)	0.00144	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.14	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.04245	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	0.00615	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.06469	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.308	-	-	-	-	-	-
40	Managanese (mg/l)	0.08433	-	-	-	-	-	0.21187	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SELAULIM RESERVOIR AT SELAULIM, SANGUEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	30	28	29	28	28	31	30	30	31	-
2	Dissolved Oxygen(mg/l)	7.5	7.1	8.1	8	8.4	7.8	7.3	7.9	6.9	6.9	8.0	7.8	4 mg/l or more
3	pH	7.0	7.76	7.56	7.36	7.24	6.8	6.97	7.1	7.34	6.65	7.34	8.80	6-9
4	Conductivity(µs/cm)	49.36	53.2	50.21	58.39	47.87	42.8	16.73	40.5	52.31	40.42	65.45	61.13	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	2.8	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0.1	0.1	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.008	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	220	13	130	130	350	540	46	33	23	6.8	22	2.0	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	150	7.8	33	33	170	220	33	23	4.5	4.5	13	<1.8	-
10	Fecal Streptococci (MPN/100ml)	110.0	4.0	<1.8	23.0	49.0	17.0	4.5	17	<1.8	<1.8	6.8	<1.8	-
11	Turbidity(NTU)	1.14	1.3	2.68	2.99	2.88	3.2	2.43	2.2	8.21	2.85	2.66	2.34	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	22.0	22.0	18.0	16.0	12.0	32.0	14.0	26.0	20.0	12.0	28.0	40.0	-
14	Chlorides(mg/l)	5.50	6.00	7.00	6.50	7.0	7.50	6.50	6.5	12.0	4.0	8.5	7.50	-
15	COD(mg/l)	4.0	6.0	6.0	4.0	6.0	4.0	4.0	4.0	6.0	4.0	4.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	2.8	0.56	1.12	1.12	0.56	1.68	0.56	1.12	1.68	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.08	0.05	BDL	0.06	0.08	0.08	BDL	0.054	0.2	BDL	-
18	Total Hardness(mg/l)	20.0	32.0	18.0	22.0	20.0	14.0	18.0	14.0	24.0	10.0	30.0	24.0	-
19	Calcium(mg/l)	6.41	8.82	5.6	4.8	3.21	4	3.2	4.8	4.0	3.2	6.4	8.02	-
20	Magnesium(mg/l)	BDL	2.43	BDL	2.43	2.9	BDL	2.4	BDL	3.4	2.0	3.4	BDL	-
21	Sulphate(mg/l)	3.67	1	3.7	4.5	2.03	2.5	2.01	BDL	4.63	1.50	3.6	BDL	-
22	Sodium(mg/l)	25.8	32.4	1.5	6.8	19.5	7.5	11.7	26.2	10.4	18.3	0.5	5.2	-
23	Total Dissolved Solids(mg/l)	31.0	34.0	31.0	35.0	31.0	26.0	9.0	26.0	30.0	24.0	38.0	37.0	-
24	Total Fixed Solids(mg/l)	18.0	20.0	10.0	21.0	18.0	10.0	6.0	16.0	20.0	10.0	23.0	21.0	-
25	Total Suspended Solids(mg/l)	11.0	6.0	5.0	5.0	3.0	5.0	6.0	5.0	19.0	4.0	7.0	6.0	-
26	Phosphate(mg/l)	0.02	0.02	0.1	BDL	BDL	0.02	0.02	BDL	0.22	BDL	BDL	BDL	-
27	Boron(mg/l)	0.6	1.9	BDL	0.2	0.144	--	1.87	0.6	0.26	0.1	BDL	0.6	-
28	Potassium(mg/l)	4.0	14.7	0.7	3.9	4.8	5.2	1.2	0.2	0.2	8.4	0.2	1.6	-
29	Flouride(mg/l)	0.2	BDL	0.2	0.5	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL	-
30	SAR	13.43	13.66	7.05	3.58	12.1	4.75	7.0	16.11	5.4	7.60	0.23	2.45	-
31	Percent Sodium (%)	80.14	80.72	60	59.68	82.54	71.83	69.59	83.31	58.86	69.69	6.66	43.07	-
32	Arsenic(mg/l)	0.00013	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00005	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.00519	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.05345	-	-	-	-	-	-
40	Managanese (mg/l)	0.26956	-	-	-	-	-	BDL	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RAITOLLEM LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	27	30	29	29	29	29	29	29	31	30	-
2	Dissolved Oxygen(mg/l)	7.9	8	6.5	7.5	5.6	6.6	8.2	7.3	10.3	8.2	7.7	7.3	-
3	pH	8.93	7.89	6.8	7.36	6.4	7.99	8.16	7.03	7.38	8.32	7.04	7.73	6-8.5
4	Conductivity(µs/cm)	162.90	169.3	104.2	90.4	121.7	222.80	106.6	115.1	124.4	153.8	145.40	163.40	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	1.81	0.8	0.4	0.2	0.1	0.296	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.025	0.067	0.08	0.023	0.018	BDL	BDL	BDL	0.028	0.02	BDL	0.018	-
8	Total Coliform(MPN/100ml)	430	700	490	490	1700	2200	470	1100	1700	490	1700	140	-
9	Fecal Coliform(MPN/100ml)	280	460	330	230	1100	1400	270	490	790	330	790	93	-
10	Fecal Streptococci (MPN/100ml)	350	200	39	45	130	170	170	140	220	110	220	70	-
11	Turbidity(NTU)	33.0	71.7	6.5	9.0	16.7	4.30	3.28	5.27	10.97	42.1	24.00	31.10	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	32.0	28.0	22.0	30.0	64.0	32.0	26.0	42.0	42.0	46.0	56.0	52.0	-
14	Chlorides(mg/l)	23.0	31.5	7.5	11	14	26.5	8.99	12.5	11.49	20.0	18.99	21.0	-
15	COD(mg/l)	14.0	4.0	10.0	6.0	10.0	12.0	6.0	10.0	8.0	6.0	6.0	10.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.68	2.24	0.56	0.56	0.56	0.56	1.12	0.56	0.56	2.24	1.12	-
17	Ammonia (mg/l)	BDL	0.54	0.62	0.09	0.06	0.06	0.152	BDL	0.151	0.443	0.08	0.06	-
18	Total Hardness(mg/l)	38.0	36.0	40.0	28.0	40.0	42.0	42.0	54.0	60.0	54.0	84.0	50.0	-
19	Calcium(mg/l)	8.80	9.6	6.4	8.8	7.2	9.6	8.02	9.6	13.6	8.8	6.41	10.4	-
20	Magnesium(mg/l)	3.90	2.9	5.8	BDL	5.4	4.3	5.35	7.3	6.32	7.8	16.52	5.8	-
21	Sulphate(mg/l)	18.80	33.7	8.51	4.4	6	6.4	BDL	6.1	6.7	21.0	2.95	22.5	-
22	Sodium(mg/l)	30.10	18.8	30.1	53.8	10.4	21.5	13.8	8.8	18.2	14.4	12.1	12.4	-
23	Total Dissolved Solids(mg/l)	96.0	101.0	62.0	51.0	78.0	131.0	59.0	66.0	69.0	86.0	81.0	96.0	-
24	Total Fixed Solids(mg/l)	59.0	61.0	42.0	30.0	47.0	83.0	35.0	44.0	41.0	51.0	49.0	60.0	-
25	Total Suspended Solids(mg/l)	48.0	56.0	16.0	15.0	24.0	9.0	7.0	11.0	16.0	38.0	30.0	40.0	-
26	Phosphate(mg/l)	0.08	0.05	0.05	0.41	BDL	0.02	BDL	BDL	0.08	0.02	0.06	0.06	-
27	Boron(mg/l)	1.1	0.201	0.28	0.7	0.5	--	0.87	0.3	0.76	0.82	1.3	1.1	Max 2mg/l
28	Potassium(mg/l)	16.4	1.2	16.4	33.7	2.6	11.1	2.5	2.8	2.1	3.4	8.0	2.5	-
29	Flouride(mg/l)	0.5	BDL	BDL	BDL	0.2	0.2	0.252	BDL	0.4	0.11	BDL	BDL	-
30	SAR	11.94	7.5	12.2	23.73	4.15	8.16	5.34	3.03	5.77	5.0	3.57	4.36	Max 26.0
31	Percent Sodium (%)	78.55	61.50	79.16	89.49	50.86	70.11	54.94	40.70	50.47	51.74	46.70	47.91	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.0051	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00377	-	-	-	-	-	0.00196	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.06127	-	-	-	-	-	-
39	IronTotal(mg/l)	1.204	-	-	-	-	-	0.30315	-	-	-	-	-	-
40	Managanese (mg/l)	0.28975	-	-	-	-	-	0.072	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SAIPEM LAKE, NAVELIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C			29	29	29	29	29	30	29				-
2	Dissolved Oxygen(mg/l)			2.8	1.6	2.8	3.0	1.2	1.7	4.1				-
3	pH			6.75	6.96	6.9	7.89	6.6	6.46	6.76				6-8.5
4	Conductivity(µs/cm)			237.7	227.1	249.4	389.20	261.1	215.6	260.3				Max 2250 µs/cm
5	BOD(mg/l)			2.9	4.8	4.7	5.0	5.8	5.0	BDL				-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)			2.97	0.6	0.6	0.1	BDL	BDL	0.11				-
7	Nitrite Nitrogen as NO ₂ -N mg/l			0.33	0.133	0.238	0.010	0.009	0.008	0.056				-
8	Total Coliform(MPN/100ml)			2400	1400	1300	2800	2200	1700	2400				-
9	Fecal Coliform(MPN/100ml)			1300	790	790	1700	940	790	1300				-
10	Fecal Streptococci (MPN/100ml)			220	170	170	280	210	220	280				-
11	Turbidity(NTU)			27.8	19.7	16.4	18.14	9.22	11.18	7.01				-
12	Phenolphthalein Alkalinity(mg/l)			BDL	BDL	BDL	40.0	BDL	BDL	BDL				-
13	Total Alkalinity(mg/l)	S A M P L I N G	S A M P L I N G	46	46	102.0	64.0	74.0	74.0	100.0	S A M P L I N G	S A M P L I N G	S A M P L I N G	-
14	Chlorides(mg/l)			22.49	21.99	24.0	44.9	21.49	20.5	23.99				-
15	COD(mg/l)			14	18	18	18.0	18.0	18.0	12.0				-
16	Total Kjeldahl Nitrogen(mg/l)			1.68	1.68	1.68	1.68	0.56	1.68	1.12				-
17	Ammonia (mg/l)			BDL	1.25	0.77	1.28	1.314	0.99	1.802				-
18	Total Hardness(mg/l)			100	72	92.0	50.0	70.0	76.0	72.0				-
19	Calcium(mg/l)			23.2	24.85	22.4	10.4	21.64	20.0	20.8				-
20	Magnesium(mg/l)			10.2	2.43	8.8	5.8	3.89	6.3	4.86				-
21	Sulphate(mg/l)			29.86	9.46	17.1	18.9	14.71	12.1	5.4				-
22	Sodium(mg/l)			8.6	38.9	74.5	25.8	17.2	18.6	17.5				-
23	Total Dissolved Solids(mg/l)			142	145	160.0	225.0	146.0	129.0	15.0				-
24	Total Fixed Solids(mg/l)	N O T D O N E	N O T D O N E	100	87	96.0	153.0	37.0	82.0	87.0	N O T D O N E	N O T D O N E	N O T D O N E	-
25	Total Suspended Solids(mg/l)			52	21	26.0	39.0	12.0	24.0	12.0				-
26	Phosphate(mg/l)			0.32	0.47	0.04	0.15	0.219	0.3	0.791				-
27	Boron(mg/l)			0.27	0.8	0.4	--	0.86	0.2	0.69				Max 2mg/l
28	Potassium(mg/l)			3.3	24.1	4.2	13.5	3.8	4.4	3.9				-
29	Flouride(mg/l)			BDL	BDL	0.2	BDL	0.874	0.2	0.3				-
30	SAR			2.1	10.53	18.86	9.07	4.81	5.13	4.89				Max 26.0
31	Percent Sodium (%)			26.24	69.78	71.62	70.81	45.19	46.65	45.47				-
32	Arsenic(mg/l)	A S I T W A S D R Y	A S I T W A S D R Y	-	-	-	-	BDL	-	-	A S I T W A S D R Y	A S I T W A S D R Y	A S I T W A S D R Y	-
33	Cadmium(mg/l)			-	-	-	-	BDL	-	-				-
34	Copper(mg/l)			-	-	-	-	BDL	-	-				-
35	Lead(mg/l)			-	-	-	-	BDL	-	-				-
36	Chromium(mg/l)			-	-	-	-	BDL	-	-				-
37	Nickel(mg/l)			-	-	-	-	0.00136	-	-				-
38	Zinc(mg/l)			-	-	-	-	BDL	-	-				-
39	IronTotal(mg/l)			-	-	-	-	2.2583	-	-				-
40	Managanese (mg/l)			-	-	-	-	1.092	-	-				-
41	Mercury (mg/l)			-	-	-	-	BDL	-	-				-
42	Alpha HCH (mg/l)			-	-	-	-	BDL	-	-				-
43	Hexachlorobenzene (mg/l)	D R Y	D R Y	-	-	-	-	BDL	-	-	D R Y	D R Y	D R Y	-
44	Beta HCH (mg/l)			-	-	-	-	BDL	-	-				-
45	Gamma HCH (mg/l)			-	-	-	-	BDL	-	-				-
46	Heptachlor (mg/l)			-	-	-	-	BDL	-	-				-
47	Aldrin (mg/l)			-	-	-	-	BDL	-	-				-
48	Trans -Heptachlor endo-epoxide (mg/l)			-	-	-	-	BDL	-	-				-
49	Alpha Endosulfan (mg/l)			-	-	-	-	BDL	-	-				-
50	p,p'-DDE (mg/l)			-	-	-	-	BDL	-	-				-
51	Dieldrin (mg/l)			-	-	-	-	BDL	-	-				-
52	Endrin (mg/l)			-	-	-	-	BDL	-	-				-
53	Beta Endosulfan (mg/l)			-	-	-	-	BDL	-	-				-
54	p,p'-DDD (mg/l)			-	-	-	-	BDL	-	-				-
55	o,p'-DDT (mg/l)			-	-	-	-	BDL	-	-				-
56	p,p'-DDT (mg/l)			-	-	-	-	BDL	-	-				-
57	Methoxychlor (mg/l)			-	-	-	-	BDL	-	-				-
58	Malathion (mg/l)			-	-	-	-	BDL	-	-				-
59	Chlorpyrifos (mg/l)			-	-	-	-	BDL	-	-				-

CURTORIM LAKE, CURTORIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	28	30	28	28	29	29	29	29	31	30	-
2	Dissolved Oxygen(mg/l)	5.7	7.9	4.5	7.3	7.1	5.1	4.2	1.7	4.2	8.1	6.4	5.3	-
3	pH	7.19	7.66	6.64	7.1	7.2	6.77	6.53	6.1	6.65	7.12	7.24	6.98	6-8.5
4	Conductivity(µs/cm)	165.80	164.1	155.7	78.6	107.1	123.0	144.2	123.6	138.8	133.2	148.7	152.70	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.5	1.22	0.2	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.01	0.019	0.1	0.058	0.012	0.007	BDL	BDL	0.005	0.06	BDL	0.018	-
8	Total Coliform(MPN/100ml)	920	230	490	470	1100	1300	790	330	790	230	220	790	-
9	Fecal Coliform(MPN/100ml)	540	130	230	260	700	790	330	230	490	130	170	330	-
10	Fecal Streptococci (MPN/100ml)	430	70	79	70	110	220	140	70	210	94	79	110	-
11	Turbidity(NTU)	15.79	117	131	8.44	24.4	19.8	4.84	12.08	19.7	11.54	6.39	55.70	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	36.0	28.0	22.0	24.0	64.0	36.0	38.0	56.0	62.0	60.0	52.0	50.0	-
14	Chlorides(mg/l)	21.50	23.0	21.0	9.5	11.5	13.5	14.99	13.0	12.99	12.0	18.49	19.0	-
15	COD(mg/l)	12.0	8.0	10.0	6.0	6.0	6.0	10.0	18.0	12.0	8.0	8.0	12.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	2.24	0.56	0.56	0.56	0.56	1.68	1.68	1.12	1.12	0.56	1.68	-
17	Ammonia (mg/l)	BDL	1.17	0.37	0.23	BDL	BDL	0.121	BDL	0.691	0.201	0.09	0.1	-
18	Total Hardness(mg/l)	38.0	30.0	44.0	30.0	38.0	38.0	64.0	56.0	48.0	58.0	66.0	46.0	-
19	Calcium(mg/l)	8.80	5.6	8.8	5.61	8.0	9.6	11.2	10.4	12.8	10.4	7.2144	9.6000	-
20	Magnesium(mg/l)	3.90	3.9	5.3	3.89	4.4	3.4	8.75	7.3	3.89	7.8	11.66	5.3	-
21	Sulphate(mg/l)	11.50	21	23.81	6.39	3.8	4.1	5.86	8.9	7.2	8.0	BDL	14.7	-
22	Sodium(mg/l)	30.60	18.2	30.6	47.6	14.6	9.7	19.9	10.9	16.5	9.3	20.7	8.9	-
23	Total Dissolved Solids(mg/l)	96.0	98.0	94.0	47.0	69.0	72.0	80.0	73.0	77.0	74.0	92.0	88.0	-
24	Total Fixed Solids(mg/l)	60.0	58.0	67.0	2.0	41.0	48.0	48.0	46.0	46.0	44.0	55.0	62.0	-
25	Total Suspended Solids(mg/l)	26.0	98.0	146.0	14.0	35.0	38.0	8.0	24.0	15.0	9.0	11.0	45.0	-
26	Phosphate(mg/l)	0.02	0.08	0.13	0.13	BDL	0.02	BDL	0.02	0.19	BDL	BDL	0.03	-
27	Boron(mg/l)	0.9	BDL	0.22	0.4	0.5	--	0.89	0.3	0.63	1.24	1.8	1.3	Max 2mg/l
28	Potassium(mg/l)	17.6	4.4	17.6	38.7	1.3	5.2	2.1	4.3	2.3	4.4	7.5	2.4	-
29	Flouride(mg/l)	0.4	0.32	BDL	BDL	0.2	BDL	BDL	BDL	0.4	0.12	0.2	BDL	-
30	SAR	12.14	8.4	11.5	21.84	5.87	3.80	6.30	3.66	5.71	3.08	6.74	3.26	Max 26.0
31	Percent Sodium (%)	79.15	70.4	77.29	90.08	56.20	53.41	52.44	46.20	52.97	42.92	59.90	43.13	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.001550	-	-	-	-	-	0.0014	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.84031	-	-	-	-	-	0.6446	-	-	-	-	-	-
40	Managanese (mg/l)	0.2	-	-	-	-	-	0.02685	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CHAPOLI DAM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class C river as per CPCB classification based on designated best use of rivers
1	Temperature°C	28	30	27	28	28	28	27	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	7.8	7.9	8.5	8.6	8.0	8.3	8.6	8.2	7.5	8.1	8.0	7.0	4 mg/l or more
3	pH	8.0	8.6	7.13	7.55	7.64	6.34	7.60	7.08	7.34	7.86	7.90	8.54	6-9
4	Conductivity(µs/cm)	145.5	80.8	62.4	32.78	77.41	70.11	220.3	64.75	74.65	100.4	203.98	68.50	-
5	BOD(mg/l)	BDL	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.2	0.16	0.23	BDL	BDL	0.1	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.007	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	1600	110	240	170	49	130	70	22	49	330	23	9.2	5000 or less MPN/100 ml
9	Fecal Coliform(MPN/100ml)	350	49	79	70	33	79	49	13	33	170	13	4.5	-
10	Fecal Streptococci (MPN/100ml)	920	24	31	39	7.8	23	34	9.3	21	22	9.3	<1.8	-
11	Turbidity(NTU)	2.4	3.1	3.19	4.28	2.51	6.34	1.31	1.72	2.04	2.18	4.15	2.25	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	32.0	30.0	18.0	20.0	20.0	26.0	20.0	12.0	24.0	26.0	30.0	28.0	-
14	Chlorides(mg/l)	15.5	13.0	11.5	7.0	7.5	12.50	42.0	25.49	12.0	8.0	26.0	8.5	-
15	COD(mg/l)	4.0	4.0	4.0	4.0	4.0	4.0	6.0	10.0	6.0	6.0	4.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.12	1.12	1.68	0.56	0.56	1.1	0.56	1.7	0.56	0.56	0.56	-
17	Ammonia (mg/l)	BDL	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	30.0	18.0	32.0	40.0	26.0	32.0	18.0	38.0	28.0	34.0	24.0	30.0	-
19	Calcium(mg/l)	5.6	6.4	4	6.41	5.6	5.6	5.6	7.21	7.2	8.82	4.8	3.2	-
20	Magnesium(mg/l)	3.9	BDL	5.3	5.83	2.9	4.4	1.0	4.86	10.0	2.92	2.9	5.3	-
21	Sulphate(mg/l)	BDL	BDL	7.42	3.9	3.5	2.32	10.7	2.0	BDL	2.33	3.5	3.9	-
22	Sodium(mg/l)	65.1	11.1	124.1	7.4	24.5	25.5	8.0	7.1	128.1	5.6	12.3	7.6	-
23	Total Dissolved Solids(mg/l)	93.0	52.0	36.0	19.0	46.0	40.6	147.0	41.0	48.0	62.0	126.0	42.0	-
24	Total Fixed Solids(mg/l)	56.0	31.0	25.0	11.0	28.0	27.0	48.0	24.0	15.0	37.0	85.0	25.0	-
25	Total Suspended Solids(mg/l)	3.0	6.0	10.0	6.0	5.0	5.0	4.0	4.0	5.0	9.0	9.0	7.0	-
26	Phosphate(mg/l)	0.02	0.02	0.039	BDL	BDL	BDL	0.02	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	1.0	0.4	0.58	0.66	0.2	--	BDL	0.115	BDL	0.4	BDL	0.2	-
28	Potassium(mg/l)	8.0	3.9	22.0	2.8	13.4	18.4	149.0	3.1	56.4	3.2	1.2	0.9	-
29	Flouride(mg/l)	BDL	0.2	BDL	BDL	0.2	BDL	0.1	BDL	0.3	BDL	BDL	0.2	-
30	SAR	29.87	5.98	57.4	2.99	11.88	8.2	4.41	2.89	58.38	2.31	6.27	3.69	-
31	Percent Sodium (%)	88.50	68.5	93.98	45.45	81.68	81.47	59.04	45.80	95.26	42.84	63.68	50.00	-
32	Arsenic(mg/l)	0.000250	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000119	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00106	-	-	-	-	-	-
38	Zinc(mg/l)	0.010	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.30109	-	-	-	-	-	0.06627	-	-	-	-	-	-
40	Managanese (mg/l)	0.03927	-	-	-	-	-	1.02715	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

AMBULOR LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	28	29	29	28	30	30	30	29	30	31	-
2	Dissolved Oxygen(mg/l)	6.5	7.9	7	7.3	6.9	6.8	7.1	3.9	6.2	6.9	6.9	7.9	-
3	pH	6.69	7.68	6.7	6.36	6.42	6.19	6.81	6.08	6.57	6.76	6.95	7.9	6-8.5
4	Conductivity(µs/cm)	126.3	121.1	62.1	78.91	59.62	39.33	48.67	96.4	81.92	53.38	57.1	141.9	Max 2250 µs/cm
5	BOD(mg/l)	2.1	BDL	BDL	BDL	BDL	BDL	BDL	3.6	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.496	0.2	0.574	0.4	0.4	0.34	0.1	BDL	BDL	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.015	0.007	0.006	BDL	0.012	BDL	BDL	0.006	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	1300	1300	1300	1700	1400	1300	470	1300	220	170	330	-
9	Fecal Coliform(MPN/100ml)	350	490	490	490	1100	790	490	340	490	170	130	230	-
10	Fecal Streptococci (MPN/100ml)	220	140	170	130	79	170	33	27	140	20	9.3	47	-
11	Turbidity(NTU)	9.24	7.36	4.3	4.9	4.20	4.94	2.59	2.53	8.12	3.86	3.77	2.7	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	18.0	62.0	14.0	14.0	16.0	12.0	12.0	22.0	26.0	24.0	22.0	50.0	-
14	Chlorides(mg/l)	19.99	25.49	14.5	9.99	7.0	10.0	7.0	10.5	17.49	45.0	12.0	23.0	-
15	COD(mg/l)	16.0	6.0	6.0	4.0	4.0	10.0	6.0	20.0	8.0	12.0	8.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	3.90	1.12	0.56	1.12	0.56	1.68	0.56	1.68	1.12	0.56	0.56	0.56	-
17	Ammonia (mg/l)	BDL	0.31	BDL	0.09	BDL	0.60	0.14	0.28	0.08	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	26.0	68.0	38.0	12.0	16.0	24.0	26.0	28.0	48.0	50.0	44.0	42.0	-
19	Calcium(mg/l)	5.6	7.21	6.4	4.81	4.01	4.0	4.8	3.2	6.41	10.4	7.21	6.4	-
20	Magnesium(mg/l)	2.9	12.15	5.4	1.458	BDL	13.8	3.4	4.9	7.78	5.8	6.32	6.3	-
21	Sulphate(mg/l)	12.19	37.97	3.6	7.74	3.10	4.6	3.72	2.1	4.98	5.0	3.72	5.2	-
22	Sodium(mg/l)	25.2	35.4	8.4	6.9	33.7	56.1	10.3	31.5	23.7	4.2	3.6	11.3	-
23	Total Dissolved Solids(mg/l)	80.0	65.0	40.0	44.0	35.0	24.0	29.0	60.0	46.0	35.0	35.0	91.0	-
24	Total Fixed Solids(mg/l)	48.0	39.0	24.0	26.0	20.0	10.0	20.0	19.0	27.0	24.0	21.0	55.0	-
25	Total Suspended Solids(mg/l)	18.0	13.0	21.0	8.0	6.0	6.0	8.0	8.0	10.0	7.0	6.0	5.0	-
26	Phosphate(mg/l)	0.03	BDL	0.02	0.05	BDL	0.04	BDL	0.03	BDL	0.03	BDL	BDL	-
27	Boron(mg/l)	0.69	1.396	0.4	1.4	1.1	--	0.33	BDL	1.2	0.5	1.4	0.4	Max 2mg/l
28	Potassium(mg/l)	0.5	6.7	2.6	4.2	16.3	30.2	1.1	11.1	2.1	1.1	1.9	1.2	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.33	0.2	BDL	BDL	0.3	BDL	BDL	BDL	0.2	-
30	SAR	12.2	11.38	3.46	3.90	20.38	18.82	4.2	15.69	8.90	1.48	1.38	4.48	Max 26.0
31	Percent Sodium (%)	75.09	68.5	48.33	63.91	90.14	82.93	48.87	84.09	64.52	24.65	28.90	49.54	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.006879	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.001844	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	12.5253	-	-	-	-	-	0.43725	-	-	-	-	-	-
40	Managanese (mg/l)	0.848466	-	-	-	-	-	0.14212	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SARZORA LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	26	27	29	28	28	30	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	8.3	5.3	7.9	7.5	8.6	9.7	7.2	8.3	6.3	7.0	8.3	7.9	-
3	pH	7.07	7.38	7.3	6.76	7.13	7.3	6.88	6.08	6.80	7.37	8.25	7.67	6-8.5
4	Conductivity(µs/cm)	95.7	99.82	63.3	53.05	67.27	62.5	58.66	62.79	70.24	69.56	97.12	67.97	Max 2250 µs/cm
5	BOD(mg/l)	2.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.8	0.4	0.125	BDL	BDL	BDL	BDL	0.01	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.007	0.012	BDL	BDL	BDL	BDL	0.005	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	1100	460	790	1700	1100	1300	270	1100	210	130	110	-
9	Fecal Coliform(MPN/100ml)	350	790	330	330	790	460	790	220	700	170	78	79	-
10	Fecal Streptococci (MPN/100ml)	220	130	140	14	49	13	220	110	120	70	49	20	-
11	Turbidity(NTU)	3.76	5.86	17.1	5.92	3.47	1.88	1.17	2.61	8.4	3.34	3.21	3.14	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	18.0	30.0	12.0	26.0	38.0	26.0	42.0	22.0	24.0	36.0	28.0	20.0	-
14	Chlorides(mg/l)	8.0	12	35	9.5	9.0	11.99	31.49	7.0	6.0	10.00	12.0	7.5	-
15	COD(mg/l)	8.0	4.0	4.0	6.0	8.0	6.0	10.0	4.0	16.0	8.0	4.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	5.00	1.68	0.56	1.12	0.56	1.12	1.12	0.56	1.68	1.12	1.1	1.1	-
17	Ammonia (mg/l)	0.73	0.11	0.05	BDL	BDL	BDL	BDL	BDL	0.10	BDL	BDL	0.06	-
18	Total Hardness(mg/l)	18.0	32.0	22.0	22.0	22.0	32.0	88.0	46.0	22.0	26.0	30.0	34.0	-
19	Calcium(mg/l)	3.2	5.6	3.2	3.2	3.21	9.62	4.81	5.61	2.4	4.81	2.4	4.0	-
20	Magnesium(mg/l)	2.4	4.37	3.4	3.4	3.40	1.94	18.47	7.78	3.9	3.40	5.8	6.0	-
21	Sulphate(mg/l)	23.34	4.5	4.9	3.7	3.38	2.16	2.28	2.88	3.31	2.39	6.8	2.9	-
22	Sodium(mg/l)	21.7	17.4	93.0	69.8	28.2	30.5	5.6	5.4	10.0	10.0	9.8	1.8	-
23	Total Dissolved Solids(mg/l)	60.0	63.0	40.0	32.0	44.0	35.0	38.0	39.0	41.0	38.0	58.0	41.0	-
24	Total Fixed Solids(mg/l)	40.0	37.0	24.0	12.0	26.0	21.0	22.0	22.0	27.0	22.0	22.0	16.0	-
25	Total Suspended Solids(mg/l)	5.0	18.0	25.0	8.0	5.0	4.0	4.0	5.0	28.0	6.0	4.0	6.0	-
26	Phosphate(mg/l)	0.03	BDL	BDL	BDL	BDL	BDL	BDL	0.05	0.31	0.05	BDL	BDL	-
27	Boron(mg/l)	0.60	0.9	0.5	BDL	0.2	--	--	0.7	0.27	1.8	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	0.9	5.2	7.6	9.2	14.2	15.3	1.2	1.2	0.2	0.9	0.1	0.6	-
29	Flouride(mg/l)	0.25	0.3	0.3	0.4	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	-
30	SAR	12.9	7.79	51.16	38.39	15.51	12.69	1.64	2.09	5.6	4.94	4.8	0.8	Max 26.0
31	Percent Sodium (%)	80.04	69.37	93.8	92.28	86.51	79.85	22.61	33.02	61.85	57.04	54.7	19.3	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	1.8276	-	-	-	-	-	0.16608	-	-	-	-	-	-
40	Managanese (mg/l)	0.121333	-	-	-	-	-	0.02969	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

DASHI LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	32	30	29	28	28	29	28	29	29	30	31	30	-
2	Dissolved Oxygen(mg/l)	6.8	5.4	7.5	6.3	7.2	7.1	6.4	5.5	6.6	7.5	7.4	5.9	-
3	pH	6.92	7.02	6.55	6.22	6.32	6.25	6.32	6.17	6.40	7.13	7.09	7.07	6-8.5
4	Conductivity(µs/cm)	156.7	167.0	95.43	83.45	84.73	476.60	95.89	94.5	150.7	147.9	230.3	150.30	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	0.2	BDL	0.2	0.1	0.1	BDL	0.2	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	0.009	BDL	BDL	BDL	BDL	0.009	BDL	-
8	Total Coliform(MPN/100ml)	540	200	230	330	700	330	210	230	220	230	940	490	-
9	Fecal Coliform(MPN/100ml)	350	170	130	170	330	230	170	130	110	130	460	230	-
10	Fecal Streptococci (MPN/100ml)	210	21	27	49	23	7.8	33	47	34	33	47	17	-
11	Turbidity(NTU)	3.32	1.07	1.83	4.18	2.66	3.98	1.92	1.72	2.35	2.20	6.38	2.20	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	60.0	70.0	44.0	22.0	28.0	68.0	34.0	38.0	60.0	62.0	60.0	58.0	-
14	Chlorides(mg/l)	8.50	9.5	134.96	6.50	6.5	6.49	2.0	6.50	12.0	6.0	6.5	7.0	-
15	COD(mg/l)	6.0	8.0	6.0	4.0	4.0	4.0	6.0	8.0	10.0	4.0	6.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.68	0.56	0.56	0.56	2.24	1.12	1.12	0.56	1.12	1.1	1.1	-
17	Ammonia (mg/l)	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	0.038	BDL	0.16	BDL	-
18	Total Hardness(mg/l)	58.0	76.0	50.0	34.0	46.0	36.0	58.0	48.0	66.0	88.0	62.0	74.0	-
19	Calcium(mg/l)	13.63	16.03	13.63	7.21	10.4	8.02	9.6	8.82	18.44	15.2	12.02	20.8	-
20	Magnesium(mg/l)	5.83	8.8	3.89	3.89	4.8	3.888	8.3	6.3	4.86	12.2	7.8	5.3	-
21	Sulphate(mg/l)	2.83	2.6	4.84	BDL	BDL	26.40	2.67	1.43	1.52	7.97	BDL	2.1	-
22	Sodium(mg/l)	23.9	17.4	7.6	3.7	29.9	98.9	6.2	3.5	56.6	12.0	2.2	10.3	-
23	Total Dissolved Solids(mg/l)	100.0	100.0	61.0	54.0	49.0	418.0	55.0	54.0	84.0	87.0	153.0	90.0	-
24	Total Fixed Solids(mg/l)	60.0	60.0	36.0	32.0	31.0	250.0	37.0	32.0	28.0	60.0	55.0	36.0	-
25	Total Suspended Solids(mg/l)	12.0	6.0	7.0	8.0	5.0	6.0	6.0	5.0	6.0	8.0	10.0	4.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	BDL	0.03	0.261	BDL	BDL	BDL	BDL	BDL	0.03	-
27	Boron(mg/l)	1.1	BDL	1.3	1.2	0.6	-	0.34	1.3	BDL	0.28	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	3.7	10.4	6.9	2.1	15.6	49.50	0.8	1.8	42.0	1.7	0.8	7.4	-
29	Flouride(mg/l)	0.2	BDL	BDL	0.4	BDL	0.47	BDL	0.6	BDL	BDL	0.3	0.2	-
30	SAR	7.66	4.94	2.57	1.57	10.85	40.53	0.2	1.27	16.59	3.2	0.7	2.9	Max 26.0
31	Percent Sodium (%)	58.65	52.9	45.28	34.32	74.96	92.57	0.38	25.39	80.89	33.35	13.16	40.4	-
32	Arsenic(mg/l)	0.00005	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00001	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	138.25	-	-	-	-	-	-
40	Manganese (mg/l)	0.06512	-	-	-	-	-	116.17	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

TOYYAR LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	31	29	28	27	28	29	29	28	30	30	-
2	Dissolved Oxygen(mg/l)	8.3	7.7	7.9	7.2	7.4	7.2	7.9	7.8	7.8	7.8	7.8	9.2	-
3	pH	7.61	7.37	3.4	6.44	6.5	6.78	6.78	7.0	7.4	7.95	7.38	7.75	6-8.5
4	Conductivity(µs/cm)	73.55	89.2	217.1	50.22	48.3	39.57	54.37	58.3	49.1	84.8	56.7	63.68	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.2	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	BDL	0.3	0.2	0.1	BDL	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	0.005	0.172	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	330	400	390	1300	940	1400	1300	390	1300	470	230	-
9	Fecal Coliform(MPN/100ml)	350	230	270	260	490	460	490	330	330	790	340	130	-
10	Fecal Streptococci (MPN/100ml)	280	130	140	170	130	220	220	170	94	110	200	47	-
11	Turbidity(NTU)	1.58	1.45	7.23	3.15	14.6	4.57	2.06	3.3	6.0	8.41	6.37	3.21	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	14.0	24.0	BDL	12.0	34.0	16.0	20.0	20.0	24.0	16.0	28.0	22.0	-
14	Chlorides(mg/l)	13.5	9.99	10.0	8.50	7.0	5.50	11.0	9.5	10.0	23.5	10.0	10.0	-
15	COD(mg/l)	8.0	6.0	4.0	6.0	6.0	4.0	6.0	4.0	4.0	6.0	6.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	0.56	0.56	1.12	0.56	0.56	1.12	0.56	1.12	2.8	1.12	0.56	-
17	Ammonia (mg/l)	BDL	BDL	BDL	0.05	BDL	BDL	0.09	BDL	BDL	0.25	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	64.0	30.0	20.0	16.0	24.0	30.0	26.0	56.0	26.0	28.0	34.0	-
19	Calcium(mg/l)	4.0	17.64	6.41	4.01	4.8	4.81	4.01	4.0	8.8	3.2	6.41	6.41	-
20	Magnesium(mg/l)	2.0	4.86	3.4	2.43	BDL	2.92	4.86	3.9	8.3	4.4	2.92	4.37	-
21	Sulphate(mg/l)	18.8	10.60	62.26	1.96	BDL	3.16	BDL	BDL	2.1	7.5	2.5	3.97	-
22	Sodium(mg/l)	48.1	25.5	5.3	46.3	6.3	9.9	3.3	26.7	23.1	27.1	5.0	12.3	-
23	Total Dissolved Solids(mg/l)	44.0	49.0	139.0	28.0	29.0	26.0	34.0	37.0	31.0	56.0	31.0	35.0	-
24	Total Fixed Solids(mg/l)	18.0	29.0	83.0	16.0	12.0	17.0	20.0	22.0	19.0	18.0	18.0	21.0	-
25	Total Suspended Solids(mg/l)	5.0	4.0	11.0	5.0	21.0	16.0	7.0	5.0	12.0	16.0	10.0	7.0	-
26	Phosphate(mg/l)	BDL	BDL	0.02	0.12	0.03	BDL	0.06	BDL	BDL	BDL	0.03	BDL	-
27	Boron(mg/l)	BDL	1.451	0.6	1.1	-	-	1.5	0.6	0.5	0.2	1.2	1.3	Max 2mg/l
28	Potassium(mg/l)	10.2	13.8	5.3	40.1	4.5	3.9	1.6	5.5	4.2	9.1	4.0	0.9	-
29	Flouride(mg/l)	BDL	BDL	0.43	BDL	0.2	0.4	BDL	0.2	BDL	0.2	0.14	BDL	-
30	SAR	27.88	7.60	2.39	25.80	3.71	5.04	0.95	13.41	7.9	8.34	2.31	5.30	Max 26.0
31	Percent Sodium (%)	90.7	63.59	51.92	93.06	65.13	64.10	16.99	80.29	61.5	63.18	49.1	55.05	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00536	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.0037	-	-	-	-	-	2.27	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.36923	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.11451	-	-	-	-	-	85.40	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

PILERNE LAKE/SAULEM LAKE, PILERNE, SANGOLDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	29	29	29	29	27	27	28	29	31	31	-
2	Dissolved Oxygen(mg/l)	1.9	1.9	5.4	4.8	1.5	2.7	4.3	4.1	2.2	4.1	2.1	2.9	-
3	pH	6.41	6.17	5.7	6.0	5.69	5.55	7.32	5.13	5.66	6.09	6.24	6.37	6-8.5
4	Conductivity(µs/cm)	251.4	145.3	125.50	101.8	240.1	166.8	106.8	98.8	116.4	120.8	133.9	132.00	Max 2250 µs/cm
5	BOD(mg/l)	5.8	4.6	BDL	BDL	5.4	3.6	BDL	BDL	5.6	2.6	3.6	3.6	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.1	0.2	1.9	2.0	2.41	1.3	0.4	0.5	0.13	0.20	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.007	BDL	0.007	0.007	0.023	0.014	0.014	0.007	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	1400	170	330	940	2800	1400	1700	2100	1700	490	1300	-
9	Fecal Coliform(MPN/100ml)	350	790	110	220	460	1700	790	700	940	1100	330	790	-
10	Fecal Streptococci (MPN/100ml)	220	130	49	70	140	220	220	49	70	120	47	150	-
11	Turbidity(NTU)	11.11	9	1.71	2.66	4.81	3.58	2.56	1.29	2.15	2.99	3.22	3.01	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	40.0	32.0	8.0	14.0	18.0	38.0	20.0	12.0	34.0	32.0	22.0	24.0	-
14	Chlorides(mg/l)	41.49	24.00	24.49	15.0	18.0	14.49	14.56	15.50	17.0	18.0	34.5	21.5	-
15	COD(mg/l)	18.0	18.0	4.0	10.0	18.0	14.0	6.0	10.0	20.0	4.0	20.0	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.68	0.56	0.56	1.68	1.68	0.56	0.56	1.12	2.24	1.1	1.7	-
17	Ammonia (mg/l)	BDL	0.07	0.06	BDL	0.05	BDL	0.11	BDL	0.096	BDL	0.16	BDL	-
18	Total Hardness(mg/l)	34.0	24.0	44.0	28.0	32.0	32.0	26.0	22.0	28.0	30.0	42.0	34.0	-
19	Calcium(mg/l)	11.22	8.8	7.21	8.82	5.6	9.62	6.4	2.40	6.41	10.4	3.20	8.0	-
20	Magnesium(mg/l)	1.46	0.5	6.32	BDL	4.3	1.944	2.4	3.89	2.92	1.0	8.3	3.4	-
21	Sulphate(mg/l)	8.60	5.7	6.64	6.23	4.5	1.52	5.0	4.51	1.94	10.47	5.3	3.1	-
22	Sodium(mg/l)	35.7	13.5	8.3	8.3	45.6	102.7	9.5	6.3	41.3	4.6	14.4	9.2	-
23	Total Dissolved Solids(mg/l)	160.0	87.0	74.0	66.0	146.0	93.0	63.0	60.0	65.0	69.0	89.0	79.0	-
24	Total Fixed Solids(mg/l)	96.0	52.0	44.0	40.0	100.0	55.0	44.0	36.0	22.0	48.0	29.0	32.0	-
25	Total Suspended Solids(mg/l)	33.0	16.0	7.0	3.0	12.0	7.0	8.0	5.0	6.0	11.0	7.0	5.0	-
26	Phosphate(mg/l)	BDL	0.02	BDL	BDL	0.04	0.221	BDL	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.9	BDL	1.1	0.7	0.8	-	0.34	0.8	0.3	0.33	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	4.8	8.8	5.4	1.2	23.2	51.4	2.3	1.5	25.3	2.8	0.7	7.0	-
29	Flouride(mg/l)	BDL	BDL	0.3	0.6	BDL	1.17	BDL	BDL	BDL	BDL	BDL	0.2	-
30	SAR	14.18	6.26	3.19	3.66	20.5	42.71	0.5	3.55	19.12	1.9	6.02	3.9	Max 26.0
31	Percent Sodium (%)	76.16	70.50	50.31	48.03	87.68	93.02	1.71	55.36	87.71	39.38	56.85	58.7	-
32	Arsenic(mg/l)	0.00053	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00007	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00605	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00162	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.016	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.90348	-	-	-	-	-	142.32	-	-	-	-	-	-
40	Manganese (mg/l)	0.10899	-	-	-	-	-	246.61	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BONDVOL LAKE, CALAPUR, TALEIGAO														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	28	28	28	27	28	28	29	28	29	30	-
2	Dissolved Oxygen(mg/l)	7.4	5.2	5.0	5.2	4.7	6.2	5.0	4.5	4.7	7.0	5.5	5.7	-
3	pH	6.33	6.10	5.8	8.22	5.90	6.01	5.62	5.37	5.97	6.26	5.88	6.15	6-8.5
4	Conductivity(µs/cm)	68.52	78.3	72.4	2447.0	65.66	59.6	61.49	56.81	55.72	50.72	73.44	68.96	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.145	BDL	0.1	BDL	0.23	0.1	0.1	0.2	0.4	BDL	0.5	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	0.015	BDL	BDL	BDL	BDL	0.005	BDL	BDL	0.005	-
8	Total Coliform(MPN/100ml)	540	790	920	330	350	470	210	310	330	130	460	790	-
9	Fecal Coliform(MPN/100ml)	350	270	220	170	240	400	130	130	130	78	230	330	-
10	Fecal Streptococci (MPN/100ml)	430	79	94	130	79	70	70	79	70	23	140	220	-
11	Turbidity(NTU)	2.65	1.8	12.5	43.30	5.41	6.96	1.15	2.15	2.34	1.70	2.32	3.26	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	22.0	16.0	16.0	30.0	18.0	10.0	22.0	16.0	16.0	24.0	42.0	52.0	-
14	Chlorides(mg/l)	10.99	10.5	18.0	749.7	9.0	7.5	10.0	9.00	8.4	9.0	15.00	13.49	-
15	COD(mg/l)	4.0	8.0	8.0	8.0	2.0	6.0	8.0	12.0	10.0	4.0	6.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.70	0.56	2.24	0.56	1.1	1.12	0.56	2.2	0.58	0.56	1.12	-
17	Ammonia (mg/l)	0.04	BDL	BDL	0.18	BDL	BDL	BDL	BDL	0.10	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	16.0	20.0	16.0	16.0	18.0	30.0	22.0	12.0	38.0	30.0	36.0	-
19	Calcium(mg/l)	4.01	3.2	3.2	1.6	3.2	BDL	5.6	4.01	3.2	11.22	8.02	7.21	-
20	Magnesium(mg/l)	1.944	1.9	2.9	2.9	1.9	3.9	3.9	2.92	1.0	2.43	2.43	4.40	-
21	Sulphate(mg/l)	4.43	10.6	3.8	143.1	3.29	8.1	BDL	BDL	BDL	BDL	36.35	2.5	-
22	Sodium(mg/l)	14.0	5.6	8.9	401.5	54.3	17.2	8.6	6.9	37.1	3.8	16.2	8.3	-
23	Total Dissolved Solids(mg/l)	38.0	52.0	46.0	1467.0	36.0	39.0	35.0	33.0	37.0	31.0	42.0	38.56	-
24	Total Fixed Solids(mg/l)	22.0	17.0	28.0	587.0	24.0	25.0	23.0	19.0	9.0	18.0	25.0	23.0	-
25	Total Suspended Solids(mg/l)	6.0	6.0	18.0	38.0	16.0	8.0	4.0	5.0	5.0	5.0	5.0	6.0	-
26	Phosphate(mg/l)	0.02	0.02	BDL	BDL	0.03	0.05	0.02	BDL	BDL	BDL	BDL	0.03	-
27	Boron(mg/l)	1.713	BDL	BDL	BDL	0.2	-	0.2	1.5	BDL	0.8	2.0	0.7	Max 2mg/l
28	Potassium(mg/l)	6.8	13.1	2.2	11.8	35.0	2.1	1.0	1.1	15.4	1.6	4.1	0.9	-
29	Flouride(mg/l)	BDL	0.5	0.2	0.1	BDL	0.2	BDL	BDL	0.4	BDL	0.2	BDL	-
30	SAR	8.11	3.50	5.09	267.67	33.80	11.22	3.95	3.71	25.69	1.45	7.09	3.44	Max 26.0
31	Percent Sodium (%)	77.75	78.40	64.45	98.92	94.55	80.42	50.26	53.58	92.64	28.35	66.02	44.21	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	2.74098	-	-	-	-	-	167.00	-	-	-	-	-	-
40	Manganese (mg/l)	0.239751	-	-	-	-	-	747.00	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SULABHAT LAKE, AGACAIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	29	28	29	29	30	31	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	7.0	6.3	5.3	4.3	4.1	1.1	BDL	3.1	5.6	5.2	4.0	5.1	-
3	pH	6.73	6.8	6.18	6.37	6.26	5.83	5.26	5.74	6.42	8.64	5.94	6.6	6-8.5
4	Conductivity(µs/cm)	79.17	141.9	64.78	60.58	70.35	71.75	88.13	64.46	73.64	105.5	88.2	96.22	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	5.4	5.4	4.7	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.6	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	0.006	0.009	BDL	BDL	BDL	BDL	0.005	-
8	Total Coliform(MPN/100ml)	920	2800	1300	1700	1700	2800	2200	2400	460	790	3500	1700	-
9	Fecal Coliform(MPN/100ml)	350	1400	780	790	700	1400	940	790	230	330	1100	490	-
10	Fecal Streptococci (MPN/100ml)	220	240	280	200	240	280	280	240	210	130	240	220	-
11	Turbidity(NTU)	3.60	9.2	2.49	4.48	5.95	4.17	5.50	3.37	1.23	2.33	2.24	2.58	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	-
13	Total Alkalinity(mg/l)	12.0	12.0	18.0	12.0	26.0	32.0	28.0	36.0	16.0	32.0	42.0	40.0	-
14	Chlorides(mg/l)	12.99	19.50	7.83	7.5	7.0	11.99	11.5	10.00	9.5	12.0	13.00	18.49	-
15	COD(mg/l)	6.0	6.0	10.0	10.0	20.0	18.0	18.0	18.0	8.0	4.0	6.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.70	2.2	1.68	1.12	1.68	1.68	1.68	2.2	1.68	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	0.16	BDL	BDL	0.43	BDL	0.1	-
18	Total Hardness(mg/l)	18.0	22.0	26.0	48.0	22.0	22.0	46.0	38.0	18.0	32.0	40.0	52.0	-
19	Calcium(mg/l)	4.01	4.8	4.0	5.6	4.0	4.809	10.4	5.61	6.4	5.61	9.62	12.0	-
20	Magnesium(mg/l)	1.944	2.4	3.89	8.3	2.9	2.430	4.8	5.83	2.0	4.37	3.89	5.3	-
21	Sulphate(mg/l)	13.67	15.0	9.45	1.5	4.7	6.44	8.7	2.94	2.7	7.12	3.01	2.9	-
22	Sodium(mg/l)	15.1	5.1	16.4	75.9	61.6	29.6	10.8	4.3	42.7	11.6	19.0	11.1	-
23	Total Dissolved Solids(mg/l)	44.0	99.0	37.0	36.0	39.0	40.0	52.0	34.0	48.0	64.0	54.0	53.0	-
24	Total Fixed Solids(mg/l)	26.0	32.0	14.0	14.0	26.0	24.0	32.0	20.0	15.0	38.0	32.0	31.0	-
25	Total Suspended Solids(mg/l)	8.0	14.0	9.0	8.0	17.0	6.0	12.0	6.0	4.0	7.0	5.0	6.0	-
26	Phosphate(mg/l)	0.03	0.02	BDL	BDL	0.03	0.04	0.54	BDL	BDL	0.17	BDL	0.02	-
27	Boron(mg/l)	1.689	BDL	BDL	BDL	-	-	0.4	1.6	BDL	0.4	1.7	0.9	Max 2mg/l
28	Potassium(mg/l)	7.3	3.1	9.6	9.4	33.0	14.8	4.4	1.2	16.1	1.9	4.6	1.5	-
29	Flouride(mg/l)	BDL	1.0	0.41	0.2	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	-
30	SAR	8.75	2.68	6.72	28.83	33.10	15.56	3.79	1.80	23.01	5.19	7.31	3.77	Max 26.0
31	Percent Sodium (%)	79.0	53.1	76.72	86.02	93.18	85.98	48.41	32.47	89.52	57.50	63.60	42.14	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	1.35	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.324701	-	-	-	-	-	718.21	-	-	-	-	-	-
40	Manganese (mg/l)	0.052926	-	-	-	-	-	238.53	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MALEBHAAT LAKE, TISWADI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	31	28	29	28	28	29	29	29	29	29	30	-
2	Dissolved Oxygen(mg/l)	5.2	4.6	7.3	5.9	4.8	4.3	5.0	5.0	5.6	6.9	5.3	5.5	-
3	pH	7.61	7.8	7.1	6.96	7.22	7.05	5.20	7.26	7.51	7.95	7.3	7.75	6-8.5
4	Conductivity(µs/cm)	57370.0	52310.0	11050.0	1408.0	19650.0	22700.0	29490.0	29850.0	45910.0	47740.0	49780.00	49180.0	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.411	0.1	2.1	BDL	BDL	0.29	0.1	0.2	0.12	BDL	BDL	0.101	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	BDL	0.071	0.015	0.005	0.006	0.006	0.010	0.008	0.006	0.007	0.007	-
8	Total Coliform(MPN/100ml)	1600	1700	2100	2400	2800	3500	2400	2200	2400	1300	2400	2400	-
9	Fecal Coliform(MPN/100ml)	540	1100	1300	490	790	1700	790	700	490	790	790	790	-
10	Fecal Streptococci (MPN/100ml)	430	140	170	140	220	240	280	240	170	140	220	170	-
11	Turbidity(NTU)	7.62	7.10	10.7	40.7	10.33	5.48	9.23	8.25	5.88	2.33	6.90	8.03	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	112.0	106.0	46.0	24.0	104.0	54.0	74.0	90.0	96.0	112.0	106.0	134.0	-
14	Chlorides(mg/l)	17244.6	17244.7	4548.6	409.87	5198.39	7497.88	10121.9	12496.1	16994.7	17744.50	17119.7	17244.7	-
15	COD(mg/l)	-	-	-	12.0	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	3.70	1.12	2.20	0.56	1.68	1.12	1.68	0.56	1.12	2.24	0.56	-
17	Ammonia (mg/l)	0.05	BDL	0.06	0.05	0.06	0.06	0.05	BDL	BDL	0.08	BDL	0.18	-
18	Total Hardness(mg/l)	7000.0	6200.0	1640.0	320.0	1680.0	4200.0	4000.0	7200.0	6400.0	7000.0	8600.0	7600.0	-
19	Calcium(mg/l)	721.4	320.6	192.3	64.1	112.2	400.8	400.8	480.96	480.96	480.96	1843.68	1603.2	-
20	Magnesium(mg/l)	1263.6	1312.2	281.9	38.9	340.2	777.6	729.0	1458.00	1263.60	1409.40	972.00	874.8	-
21	Sulphate(mg/l)	5744.1	4319.1	110.8	43.43	657.60	372.50	2072.0	294.00	471.9	612.95	584.00	696.0	-
22	Sodium(mg/l)	9800.0	32.1	360.0	77.4	6150.0	7775.0	6525.0	7900.0	10268.4	10575.0	4625.0	9887.0	-
23	Total Dissolved Solids(mg/l)	32127.0	34767.0	7072.0	901.0	12183.0	14301.0	17104.0	18208.0	25709.0	25124.0	31859.0	27540.0	-
24	Total Fixed Solids(mg/l)	19276.0	11577.0	4243.0	621.0	8528.0	9724.0	11117.0	10924.0	15425.0	15103.0	19115.0	16524.0	-
25	Total Suspended Solids(mg/l)	14.0	16.0	16.0	110.0	41.0	20.0	19.0	12.0	10.0	9.0	9.0	10.0	-
26	Phosphate(mg/l)	0.05	0.04	0.03	0.06	0.08	0.13	0.02	0.05	0.55	0.02	0.04	BDL	-
27	Boron(mg/l)	1.359	2.6	0.9	1.42	-	-	0.4	1.9	1.23	0.8	1.6	1.2	Max 2mg/l
28	Potassium(mg/l)	4900.0	0.1	70.0	2.3	3430.0	6500.0	650.0	5200.0	536.1	75.0	11.6	900.3	-
29	Flouride(mg/l)	1.449	1.4	0.7	0.21	0.82	0.98	0.4	0.8	1.1	0.8	1.7	1.3	-
30	SAR	311.07	1.12	23.38	47.5	408.9	320.3	158.49	253.72	347.68	343.97	123.26	280.89	Max 26.0
31	Percent Sodium (%)	88.10	1.90	47.55	93.74	93.18	92.37	67.91	87.11	86.1	84.93	62.22	81.32	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.44115	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.05843	-	-	-	-	-	1157.0	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

GAWALI MAULA LAKE, TISWADI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	29	29	29	29	30	30	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	5.5	4.5	5.4	5.5	7.1	8.5	4.9	4.6	4.7	5.9	7.4	4.9	-
3	pH	7.45	9.2	6.01	6.13	6.12	5.65	6.20	5.92	6.00	6.3	6.61	7.02	6-8.5
4	Conductivity(µs/cm)	44180.0	69420.0	211.9	82.70	159.0	112.50	153.3	86.1	163.9	832.90	12520.00	12470.0	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.172	BDL	0.82	BDL	BDL	BDL	0.1	0.2	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.010	0.008	BDL	BDL	0.006	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	700	790	400	320	1300	790	1300	790	110	330	1300	-
9	Fecal Coliform(MPN/100ml)	280	490	330	270	210	490	330	490	330	78	230	790	-
10	Fecal Streptococci (MPN/100ml)	220	130	110	46	49	150	130	170	110	27	130	220	-
11	Turbidity(NTU)	5.30	23.9	8.30	3.68	10.74	9.76	10.89	6.94	6.1	3.04	3.65	2.99	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	118.0	194.0	14.0	12.0	40.0	32.0	24.0	32.0	48.0	38.0	62.0	116.0	-
14	Chlorides(mg/l)	15995.04	17119.7	53.8	12.50	28.49	20.49	28.5	22.49	29.49	213.93	5748.22	5123.4	-
15	COD(mg/l)	-	-	12.0	4.0	6.0	10.0	10.0	8.0	12.0	8.0	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	2.8	2.2	1.68	1.12	0.56	1.12	1.12	1.68	0.56	0.56	1.68	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.069	0.05	BDL	0.17	-
18	Total Hardness(mg/l)	8200.0	5600.0	34.0	28.0	24.0	30.0	42.0	52.0	32.0	88.0	8600.0	3000.0	-
19	Calcium(mg/l)	561.1	641.3	5.6	4.8	4.0	6.143	8.8	5.61	5.6	12.02	1122.24	721.4	-
20	Magnesium(mg/l)	1652.4	972.0	4.86	3.9	3.4	3.402	4.8	9.23	4.37	14.09	1409.40	291.6	-
21	Sulphate(mg/l)	2598.96	2631.00	11.9	5.51	9.23	9.65	9.8	5.60	4.5	27.09	576.70	81.2	-
22	Sodium(mg/l)	8450.0	575.7	25.5	15.8	57.1	40.2	19.0	6.0	20.5	34.0	9600.0	5432.5	-
23	Total Dissolved Solids(mg/l)	24740.0	46182.0	129.0	48.0	92.0	63.0	90.0	55.0	91.0	517.0	7136.0	6983.0	-
24	Total Fixed Solids(mg/l)	14844.0	15387.0	70.0	32.0	63.0	37.0	63.0	33.0	54.0	310.0	4282.0	4189.0	-
25	Total Suspended Solids(mg/l)	13.0	49.0	22.0	10.0	42.0	12.0	21.0	12.0	11.0	15.0	5.0	5.0	-
26	Phosphate(mg/l)	BDL	0.47	0.026	0.03	0.05	0.05	BDL	BDL	0.03	0.02	BDL	0.02	-
27	Boron(mg/l)	0.957	2	BDL	0.84	-	-	0.3	1.9	0.73	1.5	1.2	0.83	Max 2mg/l
28	Potassium(mg/l)	4482.0	169.1	8.9	10.3	33.3	20.3	1.60	1.2	2.5	19.0	5.5	400.4	-
29	Flouride(mg/l)	1.391	0.6	0.51	0.32	BDL	BDL	0.2	BDL	0.2	0.2	0.7	0.1	-
30	SAR	254.0	20.27	9.01	10.7	29.7	18.15	5.03	2.20	9.18	9.41	269.83	241.38	Max 26.0
31	Percent Sodium (%)	85.39	31.6	76.68	85.72	92.42	86.04	41.96	32.67	69.76	67.0	79.14	85.2	-
32	Arsenic(mg/l)	0.00154	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.48365	-	-	-	-	-	590.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.17011	-	-	-	-	-	165.0	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CURCA LAKE, TISWADI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	D R Y	D R Y	28	28	28	27	29	28	29	29	N A	DRY	-
2	Dissolved Oxygen(mg/l)			5.6	2.8	8.5	5.6	6.7	5.6	3.2	4.3			-
3	pH			5.8	6.12	6.41	6.70	5.26	6.19	7.07	6.67			6-8.5
4	Conductivity(µs/cm)			609.3	175.2	5604.0	6580	3050.0	1745.0	41.76	38060.0			Max 2250 µs/cm
5	BOD(mg/l)			BDL	4.1	BDL	BDL	BDL	BDL	3.2	BDL			-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)			0.3	BDL	0.37	0.31	BDL	0.3	0.1	BDL			-
7	Nitrite Nitrogen as NO ₂ -N mg/l			0.007	0.011	BDL	0.006	BDL	0.007	0.005	0.006			-
8	Total Coliform(MPN/100ml)			2300	1700	1400	2400	700	2100	1700	330			-
9	Fecal Coliform(MPN/100ml)			780	490	700	790	330	630	700	230			-
10	Fecal Streptococci (MPN/100ml)			220	130	140	170	130	170	140	49			-
11	Turbidity(NTU)			8.2	8.55	7.84	4.92	2.92	6.20	13.12	11.95			-
12	Phenolphthalein Alkalinity(mg/l)			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			-
13	Total Alkalinity(mg/l)			40	16	42.0	34	32.0	50.0	92.0	26.0			-
14	Chlorides(mg/l)			259.9	40.49	1299.60	1911.9	549.8	549.83	64.5	15745.12			-
15	COD(mg/l)			8.0	16.0	8.0	12.0	8.0	8.0	20.0	-			-
16	Total Kjeldahl Nitrogen(mg/l)			1.68	1.12	1.12	1.12	1.68	1.12	2.2	2.24			-
17	Ammonia (mg/l)			0.12	0.09	BDL	0.2	BDL	BDL	0.30	0.53			-
18	Total Hardness(mg/l)			76	26	480	2200	316.0	170.0	58.0	5200.0			-
19	Calcium(mg/l)			12	4.81	56.1	52.9	62.5	15.23	6.4	1042.08			-
20	Magnesium(mg/l)			11.2	3.40	82.6	502.50	38.9	32.08	41.8	631.80			-
21	Sulphate(mg/l)			28.8	5.72	190.56	248.83	162.8	52.36	8.9	433.55			-
22	Sodium(mg/l)			36.9	8.5	5390.0	1052.5	1030.0	440.0	33.2	8225.0			-
23	Total Dissolved Solids(mg/l)			390.0	111.0	3362.0	4013.0	1860.0	977.0	27.0	20497.0			-
24	Total Fixed Solids(mg/l)			234.0	67.0	2319.0	2728.0	1264.0	586.0	8.0	12293.0			-
25	Total Suspended Solids(mg/l)			12.0	10.0	23.0	18.0	7.0	10.0	21.0	18.0			-
26	Phosphate(mg/l)			BDL	BDL	0.02	0.06	BDL	BDL	0.03	0.04			-
27	Boron(mg/l)			0.8	0.65	-	-	0.5	1.6	0.2	0.7			Max 2mg/l
28	Potassium(mg/l)			4.9	3.9	3570.0	597.5	225.0	110.0	12.7	175.0			-
29	Flouride(mg/l)			0.3	0.3	0.29	0.54	BDL	BDL	1.3	0.7			-
30	SAR			10.41	4.19	647.2	63.2	144.65	90.47	11.52	284.31			Max 26.0
31	Percent Sodium (%)			62.44	60.16	97.51	74.82	92.52	92.08	73.44	83.38			-
32	Arsenic(mg/l)			-	-	-	-	BDL	-	-	-			-
33	Cadmium(mg/l)			-	-	-	-	BDL	-	-	-			-
34	Copper(mg/l)			-	-	-	-	BDL	-	-	-			-
35	Lead(mg/l)			-	-	-	-	BDL	-	-	-			-
36	Chromium(mg/l)			-	-	-	-	BDL	-	-	-			-
37	Nickel(mg/l)			-	-	-	-	BDL	-	-	-			-
38	Zinc(mg/l)			-	-	-	-	289.67	-	-	-			-
39	IronTotal(mg/l)			-	-	-	-	BDL	-	-	-			-
40	Manganese (mg/l)			-	-	-	-	1000.0	-	-	-			-
41	Mercury (mg/l)			-	-	-	-	BDL	-	-	-			-
42	Alpha HCH (mg/l)			-	-	-	-	BDL	-	-	-			-
43	Hexachlorobenzene (mg/l)			-	-	-	-	BDL	-	-	-			-
44	Beta HCH (mg/l)			-	-	-	-	BDL	-	-	-			-
45	Gamma HCH (mg/l)			-	-	-	-	BDL	-	-	-			-
46	Heptachlor (mg/l)			-	-	-	-	BDL	-	-	-			-
47	Aldrin (mg/l)			-	-	-	-	BDL	-	-	-			-
48	Trans -Heptachlor endo-epoxide (mg/l)			-	-	-	-	BDL	-	-	-			-
49	Alpha Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-			-
50	p,p'-DDE (mg/l)			-	-	-	-	BDL	-	-	-			-
51	Dieldrin (mg/l)			-	-	-	-	BDL	-	-	-			-
52	Endrin (mg/l)			-	-	-	-	BDL	-	-	-			-
53	Beta Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-			-
54	p,p'-DDD (mg/l)			-	-	-	-	BDL	-	-	-			-
55	o,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-			-
56	p,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-			-
57	Methoxychlor (mg/l)			-	-	-	-	BDL	-	-	-			-
58	Malathion (mg/l)			-	-	-	-	BDL	-	-	-			-
59	Chlorpyrifos (mg/l)			-	-	-	-	BDL	-	-	-			-

CANTURLIM LAKE, TISWADI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	29	29	28	29	30	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	4.6	BDL	1.3	1.8	6.4	4.0	2.9	4.3	4.7	5.1	5.2	3.5	-
3	pH	6.37	6.3	5.48	5.79	5.57	5.41	5.18	5.27	6.64	6.19	5.95	5.91	6-8.5
4	Conductivity(µs/cm)	139.5	56.5	165.7	80.57	89.20	100.1	89.98	82.25	101.8	99.83	74.1	120.6	Max 2250 µs/cm
5	BOD(mg/l)	BDL	5.6	5.4	4.4	BDL	BDL	4.2	BDL	BDL	BDL	BDL	5.8	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.179	BDL	0.84	0.1	1.15	0.92	0.6	0.3	0.42	BDL	BDL	0.280	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.005	0.024	0.021	0.008	0.006	BDL	0.005	0.006	0.006	BDL	BDL	0.009	-
8	Total Coliform(MPN/100ml)	920	2400	1300	790	940	2100	1300	1300	940	1100	1300	1300	-
9	Fecal Coliform(MPN/100ml)	350	790	450	330	460	1400	490	330	460	490	490	330	-
10	Fecal Streptococci (MPN/100ml)	180	170	140	94	130	170	220	240	220	120	170	140	-
11	Turbidity(NTU)	7.78	104	9.27	6.98	4.26	3.86	2.38	3.94	7.06	6.42	5.43	15.93	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	8.0	48.0	14.0	14.0	28.0	18.0	24.0	34.0	24.0	32.0	32.0	46.0	-
14	Chlorides(mg/l)	34.99	39.5	28.9	10.0	9.0	13.0	13.0	13.99	13.99	17.49	14.50	22.0	-
15	COD(mg/l)	8.0	20.0	18.0	14.0	2.0	2.0	16.0	4.0	10.0	4.0	6.0	18.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	2.8	2.8	1.12	0.56	0.56	1.12	0.56	1.12	1.68	1.68	1.12	-
17	Ammonia (mg/l)	BDL	2.14	0.04	0.09	BDL	BDL	0.08	BDL	0.188	0.38	BDL	0.13	-
18	Total Hardness(mg/l)	70.0	62.0	34.0	18.0	26.0	13.0	48.0	38.0	38.0	32.0	50.0	50.0	-
19	Calcium(mg/l)	14.4	12.8	8.0	3.21	4.8	7.2	9.6	8.82	8.8	7.21	9.62	10.42	-
20	Magnesium(mg/l)	8.262	7.3	3.4	2.43	3.4	8.3	5.8	3.89	3.89	3.40	6.32	5.8	-
21	Sulphate(mg/l)	7.87	7.4	16.6	4.98	5.33	7.18	9.6	2.81	2.3	4.93	4.20	7.9	-
22	Sodium(mg/l)	25.6	672.4	23.1	9.6	57.7	29.5	10.6	6.8	12.8	13.8	51.0	10.7	-
23	Total Dissolved Solids(mg/l)	78.0	37.0	95.0	51.0	51.0	57.0	55.0	51.0	57.0	64.0	45.0	67.0	-
24	Total Fixed Solids(mg/l)	46.0	12.0	49.0	31.0	35.0	39.0	36.0	30.0	34.0	38.0	27.0	40.0	-
25	Total Suspended Solids(mg/l)	15.0	7.4	66.0	8.0	12.0	10.0	8.0	9.0	12.0	29.0	7.0	16.0	-
26	Phosphate(mg/l)	0.04	0.06	0.060	0.02	0.03	0.03	0.04	0.02	0.09	0.06	0.04	BDL	-
27	Boron(mg/l)	1.207	0.3	BDL	0.45	-	-	0.4	0.4	0.76	1.2	1.3	0.74	Max 2mg/l
28	Potassium(mg/l)	12.8	189.9	5.8	4.8	32.4	8.6	1.80	1.7	0.9	1.9	3.6	1.3	-
29	Flouride(mg/l)	BDL	1.2	0.79	0.2	BDL	BDL	0.2	BDL	0.3	BDL	BDL	BDL	-
30	SAR	7.61	212.10	7.43	5.72	28.50	10.6	2.59	2.70	5.08	5.99	18.07	3.75	Max 26.0
31	Percent Sodium (%)	62.89	97.7	71.71	71.87	91.65	71.11	27.07	40.08	51.91	59.67	77.41	42.48	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	3.0	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	2.03764	-	-	-	-	-	150.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.043442	-	-	-	-	-	243.0	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

PARRA LAKE, BARDEZ															
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use	
1	Temperature°C	30	30	29	30	30	28	27	27	29	29	30	30	-	
2	Dissolved Oxygen(mg/l)	7.7	8.0	7.6	8.0	7.5	6.3	5.1	7.1	7.8	7.8	8.1	7.5	-	
3	pH	7.9	8.3	7.48	7.54	7.79	7.3	7.32	7.62	7.55	7.90	8.50	7.72	6-8.5	
4	Conductivity(µs/cm)	3132.0	3220.0	989.30	927.9	89.5	89.83	1287	1385.00	1624.0	1819.0	1942.0	1938.00	Max 2250 µs/cm	
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-	
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0.4	0.2	0.1	BDL	BDL	0.1	BDL	BDL	BDL	BDL	-	
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	BDL	0.015	0.005	BDL	0.005	BDL	BDL	BDL	BDL	BDL	BDL	-	
8	Total Coliform(MPN/100ml)	920	130	110	460	700	1100	1100	230	790	140	320	230	-	
9	Fecal Coliform(MPN/100ml)	350	78	78	230	330	700	490	130	330	78	210	130	-	
10	Fecal Streptococci (MPN/100ml)	210	40	20	170	110	94	79	7.8	140	9.2	130	27	-	
11	Turbidity(NTU)	2.19	0.36	BDL	2.31	3.46	1.6	2.13	3.00	1.73	1.0	1.92	5.65	-	
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.0	BDL	BDL	-	
13	Total Alkalinity(mg/l)	38.0	38.0	58.0	56.0	50.0	146.0	78.0	14.0	56.0	16.0	22.0	42.0	-	
14	Chlorides(mg/l)	549.83	378.9	40.5	17.99	10.0	7.49	349.9	115.00	399.9	149.95	9.5	150.0	-	
15	COD(mg/l)	10.0	4.0	6.0	8.0	8.0	4.0	10.0	12.0	12.0	4.0	6.0	4.0	-	
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.12	0.56	0.56	0.56	1.12	1.12	0.56	1.12	1.68	2.2	1.7	-	
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	0.14	BDL	0.08	BDL	0.13	0.056	-	
18	Total Hardness(mg/l)	1900.0	3400.0	536.0	356.0	374.0	346.0	860.0	740.0	1160.0	1340.0	3200.0	20.0	-	
19	Calcium(mg/l)	697.39	1042.08	195.59	108.22	74.5	128.26	320.0	281.36	224.45	416.8	801.6	6.41	-	
20	Magnesium(mg/l)	38.88	194.40	11.66	20.90	45.7	6.318	14.6	9.23	145.80	72.9	291.6	0.97	-	
21	Sulphate(mg/l)	381.07	1511.80	206.21	535.30	23.9	101.65	333.3	72.52	243.10	41.03	14.8	429.2	-	
22	Sodium(mg/l)	2420.0	89.0	23.7	22.8	38.1	75.8	3175.0	12.0	109.2	231.0	200.0	81.2	-	
23	Total Dissolved Solids(mg/l)	2001.0	1933.0	563.0	612.0	51.0	50.0	785.0	789.0	951.0	1109.0	1286.0	1163.0	-	
24	Total Fixed Solids(mg/l)	1200.0	1159.0	337.0	369.0	36.0	30.0	540.0	473.0	323.0	774.0	428.0	465.0	-	
25	Total Suspended Solids(mg/l)	6.0	4.0	5.0	3.0	7.0	4.0	7.0	5.0	4.0	5.0	3.0	9.0	-	
26	Phosphate(mg/l)	0.05	0.08	BDL	BDL	0.08	0.471	BDL	BDL	BDL	BDL	BDL	0.02	-	
27	Boron(mg/l)	1.4	BDL	1.4	1.4	0.5	-	3.87	1.1	0.3	0.39	0.2	BDL	Max 2mg/l	
28	Potassium(mg/l)	350.0	31.1	20.4	12.1	20.3	37.9	150.0	9.0	56.9	17.0	150.0	19.2	-	
29	Flouride(mg/l)	0.2	BDL	0.3	0.6	0.7	0.66	0.21	0.7	0.54	1.51	1.1	0.8	-	
30	SAR	126.13	3.58	2.33	2.84	4.91	9.24	156.5	1.00	8.03	14.8	8.55	42.27	Max 26.0	
31	Percent Sodium (%)	79.0	8.85	17.55	21.42	32.70	45.8	80.15	6.74	30.97	33.62	24.25	93.15	-	
32	Arsenic(mg/l)	0.00189	-	-	-	-	-	BDL	-	-	-	-	-	-	
33	Cadmium(mg/l)	0.00087	-	-	-	-	-	BDL	-	-	-	-	-	-	
34	Copper(mg/l)	0.06315	-	-	-	-	-	35.32	-	-	-	-	-	-	
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
38	Zinc(mg/l)	0.03481	-	-	-	-	-	113.92	-	-	-	-	-	-	
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
40	Manganese (mg/l)	0.02858	-	-	-	-	-	98.18	-	-	-	-	-	-	
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	

KHANDEPAR LAKE, BICHOLIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	29	29	29	27	29	28	29	27	30	30	29	30	-
2	Dissolved Oxygen(mg/l)	5.4	7.7	7.1	5.1	4.2	4.6	7.5	4.1	4.0	3.6	5.0	6.3	-
3	pH	5.5	5.71	5.83	6.23	5.37	5.89	7.10	4.94	5.3	5.4	5.30	5.35	6-8.5
4	Conductivity(µs/cm)	93.1	59.58	61.10	74.73	71.9	91.90	56.84	69.39	54690.0	73.6	49.54	88.98	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.2	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.5	0.672	0.9	0.229	0.51	0.5	0.41	0.54	BDL	BDL	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.003	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.006	-
8	Total Coliform(MPN/100ml)	920	700	700	400	460	400	470	330	490	120	78	130	-
9	Fecal Coliform(MPN/100ml)	540	330	330	220	330	270	260	220	230	93	45	78	-
10	Fecal Streptococci (MPN/100ml)	430	170	140	33	130	70	130	110	130	70	11	4	-
11	Turbidity(NTU)	2.4	BDL	1.59	2.12	1.15	0.39	0.53	0.70	1.2	1.8	1.44	0.92	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	38.0	20.0	14.0	16.0	36.0	22.0	14.0	16.0	22.0	24.0	22.0	20.0	-
14	Chlorides(mg/l)	20.5	12.5	9.50	9.5	6.99	5.50	8.0	7.50	2999.1	13.0	8.0	15.5	-
15	COD(mg/l)	8.0	4.0	8.0	8.0	4.0	4.0	8.0	8.0	-	16.0	8.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	2.80	0.56	0.56	0.56	1.7	3.92	1.68	1.12	0.56	0.6	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	20.0	18.0	18.0	18.0	32.0	16.0	24.0	2400.0	44.0	26.0	16.0	-
19	Calcium(mg/l)	4.8	5.61	4.8	3.2	3.21	7.2	4.0	2.4	400.8	7.2	4.0	4.008	-
20	Magnesium(mg/l)	1.5	B	1.5	2.43	2.43	3.4	1.5	4.4	340.20	6.3	3.9	1.5	-
21	Sulphate(mg/l)	3.4	3.44	5.07	2.4	BDL	9.69	2.0	3.30	14.3	6.2	2.0	2.2	-
22	Sodium(mg/l)	27.5	13.5	47.4	24.8	40.0	57.3	8.0	9.6	10175.3	29.1	1.4	99.2	-
23	Total Dissolved Solids(mg/l)	60.0	37.0	36.0	44.0	40.0	54.0	37.0	39.0	30626.0	47.0	29.0	59.0	-
24	Total Fixed Solids(mg/l)	36.0	22.0	24.0	31.0	24.0	37.0	12.0	28.0	18375.0	28.0	17.0	19.0	-
25	Total Suspended Solids(mg/l)	5.0	8.0	3.0	4.0	4.0	2.0	2.0	3.0	6.0	5.0	5.0	7.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	BDL	0.03	BDL	BDL	0.04	0.49	BDL	BDL	BDL	-
27	Boron(mg/l)	0.4	1.4	0.57	0.6	0.289	-	BDL	0.27	1.24	0.4	0.3	0.3	Max 2mg/l
28	Potassium(mg/l)	4.4	8.4	18.9	13.7	20.2	14.8	2.0	1.5	589.6	3.1	0.7	24.1	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.2	BDL	BDL	0.9	BDL	0.2	0.2	BDL	BDL	-
30	SAR	15.53	7.18	26.8	14.78	23.82	24.9	4.8	5.2	528.63	11.19	0.7	60.01	Max 26.0
31	Percent Sodium (%)	83.57	75.60	91.36	87.24	91.43	87.17	64.6	62.08	93.56	70.41	20.98	95.8	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	59.61	-	-	-	-	-	-
40	Manganese (mg/l)	0.094979	-	-	-	-	-	24.62	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BANASTARIM LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	30	29	29	27	30	30	30	29	31	31	-
2	Dissolved Oxygen(mg/l)	4	4.1	2.5	5.7	5.4	4.2	5.3	5.6	5.0	4.9	7.6	4.1	-
3	pH	7.12	6.92	6.6	6.5	6.3	6.29	7.38	6.3	6.50	6.64	6.79	6.57	6-8.5
4	Conductivity(µs/cm)	36520.0	38790.0	1691.0	86.3	81.1	591.8	1114.0	231.4	3695.0	18020.0	5132.0	16040.0	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1	0.5	0.1	0.2	0.1	BDL	BDL	BDL	BDL	0.1	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.024	0.014	0.005	BDL	BDL	BDL	BDL	BDL	0.005	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	430	1700	1300	1100	2200	2400	1700	1700	1700	2200	2400	1300	-
9	Fecal Coliform(MPN/100ml)	250	1300	790	490	790	1300	1100	700	790	1400	790	490	-
10	Fecal Streptococci (MPN/100ml)	220	240	240	220	110	170	220	220	170	170	210	170	-
11	Turbidity(NTU)	2.93	12.93	11.9	16.12	10.5	5.28	3.27	5.0	7.38	9.89	4.53	8.29	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	114.0	108.0	28.0	14.0	26.0	22.0	24.0	30.0	30.0	52.0	46.0	78.0	-
14	Chlorides(mg/l)	12620.8	15495.2	749.8	16.49	17.5	147.95	324.90	52.5	1549.52	7997.5	2374.5	5498.3	-
15	COD(mg/l)	-	-	20.0	4.0	8.0	6.0	8.0	10.0	10.0	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.12	0.56	0.56	1.12	0.56	0.56	1.12	1.68	3.9	0.56	2.2	-
17	Ammonia (mg/l)	0.06	0.08	BDL	0.05	0.07	BDL	0.07	0.05	BDL	0.11	BDL	0.08	-
18	Total Hardness(mg/l)	4400.0	8800.0	192.0	20.0	18.0	64.0	92.0	30.0	380.0	3000.0	1200.0	2800.0	-
19	Calcium(mg/l)	400.8	1122.24	14.4	4.01	4.0	11.22	12.02	6.4	28.06	240.5	240.5	480.96	-
20	Magnesium(mg/l)	826.2	1458.0	37.9	2.43	BDL	8.75	16.52	3.4	75.33	583.2	145.80	388.80	-
21	Sulphate(mg/l)	777.6	1590.63	65.9	1.27	2.5	14.70	30.19	4.1	26.66	801.3	73.0	101.5	-
22	Sodium(mg/l)	817.2	10350.0	2920.0	53.4	11.2	17.6	1320.0	52.1	85.0	662.9	4900.0	8997.3	-
23	Total Dissolved Solids(mg/l)	21912.0	21722.0	1082.0	52.0	49.0	369.0	709.0	148.0	1995.0	11795.0	2873.0	8982.0	-
24	Total Fixed Solids(mg/l)	8765.0	13033.0	649.0	31.0	20.0	221.0	429.0	89.0	1197.0	3931.0	1723.0	5389.2	-
25	Total Suspended Solids(mg/l)	6.0	20.0	9.0	22.0	16.0	8.0	9.0	9.0	8.0	20.0	9.0	14.0	-
26	Phosphate(mg/l)	BDL	BDL	0.04	0.27	BDL	BDL	0.25	0.21	0.02	BDL	0.02	BDL	-
27	Boron(mg/l)	BDL	1.549	1.5	0.2	-	-	0.8	1.5	1.5	0.7	0.8	1.5	Max 2mg/l
28	Potassium(mg/l)	269.5	5175.0	950.0	41.7	6.4	10.6	80.0	1.4	71.0	89.7	3175.0	500.0	-
29	Flouride(mg/l)	0.90	1.129	0.3	0.02	BDL	1.1	0.3	0.3	BDL	1.0	0.43	0.67	-
30	SAR	32.99	288.15	570.81	29.76	6.49	5.57	349.43	23.52	11.82	18.27	352.6	396.45	Max 26.0
31	Percent Sodium (%)	47.0	85.75	98.67	93.66	74.73	58.54	98.0	84.5	60.14	22.24	95.43	90.22	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.0023	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	7.85	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	437.24	-	-	-	-	-	-
39	IronTotal(mg/l)	0.27436	-	-	-	-	-	38.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.16583	-	-	-	-	-	306.52	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

XELDEM LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	29	30	29	28	29	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	5.3	4.8	7.3	2.1	4.9	1.3	4.5	1.9	5.1	5.2	5.7	5.7	-
3	pH	6.73	6.61	6.57	6.53	6.95	6.3	6.37	6.1	7.28	5.89	7.10	6.89	6-8.5
4	Conductivity(µs/cm)	71.53	100.4	82.3	81.35	110.3	87.3	22.96	95.8	161.1	133.6	77.77	93.72	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	5.4	BDL	5.2	BDL	4.6	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	0.3	0.1	0.1	0.1	0.7	BDL	0.1	0.12	0.24	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.024	0.028	BDL	0.006	BDL	0.075	BDL	BDL	0.025	0.009	BDL	0.008	-
8	Total Coliform(MPN/100ml)	540	2300	1300	1400	490	1700	790	700	310	1400	490	330	-
9	Fecal Coliform(MPN/100ml)	210	1300	450	450	330	1300	330	460	230	460	230	230	-
10	Fecal Streptococci (MPN/100ml)	430	210	130	130	94	130	21	12	110	130	140	94	-
11	Turbidity(NTU)	2.94	38.8	5.53	7.07	6.54	3.7	8.77	9.9	31.91	28.3	6.97	13.29	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	36.0	32.0	20.0	16.0	30.0	58.0	26.0	38.0	42.0	18.0	32.0	30.0	-
14	Chlorides(mg/l)	24.99	9.0	9.0	12.0	10.0	10.5	7.0	11.5	11.0	11.0	8.5	12.0	-
15	COD(mg/l)	4.0	6.0	6.0	18.0	8.0	20.0	10.0	18.0	12.0	10.0	8.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.68	2.24	1.12	0.56	0.56	1.12	0.56	4.48	2.24	0.56	1.68	-
17	Ammonia (mg/l)	0.08	0.05	0.07	BDL	BDL	BDL	0.07	BDL	0.19	0.105	BDL	0.13	-
18	Total Hardness(mg/l)	24.0	48.0	22.0	24.0	34.0	26.0	24.0	30.0	58.0	40.0	30.0	26.0	-
19	Calcium(mg/l)	7.21	8.82	5.6	4.8	6.41	8	6.4	8.8	9.6	8.8	4.8	8.02	-
20	Magnesium(mg/l)	BDL	6.32	BDL	2.9	4.37	BDL	BDL	BDL	8.3	17.9	4.3	BDL	-
21	Sulphate(mg/l)	3.36	14.4	9.9	6.5	3.76	3.9	5.86	6.3	13.25	6.37	4.6	7.80	-
22	Sodium(mg/l)	28.1	34.6	2.9	8.8	25.4	12.3	9.5	35.5	10	67.3	1.9	2.3	-
23	Total Dissolved Solids(mg/l)	45.0	58.0	54.0	50.0	63.0	52.0	14.0	61.0	96.0	80.0	47.0	62.0	-
24	Total Fixed Solids(mg/l)	27.0	34.0	17.0	31.0	38.0	21.0	10.0	370.0	67.0	31.0	28.0	38.0	-
25	Total Suspended Solids(mg/l)	12.0	46.0	9.0	17.0	6.0	7.0	34.0	21.0	102.0	32.0	13.0	21.0	-
26	Phosphate(mg/l)	0.05	0.05	0.03	BDL	BDL	BDL	BDL	BDL	0.03	0.02	BDL	BDL	-
27	Boron(mg/l)	0.6	1.8	0.2	0.8	BDL	--	BDL	0.6	0.28	0.6	0.2	0.9	Max 2mg/l
28	Potassium (mg/l)	4.2	14.1	0.9	5.2	6.4	6.1	3.8	11.2	2.5	26.8	0.4	1.1	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.3	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL	-
30	SAR	13.49	12.58	1.49	4.48	10.94	5.65	4.6	15.32	3.3	15.95	0.89	1.06	Max 26.0
31	Percent Sodium (%)	78.83	76.28	33.5	64.52	74.68	66.01	61.41	81.29	41.14	72.54	20.16	26.41	-
32	Arsenic(mg/l)	0.00062	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00006	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01457	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00461	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.01346	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	1.878550	-	-	-	-	-	1.544	-	-	-	-	-	-
40	Managanese (mg/l)	0.14346	-	-	-	-	-	0.14087	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

NANDA LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	30	30	29	28	28	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	5.9	3.1	1.9	6.4	7.7	6.2	5.0	7.1	6.5	4.9	5.1	6.0	-
3	pH	6.75	6.71	6.48	6.93	6.87	6.7	6.71	6.4	7.65	6.49	6.36	6.78	6-8.5
4	Conductivity(µs/cm)	69.19	74.5	77.52	74.6	98.36	73.2	45.36	101.9	77.79	136.6	60.54	59.46	Max 2250 µs/cm
5	BOD(mg/l)	BDL	4.8	4.3	BDL	BDL	1.5	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.3	BDL	1	0	0.12	BDL	0.19	4.5	0.25	1.52	0.3	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.138	0.009	0.005	0.086	0.010	BDL	0.04	0.185	0.008	0.056	0.088	0.074	-
8	Total Coliform(MPN/100ml)	1600	1100	930	1100	2200	2400	2200	2400	2200	790	790	460	-
9	Fecal Coliform(MPN/100ml)	350	700	450	450	1100	1300	940	790	700	330	490	330	-
10	Fecal Streptococci (MPN/100ml)	220	130	68	49	140	170	280	240	240	220	130	130	-
11	Turbidity(NTU)	2.94	6.69	18.2	2.9	14.93	13.14	58.0	20.7	16.02	8.30	7.82	6.44	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	28.0	32.0	22.0	18.0	20.0	58.0	24.0	38	24.0	26.0	32.0	22.0	-
14	Chlorides(mg/l)	7.50	7.00	6.50	10.50	9.49	8.50	6.0	8.0	7.0	12.0	6.0	7.0	-
15	COD(mg/l)	6.0	8.0	18.0	10.0	8.0	6.0	10.0	8.0	6.0	10.0	8.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	0.56	1.12	1.12	0.56	0.56	1.12	1.12	3.92	2.24	0.56	0.56	-
17	Ammonia (mg/l)	0.18	BDL	0.07	0.07	0.06	BDL	0.18	BDL	0.05	0.195	BDL	BDL	-
18	Total Hardness(mg/l)	26.0	70.0	26.0	26.0	34.0	26.0	26.0	26.0	26.0	16.0	22.0	32.0	-
19	Calcium(mg/l)	8.02	8.02	8	5.6	6.41	5.6	8.8	7.21	4.0	4.8	3.2	8.82	-
20	Magnesium(mg/l)	BDL	12.15	BDL	2.9	4.37	2.9	BDL	BDL	3.9	4.0	3.4	2.43	-
21	Sulphate(mg/l)	3.42	6.7	6.4	2.1	8.70	4.6	8.52	3.1	4.91	3.11	2.3	4.90	-
22	Sodium(mg/l)	28.1	34.3	1.9	8.6	23.8	10.4	9.7	29.6	9.6	68.6	2.4	1.7	-
23	Total Dissolved Solids(mg/l)	44.0	49.0	51.0	44.0	62.0	44.0	26.0	65.0	46.0	82.0	36.0	32.0	-
24	Total Fixed Solids(mg/l)	26.0	29.0	16.0	29.0	15.0	18.0	18.0	39.0	31.0	33.0	22.0	19.0	-
25	Total Suspended Solids(mg/l)	15.0	13.0	23.0	6.0	37.0	22.0	160.0	26.0	52.0	12.0	15.0	9.0	-
26	Phosphate(mg/l)	0.03	0.02	0.02	BDL	BDL	0.0	0.05	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.7	1.6	BDL	1.0	BDL	--	BDL	0.6	0.27	0.6	0.2	0.4	Max 2mg/l
28	Potassium(mg/l)	5.1	15.6	0.5	5.5	10.3	4.2	3.6	3.23	0.7	28.1	0.3	0.9	-
29	Flouride(mg/l)	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
30	SAR	12.91	10.80	0.87	4.17	10.25	5.04	4.4	13.85	4.8	40.35	1.32	0.72	Max 26.0
31	Percent Sodium (%)	77.80	71.21	20.3	62.39	75.98	63.13	57.60	78.21	56.61	94.36	29.0	18.78	-
32	Arsenic(mg/l)	0.000260	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000070	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.018130	-	-	-	-	-	0.0139	-	-	-	-	-	-
35	Lead(mg/l)	0.003180	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00211	-	-	-	-	-	-
38	Zinc(mg/l)	0.01124	-	-	-	-	-	0.06788	-	-	-	-	-	-
39	IronTotal(mg/l)	0.31379	-	-	-	-	-	1.612	-	-	-	-	-	-
40	Managanese (mg/l)	0.05915	-	-	-	-	-	0.39071	-	-	-	-	-	-
41	Mercury (mg/l)	0.001280	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

COTTOMBI LAKE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	29	30	29	28	29	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	6.8	5.4	3.5	6.1	5.2	4.9	5.0	4.5	6.8	4.5	5.9	5.3	-
3	pH	6.81	6.64	6.64	6.82	6.66	6.60	6.39	6.11	7.40	6.29	6.98	6.67	6-8.5
4	Conductivity(µs/cm)	59.24	81.20	76.10	66.76	75.30	65.40	18.16	85.2	122.8	140.8	76.86	76.34	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	3.6	BDL	BDL	1.7	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	BDL	0.2	BDL	0.15	0.3	BDL	0.1	BDL	0.14	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.005	BDL	BDL	0.005	BDL	0.007	BDL	BDL	0.005	0.006	0.012	BDL	-
8	Total Coliform(MPN/100ml)	1600	1700	1400	200	1700	1300	1300	1100	1700	790	2200	700	-
9	Fecal Coliform(MPN/100ml)	540	1100	940	140	1200	790	330	490	700	490	700	490	-
10	Fecal Streptococci (MPN/100ml)	350	170	79	78	110	79	130	210	240	220	260	140	-
11	Turbidity(NTU)	4.79	3.90	4.18	7.95	6.74	3.30	7.95	5.5	11.61	17.43	9.62	5.75	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	28.0	26.0	20.0	22.0	14.0	60.0	26.0	36.0	36.0	24.0	30.0	22.0	-
14	Chlorides(mg/l)	6.50	11.50	9.50	9.00	8.0	8.00	6.0	20.5	12.0	10.0	8.0	11.0	-
15	COD(mg/l)	8.0	20.0	20.0	6.0	6.0	10.0	6.0	10.0	10.0	8.0	10.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.68	1.68	0.56	1.68	1.68	0.56	1.68	3.92	1.68	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.05	BDL	BDL	0.10	0.14	0.08	BDL	0.077	0.06	0.09	-
18	Total Hardness(mg/l)	26.0	102.0	24.0	22.0	28.0	24.0	30.0	32.0	34.0	24.0	20.0	26.0	-
19	Calcium(mg/l)	6.41	34.47	4.8	4.8	4.81	5.6	8.0	8.0	5.6	5.6	4.8	8.82	-
20	Magnesium(mg/l)	2.43	3.89	2.9	2.43	3.89	2.4	2.4	2.9	4.9	10.0	BDL	BDL	-
21	Sulphate(mg/l)	4.23	5.1	8.6	8.2	4.43	2.6	4.62	2.3	11.03	1.40	2.9	4.12	-
22	Sodium(mg/l)	28.6	34	1.7	6.1	35.6	8.6	10.3	30.0	9.5	71.4	3.0	3.2	-
23	Total Dissolved Solids(mg/l)	37.0	51.0	50.0	41.0	48.0	39.0	11.0	55.0	73.0	84.0	48.0	49.0	-
24	Total Fixed Solids(mg/l)	22.0	30.0	16.0	26.0	29.0	16.0	8.0	33.0	51.0	34.0	29.0	30.0	-
25	Total Suspended Solids(mg/l)	5.0	8.0	8.0	16.0	6.0	6.0	30.0	17.0	38.0	24.0	19.0	8.0	-
26	Phosphate(mg/l)	0.02	0.02	0.03	BDL	BDL	0.04	0.02	BDL	BDL	0.02	BDL	BDL	-
27	Boron(mg/l)	1.4	1.9	BDL	0.9	BDL	--	BDL	0.7	0.25	0.7	0.3	0.7	Max 2mg/l
28	Potassium(mg/l)	4.1	15.1	0.1	4.2	15.1	3.3	1.6	1.6	1.2	27.4	0.3	1.5	-
29	Flouride(mg/l)	BDL	0.2	BDL	0.4	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
30	SAR	13.60	7.76	0.87	3.21	17.42	4.29	4.5	12.84	4.2	17.57	1.64	1.45	Max 26.0
31	Percent Sodium (%)	78.71	56.14	18.9	58.76	85.86	59.68	53.25	74.33	50.54	74.96	32.97	32.44	-
32	Arsenic(mg/l)	0.000240	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000040	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.003470	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.008480	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.81548	-	-	-	-	-	1.597	-	-	-	-	-	-
40	Managanese (mg/l)	0.07024	-	-	-	-	-	0.08341	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

PANCHAMI LAKE, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31		28	28	29	29	29	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	6.8		7.2	6.6	7.7	7.2	7.8	8.0	6.5	4.6	4.6	6.0	-
3	pH	6.47		7.13	5.79	5.92	5.87	5.52	6.61	5.7	6.31	6.81	6.81	6-8.5
4	Conductivity(µs/cm)	54.4		50.8	49.83	38.20	32.3	33.42	29.39	254.1	72.10	49.97	70.64	Max 2250 µs/cm
5	BOD(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.10		0.1	BDL	0.3	BDL	0.1	BDL	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL		0.007	BDL	0.006	BDL	BDL	BDL	BDL	0.015	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540		1400	940	1100	110	140	120	490	230	700	2400	-
9	Fecal Coliform(MPN/100ml)	430		490	330	490	79	110	93	230	78	330	790	-
10	Fecal Streptococci (MPN/100ml)	220		240	200	130	49	79	11	170	14	79	150	-
11	Turbidity(NTU)	2.91		9.18	7	2.24	1.33	1.51	1.22	5.5	7.00	4.34	3.74	-
12	Phenolphthalein Alkalinity(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	20.0		16	6	20.0	10.0	16.0	6.0	22.0	34.0	14.0	20.0	-
14	Chlorides(mg/l)	9.0		13	5.5	6.50	5.0	6.0	5.50	59.5	10.00	6.5	12.5	-
15	COD(mg/l)	8.0		6	8	6.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.20		0.56	2.24	1.12	1.1	1.12	1.12	1.68	0.56	1.1	1.12	-
17	Ammonia (mg/l)	BDL		BDL	0.06	BDL	BDL	BDL	BDL	0.08	BDL	0.09	0.07	-
18	Total Hardness(mg/l)	18.0		32	18	20.0	10.0	16.0	26.0	46.0	48.0	14.0	26.0	-
19	Calcium(mg/l)	BDL		4.81	2.4	6.41	BDL	3.21	4.0	8.0	6.41	4.008	6.4	-
20	Magnesium(mg/l)	3.4		4.86	2.9	BDL	1.9	BDL	3.9	6.3	7.78	1.0	2.4	-
21	Sulphate(mg/l)	4.7		5.24	10.44	BDL	6.4	BDL	80.1	20.6	9.30	3.7	4.9	-
22	Sodium(mg/l)	7.7		12.4	36.5	34.2	9.9	9.0	28.0	36.4	15.4	3.2	5.4	-
23	Total Dissolved Solids(mg/l)	34.0		31	29	22.0	20.0	21.0	18.0	163.0	43.0	33.0	43.0	-
24	Total Fixed Solids(mg/l)	11.0		18	19	13.0	6.0	11.0	7.0	98.0	25.0	11.0	27.0	-
25	Total Suspended Solids(mg/l)	5.0		19	30	9.0	2.0	11.0	4.0	9.0	10.0	8.0	7.0	-
26	Phosphate(mg/l)	BDL		0.02	BDL	BDL	0.04	0.02	BDL	BDL	0.04	BDL	BDL	-
27	Boron(mg/l)	0.3		1.9	0.8	0.5	--	1.4	0.7	0.5	1.5	BDL	0.9	Max 2mg/l
28	Potassium(mg/l)	0.8		10.7	21.3	22.4	0.4	0.4	12.0	7.5	1.3	0.3	0.6	-
29	Flouride(mg/l)	0.3		0.3	BDL	0.2	BDL	0.2	0.2	0.2	0.2	0.2	BDL	-
30	SAR	4.9		5.64	23.5	17.80	8.52	5.61	14.08	13.6	5.78	2.0	2.57	Max 26.0
31	Percent Sodium (%)	62.96		70.49	92.28	88.47	79.23	64.51	83.49	75.4	54.06	41.3	40.54	-
32	Arsenic(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00003		-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
37	Nickle(mg/l)	BDL		-	-	-	-	0.00284	-	-	-	-	-	-
38	Zinc(mg/l)	0.00135		-	-	-	-	0.23718	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL		-	-	-	-	0.27391	-	-	-	-	-	-
40	Managanese (mg/l)	1.0671		-	-	-	-	0.05433	-	-	-	-	-	-
41	Mercury (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-

BETAL TEMPLE LAKE, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	29	30	28	28	28	29	28	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	7.5	7.4	6.9	6.2	6.5	5.5	8.0	7.3	7.9	6.2	7.9	7.5	-
3	pH	7.08	7.42	6.98	5.86	6.00	5.54	6.41	6.84	6.2	6.4	6.08	6.87	6-8.5
4	Conductivity(µs/cm)	72.6	136.10	52.78	51.39	56.47	103.1	53.99	49.89	63.7	56.83	56.86	59.30	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.20	BDL	0.2	0.1	0.1	0.22	0.2	0.02	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.0	0.0	BDL	BDL	BDL	BDL	BDL	BDL	0.007	BDL	BDL	-
8	Total Coliform(MPN/100ml)	350	1300.0	700.0	940.0	1400.0	1300	1700	1700	1300	460	1300	490	-
9	Fecal Coliform(MPN/100ml)	240	490.0	330.0	460.0	490.0	490	790	700	490	310	790	220	-
10	Fecal Streptococci (MPN/100ml)	280	170.0	47.0	110.0	94.0	130	46	170	140	110	220	120	-
11	Turbidity(NTU)	4.25	9.84	9.22	3.82	4.47	1.43	3.78	1.26	4.1	3.83	6.18	6.87	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	16.0	36.0	12.0	12.0	30.0	12.0	18.0	6.0	28.0	26.0	14.0	22.0	-
14	Chlorides(mg/l)	12.0	36.00	7.50	4.50	8.00	22.49	7.00	6.50	11.0	7.50	6.5	11.0	-
15	COD(mg/l)	8.0	6.0	6.0	6.0	6.0	4.0	6.0	10.0	4.0	6.0	6.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.10	0.56	1.12	3.36	1.12	0.56	0.56	1.68	0.56	1.12	1.1	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	0.08	0.07	-
18	Total Hardness(mg/l)	20.0	122.0	34.0	16.0	14.0	20.0	20.0	12.0	34.0	46.0	20.0	22.0	-
19	Calcium(mg/l)	5.6	3.21	8.82	2.40	3.21	4.0	4.81	4.0	7.2	5.61	5.6	5.6	-
20	Magnesium(mg/l)	BDL	27.70	2.92	2.40	BDL	2.40	BDL	0.5	3.9	7.78	1.5	BDL	-
21	Sulphate(mg/l)	4.8	18.43	7.45	4.16	3.04	4.05	2.72	154.4	4.0	2.93	3.2	2.9	-
22	Sodium(mg/l)	8.9	15.4	3.8	37.2	27.1	88.2	15.0	28.0	28.0	8.3	3.8	4.3	-
23	Total Dissolved Solids(mg/l)	46.0	77.0	31.0	30.0	36.0	60.0	35.0	30.0	41.0	32.0	37.0	34.0	-
24	Total Fixed Solids(mg/l)	15.0	46.0	18.0	20.0	19.0	41.0	21.0	12.0	25.0	19.0	12.0	23.0	-
25	Total Suspended Solids(mg/l)	10.0	15.0	21.0	0.0	8.0	5.0	9.0	5.0	10.0	6.0	11.0	13.0	-
26	Phosphate(mg/l)	BDL	0.050	0.020	0.020	0.06	BDL	BDL	BDL	BDL	0.05	0.02	BDL	-
27	Boron(mg/l)	0.4	1.600	1.500	0.880	0.700	--	0.8	0.6	0.4	1.3	0.2	1.0	Max 2mg/l
28	Potassium(mg/l)	1.3	3.0	1.9	16.8	9.6	13.8	0.3	22.0	5.1	1.2	0.3	0.8	-
29	Flouride(mg/l)	0.2	0.20	BDL	BDL	0.3	BDL	BDL	0.3	BDL	BDL	0.2	BDL	-
30	SAR	4.7	3.92	1.57	23.50	17.73	49.2	8.16	18.68	11.9	3.21	2.0	2.22	Max 26.0
31	Percent Sodium (%)	58.96	37.31	32.68	91.52	88.71	94.06	69.44	91.75	74.9	41.50	36.9	40.48	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00058	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00274	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00294	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00222	-	-	-	-	-	-
38	Zinc(mg/l)	0.00217	-	-	-	-	-	0.12561	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.3478	-	-	-	-	-	-
40	Managanese (mg/l)	0.29906	-	-	-	-	-	0.34785	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

KARMALE LAKE, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	28		28	29	28	29	28	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	8.4		7.1	6.8	7.6	6.2	7.6	8.3	6.4	6.6	5.1	6.4	-
3	pH	6.38		6.72	6.09	6.03	6.10	6.47	6.75	6.0	6.30	6.08	6.80	6-8.5
4	Conductivity(µs/cm)	91.3		144.2	63.4	49.53	44.0	63.23	46.12	460.3	52.0	56.82	52.99	Max 2250 µs/cm
5	BOD(mg/l)	BDL		BDL	2.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.20		0.2	0.21	1.3	BDL	0.3	0.02	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL		0.01	BDL	0.006	BDL	BDL	BDL	BDL	0.012	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920		270	170	270	540	790	1400	700	630	490	1300	-
9	Fecal Coliform(MPN/100ml)	350		170	130	220	170	330	700	490	330	220	490	-
10	Fecal Streptococci (MPN/100ml)	170		110	70	130	110	26	46	39	32	40	110	-
11	Turbidity(NTU)	5.47		3.34	2.69	2.41	2.28	2.32	1.85	5.6	4.62	5.89	5.94	-
12	Phenolphthalein Alkalinity(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	38.0		14	10	24.0	10.0	22.0	6.0	24.0	22.0	16.0	22.0	-
14	Chlorides(mg/l)	18.0		10.5	11	7.00	6.0	8.50	7.00	114.0	7.00	7.5	10.0	-
15	COD(mg/l)	6.0		6	4	4.0	8.0	8.0	6.0	8.0	6.0	8.0	10.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.60		0.56	0.56	0.56	0.6	0.56	1.12	1.12	0.56	1.1	1.12	-
17	Ammonia (mg/l)	BDL		0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.08	0.06	-
18	Total Hardness(mg/l)	18.0		48	14	20.0	12.0	30.0	20.0	58.0	46.0	26.0	40.0	-
19	Calcium(mg/l)	4.8		4.81	2.4	4.01	160.0	5.51	4.0	9.6	8.02	2.4	8.8	-
20	Magnesium(mg/l)	BDL		8.75	BDL	2.43	1.9	3.89	2.4	8.3	6.3	4.9	4.3	-
21	Sulphate(mg/l)	3.6		7.42	2.6	BDL	6.9	BDL	174.5	35	6.34	2.2	5.4	-
22	Sodium(mg/l)	24.2		18.6	44.8	25.6	14.3	13.0	34.0	54.9	8.6	3.4	3.0	-
23	Total Dissolved Solids(mg/l)	59.0		77	36	27.0	29.0	41.0	28.0	295.0	30.0	35.0	32.0	-
24	Total Fixed Solids(mg/l)	19.0		46	25	16.0	10.0	25.0	11.0	177.0	18.0	11.0	19.0	-
25	Total Suspended Solids(mg/l)	11.0		7	6	6.0	5.0	7.0	5.0	12.0	7.0	9.0	11.0	-
26	Phosphate(mg/l)	BDL		BDL	BDL	0.06	0.03	BDL	0.03	BDL	0.04	BDL	BDL	-
27	Boron(mg/l)	0.6		0.9	0.91	0.8	--	0.9	0.2	0.5	1.1	BDL	1.3	Max 2mg/l
28	Potassium(mg/l)	14.2		12.7	18.9	12.4	2.5	1.1	26.0	8.2	1.1	0.2	1.2	-
29	Flouride(mg/l)	BDL		BDL	BDL	BDL	0.3	BDL	0.3	BDL	BDL	0.5	BDL	-
30	SAR	13.6		7.14	29.8	14.27	10.81	5.96	19.0	18.4	3.21	1.8	1.17	Max 26.0
31	Percent Sodium (%)	85.91		69.77	93.38	85.51	82.76	59.75	90.31	77.9	40.35	33.2	24.28	-
32	Arsenic(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000052		-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00067		-	-	-	-	0.00677	-	-	-	-	-	-
35	Lead(mg/l)	0.00103		-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL		-	-	-	-	0.00467	-	-	-	-	-	-
38	Zinc(mg/l)	0.02179		-	-	-	-	0.30419	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL		-	-	-	-	0.27071	-	-	-	-	-	-
40	Managanese (mg/l)	0.34954		-	-	-	-	0.09425	-	-	-	-	-	-
41	Mercury (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-

DHULPE LAKE, SHIRODA, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31		28	27	28	29	30	29	30	31	30	30	-
2	Dissolved Oxygen(mg/l)	8.4		4.4	6.4	6.2	8.0	6.3	5.5	4.2	5.7	7.8	3.3	-
3	pH	7.33		6.41	6.37	6.82	6.58	6.7	7.08	6.24	6.91	6.75	6.42	6-8.5
4	Conductivity(µs/cm)	182.8		136.2	81.84	126.5	125.70	138.4	136.8	227.5	90.21	209.6	76.58	Max 2250 µs/cm
5	BOD(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.08	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2		0.1	BDL	BDL	BDL	0.1	0.1	0.2	BDL	0.293	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL		BDL	BDL	BDL	BDL	BDL	0.01	BDL	BDL	0.013	BDL	-
8	Total Coliform(MPN/100ml)	350		2400	270	940	2200	790	790	230	210	230	330	-
9	Fecal Coliform(MPN/100ml)	280		790	170	490	1700	330	230	130	110	130	230	-
10	Fecal Streptococci (MPN/100ml)	210		240	130	170	220	220	170	94	47	46	140	-
11	Turbidity(NTU)	27.7		1.71	2.97	3.73	2.79	5.8	19.2	6.85	8.66	14.51	8.39	-
12	Phenolphthalein Alkalinity(mg/l)	BDL		BDL	BDL	BDL	BDL	BDL	4.0	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	16.0		56	30	100.0	50	20.0	80.0	40.0	32.0	78.0	28.0	-
14	Chlorides(mg/l)	15.5		13	7.5	4.85	9.5	8.0	8.50	34.99	6.5	12.5	18.49	-
15	COD(mg/l)	8.0		6	6	4.0	4.0	8.0	10.0	8.0	10.0	8.0	16.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.2		0.56	0.56	1.12	0.56	0.56	2.8	0.56	1.68	1.12	1.12	-
17	Ammonia (mg/l)	0.20		0.05	0.05	BDL	BDL	BDL	0.10	BDL	0.1	1.8	0.08	-
18	Total Hardness(mg/l)	30.0		74	46	56.0	66.0	66.0	94.0	74.0	42.0	104.0	22.0	-
19	Calcium(mg/l)	6.4		22.44	9.62	6.4	12.8	11.2	12.02	5.61	15.2	9.62	8.02	-
20	Magnesium(mg/l)	3.4		4.4	5.35	9.7	8.2	9.2	15.55	14.58	1.0	19.40	BDL	-
21	Sulphate(mg/l)	2.4		BDL	BDL	7.51	2.2	BDL	9.87	6.38	0.5	BDL	2.38	-
22	Sodium(mg/l)	8.7		7.2	75.8	87.3	13.1	38.0	15.2	28.3	26.8	21.7	16.8	-
23	Total Dissolved Solids(mg/l)	114.0		78	46	75.0	78.0	89.0	87.0	141.0	54.0	117.0	48.0	-
24	Total Fixed Solids(mg/l)	38.0		46	27	53.0	53.0	53.0	52.0	85.0	22.0	70.0	28.0	-
25	Total Suspended Solids(mg/l)	37.0		5	6	11.0	7.0	11.0	20.0	7.0	22.0	10.0	19.0	-
26	Phosphate(mg/l)	BDL		0.02	BDL	BDL	BDL	BDL	0.05	0.03	BDL	BDL	0.02	-
27	Boron(mg/l)	0.6		1.7	0.9	0.44	--	0.5	BDL	0.7	0.5	0.7	0.9	Max 2mg/l
28	Potassium(mg/l)	1.4		2.9	42.8	35.2	6.8	0.2	5.9	2.9	12.0	4.0	1.3	-
29	Flouride(mg/l)	BDL		0.2	0.7	BDL	BDL	BDL	BDL	BDL	0.5	0.33	BDL	-
30	SAR	3.9		1.97	27.71	30.7	4.04	11.88	4.09	8.91	9.4	5.7	8.15	Max 26.0
31	Percent Sodium (%)	50.8		27.36	88.79	88.36	48.66	65.11	43.35	60.71	70.5	46.97	68.04	-
32	Arsenic(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.001459		-	-	-	-	0.00314	-	-	-	-	-	-
38	Zinc(mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.183645		-	-	-	-	0.29572	-	-	-	-	-	-
40	Managanese (mg/l)	0.096179		-	-	-	-	0.07069	-	-	-	-	-	-
41	Mercurv (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL		-	-	-	-	BDL	-	-	-	-	-	-

UDDEN LAKE, SHIRODA, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	31	29	28	29	29	30	30	30	31	31	30	-
2	Dissolved Oxygen(mg/l)	2.0	2.9	6.9	7.4	6.6	8.1	7.0	5.8	7.8	5.6	5.8	3.3	-
3	pH	6.48	6.66	6.64	6.15	6.67	6.45	6.5	6.17	6.93	6.29	6.26	6.43	6-8.5
4	Conductivity(µs/cm)	106.4	107.90	59.70	53.88	63.28	61.40	66.8	74.75	60.64	60.43	63.37	95.64	Max 2250 µs/cm
5	BOD(mg/l)	4.0	3.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.44	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.4	BDL	0.1	0.1	BDL	0.1	0.1	0.1	0.2	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.0	BDL	BDL	BDL	BDL	BDL	BDL	0.007	BDL	0.005	BDL	-
8	Total Coliform(MPN/100ml)	920	2800	2200	2200	2400	2800	2400	1700	2200	1300	1400	790	-
9	Fecal Coliform(MPN/100ml)	840	1300	940	790	790	1200	490	790	790	490	700	330	-
10	Fecal Streptococci (MPN/100ml)	350	170	220	240	280	350	240	220	240	140	210	130	-
11	Turbidity(NTU)	2.94	6.58	4.12	5.37	4.16	4.84	2.3	4.08	16.27	8.73	11.89	7.50	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	52.0	20.0	28.0	16.0	40.0	24.0	14.0	34.0	24.0	24.0	34.0	28.0	-
14	Chlorides(mg/l)	13.5	18.5	12.0	6.0	6.85	9.5	7.5	10.0	21.49	6.5	7.5	9.50	-
15	COD(mg/l)	8.0	16.0	4.0	8.0	4.0	6.0	6.0	12.0	6.0	10.0	6.0	16.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.1	1.12	1.68	0.56	0.56	1.12	1.12	2.2	1.12	2.24	0.56	2.80	-
17	Ammonia (mg/l)	0.16	0.07	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	-
18	Total Hardness(mg/l)	32.0	110.0	178.0	18.0	20.0	26.0	22.0	56.0	204.0	22.0	34.0	34.0	-
19	Calcium(mg/l)	2.4	20.0	43.3	5.6	2.4	5.6	7.2	5.61	7.21	4.0	5.61	8.02	-
20	Magnesium(mg/l)	6.3	14.58	17.00	BDL	3.4	2.9	1.0	10.21	45.20	2.9	4.90	3.40	-
21	Sulphate(mg/l)	4.2	2.3	2.6	2.6	3.12	2.7	2.2	2.63	5.03	3.5	2.2	BDL	-
22	Sodium(mg/l)	4.0	18.3	10.2	88.7	81.8	10.3	26.0	6.8	18.5	24.4	10.6	15.3	-
23	Total Dissolved Solids(mg/l)	69.0	69.0	36.0	37.0	36.0	35.0	43.0	47.0	21.0	36.0	35.0	61.0	-
24	Total Fixed Solids(mg/l)	23.0	41.0	21.0	23.0	24.0	23.0	26.0	28.0	13.0	14.0	21.0	35.0	-
25	Total Suspended Solids(mg/l)	7.0	9.0	9.0	10.0	12.0	9.0	4.0	7.0	26.0	14.0	9.0	10.0	-
26	Phosphate(mg/l)	BDL	BDL	0.03	BDL	BDL	BDL	0.02	BDL	0.08	0.02	BDL	0.04	-
27	Boron(mg/l)	0.5	0.82	2.00	1.30	0.37	--	0.6	BDL	0.6	0.4	0.8	0.4	Max 2mg/l
28	Potassium(mg/l)	0.5	9.1	7.8	39.4	35.4	5.3	0.4	3.4	1.5	9.0	3.2	0.7	-
29	Flouride(mg/l)	BDL	0.80	0.20	0.70	BDL	BDL	0.4	BDL	0.3	0.5	0.90	0.2	-
30	SAR	1.9	4.40	1.86	48.90	48.0	5.0	12.85	2.42	1.50	11.5	4.62	6.40	Max 26.0
31	Percent Sodium (%)	34.1	44.2	23.0	95.1	95.28	64.79	76.30	39.20	28.35	81.40	56.77	58.36	-
32	Arsenic(mg/l)	0.001067	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.142553	-	-	-	-	-	0.17884	-	-	-	-	-	-
40	Managanese (mg/l)	0.671919	-	-	-	-	-	0.56686	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

TARVALEM LAKE, SHIRODA, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30			27	28	28	29	29	29	30	30	30	-
2	Dissolved Oxygen(mg/l)	6.5			6.8	7.1	7.7	6.5	4.1	5.9	6.8	4.1	7	-
3	pH	7.03			6.14	6.14	6.51	4.9	5.16	6.34	6.84	6.07	7.06	6-8.5
4	Conductivity(µs/cm)	198.8			42.33	49.28	125.20	28.2	29.93	115.3	66.95	36.78	116.6	Max 2250 µs/cm
5	BOD(mg/l)	BDL			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3			0.1	BDL	BDL	BDL	0.1	4.0	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL			BDL	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920			700	210	1300	220	940	330	230	400	200	-
9	Fecal Coliform(MPN/100ml)	430			330	170	790	170	460	230	130	340	140	-
10	Fecal Streptococci (MPN/100ml)	350			27	23	140	12	200	140	79	130	26	-
11	Turbidity(NTU)	11.02			4.22	2.66	2.35	1.1	4.18	4.48	5.21	2.70	4.42	-
12	Phenolphthalein Alkalinity(mg/l)	BDL			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	78.0			12	30.0	52.0	16.0	18.0	20.0	18.0	16.0	30.0	-
14	Chlorides(mg/l)	36.0			5.5	6.35	9.0	7.5	7.0	18.49	6.5	9.0	15.50	-
15	COD(mg/l)	6.0			4	10.0	4.0	8.0	10.0	8.0	8.0	8.0	8.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.1			0.56	0.56	0.56	0.56	1.12	0.56	2.24	0.56	2.24	-
17	Ammonia (mg/l)	0.13			BDL	BDL	BDL	BDL	BDL	0.09	0.1	BDL	0.17	-
18	Total Hardness(mg/l)	28.0			20	16.0	64.0	12.0	16.0	40.0	30.0	26.0	34.0	-
19	Calcium(mg/l)	3.2			6.41	2.4	12.0	4.0	4.81	8.02	2.4	8.02	6.41	-
20	Magnesium(mg/l)	4.9			BDL	2.4	8.2	0.5	BDL	4.86	5.8	BDL	4.37	-
21	Sulphate(mg/l)	8.2			2.33	BDL	BDL	BDL	2.83	3.83	3.4	BDL	3.77	-
22	Sodium(mg/l)	13.3			82.4	72.9	12.9	26.0	5.7	16.4	22.6	9.4	17.6	-
23	Total Dissolved Solids(mg/l)	130.0			25	29.0	76.0	18.0	19.0	77.0	40.0	20.0	77.0	-
24	Total Fixed Solids(mg/l)	43.0			12	20.0	48.0	11.0	11.0	45.0	16.0	12.0	45.0	-
25	Total Suspended Solids(mg/l)	26.0			9	7.0	6.0	2.0	6.0	11.0	16.0	6.0	6.0	-
26	Phosphate(mg/l)	BDL			BDL	BDL	BDL	0.02	BDL	0.03	BDL	BDL	0.02	-
27	Boron(mg/l)	0.6			1.9	0.40	--	0.7	BDL	0.6	0.60	0.7	0.6	Max 2mg/l
28	Potassium(mg/l)	1.4			36.5	35.8	6.7	0.2	3.1	1.4	18.0	3.3	0.9	-
29	Flouride(mg/l)	0.2			0.7	BDL	BDL	BDL	BDL	0.2	0.5	0.45	0.4	-
30	SAR	6.6			42.9	46.9	4.06	17.34	3.35	6.46	11.1	4.32	7.58	Max 26.0
31	Percent Sodium (%)	64.5			94.16	95.74	49.25	85.36	60.36	58.02	83.1	57.26	63.17	-
32	Arsenic(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.139557			-	-	-	0.1371	-	-	-	-	-	-
40	Managanese (mg/l)	0.010463			-	-	-	0.01194	-	-	-	-	-	-
41	Mercury (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL			-	-	-	BDL	-	-	-	-	-	-

TARVALE (MOIGAL) LAKE, SHIRODA, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	31	28	27	28	28	29	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	8.5	6.9	5.6	5.0	6.4	6.2	7.7	1.5	7.7	5.1	4.1	2.7	-
3	pH	7.06	6.41	6.86	6.02	5.24	6.90	5.0	5.58	5.55	5.71	5.68	5.57	6-8.5
4	Conductivity(µs/cm)	201.4	86.03	80.6	25.41	29.48	28.51	28.6	28.34	108.1	46.08	37.20	43.02	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.2	BDL	BDL	BDL	6.84	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3	BDL	0.1	BDL	BDL	BDL	BDL	0.1	0.3	0.02	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	0.009	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	1400	940	260	460	1100	220	1300	1700	1100	200	170	-
9	Fecal Coliform(MPN/100ml)	430	700	460	170	330	700	130	330	700	490	140	130	-
10	Fecal Streptococci (MPN/100ml)	170	210	170	33	11	170	11	39	47	170	70	46	-
11	Turbidity(NTU)	2.67	5.12	2.2	BDL	1.26	1.27	5.7	3.12	2.30	5.89	2.88	3.83	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	36.0	10.0	36	12.0	14.0	12.0	20.0	22.0	12.0	20.0	62.0	24.0	-
14	Chlorides(mg/l)	43.5	21.5	18.49	7.0	3.85	8.5	8.0	9.50	24.99	699.8	7.0	6.50	-
15	COD(mg/l)	8.0	8.0	6	4.0	8.0	8.0	--	14.0	4.0	10.0	6	18.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.7	0.56	1.12	0.56	1.12	0.56	1.12	2.80	0.56	2.2	1.7	2.24	-
17	Ammonia (mg/l)	0.10	0.08	0.06	BDL	BDL	BDL	0.05	BDL	BDL	BDL	0.886	0.16	-
18	Total Hardness(mg/l)	22.0	16.0	16	28.0	10.0	26.0	36.0	60.0	24.0	12.0	19.0	22.0	-
19	Calcium(mg/l)	3.2	10.0	2.4	5.6	1.6	4.8	5.6	2.40	3.21	1.6	2.4	5.61	-
20	Magnesium(mg/l)	3.4	1.45	2.43	3.40	1.5	3.40	5.4	13.12	3.89	1.9	13.1	BDL	-
21	Sulphate(mg/l)	7.6	2.6	2.69	BDL	28.35	BDL	BDL	5.16	BDL	4.5	3.6	2.12	-
22	Sodium(mg/l)	13.9	66.3	8.8	90.3	75.1	8.8	29.0	5.3	14.8	20.1	0.6	15.8	-
23	Total Dissolved Solids(mg/l)	131.0	55.0	49	15.0	17.0	17.0	18.0	18.0	62.0	27.0	22.0	23.0	-
24	Total Fixed Solids(mg/l)	43.0	33.0	29	9.0	11.0	10.0	11.0	11.0	35.0	11.0	9.0	13.0	-
25	Total Suspended Solids(mg/l)	5.0	7.0	5	6.0	5.0	5.0	9.0	5.0	8.0	11.0	3.0	14.0	-
26	Phosphate(mg/l)	BDL	BDL	0.13	BDL	BDL	BDL	0.20	BDL	0.02	0.02	BDL	BDL	-
27	Boron(mg/l)	0.6	0.69	0.2	1.70	0.43	--	0.9	BDL	0.4	0.5	BDL	0.6	Max 2mg/l
28	Potassium(mg/l)	1.4	36.3	4.3	37.8	35.5	5.0	0.1	2.8	0.7	9.8	0.5	0.6	-
29	Flouride(mg/l)	BDL	1.00	0.2	0.40	BDL	BDL	0.2	BDL	BDL	0.50	BDL	BDL	-
30	SAR	7.7	40.10	5.66	42.54	60.7	4.35	12.39	1.90	7.86	15.1	0.4	8.13	Max 26.0
31	Percent Sodium (%)	69.9	94.9	73.06	93.4	97.31	62.73	72.67	32.29	68.58	89.4	16.4	68.46	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.28402	-	-	-	-	-	0.13638	-	-	-	-	-	-
40	Managanese (mg/l)	0.121399	-	-	-	-	-	0.01236	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

TALAULIM (TALSAL) LAKE, PONDA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	26	29	29	29	29	30	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	5.3	6.0	6.6	5.4	8.0	6.3	10.1	8.8	5.4	6.8	5.8	7.5	-
3	pH	6.50	6.88	6.24	5.85	6.06	6.09	5.6	5.68	5.75	7.89	6.61	6.27	6-8.5
4	Conductivity(µs/cm)	44.40	77.34	32.65	63.31	38.60	44.7	41.11	71.45	38.0	76.34	43.37	116.4	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1,923	BDL	0.100	0.200	BDL	BDL	0.11	BDL	0.1	BDL	BDL	0.48	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.01	-
8	Total Coliform(MPN/100ml)	540	2200	1100	460	1300	920	230	1100	2200	1300	1400	1700	-
9	Fecal Coliform(MPN/100ml)	350	1400	790	330	790	220	130	790	1300	790	700	1100	-
10	Fecal Streptococci (MPN/100ml)	220	240	130	79	140	49	33	46	170	120	47	79	-
11	Turbidity(NTU)	2.10	4.07	3.15	5.92	2.36	3.53	3.14	8.12	4.53	5.23	4.92	4.35	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	12.0	26.0	16.0	12.0	20.0	16.0	16.0	8.0	38.0	20.0	22.0	18.0	-
14	Chlorides(mg/l)	7.0	15.99	9.50	7.00	5.50	8.5	8.99	11.00	9.00	11.5	8.0	29.5	-
15	COD(mg/l)	12.0	4	6	8	4.0	4.0	10.0	8.0	8.0	8.0	8.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	5.60	1.68	1.68	0.56	0.56	1.12	0.56	1.68	0.56	1.68	1.68	0.56	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	0.15	BDL	0.26	BDL	BDL	0.11	BDL	-
18	Total Hardness(mg/l)	10.0	24.0	18.0	26.0	16.0	30.0	30.0	22.0	16.0	12.0	20.0	38.0	-
19	Calcium(mg/l)	2.4	4.0	2.4	2.4	4.01	5.6	4.0	4.81	3.21	2.4	2.4	4.81	-
20	Magnesium(mg/l)	BDL	3.40	2.92	4.86	BDL	3.9	4.86	2.43	1.94	1.5	3.4	6.32	-
21	Sulphate(mg/l)	2.63	4.79	2.55	3.07	4.24	1.5	4.3	3.7	4.38	1.8	2.2	5.1	-
22	Sodium(mg/l)	18.3	16.8	4.6	5.4	24.2	20.8	7.2	5.6	99.0	25.4	1.0	25.5	-
23	Total Dissolved Solids(mg/l)	30.0	43.0	20.0	41.0	25.0	27.0	23.0	45.0	23.0	46.0	27.0	65.0	-
24	Total Fixed Solids(mg/l)	20.0	25.0	12.0	25.0	15.0	11.0	13.0	26.0	13.0	18.0	16.0	39.0	-
25	Total Suspended Solids(mg/l)	14.0	10.0	8.0	8.0	7.0	6.0	7.0	13.0	7.0	9.0	9.0	9.0	-
26	Phosphate(mg/l)	0.03	BDL	BDL	0.02	0.02	0.05	BDL	0.16	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	2.76	0.762	1.400	0.430	0.6	--	1.3	1.1	1.3	0.435	0.5	1.2	Max 2mg/l
28	Potassium(mg/l)	0.2	8.4	2.7	2.4	13.4	13.4	1.3	1.1	5.0	11.0	0.6	1.5	-
29	Flouride(mg/l)	0.23	BDL	0.20	0.30	0.3	0.2	BDL	BDL	BDL	BDL	BDL	BDL	-
30	SAR	14.1	8.73	2.82	2.83	14.63	9.55	3.42	2.94	5.61	18.30	0.59	10.8	Max 26.0
31	Percent Sodium (%)	84.56	77.27	57.84	25.00	87.30	78.28	48.96	48.06	73.11	90.4	21.62	70.81	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000059	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00147	-	-	-	-	-	-
38	Zinc(mg/l)	0.000451	-	-	-	-	-	0.07374	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.80366	-	-	-	-	-	-
40	Managanese (mg/l)	0.14082	-	-	-	-	-	0.10539	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MACASANA LAKE, MACASANA, CURTORIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	27	28	28	28	29	30	28	29	31	30	-
2	Dissolved Oxygen(mg/l)	5.1	4.3	3	4.7	7.1	1.2	1.8	1.0	3.2	4.9	6.8	5.0	-
3	pH	7.11	7.57	6.53	6.76	7.2	6.19	6.31	6.1	6.61	6.73	6.88	7.01	6-8.5
4	Conductivity(µs/cm)	138.30	151.1	93.13	81.5	104.2	86.98	95.58	92.64	110.7	100.3	107.2	121.40	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	2.7	BDL	BDL	5.4	4.5	5.4	4.2	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.14	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	BDL	0.006	0.005	0.012	BDL	BDL	BDL	0.005	BDL	0.005	0.005	-
8	Total Coliform(MPN/100ml)	540	1300	470	200	790	1700	210	790	430	130	130	1300	-
9	Fecal Coliform(MPN/100ml)	350	790	270	140	490	1300	130	230	210	78	78	490	-
10	Fecal Streptococci (MPN/100ml)	430	70	31	14	17	140	79	110	94	63	26	140	-
11	Turbidity(NTU)	19.20	12.12	4.36	3.15	27.2	4.33	2.7	5.55	5.19	2.73	2.99	6.36	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	42.0	52.0	20.0	38.0	68.0	32.0	38.0	40.0	46.0	50.0	52.0	44.0	-
14	Chlorides(mg/l)	14.50	17	9.5	14	32.5	10.5	8.49	9.5	9.49	14.5	13.5	15.0	-
15	COD(mg/l)	10.0	10.0	12.0	6.0	4.0	18.0	16.0	18.0	16.0	10.0	6.0	12.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.68	2.8	1.12	1.12	0.56	1.12	1.68	0.56	0.56	0.56	1.12	-
17	Ammonia (mg/l)	BDL	0.13	0.11	0.13	0.2	0.07	0.06	BDL	0.187	0.081	0.08	0.09	-
18	Total Hardness(mg/l)	34.0	54.0	26.0	20.0	40.0	32.0	50.0	40.0	46.0	40.0	56.0	44.0	-
19	Calcium(mg/l)	7.20	8.8	4.8	4.0	9.6	6.4	5.61	8.8	10.4	8.8	8.016	9.6	-
20	Magnesium(mg/l)	3.90	7.8	3.4	2.4	3.9	3.8	8.75	4.3	4.86	4.4	8.75	4.8	-
21	Sulphate(mg/l)	13.70	5	18.61	1.7	2.7	6.4	4.08	6.7	3.0	4.75	6.04	8.6	-
22	Sodium(mg/l)	25.40	22.0	25.4	43.1	13.4	11.6	10.2	9.1	13.7	6.4	23.0	5.1	-
23	Total Dissolved Solids(mg/l)	84.0	91.0	56.0	47.0	67.0	53.0	53.0	57.0	62.0	56.0	69.0	72.0	-
24	Total Fixed Solids(mg/l)	52.0	54.0	39.0	28.0	40.0	32.0	31.0	35.0	37.0	33.0	41.0	64.0	-
25	Total Suspended Solids(mg/l)	28.0	14.0	10.0	6.0	39.0	9.0	6.0	12.0	8.0	6.0	6.0	15.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	0.12	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.9	0.226	0.25	0.8	0.4	--	0.88	0.2	0.75	1.33	1.4	1.2	Max 2mg/l
28	Potassium (mg/l)	14.5	5.8	14.5	36.9	1.3	5.9	0.9	1.3	2.6	0.6	5.4	0.9	-
29	Flouride(mg/l)	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	0.06	0.2	0.2	-
30	SAR	10.78	7.6	12.5	24.02	5.16	5.14	3.81	3.56	4.96	2.49	7.94	1.90	Max 26.0
31	Percent Sodium (%)	78.11	62.58	82.93	92.55	52.11	63.18	43.60	44.26	51.65	34.65	62.88	29.41	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.0014	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	3.05029	-	-	-	-	-	0.9295	-	-	-	-	-	-
40	Managanese (mg/l)	0.16351	-	-	-	-	-	0.376	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BANDOLEM LAKE, SANCOALE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	30	30	30	30	28	29	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	3.6	7.3	4.1	5.3	2.8	4.0	4.2	2.9	4.0	5.0	4.3	4.0	-
3	pH	6.88	7.82	6.7	6.59	6.35	6.3	7.57	9.52	6.51	6.75	6.75	7.3	6-8.5
4	Conductivity(µs/cm)	7098.0	20210.0	488.1	443.3	287.80	563.2	1054	884.6	12620.00	15680.0	30010.0	14420.0	Max 2250 µs/cm
5	BOD(mg/l)	2.5	BDL	BDL	BDL	5.12	BDL	BDL	3.2	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.306	0.1	1.3	0.6	0.7	0.4	0.23	0.4	0.4	BDL	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.011	BDL	0.03	0.024	0.018	0.013	0.008	0.013	0.019	0.007	0.006	BDL	-
8	Total Coliform(MPN/100ml)	920	3500	3500	3300	2800	2100	2300	1300	2200	1300	1300	1300	-
9	Fecal Coliform(MPN/100ml)	430	1700	1300	1300	1200	940	780	490	1700	490	790	270	-
10	Fecal Streptococci (MPN/100ml)	350	140	170	220	170	170	220	140	220	220	210	140	-
11	Turbidity(NTU)	6.17	6.74	5.7	5.58	4.06	3.25	2.58	3.03	3.26	2.77	3.99	2.8	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20.0	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	54.0	96.0	28.0	24.0	24.0	26.0	34.0	60.0	52.0	72.0	78.0	76.0	-
14	Chlorides(mg/l)	2249.30	9247.1	129	67.5	54.48	131.0	299.9	47.0	5623.3	9896.3	9497.06	5848.2	-
15	COD(mg/l)	-	-	10	6	16	10.0	8.0	20.0	--			--	-
16	Total Kjeldahl Nitrogen(mg/l)	2.20	1.12	1.68	1.68	1.68	2.2	4.48	1.68	0.56	1.12	1.68	2.24	-
17	Ammonia (mg/l)	0.20	BDL	0.4	0.14	0.09	1.95	0.12	0.27	0.15	0.05	0.11	0.23	-
18	Total Hardness(mg/l)	1500.0	7600.0	82.0	48.0	50.0	80.0	240.0	48.0	2800.0	5200.0	4000.0	1160.0	-
19	Calcium(mg/l)	601.2	1042.08	14.4	8.8	12.83	10.4	32.1	8.8	320.64	400.8	641.28	128.3	-
20	Magnesium(mg/l)	BDL	1215	11.2	6.3	4.37	53.8	38.9	6.3	486.00	1020.6	583.20	204.1	-
21	Sulphate(mg/l)	28.02	1074.8	14.2	14.3	6.81	15.8	24.82	7.7	121.55	316.6	644.60	835.2	-
22	Sodium(mg/l)	285.1	8225.0	965.6	26.0	26.9	648.2	3025.0	257.1	273.0	5810.0	7800.0	1060.0	-
23	Total Dissolved Solids(mg/l)	4725.0	12934.0	312.0	265.0	157.0	338.0	653.0	587.0	8076.0	9251.0	17646.0	9229.0	-
24	Total Fixed Solids(mg/l)	3071.0	7760.0	187.0	180.0	92.0	135.0	459.0	195.0	4845.0	6198.0	10585.0	5537.0	-
25	Total Suspended Solids(mg/l)	29.0	11.0	12.0	12.0	10.0	5.0	8.0	7.0	4.0	6.0	13.0	7.0	-
26	Phosphate(mg/l)	0.04		0.02	0.04	0.02	0.06	0.02	BDL	BDL	0.03	BDL	BDL	-
27	Boron(mg/l)	1.39	1.8	0.5	0.9	1.7	--	0.32	BDL	1.9	0.2	0.9	0.4	Max 2mg/l
28	Potassium(mg/l)	49.3	7100.0	2.6	15.0	11.9	286.0	175.0	37.8	157.4	170.0	575.0	260.0	-
29	Flouride(mg/l)	0.552	1.0	0.2	0.5	BDL	BDL	BDL	0.2	0.5	0.6	0.9	0.2	-
30	SAR	16.4	244.84	269.86	9.46	9.17	114.43	1728.9	93.46	13.59	217.94	315.23	82.23	Max 26.0
31	Percent Sodium (%)	35.74	87.16	97.42	73.08	69.29	93.57	99.81	95.12	34.79	80.80	87.24	79.88	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.371137	-	-	-	-	-	0.34388	-	-	-	-	-	-
40	Managanese (mg/l)	3.82085	-	-	-	-	-	0.23959	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

DURGA LAKE, CHINCHINIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	29	28	28	29	29	30	30	31	30	31	-
2	Dissolved Oxygen(mg/l)	7.0	7.9	5	5.3	6.1	9.3	6.6	4.4	2.7	4.6	4.0	1.6	-
3	pH	7.69	7.5	6.8	6.7	6.84	7.04	6.82	6.44	6.98	6.84	6.87	7.52	6-8.5
4	Conductivity(µs/cm)	873.1	20170	353.5	162.9	1770.0	1064.0	5425.0	184.8	409.2	414.9	1034.00	216.50	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.5	BDL	BDL	4.8	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.2	0.5	0.187	0.1	0.347	0.22	BDL	BDL	BDL	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.008	0.013	0.023	BDL	0.006	BDL	0.007	BDL	0.007	0.005	BDL	-
8	Total Coliform(MPN/100ml)	540	2400	2300	1700	1300	1400	1400	1100	170	460	490	490	-
9	Fecal Coliform(MPN/100ml)	350	1300	780	700	490	700	700	490	130	330	330	230	-
10	Fecal Streptococci (MPN/100ml)	280	130	170	170	140	170	240	220	49	140	120	110	-
11	Turbidity(NTU)	15.03	9.3	13.4	12.6	6.51	5.59	2.72	7.65	20.2	7.89	7.14	4.91	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	92.0	74.0	38.0	20.0	52.0	46.0	46.0	12.0	82.0	74.0	86.0	40.0	-
14	Chlorides(mg/l)	349.89	7997.5	35.5	26.0	249.92	252.4	2099.35	21.99	65.0	85.0	299.9	34.0	-
15	COD(mg/l)	16.0	-	8.0	8.0	12.0	10.0	--	8.0	14.0	6.0	10.0	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.6	1.68	1.12	1.12	1.68	0.56	1.68	1.12	1.12	1.68	1.7	2.2	-
17	Ammonia (mg/l)	BDL	0.17	0.19	BDL	0.06	0.13	BDL	0.11	0.05	BDL	0.067	0.09	-
18	Total Hardness(mg/l)	102.0	3000.0	70.0	42.0	182.0	120.0	780.0	60.0	90.0	82.0	24.0	50.0	-
19	Calcium(mg/l)	13.6	400.8	13.6	8.8	17.64	21.64	168.34	13.63	16.8	14.43	8.8	8.8	-
20	Magnesium(mg/l)	16.5	486	8.8	4.9	33.53	16.04	87.48	6.32	11.7	11.18	0.5	6.8	-
21	Sulphate(mg/l)	7.48	888.5	28.8	11.4	57.84	330.5	627.52	6.22	7.91	4.22	10.1	4.0	-
22	Sodium(mg/l)	72.6	7525.0	15.6	81.7	18.5	358.3	2950.0	21.2	53.4	60.8	159.6	11.8	-
23	Total Dissolved Solids(mg/l)	541.0	13254.0	226.0	98.0	1130.0	595.0	3472.0	122.0	245.0	265.0	620.0	130.0	-
24	Total Fixed Solids(mg/l)	357.0	7952.0	136.0	39.0	678.0	357.0	2083.0	71.0	171.0	159.0	248.0	52.0	-
25	Total Suspended Solids(mg/l)	20.0	13.0	27.0	20.0	8.0	7.0	6.0	11.0	75.0	11.0	12.0	7.0	-
26	Phosphate(mg/l)	0.04	0.02	0.03	0.02	BDL	BDL	BDL	0.05	0.31	5.00	BDL	BDL	-
27	Boron(mg/l)	0.57	1.9	0.6	BDL	0.2	--		0.9	0.28	1.7	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	11.1	6800.0	5.0	8.1	7.4	179.2	1200.0	3.4	4.0	2.5	6.3	6.4	-
29	Flouride(mg/l)	BDL	1.0	0.2	0.5	BDL	1.383	0.2	0.3	BDL	0.2	0.3	BDL	-
30	SAR	18.7	357.36	4.66	31.26	3.66	82.55	260.84	6.71	14.1	16.99	38.4	4.2	Max 26.0
31	Percent Sodium (%)	73.52	94.17	47.7	86.80	33.61	93.45	94.19	55.22	66.82	71.20	82.8	53.8	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.002142	-	-	-	-	-	0.02663	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	1.76141	-	-	-	-	-	0.31694	-	-	-	-	-	-
40	Managanese (mg/l)	0.461623	-	-	-	-	-	0.16717	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SAPU TOLLEM (TOLLEA BANDAR), VELIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	26	27	29	29	29	30	30	31	30	31	-
2	Dissolved Oxygen(mg/l)	2.3	4.3	3	5.1	4.4	4.1	4.5	8.7	5.4	7.5	4.0	1.4	-
3	pH	6.95	6.9	6.7	6.76	6.60	6.84	6.52	6.29	6.81	7.08	6.85	8.08	6-8.5
4	Conductivity(µs/cm)	105.5	100.8	91.6	66.9	67.27	84.6	135.4	289.5	110.8	102.6	95.25	88.64	Max 2250 µs/cm
5	BOD(mg/l)	3.0	BDL	3.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.8	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	0.4	0.141	0.1	0.258	0.14	BDL	BDL	BDL	0.153	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.014	0.006	BDL	0.009	0.01	0.011	0.015	BDL	0.007	BDL	-
8	Total Coliform(MPN/100ml)	350	2800	1100	790	1400	790	1100	790	460	1400	220	1300	-
9	Fecal Coliform(MPN/100ml)	220	1400	780	490	700	330	490	330	230	700	170	790	-
10	Fecal Streptococci (MPN/100ml)	280	220	200	33	79	13	240	140	79	240	110	240	-
11	Turbidity(NTU)	17.26	2.5	16.3	19.7	22.0	14.5	13.01	16.87	35.5	12.04	8.37	6.89	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	28.0	36.0	24.0	12.0	36.0	36.0	36.0	24.0	34.0	42.0	30.0	26.0	-
14	Chlorides(mg/l)	11.50	14.5	16.5	7.0	10.49	10.49	40.99	59.98	11.50	13.50	12.0	9.0	-
15	COD(mg/l)	16.0	10.0	16.0	6.0	6.0	8.0	12.0	6.0	12.0	8.0	10.0	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.2	1.12	0.56	0.56	0.56	1.7	1.12	0.56	0.56	1.12	1.1	2.2	-
17	Ammonia (mg/l)	BDL	0.1	0.07	BDL	0.2	0.06	BDL	BDL	0.08	BDL	BDL	0.09	-
18	Total Hardness(mg/l)	28.0	36.0	32.0	24.0	24.0	42.0	48.0	56.0	38.0	40.0	39.0	50.0	-
19	Calcium(mg/l)	5.6	13.6	8	5.6	5.61	8.02	7.21	10.42	8.8	12.02	6.4	8.0	-
20	Magnesium(mg/l)	3.4	BDL	2.9	2.4	2.43	5.3	7.29	7.29	3.9	2.43	5.6	10.2	-
21	Sulphate(mg/l)	2.21	2.4	6.7	4.6	3.60	9.51	8.14	11.23	11.89	8.46	4.4	4.4	-
22	Sodium(mg/l)	24.1	29.1	40.3	66.2	27.5	45.3	13.9	37.7	9.7	21.3	7.3	6.4	-
23	Total Dissolved Solids(mg/l)	64.0	65.0	59.0	40.0	55.0	47.0	87.0	181.0	65.0	63.0	57.0	53.0	-
24	Total Fixed Solids(mg/l)	42.0	39.0	35.0	16.0	33.0	28.0	52.0	107.0	43.0	37.0	23.0	21.0	-
25	Total Suspended Solids(mg/l)	10.0	4.0	21.0	22.0	25.0	12.0	14.0	18.0	110.0	16.0	12.0	10.0	-
26	Phosphate(mg/l)	0.02	BDL	0.02	BDL	BDL	0.02	BDL	0.06	3.05	0.07	BDL	BDL	-
27	Boron(mg/l)	0.52	0.5	0.4	BDL	0.2	--	--	0.5	0.27	1.4	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	1.0	25.9	7.0	9.5	9.7	22.7	6.6	2.6	1.1	0.2	0.4	0.6	-
29	Flouride(mg/l)	BDL	0.4	BDL	0.1	BDL	0.1	BDL	0.5	BDL	BDL	0.3	BDL	-
30	SAR	11.4	10.95	17.24	33.10	13.72	17.5	5.16	12.67	3.8	7.92	3.0	2.1	Max 26.0
31	Percent Sodium (%)	73.58	79.58	81.2	90.44	82.23	83.57	58.57	69.47	45.95	59.81	39.1	27.8	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.012317	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.009957	-	-	-	-	-	0.01068	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.052	-	-	-	-	-	-
39	IronTotal(mg/l)	0.952041	-	-	-	-	-	0.9518	-	-	-	-	-	-
40	Managanese (mg/l)	0.27412	-	-	-	-	-	0.16684	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

ORLIM LAKE, ORLIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	N O T C O L L E C T E D A S I T W A S D R Y		31	29	28	28	27	30	30	30	30	31	-
2	Dissolved Oxygen(mg/l)			5	6.2	5.4	7.4	5.9	1.8	5.3	3.2	1.0	2.4	-
3	pH			6.75	7.02	6.78	7.42	6.70	6.67	7.16	6.75	6.60	6.83	6-8.5
4	Conductivity(µs/cm)			142.7	101	650.2	366.7	126.3	179.2	219.6	147.3	182.8	190.40	Max 2250 µs/cm
5	BOD(mg/l)			2.3	BDL	BDL	BDL	BDL	4.5	BDL	3.2	4.8	4.8	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)			BDL	BDL	0.4	BDL	0.1	BDL	0.2	0.1	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l			0.005	0.005	0.023	BDL	BDL	BDL	BDL	0.006	BDL	0.005	-
8	Total Coliform(MPN/100ml)			220	210	790	170	330	270	490	1100	220	340	-
9	Fecal Coliform(MPN/100ml)			70	130	490	110	230	170	230	490	170	220	-
10	Fecal Streptococci (MPN/100ml)			47	20	84	79	11	39	47	70	40	49	-
11	Turbidity(NTU)			4.86	3.43	5.66	3.22	5.90	7.03	12.50	15.04	23.7	14.28	-
12	Phenolphthalein Alkalinity(mg/l)			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)			28	28	36.0	82.0	38.0	12.0	44.0	48.0	50.0	66.0	-
14	Chlorides(mg/l)			15.5	24.5	150.0	34.98	16.0	18.49	27.99	18.0	17.50	21.5	-
15	COD(mg/l)			16	6	10.0	10.0	10.0	16.0	6.0	20.0	20.0	16.0	-
16	Total Kjeldahl Nitrogen(mg/l)			3.36	0.56	1.68	1.12	1.12	1.12	0.56	2.2	1.12	1.68	-
17	Ammonia (mg/l)			BDL	BDL	0.22	BDL	BDL	BDL	BDL	0.03	0.55	BDL	-
18	Total Hardness(mg/l)			48	34	94.0	156.0	26.0	32.0	50.0	46.0	48.0	74.0	-
19	Calcium(mg/l)			14.4	8.82	16.0	16.03	9.6	7.21	13.63	11.2	16.0	16.0	-
20	Magnesium(mg/l)			2.9	2.92	13.1	28.188	0.5	3.402	3.89	4.4	1.9	8.2	-
21	Sulphate(mg/l)			15.52	9.33	18.4	8.79	6.4	8.76	3.78	8.5	7.68	3.8	-
22	Sodium(mg/l)			44.9	58.9	109.4	22.5	38.0	8.47	15.8	65.2	7.9	18.4	-
23	Total Dissolved Solids(mg/l)			85	57	377.0	209.0	76.0	100.0	140.0	98.0	110.0	110.0	-
24	Total Fixed Solids(mg/l)			57	34	128.0	125.0	30.0	60.0	83.0	5320.0	75.0	70.0	-
25	Total Suspended Solids(mg/l)			7	6	16.0	4.0	8.0	12.0	11.0	31.0	70.0	29.0	-
26	Phosphate(mg/l)			0.19	0.02	0.04	0.02	0.04	0.05	BDL	BDL	0.13	BDL	-
27	Boron(mg/l)			0.29	0.9	--	--	0.3	0.91	0.6	0.6	0.37	0.9	Max 2mg/l
28	Potassium(mg/l)			19.5	49.6	50.7	10.8	7.0	1.2	2.7	32.1	2.3	3.1	-
29	Flouride(mg/l)			BDL	0.5	0.2	BDL	0.2	0.215	BDL	0.1	BDL	0.3	-
30	SAR			15.2	24.31	28.65	4.79	16.90	8.47	5.34	23.35	2.6	5.29	Max 26.0
31	Percent Sodium (%)			78.78	90.24	84.60	42.96	81.66	66.11	51.36	86.19	36.20	47.05	-
32	Arsenic(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)			-	-	-	-	1.23765	-	-	-	-	-	-
40	Managanese (mg/l)			-	-	-	-	0.01727	-	-	-	-	-	-
41	Mercury (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-

VODLE TOLLEM, BENAULIM															
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use	
1	Temperature°C	31	29	30	28	29	28	28	29	29	29	30	31	-	
2	Dissolved Oxygen(mg/l)	2.6	8.1	0.4	2.2	2.1	1.3	0.6	BDL	2.3	6.0	0.4	BDL	-	
3	pH	6.67	9.28	6.66	7.52	6.62	6.97	6.3	6.27	6.76	6.32	6.37	6.36	6-8.5	
4	Conductivity(µs/cm)	412.6	482.3	197.4	134.4	198.1	280.0	182.1	136.7	184.4	188.8	198.8	259.40	Max 2250 µs/cm	
5	BOD(mg/l)	BDL	BDL	5.28	5.1	5.6	4.2	5.6	4.8	6.12	3.6	5.6	5.2	-	
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3	0.5	BDL	0.1	BDL	BDL	0.1	BDL	0.2	0.1	BDL	BDL	-	
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	0.021	0.017	0.007	0.009	BDL	BDL	0.005	BDL	BDL	BDL	0.007	-	
8	Total Coliform(MPN/100ml)	1600	2600	2700	1400	2200	1300	580	630	790	330	940	790	-	
9	Fecal Coliform(MPN/100ml)	430	1700	1700	790	1100	790	310	330	330	170	460	330	-	
10	Fecal Streptococci (MPN/100ml)	170	230	230	170	130	240	170	22	27	13	32	27	-	
11	Turbidity(NTU)	64.4	59	20.7	9.87	14.14	5.63	10.56	5.9	19.60	7.00	22.4	4.5	-	
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-	
13	Total Alkalinitv(mg/l)	84.0	54.0	42.0	26.0	44.0	94.0	48.0	10.0	58.0	54.0	56.0	60.0	-	
14	Chlorides(mg/l)	61.0	84.0	20.5	13.0	18.0	44.90	19.0	15.99	24.99	27.5	24.0	37.5	-	
15	COD(mg/l)	18.0	10.0	22.0	16.0	20.0	14.0	20.0	16.0	6.0	20.0	20.0	20.0	-	
16	Total Kjeldahl Nitrogen(mg/l)	0.56	2.8	2.8	0.56	1.12	0.56	1.68	0.56	0.56	3.4	1.68	1.12	-	
17	Ammonia (mg/l)	0.17	1.36	BDL	0.05	0.09	0.22	BDL	BDL	BDL	0.05	0.07	BDL	-	
18	Total Hardness(mg/l)	84.0	188.0	68.0	32.0	62.0	68.0	36.0	44.0	58.0	54.0	56.0	64.0	-	
19	Calcium(mg/l)	24.0	28.06	17.6	11.22	20.0	15.23	13.6	12.8	15.23	1362.0	17.6	12.8	-	
20	Magnesium(mg/l)	5.8	28.67	5.8	BDL	2.9	7.29	0.5	2.916	4.86	4.9	2.9	7.8	-	
21	Sulphate(mg/l)	23.0	58.07	21.11	11.95	16.5	4.98	11.1	10.05	3.49	10.8	7.80	16.6	-	
22	Sodium(mg/l)	26.5	52.5	40.7	62.4	35.3	8.9	39.0	6.42	19.1	75.6	5.9	27.8	-	
23	Total Dissolved Solids(mg/l)	248.0	307.0	130.0	81.0	114.0	174.0	109.0	130.0	76.0	112.0	125.0	121.0	156.0	
24	Total Fixed Solids(mg/l)	99.0	185.0	89.0	48.0	39.0	104.0	44.0	45.0	67.0	41.0	83.0	102.0	-	
25	Total Suspended Solids(mg/l)	48.0	69.0	27.0	12.0	30.0	7.0	15.0	10.0	15.0	14.0	68.0	10.0	-	
26	Phosphate(mg/l)	0.13	0.08	0.78	0.21	0.07	0.02	0.22	0.134	BDL	BDL	0.06	0.02	-	
27	Boron(mg/l)	0.4	1.7	0.36	1.0	--	--	0.5	0.77	0.4	0.5	0.33	1.0	Max 2mg/l	
28	Potassium(mg/l)	8.4	19.1	19.9	52.4	11.5	3.4	7.0	1.1	3.8	3.4	1.3	4.3	-	
29	Flouride(mg/l)	0.2	BDL	BDL	0.6	0.3	0.2	0.4	BDL	BDL	0.1	BDL	BDL	-	
30	SAR	6.86	9.86	11.9	25.28	10.42	2.65	14.68	6.42	6.03	24.87	1.8	8.66	Max 26.0	
31	Percent Sodium (%)	53.9	55.79	72.09	90.40	67.09	35.25	76.52	54.86	53.27	85.86	25.94	60.91	-	
32	Arsenic(mg/l)	0.00827	-	-	-	-	-	BDL	-	-	-	-	-	-	
33	Cadmium(mg/l)	0.00146	-	-	-	-	-	BDL	-	-	-	-	-	-	
34	Copper(mg/l)	4.51494	-	-	-	-	-	BDL	-	-	-	-	-	-	
35	Lead(mg/l)	0.03051	-	-	-	-	-	BDL	-	-	-	-	-	-	
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00141	-	-	-	-	-	-	
38	Zinc(mg/l)	0.03402	-	-	-	-	-	BDL	-	-	-	-	-	-	
39	IronTotal(mg/l)	BDL	-	-	-	-	-	4.793	-	-	-	-	-	-	
40	Managanese (mg/l)	8.41184	-	-	-	-	-	0.04813	-	-	-	-	-	-	
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-	

DHAKTE (DIULER) TOLLEM, BENAULIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	N O T C O L L E C T E D A S I T W A S D R Y	N O T C O L L E C T E D A S I T W A S D R Y	30	28	29	28	28	29	29	N O T C O L L E C T E D A S I T W A S D R Y	N O T C O L L E C T E D A S I T W A S D R Y	N O T C O L L E C T E D A S I T W A S D R Y	-
2	Dissolved Oxygen(mg/l)			6	6.5	3.4	6.2	4.1	7.4	6.5				-
3	pH			6.47	6.21	5.86	6.12	5.71	5.28	6.30				6-8.5
4	Conductivity(µs/cm)			109	125.8	168.0	364.0	138.7	129.4	147.4				Max 2250 µs/cm
5	BOD(mg/l)			2.3	BDL	4.3	BDL	BDL	BDL	BDL				-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)			0.53	1.7	0.8	3.2	0.3	2.485	BDL				-
7	Nitrite Nitrogen as NO ₂ -N mg/l			0.019	0.018	0.017	0.01	0.010	0.016	0.006				-
8	Total Coliform(MPN/100ml)			1100	940	1100	330	1100	1300	940				-
9	Fecal Coliform(MPN/100ml)			490	330	490	230	490	490	460				-
10	Fecal Streptococci (MPN/100ml)			130	94	150	130	24	110	130				-
11	Turbidity(NTU)			20	7.84	6.32	2.53	4.29	8.55	9.90				-
12	Phenolphthalein Alkalinity(mg/l)			BDL	BDL	BDL	BDL	BDL	BDL	BDL				-
13	Total Alkalinity(mg/l)			16	22	20.0	48.0	16.0	10.0	26.0				-
14	Chlorides(mg/l)			20.99	18	17.0	26.99	180	17.5	18.49				-
15	COD(mg/l)			14	4	18.0	6.0	12.0	8.0	4.0				-
16	Total Kjeldahl Nitrogen(mg/l)			2.8	0.56	1.12	1.68	1.68	1.68	1.68				-
17	Ammonia (mg/l)			BDL	0.15	0.14	0.09	0.06	BDL	0.08				-
18	Total Hardness(mg/l)			22	22	36.0	40.0	16.0	32.0	34.0				-
19	Calcium(mg/l)			3.2	5.61	7.2	12.02	5.6	8.8	8.02				-
20	Magnesium(mg/l)			3.4	BDL	4.4	2.43	0.5	2.430	3.40				-
21	Sulphate(mg/l)			17.41	9.75	9.2	11.56	10.1	2310.0	7.04				-
22	Sodium(mg/l)			42.1	66.8	33.4	17.8	36.0	5.70	26.7				-
23	Total Dissolved Solids(mg/l)			67	80	95.0	233.0	83.0	72.0	97.0				-
24	Total Fixed Solids(mg/l)			45	48	32.0	139.0	33.0	43.0	58.0				-
25	Total Suspended Solids(mg/l)			34	10	13	3.0	7.0	15	12.0				-
26	Phosphate(mg/l)			0.11	0.17	BDL	BDL	0.04	0.3	BDL				-
27	Boron(mg/l)			0.38	1.1	--	--	0.1	0.98	0.4				Max 2mg/l
28	Potassium(mg/l)			20.1	57.4	15.1	6.7	6.0	0.8	14.7				-
29	Flouride(mg/l)			BDL	BDL	BDL	0.2	0.6	0.362	BDL				-
30	SAR			23.2	34.38	13.88	6.62	20.6	5.7	11.17				Max 26.0
31	Percent Sodium (%)			90.4	94.27	80.71	62.90	87.34	56.01	78.38				-
32	Arsenic(mg/l)			-	-	-	-	BDL	-	-				-
33	Cadmium(mg/l)			-	-	-	-	BDL	-	-				-
34	Copper(mg/l)			-	-	-	-	BDL	-	-				-
35	Lead(mg/l)			-	-	-	-	BDL	-	-				-
36	Chromium(mg/l)			-	-	-	-	BDL	-	-				-
37	Nickel(mg/l)			-	-	-	-	0.00342	-	-				-
38	Zinc(mg/l)			-	-	-	-	BDL	-	-				-
39	IronTotal(mg/l)			-	-	-	-	0.78635	-	-				-
40	Managanese (mg/l)			-	-	-	-	0.0766	-	-				-
41	Mercury (mg/l)			-	-	-	-	BDL	-	-				-
42	Alpha HCH (mg/l)			-	-	-	-	BDL	-	-				-
43	Hexachlorobenzene (mg/l)			-	-	-	-	BDL	-	-				-
44	Beta HCH (mg/l)			-	-	-	-	BDL	-	-				-
45	Gamma HCH (mg/l)			-	-	-	-	BDL	-	-				-
46	Heptachlor (mg/l)			-	-	-	-	BDL	-	-				-
47	Aldrin (mg/l)			-	-	-	-	BDL	-	-				-
48	Trans -Heptachlor endo-epoxide (mg/l)			-	-	-	-	BDL	-	-				-
49	Alpha Endosulfan (mg/l)			-	-	-	-	BDL	-	-				-
50	p,p'-DDE (mg/l)			-	-	-	-	BDL	-	-				-
51	Dieldrin (mg/l)			-	-	-	-	BDL	-	-				-
52	Endrin (mg/l)			-	-	-	-	BDL	-	-				-
53	Beta Endosulfan (mg/l)			-	-	-	-	BDL	-	-				-
54	p,p'-DDD (mg/l)			-	-	-	-	BDL	-	-				-
55	o,p'-DDT (mg/l)			-	-	-	-	BDL	-	-				-
56	p,p'-DDT (mg/l)			-	-	-	-	BDL	-	-				-
57	Methoxychlor (mg/l)			-	-	-	-	BDL	-	-				-
58	Malathion (mg/l)			-	-	-	-	BDL	-	-				-
59	Chlorpyrifos (mg/l)			-	-	-	-	BDL	-	-				-

KAMALA LAKE (KOMOLLAM TOLLEM), BENAULIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	30	31	28	30	28	29	29	30	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	BDL	BDL	2.1	1.5	BDL	0.4	BDL	BDL	1.5	BDL	0.6	BDL	-
3	pH	6.67	6.70	6.50	7.10	6.66	6.8	6.77	7.16	6.71	6.68	6.75	7.6	6-8.5
4	Conductivity(µs/cm)	574.6	545.1	363.6	265.0	391.7	342.4	474.9	295.4	403.50	458.5	681.8	490.3	Max 2250 µs/cm
5	BOD(mg/l)	4.8	5.6	4.7	3.5	4.8	5.6	5.6	3.6	5.0	5.4	4.8	5.6	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	1.0	0.3	BDL	0.2	6.9	3.2	1.7	BDL	BDL	0.2	4.6	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.005	0.033	0.014	BDL	BDL	0.205	BDL	0.243	BDL	0.005	0.009	0.207	-
8	Total Coliform(MPN/100ml)	920	5400	3500	2200	2800	1700	1700	1300	2800	1700	1700	2400	-
9	Fecal Coliform(MPN/100ml)	350	1700	1300	790	1200	700	700	490	2200	700	700	790	-
10	Fecal Streptococci (MPN/100ml)	280	280	350	280	220	130	210	17	240	46	220	210	-
11	Turbidity(NTU)	6.24	2.60	6.41	5.00	5.41	2.88	14.18	3.41	4.43	11.57	20.10	4.1	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	144.0	134.0	64.0	60.0	106.0	94.0	20.0	84.0	122.0	140.0	116.0	122.0	-
14	Chlorides(mg/l)	73.48	449.9	58.5	31.5	39.98	43.5	66.5	25.0	43.0	35.5	102.0	56.5	-
15	COD(mg/l)	16.0	20.0	-	16.0	10.0	20.0	20.0	20.0	18.0	18.0	20	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.80	1.68	1.68	1.68	0.56	2.8	0.56	1.68	1.68	1.12	2.2	2.8	-
17	Ammonia (mg/l)	1.63	2.97	18.00	0.57	0.71	0.62	BDL	BDL	1.2	1.148	2.39	2.99	-
18	Total Hardness(mg/l)	110.0	122.0	1.3	78.0	116.0	114.0	120.0	80.0	110.0	108.0	124.0	126.0	-
19	Calcium(mg/l)	29.65	30.5	28.9	12.0	32.87	28.9	36.9	26.45	31.3	32.9	40.9	30.5	-
20	Magnesium(mg/l)	8.74	11.2	11.7	11.7	8.26	10.2	6.8	3.4	7.8	6.32	5.4	12.2	-
21	Sulphate(mg/l)	4.29	4.2	32.9	22.8	15.23	22.6	11.0	5.6	8.1	9.21	18.6	10.0	-
22	Sodium(mg/l)	41.1	52.9	11.9	4.8	6.8	50.3	41.2	57.1	220.0	43.7	78.7	53.0	-
23	Total Dissolved Solids(mg/l)	367.0	349.0	210.0	170.0	250.0	205.0	304.0	193.0	234.0	256.0	409.0	314.0	-
24	Total Fixed Solids(mg/l)	220.0	209.0	126.0	102.0	150.0	82.0	182.0	64.0	149.0	153.0	163.0	188.0	-
25	Total Suspended Solids(mg/l)	13.0	5.0	10.0	11.0	7.0	6.0	27.0	8.0	9.0	18.0	22.0	10.0	-
26	Phosphate(mg/l)	0.93	1.06	0.54	0.18	BDL	0.18	0.63	0.37	0.54	0.76	0.74	1.03	-
27	Boron(mg/l)	1.7	0.4	1.8	0.5	0.174	--	0.6	BDL	0.9	0.75	0.4	0.7	Max 2mg/l
28	Potassium(mg/l)	10.6	21.1	10.1	1.3	5.1	21.8	0.2	6.25	80.0	9.7	6.6	16.5	-
29	Flouride(mg/l)	0.2	0.2	BDL	0.2	BDL	0.9	BDL	0.40	BDL	BDL	0.3	BDL	-
30	SAR	9.38	11.59	264.00	1.39	1.50	11.38	8.82	14.78	39.14	9.37	16.4	11.48	Max 26.0
31	Percent Sodium (%)	57.38	64.0	35.2	20.5	22.44	64.86	48.66	67.97	82.60	57.65	64.9	61.99	-
32	Arsenic(mg/l)	0.00035	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.0001	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01601	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00122	-	-	-	-	-	-
38	Zinc(mg/l)	0.00689	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.20218	-	-	-	-	-	0.89174	-	-	-	-	-	-
40	Managanese (mg/l)	0.02789	-	-	-	-	-	0.37111	-	-	-	-	-	-
41	Mercury (mg/l)	0.00074	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

AGRICULTURAL CANAL UPSTREAM OF CUNCOLIM INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	26	28	28	29	28	29	29	30	30	31	-
2	Dissolved Oxygen(mg/l)	6.7	8.4	5.1	5.8	1.9	7.6	7.5	6.6	6.7	6.8	7.5	7.7	-
3	pH	7.08	7.32	6.6	6.97	6.93	7.01	7.21	6.45	7.09	7.36	7.61	7.78	6-8.5
4	Conductivity(us/cm)	61.8	79.81	118.5	129.2	111.8	132.2	135.6	110.6	74.60	49.30	61.02	51.13	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	4.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.3	0.3	0.517	BDL	0.269	0.2	BDL	0.2	0.1	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.008	0.028	BDL	BDL	BDL	0.007	0.011	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	430	1700	2400	2400	1100	1300	1700	1100	1400	1300	790	790	-
9	Fecal Coliform(MPN/100ml)	280	790	790	790	460	780	780	680	790	790	490	490	-
10	Fecal Streptococci (MPN/100ml)	240	540	280	170	110	230	310	200	150	220	140	170	-
11	Turbidity(NTU)	BDL	1.11	3.4	8.13	8.26	4.49	4.05	6.07	5.93	3.79	4.90	2.30	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	18.0	26.0	26.0	16.0	52.0	40.0	30.0	16.0	38.0	24.0	22.0	18.0	-
14	Chlorides(mg/l)	6.0	6.5	34.0	15.5	10.49	12.49	19.0	13.0	1624.50	6.50	7.0	5.0	-
15	COD(mg/l)	6.0	6.0	8.0	2.0	12.0	4.0	10.0	4.0	6.0	8.0	4.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	5.6	0.56	0.56	0.56	0.56	1.12	0.56	0.56	1.12	0.56	1.1	1.1	-
17	Ammonia (mg/l)	BDL	BDL	0.08	BDL	0.05	BDL	BDL	0.05	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	30.0	54.0	26.0	26.0	48.0	48.0	38.0	36.0	28.0	26.0	18.0	-
19	Calcium(mg/l)	3.2	6.41	9.6	5.6	5.61	8.02	8.82	8.82	10.42	3.21	5.6	5.6	-
20	Magnesium(mg/l)	2.4	3.4	7.3	2.9	2.92	6.80	6.32	3.89	2.43	4.86	2.9	1.0	-
21	Sulphate(mg/l)	12.44	2.4	7.8	6.9	5.47	11.2	3.94	3.72	10.01	6.19	2.8	2.3	-
22	Sodium(mg/l)	20.2	19.6	45.2	65.9	32.8	95.6	14.3	9.4	103.0	12.3	1.2	1.3	-
23	Total Dissolved Solids(mg/l)	38.0	49.0	76.0	78.0	69.0	74.0	87.0	72.0	44.0	29.0	36.0	31.0	-
24	Total Fixed Solids(mg/l)	25.0	29.0	46.0	31.0	41.0	44.0	52.0	40.0	26.0	17.0	14.0	12.0	-
25	Total Suspended Solids(mg/l)	2.0	8.0	5.0	10.0	11.0	8.0	6.0	8.0	8.0	7.0	9.0	4.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	BDL	BDL	-
27	Boron(mg/l)	1.17	1.3	0.4	BDL	0.06	--	--	0.7	0.7	1.9	0.2	BDL	Max 2mg/l
28	Potassium(mg/l)	1.2	7.5	4.9	7.7	11.6	47.8	5.9	2.5	69.0	1.4	0.5	0.5	-
29	Flouride(mg/l)	BDL	BDL	0.3	0.1	BDL	0.500	BDL	BDL	BDL	BDL	0.3	BDL	-
30	SAR	12.0	8.85	15.55	31.95	15.88	35.12	5.20	3.73	40.64	6.12	0.6	0.7	Max 26.0
31	Percent Sodium (%)	79.15	73.42	74.8	89.64	83.88	90.63	57.16	48.35	93.05	62.93	16.6	20.8	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	0.02091	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.01297	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.0662	-	-	-	-	-	-
39	IronTotal(mg/l)	0.150292	-	-	-	-	-	4.53716	-	-	-	-	-	-
40	Managanese (mg/l)	0.197639	-	-	-	-	-	0.21555	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

AGRICULTURAL CANAL DOWNSTREAM OF CUNCOLIM INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class E as per CPCB classification based on designated best use
1	Temperature°C	31	30	26	28	28	29	28	29	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	8.3	7.9	5	5.4	6.3	7.8	5.1	6.3	6	6.3	7.2	7.1	-
3	pH	6.96	7.23	6	6.17	6.87	6.41	6.85	6.08	6.75	6.69	7.30	7.65	6-8.5
4	Conductivity(µs/cm)	91.15	58.73	1278	458.9	110.7	608.4	403.9	584.3	330.8	159.10	46.70	53.03	Max 2250 µs/cm
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.3	0.5	0.517	BDL	1.311	0.76	0.9	0.2	0.5	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.005	0.017	0.018	BDL	BDL	0.013	0.020	0.012	0.006	BDL	BDL	-
8	Total Coliform(MPN/100ml)	920	1400	3500	2800	2200	1700	2000	1400	1700	3500	1300	1300	-
9	Fecal Coliform(MPN/100ml)	540	940	1300	1100	940	1100	920	780	1100	1100	790	790	-
10	Fecal Streptococci (MPN/100ml)	350	350	350	240	170	330	330	260	220	280	170	220	-
11	Turbidity(NTU)	1.72	1.05	1.3	3.09	7.60	1.83	2.03	4.13	4.38	6.10	5.00	2.24	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	20.0	28.0	18.0	18.0	58.0	42.0	58.0	14.0	56.0	36.0	32.0	22.0	-
14	Chlorides(mg/l)	13.0	10.5	749.4	20.5	11.0	39.99	55.98	60.48	249.92	24.5	4.5	4.0	-
15	COD(mg/l)	6.0	6.0	8.0	4.0	10.0	6.0	12.0	6.0	6.0	6.0	4.0	6.0	-
16	Total Kjeldahl Nitrogen(mg/l)	6.20	0.56	1.12	1.12	1.12	0.56	0.56	1.68	0.56	0.56	1.1	1.1	-
17	Ammonia (mg/l)	BDL	BDL	0.19	BDL	BDL	BDL	BDL	0.29	0.28	0.10	BDL	BDL	-
18	Total Hardness(mg/l)	18.0	38.0	2200.0	600.0	178.0	506.0	138.0	138.0	76.0	50.0	22.0	28.0	-
19	Calcium(mg/l)	3.2	6.41	320.6	160.3	6.41	112.2	26.45	36.87	18.44	8.82	4.8	8.0	-
20	Magnesium(mg/l)	2.4	5.35	340.2	48.6	39.37	54.92	17.50	11.18	7.29	6.80	2.4	2.0	-
21	Sulphate(mg/l)	3.36	2.81	360.9	90.9	4.30	103.64	35.76	46.40	54.28	8.76	1.6	2.7	-
22	Sodium(mg/l)	25.4	23.5	2830.0	74.0	25.3	219.4	15.8	98.6	38.3	18.1	1.7	1.4	-
23	Total Dissolved Solids(mg/l)	56.0	37.0	818.0	275.0	63.0	340.0	258.0	351.0	188.0	101.0	28.0	32.0	-
24	Total Fixed Solids(mg/l)	39.0	22.0	491.0	110.0	38.0	204.0	154.0	212.0	112.0	60.0	11.0	13.0	-
25	Total Suspended Solids(mg/l)	4.0	13.0	4.0	6.0	9.0	5.0	4.0	6.0	6.0	10.0	10.0	5.0	-
26	Phosphate(mg/l)	0.05	BDL	BDL	BDL	0.002	0.02	BDL	0.11	0.20	0.06	BDL	BDL	-
27	Boron(mg/l)	1.18	1.1	1.7	BDL	0.190	--	--	0.3	1.3	1.9	BDL	BDL	Max 2mg/l
28	Potassium(mg/l)	7.0	11.7	190.0	6.5	5.9	109.7	4.8	7.1	7.9	1.0	0.7	0.6	-
29	Flouride(mg/l)	BDL	0.5	0.7	0.4	BDL	0.852	1.0	BDL	BDL	BDL	BDL	BDL	-
30	SAR	15.1	9.96	155.69	7.24	5.29	24.0	3.37	20.12	10.68	6.48	0.9	0.6	Max 26.0
31	Percent Sodium (%)	85.18	74.96	82.1	27.81	40.53	66.32	31.91	68.75	64.23	55.01	24.9	16.6	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	0.00596	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.006843	-	-	-	-	-	1.83522	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.17971	-	-	-	-	-	-
39	IronTotal(mg/l)	0.115602	-	-	-	-	-	0.25031	-	-	-	-	-	-
40	Managanese (mg/l)	0.0839	-	-	-	-	-	1.404	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MAPUSA ON CULVERT ON HIGHWAY MAPUSA-PANAJI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	32	31	29	30	30	29	28	29	29	29	31	31	-
2	Dissolved Oxygen(mg/l)	2.7	2.2	2.0	4.9	5.0	3.3	4.1	4.0	2.1	4.8	5.5	4.7	4 mg/l or more
3	pH	6.57	6.54	6.66	6.74	6.59	6.64	6.76	6.29	6.20	6.67	7.10	7.02	6.5 - 8.5
4	Conductivity(µs/cm)	694.0	1397.0	250.7	183.6	181.8	136.1	260.1	168.3	506.8	784.3	114.7	96.76	-
5	BOD(mg/l)	5.0	4.3	5.4	BDL	BDL	5.4	2.1	BDL	5.2	2.2	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.7	0.2	0.3	0.2	0.1	0.12	BDL	0.2	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.012	0.017	0.006	BDL	BDL	0.008	0.005	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	540	3500	3300	2400	2800	1300	2400	2100	2300	2700	1100	4900	-
9	Fecal Coliform(MPN/100ml)	220	2200	1300	790	940	780	790	920	780	1300	460	2300	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	280	330	170	220	140	110	220	210	220	140	240	-
11	Turbidity(NTU)	10.22	27.70	15.23	7.09	7.18	7.93	3.79	4.72	19.7	11.33	4.80	6.12	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	42.0	40.0	48.0	34.0	30.0	74.0	44.0	12.0	48.0	44.0	24.0	28.0	-
14	Chlorides(mg/l)	144.96	849.70	29.99	26.99	26.0	18.49	44.5	20.49	150.0	184.94	11.0	12.0	-
15	COD(mg/l)	18.0	18.0	20.0	8.0	10.0	18.0	10.0	1.68	20.0	2.0	8.0	10.0	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.12	0.56	1.68	1.12	0.56	0.56	1.68	1.68	2.24	0.6	1.1	-
17	Ammonia (mg/l)	BDL	0.07	0.17	0.08	0.09	BDL	0.23	0.06	0.283	BDL	0.10	BDL	-
18	Total Hardness(mg/l)	80.0	1200.0	88.0	50.0	44.0	42.0	66.0	58.0	108.0	138.0	26.0	42.0	-
19	Calcium(mg/l)	12.83	2.41	16.83	13.63	11.2	12.02	16.8	17.64	25.65	25.7	7.2	7.2	-
20	Magnesium(mg/l)	11.66	145.8	11.2	3.89	3.9	2.916	5.8	3.40	10.69	18.0	1.9	5.8	-
21	Sulphate(mg/l)	13.84	581.8	23.11	13.12	6.3	25.96	7.28	9.83	8.98	14.67	BDL	11.2	-
22	Sodium(mg/l)	63.2	72.8	8.8	11.5	35.5	62.3	31.2	8.8	90.5	91.0	6.0	8.8	-
23	Total Dissolved Solids(mg/l)	425.0	838.0	152.0	119.0	107.0	76.0	153.0	102.0	302.0	461.0	76.0	58.0	-
24	Total Fixed Solids(mg/l)	255.0	503.0	91.0	72.0	67.0	45.0	105.0	61.0	102.0	322.0	25.0	23.0	-
25	Total Suspended Solids(mg/l)	21.0	34.0	23.0	13.0	15.0	10.0	12.0	8.0	40.0	39.0	4.0	10.0	-
26	Phosphate(mg/l)	0.02	BDL	0.11	BDL	0.05	0.28	0.02	0.02	0.03	BDL	BDL	BDL	-
27	Boron(mg/l)	1.5	BDL	1.6	1.4	0.5	-	1.8	1.6	0.1	0.27	BDL	BDL	-
28	Potassium(mg/l)	5.8	2.1	6.1	2.3	19.0	31.2	5.3	3.3	40.5	19.0	0.2	6.7	-
29	Flouride(mg/l)	1.2	0.27	BDL	0.4	0.2	0.72	BDL	0.3	BDL	BDL	BDL	0.3	-
30	SAR	18.06	8.46	2.35	3.89	12.92	22.8	0.9	2.71	21.23	19.5	2.81	3.5	-
31	Percent Sodium (%)	73.81	33.6	34.72	44.06	78.59	86.23	1.53	36.53	78.28	71.60	40.41	54.4	-
32	Arsenic(mg/l)	0.00041	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00008	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00627	-	-	-	-	-	31.47	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	1.06	-	-	-	-	-	-
38	Zinc(mg/l)	0.01195	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.26222	-	-	-	-	-	744.16	-	-	-	-	-	-
40	Manganese (mg/l)	0.10656	-	-	-	-	-	254.30	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CUMBHARJUA CANAL, CORLIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	31	28	29	29	29	30	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	7.1	4.1	4.4	7.9	7.3	6.7	7.8	6.3	6.0	7.7	6.5	6.6	4 mg/l or more
3	pH	7.66	7.32	7.20	6.81	6.9	8.67	7.43	6.9	7.09	7.36	7.14	7.37	6.5 - 8.5
4	Conductivity(µs/cm)	44420.0	40680.0	12370.0	157.2	126.2	2470.0	5934.0	19610.0	25640.0	23970.0	37950.0	38520.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.9	1.837	1.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	BDL	0.17	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.047	0.05	0.031	0.006	0.007	BDL	BDL	0.005	0.048	BDL	BDL	0.04	-
8	Total Coliform(MPN/100ml)	220	1300	1700	790	1300	1700	1100	1300	780	490	920	1100	-
9	Fecal Coliform(MPN/100ml)	140	790	700	490	790	1100	490	490	450	230	220	450	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	170	49	110	47	79	240	260	140	110	70	94	140	-
11	Turbidity(NTU)	5.65	7.93	9.8	10.0	40.0	6.79	4.28	7.2	5.83	4.95	6.74	6.60	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	84.0	110.0	46.0	14.0	34.0	38.0	42.0	46.0	80.0	72.0	92.0	88.0	-
14	Chlorides(mg/l)	13745.7	16994.7	5648.2	29.0	26.0	659.8	1774.45	1999.4	9122.17	11496.4	13995.7	13745.7	-
15	COD(mg/l)	-	-	-	10.0	6.0	8.0	4.0	6.0	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.68	1.12	5.0	1.12	1.68	1.12	0.56	1.12	2.2	1.68	1.12	-
17	Ammonia (mg/l)	BDL	0.06	0.07	0.06	0.07	0.07	0.10	BDL	BDL	0.09	BDL	BDL	-
18	Total Hardness(mg/l)	4400.0	10200.0	96.0	30.0	26.0	242.0	480.0	880.0	5600.0	5000.0	9600.0	6600.0	-
19	Calcium(mg/l)	400.8	1202.4	16.0	5.6	9.6	20.04	58.52	96.2	641.29	400.8	480.96	801.6	-
20	Magnesium(mg/l)	826.2	1749.6	13.6	3.9	BDL	46.66	81.16	155.5	972.0	972.0	2041.20	1117.80	-
21	Sulphate(mg/l)	658.5	1461.66	449.6	0.7	5.0	45.0	77.85	33.6	100.13	1106.3	416.1	333.5	-
22	Sodium(mg/l)	920.0	9942.5	8820.0	16.1	56.3	156	720.0	1320.0	790.0	794.6	7950.0	7289.3	-
23	Total Dissolved Solids(mg/l)	26652.0	22780.0	7917.0	99.0	76.0	1567.0	3452.0	12550.0	15640.0	15964.0	21252.0	21571.0	-
24	Total Fixed Solids(mg/l)	10661.0	13668.0	4750.0	36.0	30.0	938.0	2075.0	7530.0	9384.0	4530.0	21252.0	12942.0	-
25	Total Suspended Solids(mg/l)	9.0	14.0	15.0	17.0	52.0	7.0	11.0	12.0	7.0	7.0	11.0	12.0	-
26	Phosphate(mg/l)	BDL	0.02	0.02	0.03	BDL	BDL	0.53	BDL	BDL	BDL	0.03	BDL	-
27	Boron(mg/l)	BDL	1.409	1.4	0.7	-	-	1.9	1.0	1.7	0.7	0.7	1.2	-
28	Potassium(mg/l)	291.2	4971.3	8110.0	9.2	15.4	82	3.8	523.0	361.0	129.0	1050.0	400.0	-
29	Flouride(mg/l)	0.92	0.973	1.1	BDL	0.2	BDL	0.7	0.5	0.5	0.6	0.95	2.32	-
30	SAR	37.14	258.79	2291.10	7.39	25.05	27.01	51.48	117.66	27.82	16.97	223.9	257.82	-
31	Percent Sodium (%)	49.7	83.48	99.83	72.70	87.65	93.60	64.91	87.98	41.64	17.39	78.11	82.79	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	3.44	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	148.8	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.05048	-	-	-	-	-	378.50	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDОВI NEAR MANDОВI BRIDGE,														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	29	28	27	29	30	30	28	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.8	4.7	4.7	8.6	6.3	7.3	6.3	6.6	6.5	7.6	6.7	6.9	4 mg/l or more
3	pH	8.08	8.20	7.99	7.25	8.95	7.38	7.69	7.58	7.89	7.76	7.33	7.89	6.5 - 8.5
4	Conductivity(µs/cm)	55960.0	53050.0	45360.0	1285.0	122.70	24570.00	33670.0	25800.00	46030.0	35960.0	40430.0	44870.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	3.18	BDL	0.2	BDL	0.4	BDL	BDL	0.4	0.5	BDL	BDL	1.2	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.077	0.01	0.009	0.006	0.012	0.006	BDL	0.012	0.018	BDL	0.008	0.038	-
8	Total Coliform(MPN/100ml)	540	330	490	470	490	920	700	780	1100	490	130	110	-
9	Fecal Coliform(MPN/100ml)	350	230	230	220	230	400	490	450	680	230	78	68	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	430	68	130	130	140	170	210	270	330	130	49	33	-
11	Turbidity(NTU)	5.26	5.54	6.13	12.0	26.60	5.67	3.29	3.87	2.12	3.79	3.35	4.49	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	20.0	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	110.0	76.0	84.0	22.0	44.0	48.0	10.0	68.0	96.0	88.0	82.0	80.0	-
14	Chlorides(mg/l)	17119.7	16744.81	17244.50	429.9	19.99	9497.06	16869.8	9996.90	16619.9	14620.0	16619.8	16994.7	-
15	COD(mg/l)	-	-	-	8.0	8.0	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.68	0.56	0.56	1.12	0.56	1.68	1.68	1.7	1.12	1.7	1.7	-
17	Ammonia (mg/l)	0.05	0.05	0.08	0.08	0.09	1.54	0.35	0.134	0.17	BDL	BDL	0.07	-
18	Total Hardness(mg/l)	8000.0	7200.0	7600.0	140.0	38.0	3200.0	4800.0	4000.0	5800.0	4800.0	8000.0	5000.0	-
19	Calcium(mg/l)	721.4	480.96	1042.08	16.83	5.61	961.92	561.1	400.8	481.0	480.9	481.0	561.1	-
20	Magnesium(mg/l)	1506.6	1458.0	1215.0	23.814	5.83	194.40	826.2	729.0	1117.8	874.8	1652.4	874.8	-
21	Sulphate(mg/l)	728.5	2844.51	1961.84	33.92	5.44	1170.14	592.0	294.6	493.0	1583.1	1162.2	703.3	-
22	Sodium(mg/l)	1193.0	6950.0	8400.0	5421.0	76.4	5275.0	1863.4	1943.1	2226.0	8475.0	7625.0	11040.0	-
23	Total Dissolved Solids(mg/l)	33576.0	32891.0	29030.0	719.0	72.0	14005.0	20202.0	15480.0	27618.0	21216.0	25276.0	26922.0	-
24	Total Fixed Solids(mg/l)	13430.0	19734.0	17418.0	431.0	43.0	8403.0	8081.0	6192.0	11047.0	14851.0	8425.0	10769.0	-
25	Total Suspended Solids(mg/l)	10.0	9.0	14.0	15.0	31.0	6.0	5.0	6192.0	5.0	9.0	54.0	13.0	-
26	Phosphate(mg/l)	0.038	0.02	0.03	BDL	0.03	0.02	BDL	0.03	0.03	BDL	0.09	BDL	-
27	Boron(mg/l)	BDL	1.37	1.7	0.712	1.2	-	2.1	0.3	0.5	0.3	0.9	1.1	-
28	Potassium(mg/l)	223.5	225.0	6200.0	2710.5	57.8	2275.0	524.2	613.1	628.0	700.0	75.0	60.0	-
29	Flouride(mg/l)	0.95	2.3	1.3	0.78	0.3	0.9	1.3	1.1	1.2	0.7	1.7	1.7	-
30	SAR	35.7	226.06	250.05	1202.53	31.94	219.38	70.75	81.80	78.7	325.52	233.47	412.0	-
31	Percent Sodium (%)	38.87	79.15	86.61	99.50	92.15	86.72	63.25	69.35	64.1	87.10	78.30	88.6	-
32	Arsenic(mg/l)	0.00122	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01224	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.01072	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.0054	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.01104	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.07461	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.79439	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.06104	-	-	-	-	-	44.33	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDOVI AT TONCA MARCELA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	30	29	28	29	29	29	29	29	30	31	-
2	Dissolved Oxygen(mg/l)	8.0	6.0	5.6	7.9	7.9	7.3	7.1	6.3	6.0	7.5	7.2	6.5	4 mg/l or more
3	pH	7.44	7.42	7.2	6.80	7.1	6.84	7.56	6.7	6.9	7.41	7.42	7.05	6.5 - 8.5
4	Conductivity(µs/cm)	36550.0	36800.0	5085.0	85.09	96.6	261.1	2466.0	2848.0	18770.0	23980.0	31890.0	34550.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	2.5	2.06	1.30	0.30	0.2	0.2	0.2	0.1	0.5	0.1	BDL	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.063	0.06	0.038	BDL	0.006	BDL	BDL	BDL	0.016	BDL	0.007	0.040	-
8	Total Coliform(MPN/100ml)	540	490	790	700	1100	1200	1100	1400	1100	780	1300	1100	-
9	Fecal Coliform(MPN/100ml)	350	230	330	230	450	680	330	680	450	200	780	780	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	170	210	140	150	210	210	240	120	93	220	200	-
11	Turbidity(NTU)	2.76	3.35	4.4	10.19	38.8	5.0	4.32	4.6	4.9	4.36	3.82	4.16	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10.0	BDL	BDL	-
13	Total Alkalinity(mg/l)	76.0	96.0	32.0	12.0	58.0	26.0	30.0	52.0	64.0	64.0	78.0	80.0	-
14	Chlorides(mg/l)	13120.9	15745.1	2199.3	14.0	12.5	59.98	724.78	1099.7	6947.8	9122.2	11496.4	12246.2	-
15	COD(mg/l)	-	-	-	6.0	4.0	10.0	6.0	8.0	BDL	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	1.12	3.9	0.56	1.12	0.56	0.56	0.56	2.2	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.07	0.06	BDL	BDL	0.06	BDL	BDL	0.07	BDL	BDL	-
18	Total Hardness(mg/l)	4200.0	7200.0	960.0	24.0	30.0	52.0	228.0	334.0	3000.0	3600.0	4200.0	4800.0	-
19	Calcium(mg/l)	400.8	961.9	144.3	4.8	8.0	9.62	43.29	51.3	400.8	240.5	641.3	480.96	-
20	Magnesium(mg/l)	777.6	1166.4	145.8	2.9	2.4	6.80	29.16	50.1	486.0	729.0	631.80	874.80	-
21	Sulphate(mg/l)	714.5	888.46	830.6	7.1	3.6	5.10	43.8	14.0	366.1	1025.57	255.5	326.3	-
22	Sodium(mg/l)	803.6	10550.0	5820.0	15.1	12.4	26.4	860.0	765.0	650.0	826.4	4200.0	7250.1	-
23	Total Dissolved Solids(mg/l)	21929.0	20608.0	3454.0	57.0	58.0	141.0	1486.0	1823.0	12013.0	15891.0	17858.0	19348.0	-
24	Total Fixed Solids(mg/l)	8772.0	12364.0	2072.0	19.0	23.0	82.0	893.0	1094.0	7208.0	5291.0	10714.0	11608.0	-
25	Total Suspended Solids(mg/l)	6.0	6.0	14.0	12.0	44.0	8.0	6.0	7.0	9.0	8.0	8.0	11.0	-
26	Phosphate(mg/l)	0.31	0.02	BDL	0.04	BDL	BDL	0.02	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	BDL	1.348	1.4	0.6	-	-	1.8	0.6	1.4	0.8	1.3	1.4	-
28	Potassium(mg/l)	265.4	5275.0	3290.0	10.5	8.3	13.4	100.0	465.0	260.0	98.4	1025.0	900.8	-
29	Flouride(mg/l)	0.72	1.484	0.6	0.9	0.3	0.2	0.6	0.4	0.6	0.6	1.12	1.77	-
30	SAR	33.11	323.41	483.25	7.70	5.43	9.21	95.31	107.46	30.9	20.57	166.470	278.46	-
31	Percent Sodium (%)	47.5	88.15	96.91	76.88	66.46	70.79	85.50	92.39	50.7	22.26	80.41	85.74	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	7.47	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	207.30	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.07766	-	-	-	-	-	245.68	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDOVI NEAR HOTEL MARIOTT														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	31	28	29	27	29	30	30	28	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.8	6.6	6.6	8.1	5.8	7.9	7.1	6.1	7.4	6.9	6.5	6.0	4 mg/l or more
3	pH	8.3	8.27	8.03	7.95	7.35	7.91	7.89	7.66	8.09	7.72	7.64	7.66	6.5 - 8.5
4	Conductivity(µs/cm)	58050.0	52910.0	41110.0	15670.0	4646.0	43520.0	47920.0	33750.0	48050.0	44960.0	46040.0	50180.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	BDL	0.3	0.132	0.2	0.3	BDL	0.6	0.1	0.2	BDL	3.7	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.01	0.011	0.007	0.015	BDL	BDL	0.019	0.006	0.006	0.009	0.148	-
8	Total Coliform(MPN/100ml)	920	460	700	460	700	780	1100	780	610	790	78	110	-
9	Fecal Coliform(MPN/100ml)	350	330	210	230	330	450	490	450	400	330	45	78	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	110	130	140	170	130	220	210	130	130	33	23	-
11	Turbidity(NTU)	2.8	10.37	6.87	13.40	32.10	2.94	1.91	6.43	3.87	3.35	2.71	4.35	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	14.0	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	110.0	90.0	84.0	38.0	72.0	64.0	14.0	70.0	104.0	114.0	88.0	88.0	-
14	Chlorides(mg/l)	16744.8	17494.58	17994.42	6872.90	1649.5	16494.89	17244.7	11746.4	16619.9	17119.7	16869.8	17119.7	-
15	COD(mg/l)	-	-	-	-	8.0	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	0.56	0.56	1.12	0.56	1.12	1.68	1.1	1.12	2.2	1.1	-
17	Ammonia (mg/l)	BDL	BDL	0.06	BDL	BDL	0.08	BDL	0.144	0.06	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6600.0	8000.0	4200.0	3000.0	400.0	6000.0	6200.0	3800.0	7000.0	7000.0	7200.0	5600.0	-
19	Calcium(mg/l)	641.3	721.44	561.12	400.80	133.87	1603.20	481.0	801.6	481.0	641.3	561.1	400.8	-
20	Magnesium(mg/l)	1215.0	1506.0	680.4	486.0	16.04	486.0	1215.0	437.4	1409.4	1312.2	1409.4	1117.8	-
21	Sulphate(mg/l)	1947.4	2908.99	1317.44	980.5	109.56	1586.9	1261.0	755.0	532.2	1730.2	1238.1	754.0	-
22	Sodium(mg/l)	12950.0	7300.0	8400.0	350.08	306.0	5600.00	2138.7	1998.2	2304.0	8100.0	7375.0	13180.0	-
23	Total Dissolved Solids(mg/l)	37152.0	34920.0	25077.0	8775.0	2973.0	24463.0	28752.0	20250.0	28830.0	27425.0	28784.0	30108.0	-
24	Total Fixed Solids(mg/l)	22291.0	20952.0	15046.0	5265.0	1783.0	14651.0	11501.0	8100.0	11532.0	17552.0	9593.0	12043.0	-
25	Total Suspended Solids(mg/l)	5.0	15.0	12.0	16.0	39.0	6.0	5.0	8100.0	7.0	8.0	78.0	11.0	-
26	Phosphate(mg/l)	0.02	0.02	0.10	0.06	0.18	0.03	BDL	0.03	0.04	BDL	0.04	BDL	-
27	Boron(mg/l)	1.6	1.50	1.1	1.136	0.8	-	2.0	0.2	0.2	0.2	1.0	1.5	-
28	Potassium(mg/l)	4300.0	350.0	6800.0	3690.8	214.0	1950.0	614.8	6.3	681.0	750.0	150.0	60.0	-
29	Flouride(mg/l)	1.4	2.6	0.3	1.09	0.4	1.00	1.1	0.9	1.2	0.8	1.6	1.7	-
30	SAR	425.07	223.65	337.15	350.55	35.34	173.27	73.40	80.3	74.9	259.18	234.96	478.3	-
31	Percent Sodium (%)	90.28	78.21	92.45	92.58	77.62	78.33	61.9	67.98	61.2	81.92	79.25	89.7	-
32	Arsenic(mg/l)	0.00116	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.0052	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.00411	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00365	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	99.39	-	-	-	-	-	-
39	IronTotal(mg/l)	0.35222	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.07675	-	-	-	-	-	61.29	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDOVI AT IFFI JETTY														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	28	28	27	29	30	30	28	30	31	31	-
2	Dissolved Oxygen(mg/l)	7.7	6.2	6.5	8.7	5.6	8.3	6.8	7.9	6.7	6.4	6.2	5.0	4 mg/l or more
3	pH	8.2	8.24	8.02	7.62	7.69	7.99	7.91	7.62	8.06	7.68	7.46	7.80	6.5 - 8.5
4	Conductivity(µs/cm)	57970.0	53200.0	43030.0	9082.0	4701.0	42830.0	46600.0	32200.0	47850.0	44580.0	41230.0	49740.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	BDL	0.2	0.201	0.3	0.6	BDL	0.52	0.2	BDL	BDL	3.7	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.01	0.009	BDL	0.013	BDL	BDL	0.017	0.007	0.005	0.008	0.190	-
8	Total Coliform(MPN/100ml)	540	340	490	320	460	680	790	1400	330	940	330	210	-
9	Fecal Coliform(MPN/100ml)	430	270	220	170	230	400	330	680	170	330	170	110	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	220	110	140	110	140	78	170	240	140	170	70	70	-
11	Turbidity(NTU)	2.8	3.0	6.04	12.0	33.8	2.9	1.39	2.9	30.0	9.65	4.28	4.56	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.0	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	108.0	80.0	80.0	40.0	58.0	76.0	10.0	76.0	100.0	100.0	42.0	80.0	-
14	Chlorides(mg/l)	16994.7	16994.73	17494.58	2099.3	1649.49	16744.8	17119.7	11496.43	16494.9	16120.0	16744.8	16994.7	-
15	COD(mg/l)	-	-	-	-	8.0	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	0.56	1.12	1.12	2.24	1.12	1.12	1.7	1.12	1.7	1.1	-
17	Ammonia (mg/l)	BDL	BDL	BDL	0.05	BDL	0.24	BDL	0.065	0.13	0.1	BDL	BDL	-
18	Total Hardness(mg/l)	5600.0	7400.0	4800.0	1360.0	426.0	7400.0	6800.0	5200.0	8400.0	7000.0	6400.0	5600.0	-
19	Calcium(mg/l)	561.1	561.12	641.28	80.2	123.45	721.4	481.0	481.0	561.1	641.3	400.8	641.3	-
20	Magnesium(mg/l)	1020.6	1458.0	777.6	281.90	28.67	1360.80	1360.8	972.0	1701.0	1312.2	1312.2	972.0	-
21	Sulphate(mg/l)	1457.0	2500.59	1790.0	323.3	105.04	1884.9	1018.2	486.2	520.3	1709.2	911.0	797.5	-
22	Sodium(mg/l)	12400.0	7025.0	9300.0	512.08	297.0	5425.00	2113.8	1994.0	2259.8	3425.0	6975.0	14320.0	-
23	Total Dissolved Solids(mg/l)	37101.0	34048.0	23236.0	5085.0	2867.0	23517.0	27960.0	19320.0	28710.0	25856.0	27439.0	29844.0	-
24	Total Fixed Solids(mg/l)	22261.0	20428.0	13941.0	3051.0	1720.0	14115.0	11184.0	7728.0	11484.0	17323.0	9145.0	11938.0	-
25	Total Suspended Solids(mg/l)	4.0	5.0	11.0	15.0	40.0	5.0	4.0	7728.0	6.0	18.0	80.0	14.0	-
26	Phosphate(mg/l)	BDL	0.02	0.09	0.29	0.11	0.28	0.02	0.05	0.02	0.03	0.02	BDL	-
27	Boron(mg/l)	1.7	1.635	1.5	1.102	1.5	-	2.3	0.9	0.4	0.3	1.0	1.3	-
28	Potassium(mg/l)	4050.0	275.0	7200.0	3445.1	183.0	2225.0	608.0	624.0	683.1	775.0	75.0	100.0	-
29	Flouride(mg/l)	1.3	0.4	1.3	0.97	0.3	0.9	1.1	1.0	1.3	0.7	1.8	0.9	-
30	SAR	440.93	223.81	349.16	512.08	34.05	168.13	69.66	74.0	67.2	269.57	238.33	504.2	-
31	Percent Sodium (%)	91.23	78.74	92.08	96.62	75.93	78.60	59.64	64.31	56.54	82.49	80.45	89.9	-
32	Arsenic(mg/l)	0.00132	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01038	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.0096	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.00555	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00223	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.06454	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.69438	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.0189	-	-	-	-	-	18.11	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDOVI AT RIBANDAR-CHODAN FERRY, PANAJI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	29	28	27	29	29	30	28	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.4	5.5	5.1	8.5	6.0	7.3	6.4	6.9	6.7	7.3	8.4	6.4	4 mg/l or more
3	pH	7.94	8.12	7.96	7.31	6.92	7.93	7.70	7.03	7.89	7.85	7.5	7.56	6.5 - 8.5
4	Conductivity(µs/cm)	53280.0	53080.0	41460.0	276.8	122.70	27990.0	32230.0	17220.00	36910.0	35030.0	41360.0	42750.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	2.99	BDL	0.3	BDL	0.6	0.1	BDL	0.2	0.4	0.1	BDL	0.28	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.072	0.01	0.015	0.009	0.014	BDL	BDL	0.008	0.014	BDL	0.006	0.03	-
8	Total Coliform(MPN/100ml)	920	390	700	340	470	450	940	680	490	330	330	1100	-
9	Fecal Coliform(MPN/100ml)	540	260	330	220	260	200	460	450	230	170	230	680	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	78	120	110	170	92	200	220	120	94	140	220	-
11	Turbidity(NTU)	3.32	8.21	8.12	14.19	26.80	6.92	1.90	11.71	3.30	3.78	6.82	9.63	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	116.0	70.0	86.0	28.0	50.0	64.0	10.0	64.0	76.0	72.0	94.0	94.0	-
14	Chlorides(mg/l)	17369.6	15995.04	17744.50	61.98	20.49	11496.44	16619.8	6622.9	13245.9	13120.9	16994.7	14995.4	-
15	COD(mg/l)	-	-	-	6.0	6.0	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	1.12	1.12	0.56	2.24	0.56	1.12	1.12	1.1	3.9	1.68	1.68	-
17	Ammonia (mg/l)	BDL	0.05	0.06	BDL	0.06	0.85	BDL	0.089	0.09	0.1	BDL	BDL	-
18	Total Hardness(mg/l)	6200.0	6600.0	4400.0	54.0	34.0	4000.0	4800.0	3000.0	6000.0	4600.0	6400.0	6600.0	-
19	Calcium(mg/l)	561.1	400.8	561.12	8.82	7.21	801.60	400.8	400.8	641.3	240.5	480.96	801.6	-
20	Magnesium(mg/l)	1166.4	1360.8	729.0	7.78	3.89	486.00	923.4	486.0	1069.2	972.0	1263.60	1117.80	-
21	Sulphate(mg/l)	798.6	2636.72	1116.96	11.18	7.48	1266.50	461.8	160.2	427.6	1082.4	452.6	478.5	-
22	Sodium(mg/l)	1139.0	6750.0	9200.0	450.72	86.9	4725.00	1724.7	1898.4	2104.2	994.6	6775.0	8600.2	-
23	Total Dissolved Solids(mg/l)	31968.0	33971.0	24461.0	155.0	66.0	15954.0	19338.0	10332.0	22146.0	23301.0	23161.0	23940.0	-
24	Total Fixed Solids(mg/l)	12787.0	20382.0	14676.0	186.0	39.0	9572.0	4435.0	4133.0	8858.0	7759.0	13896.0	14364.0	-
25	Total Suspended Solids(mg/l)	7.0	11.0	17.0	21.0	30.0	8.0	4.0	4133.0	6.0	7.0	12.0	17.0	-
26	Phosphate(mg/l)	0.05	0.16	0.06	0.04	0.13	0.03	BDL	BDL	0.04	BDL	BDL	BDL	-
27	Boron(mg/l)	BDL	1.56	1.5	0.785	1.5	-	2.2	0.2	1.0	0.4	1.0	1.3	-
28	Potassium(mg/l)	217.5	200.0	5400.0	649.3	53.1	2175.0	413.1	581.4	653.9	113	1100.0	650.0	-
29	Flouride(mg/l)	1.08	0.5	1.7	0.77	BDL	0.9	1.3	1.1	1.1	1.0	1.21	1.32	-
30	SAR	38.8	227.44	362.23	450.72	36.89	186.22	67.03	90.2	71.95	21.64	229.4	277.610	-
31	Percent Sodium (%)	43.98	79.78	91.88	99.15	92.65	84.27	61.75	73.66	61.7	20.77	81.86	82.82	-
32	Arsenic(mg/l)	0.00105	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00632	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.21894	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.00337	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.0028	-	-	-	-	-	4.34	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	125.44	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.03164	-	-	-	-	-	37.86	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER MANDOVI AT AMONA														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	30	29	28	28	29	29	29	29	30	31	-
2	Dissolved Oxygen(mg/l)	7.3	6.4	6.0	8.0	7.8	7.5	6.2	7.6	6.8	8.5	8.0	7.1	4 mg/l or more
3	pH	7.10	7.39	7.3	6.76	6.8	6.74	7.34	6.9	7.1	7.55	7.48	7.36	6.5 - 8.5
4	Conductivity(µs/cm)	36720.0	33240.0	3884.0	86.15	65.9	159.9	331.8	377.5	12960.0	20330.0	24740.0	28150.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	2.66	1.825	0.8	0.2	0.1	0.1	0.2	0.1	0.6	0.2	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.066	0.05	0.026	BDL	BDL	BDL	0.005	BDL	0.015	0.008	0.012	0.04	-
8	Total Coliform(MPN/100ml)	920	490	700	700	1700	2100	1700	2100	1300	1100	330	1200	-
9	Fecal Coliform(MPN/100ml)	350	330	330	330	680	1300	460	780	450	680	230	920	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	430	130	170	170	210	260	240	270	140	120	140	240	-
11	Turbidity(NTU)	2.97	3.90	6.3	14.25	44.6	19.3	9.27	6.2	4.4	3.18	2.95	3.35	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	76.0	88.0	28.0	14.0	34.0	22.0	30.0	32.0	52.0	62.0	70.0	72.0	-
14	Chlorides(mg/l)	13495.8	15245.3	1599.5	14.5	11.0	31.49	80.97	89.5	4498.6	7997.5	10621.7	10496.7	-
15	COD(mg/l)	-	-	8.0	8.0	4.0	8.0	4.0	4.0	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	0.56	5.6	1.12	0.56	0.56	1.12	1.12	1.7	0.56	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	0.06	0.08	BDL	0.06	BDL	BDL	0.07	BDL	BDL	-
18	Total Hardness(mg/l)	4400.0	4400.0	880.0	24.0	18.0	30.0	58.0	56.0	2600.0	4400.0	3600.0	6200.0	-
19	Calcium(mg/l)	400.8	400.8	128.3	4.008	6.4	8.02	9.62	8.8	320.6	400.8	480.9	641.28	-
20	Magnesium(mg/l)	826.2	826.2	136.1	3.4	BDL	2.43	8.26	8.3	437.4	826.2	583.20	1117.80	-
21	Sulphate(mg/l)	749.5	2959.15	1011.0	5.5	5.9	6.79	10.66	7.2	346.1	992.7	233.6	290.0	-
22	Sodium(mg/l)	843.9	7575.0	4630.0	14.5	8.5	14.8	42.4	62.3	580.0	721.2	5725.0	9210.4	-
23	Total Dissolved Solids(mg/l)	22032.0	18614.0	2486.0	56.0	40.0	98.0	204.0	242.0	8294.0	13592.0	13854.0	15764.0	-
24	Total Fixed Solids(mg/l)	8812.0	11168.0	1492.0	18.0	16.0	56.0	120.0	145.0	4976.0	4530.0	8312.0	9458.0	-
25	Total Suspended Solids(mg/l)	6.0	7.0	7.0	9.0	58.0	24.0	15.0	13.0	7.0	7.0	7.0	8.0	-
26	Phosphate(mg/l)	0.073	BDL	BDL	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	BDL	1.329	1.7	0.9	-	-	0.5	0.3	1.4	0.8	1.3	1.2	-
28	Potassium(mg/l)	268.0	3787.5	3080.0	10.5	4.2	8.2	2.5	26.3	210.0	120.2	1025.0	1874.3	-
29	Flouride(mg/l)	0.70	0.812	0.7	BDL	BDL	BDL	BDL	0.3	0.5	0.6	0.99	1.49	-
30	SAR	34.07	305.83	402.73	7.54	4.58	6.47	9.09	21.32	29.8	16.57	248.20	388.5	-
31	Percent Sodium (%)	47.54	90.25	96.69	77.16	64.80	68.76	50.80	83.84	51.0	18.17	86.38	90.79	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	274.62	-	-	-	-	-	-
40	Manganese (mg/l)	0.06041	-	-	-	-	-	78.33	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER TIRACOL AT KERI, PERNEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	30	27	27	27	27	29	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.0	6.9	7.3	7.0	7.0	7.5	7.0	6.7	6.1	6.4	6.3	5.1	4 mg/l or more
3	pH	8.2	8.0	8.04	7.14	8.01	7.73	8.10	7.32	7.51	7.63	7.97	8.08	6.5 - 8.5
4	Conductivity(µs/cm)	52200.0	44140.0	13350.0	316.2	51150.0	21560.0	16750.0	16260.0	32610.0	48510.0	57610.0	52530.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.20	1.3	1.1	0.1	BDL	0.1	0.1	0.12	0.1	BDL	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	0.041	0.011	0.017	0.013	0.006	BDL	0.007	BDL	0.01	BDL	BDL	-
8	Total Coliform(MPN/100ml)	430	330	700	790	790	2200	1400	1700	700	490	780	330	-
9	Fecal Coliform(MPN/100ml)	210	230	330	330	490	1300	700	930	460	330	450	230	100 or less MPN/100 ml
10	Fecal Streptococci(MPN/100ml)	350	110	170	110	130	170	220	260	220	130	170	84	-
11	Turbidity(NTU)	4.3	12.0	5.0	45.60	11.6	2.13	2.35	5.82	4.23	4.37	3.07	3.70	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	12.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	14.0	-
13	Total Alkalinity(mg/l)	94.0	104.0	34.0	18.0	88.0	120.0	72.0	54.0	86.0	114.0	100.0	88.0	-
14	Chlorides(mg/l)	16994.7	16994.7	5373.3	73.0	16744.81	10746.67	12621.09	5623.3	13745.7	16494.9	17369.61	17994.4	-
15	COD(mg/l)	-	-	-	4.0	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	0.56	2.80	1.1	1.12	1.12	1.12	1.12	1.68	1.12	0.56	2.2	-
17	Ammonia (mg/l)	0.10	BDL	0.15	0.02	BDL	0.13	0.14	BDL	0.06	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6200.0	6000.0	2000.0	36.0	8400.0	3000.0	3320.0	2400.0	4800.0	6000.0	6600.0	7000.0	-
19	Calcium(mg/l)	801.6	400.8	400.8	1.6	721.4	400.28	232.46	240.5	320.6	881.8	561.12	561.1	-
20	Magnesium(mg/l)	1020.6	1215.0	243.0	7.776	1603.80	486.00	665.82	437.4	972.0	923.4	1263.60	1360.8	-
21	Sulphate(mg/l)	1401.0	2808.7	331.8	15.5	460.35	1527.25	1036.0	392.0	975.3	1923.4	1084.10	1386.2	-
22	Sodium(mg/l)	10850.0	7500.0	720.2	70.5	8400.20	3175.00	2975.0	2400.0	2575.00	11150.0	12275.0	8075.0	-
23	Total Dissolved Solids(mg/l)	33408.0	28250.0	8883.0	206.0	28644.0	12543.0	9547.0	10424.0	23534.0	28135.0	29483.0	35000.0	-
24	Total Fixed Solids(mg/l)	20045.0	16950.0	2960.0	68.0	17186.0	7520.0	5728.0	7186.0	7844.0	19131.0	17689.0	11550.0	-
25	Total Suspended Solids(mg/l)	7.0	16.0	10.0	22.0	8.0	12.0	5.0	22.0	8.0	10.0	8.0	16.0	-
26	Phosphate(mg/l)	0.02	0.02	0.04	0.02	0.06	BDL	0.03	0.05	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	1.8	1.8	2.1	0.3	1.314	-	-	0.70	1.1	1.0	1.5	0.8	-
28	Potassium(mg/l)	1450.0	400.0	79.5	7.1	4200.1	1125.0	325.0	25.0	252.1	1000.0	575.0	475.0	-
29	Flouride(mg/l)	1.4	1.6	0.6	0.2	1.476	0.6	1.5	0.70	0.8	0.9	1.4	1.5	-
30	SAR	359.46	263.87	40.14	32.52	246.36	150.78	140.38	1174.1	55.5	371.13	406.39	260.49	-
31	Percent Sodium (%)	87.10	83.02	55.40	89.20	84.42	82.90	78.60	99.66	39.63	87.06	87.57	81.65	-
32	Arsenic(mg/l)	0.00103	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00031	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	19.54	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.02333	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.10482	-	-	-	-	-	139.29	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER CHAPORA NEAR SIOLIM BRIDGE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	31	27	27	29	29	29	31	29	29	30	-
2	Dissolved Oxygen(mg/l)	6.8	6.5	6.2	7.2	8.8	8	7.9	6.6	4.1	6.9	7.0	6.5	4 mg/l or more
3	pH	8.2	8.0	7.94	7.68	7.60	9.16	8.11	7.96	7.16	7.67	8.05	7.80	6.5 - 8.5
4	Conductivity(µs/cm)	61380.0	38090.0	14900.0	153.8	1180.0	30720.0	18780.0	20110.0	19580.0	44200.0	53110.00	45750.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	1.8	1	0.1	0.100	0.1	0.1	0.10	0.1	BDL	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.067	0.025	0.008	BDL	BDL	BDL	0.007	0.206	0.021	0.006	BDL	-
8	Total Coliform(MPN/100ml)	540	2800	1700	1400	1700	2300	1300	1400	1700	780	1400	780	-
9	Fecal Coliform(MPN/100ml)	350	1100	790	700	790	1300	780	790	700	450	680	450	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	330	280	220	240	330	270	280	260	170	240	120	-
11	Turbidity(NTU)	4.2	5.3	3.67	38.80	4.82	3.56	2.32	8.27	12.9	4.18	3.23	2.77	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	18.0	BDL	0.8	BDL	BDL	4	BDL	BDL	BDL	BDL	6.0	BDL	-
13	Total Alkalinity(mg/l)	96.0	96.0	16.0	14.0	28.0	136.0	78.0	72.0	136.0	106.0	98.0	96.0	-
14	Chlorides(mg/l)	17244.7	16245.0	5623.3	34.5	349.19	9871.94	13495.82	6873.0	7497.7	16369.9	17119.69	17244.7	-
15	COD(mg/l)	-	-	-	7.0	8.0	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	4.48	0.6	0.56	1.12	1.12	1.12	2.2	1.12	0.56	3.4	-
17	Ammonia (mg/l)	0.05	BDL	0.07	0.03	BDL	0.06	BDL	BDL	0.35	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	8000.0	4800.0	2000.0	20.0	160.0	3400.0	3640.0	3000.0	2600.0	5600.0	6400.0	5800.0	-
19	Calcium(mg/l)	641.3	320.6	400.8	2.4	32.06	240.48	256.51	240.5	240.5	801.6	641.28	320.6	-
20	Magnesium(mg/l)	1555.2	972.0	243.0	3.4	19.44	680.40	729.0	583.2	486.0	874.8	1166.40	1215.0	-
21	Sulphate(mg/l)	1863.2	1576.6	426.6	12.2	8.72	1229.25	1857.40	554.4	205.9	1842.3	956.80	1261.5	-
22	Sodium(mg/l)	12150.0	5150.0	820.4	60.4	7824.80	4050.00	3975.0	2800.0	924.10	8975.0	12700.0	6325.0	-
23	Total Dissolved Solids(mg/l)	39283.0	24378.0	9750.0	102.0	660.0	16341.0	10704.0	12081.0	12776.0	26520.0	27169.0	30499.0	-
24	Total Fixed Solids(mg/l)	23570.0	14627.0	3249.0	33.0	396.0	9807.0	6422.0	8315.0	4258.0	17768.0	16300.0	10165.0	-
25	Total Suspended Solids(mg/l)	8.0	10.0	7.0	20.0	8.0	7.0	5.0	30.0	20.0	10.0	9.0	14.0	-
26	Phosphate(mg/l)	BDL	BDL	0.02	0.03	0.02	BDL	0.02	BDL	0.19	0.02	BDL	BDL	-
27	Boron(mg/l)	1.9	1.6	2.0	BDL	1.131	-	-	0.70	0.5	1.0	1.5	0.9	-
28	Potassium(mg/l)	1550.0	350.0	92.4	8.4	3912.0	1800.0	425.0	28.4	140.2	950.0	475.0	450.0	-
29	Flouride(mg/l)	1.5	1.5	0.6	0.2	0.163	0.7	1.7	1.04	0.8	0.9	1.4	1.8	-
30	SAR	366.63	202.57	45.73	35.47	1542.0	188.74	179.07	1225.2	21.7	310.0	422.43	228.26	-
31	Percent Sodium (%)	86.18	80.97	58.64	92.23	99.56	86.40	81.70	99.63	22.68	85.55	87.93	81.52	-
32	Arsenic(mg/l)	0.00137	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00014	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.15968	-	-	-	-	-	482.0	-	-	-	-	-	-
39	IronTotal(mg/l)	9.6659	-	-	-	-	-	129.54	-	-	-	-	-	-
40	Manganese (mg/l)	0.01921	-	-	-	-	-	203.0	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SINQUERIM, CANDOLIM SIDE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	30	28	29	30	29	29	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.2	5.3	5.0	7.2	4.5	4.9	5.6	5.1	4.0	6.1	8.8	4.9	4 mg/l or more
3	pH	7.72	7.75	7.81	7.68	7.74	7.92	7.61	7.52	7.7	7.7	7.93	7.75	6.5 - 8.5
4	Conductivity(µs/cm)	52170.0	53970.0	30890.0	6381.0	44020.0	50380.0	43730.0	43340.0	53900.0	50970.0	57440.0	52350.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.129	0.23	0.24	0.2	BDL	BDL	1.7	1.4	1.8	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.009	0.050	0.009	0.019	0.005	BDL	0.027	0.029	0.039	0.006	BDL	-
8	Total Coliform(MPN/100ml)	920	1300	2000	1100	2200	1300	2100	2300	1700	930	490	780	-
9	Fecal Coliform(MPN/100ml)	430	790	1400	490	1400	780	1100	1300	1100	450	330	450	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	320	340	230	260	230	230	220	200	92	170	210	-
11	Turbidity(NTU)	4.55	7.13	31.3	14.99	4.33	7.24	4.14	4.34	5.4	2.1	2.8	1.52	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	102.0	114.0	60.0	24.0	192.0	86.0	90.0	10.0	116.0	112.0	118.0	102.0	-
14	Chlorides(mg/l)	17869.5	16994.7	12719.5	1624.5	14995.4	16744.8	16744.8	16994.7	17744.5	16994.7	17744.5	17369.61	-
15	COD(mg/l)	-	-	-	10.0	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.80	1.12	2.8	0.56	1.12	1.12	1.12	1.68	1.68	1.12	0.56	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.07	BDL	0.05	BDL	0.10	BDL	BDL	BDL	0.24	BDL	-
18	Total Hardness(mg/l)	6800.0	7600.0	4400.0	600.0	5800.0	6600.0	4400.0	5600.0	6600.0	6600.0	9200.0	7000.0	-
19	Calcium(mg/l)	561.1	801.60	400.8	40.1	481.0	1202.4	400.8	160.3	721.4	561.1	1362.7	881.76	-
20	Magnesium(mg/l)	1312.2	1360.80	826.2	121.5	1117.8	874.8	826.2	1263.6	1166.4	1263.6	1409.40	1166.40	-
21	Sulphate(mg/l)	3135.4	2665.40	1303.1	162.99	718.40	1821.3	1798.2	511.9	829.4	1121.3	562.1	1094.75	-
22	Sodium(mg/l)	1319.0	10336.0	3650.0	1300.0	1901.2	5993.0	10325.0	1849.0	1950.0	1100.0	10118.0	11200.0	-
23	Total Dissolved Solids(mg/l)	32687.0	30223.0	17430.0	3892.0	25483.0	29220.0	25363.0	26004.0	34496.0	32621.0	32166.0	27542.0	-
24	Total Fixed Solids(mg/l)	10884.0	18133.0	14500.0	2529.0	8664.0	22007.0	16993.0	10402.0	20698.0	19573.0	19299.0	16527.0	-
25	Total Suspended Solids(mg/l)	9.0	14.0	114.0	27.0	10.0	22.0	12.0	7.0	18.0	8.0	8.0	9.0	-
26	Phosphate(mg/l)	BDL	0.07	0.063	0.053	0.05	0.04	0.05	0.02	0.03	0.04	BDL	0.02	-
27	Boron(mg/l)	0.9	1.329	0.64	1.13	-	-	0.6	2.3	1.1	1.0	1.3	0.9	-
28	Potassium(mg/l)	225.5	5168.0	800.0	585.0	1090.0	3015.0	750.0	634.2	950.0	450.0	1176.4	375.0	-
29	Flouride(mg/l)	1.0	1.444	0.65	0.59	0.90	1.2	1.1	1.07	0.9	1.0	1.85	1.7	-
30	SAR	43.10	314.34	128.0	144.6	67.24	185.96	416.85	69.30	63.50	36.42	271.77	349.99	-
31	Percent Sodium (%)	45.2	87.76	78.39	92.10	65.17	81.26	90.03	63.56	63.30	45.93	20.29	84.97	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00025	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.13266	-	-	-	-	-	154.80	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	192.95	-	-	-	-	-	-
40	Manganese (mg/l)	3.53327	-	-	-	-	-	185.42	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SINQUERIM, NEAR GANPATI TEMPLE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	28	29	30	28	29	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.7	4.3	5.1	6.7	4.8	4.5	5.3	5.2	4.2	6.1	7.4	5.5	4 mg/l or more
3	pH	7.94	7.82	7.77	7.57	7.75	7.95	7.72	7.54	7.7	7.6	8.02	7.98	6.5 - 8.5
4	Conductivity(µs/cm)	52550.0	54090.0	27700.0	6543.0	42130.0	49560.0	41530.0	44610.0	51170.0	51240.0	57620.0	53030.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.4	0.159	0.22	0.21	0.30	0.3	BDL	1.1	1.5	2.1	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.012	0.049	0.009	0.023	0.022	0.006	0.028	0.030	0.044	0.006	BDL	-
8	Total Coliform(MPN/100ml)	1600	1400	1700	940	3200	1100	1700	2100	1400	1100	780	1300	-
9	Fecal Coliform(MPN/100ml)	430	1100	1100	700	1700	680	780	920	780	680	450	780	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	240	330	230	270	220	240	200	170	120	200	200	-
11	Turbidity(NTU)	4.3	9.86	17.19	9.04	5.53	15.74	3.65	6.40	5.7	4.5	4.22	1.18	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	102.0	104.0	60.0	28.0	180.0	72.0	80.0	12.0	116.0	120.0	120.0	98.0	-
14	Chlorides(mg/l)	17744.5	17494.6	17122.4	1774.45	13995.66	16244.9	16244.9	17119.69	17244.7	17244.7	17244.7	17494.58	-
15	COD(mg/l)	-	-	-	8.0	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.20	0.56	2.8	2.80	1.12	1.68	1.12	12.0	1.12	1.68	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	0.24	BDL	BDL	BDL	BDL	BDL	0.09	-
18	Total Hardness(mg/l)	7400.0	9200.0	3600.0	600.0	6000.0	6800.0	4200.0	5800.0	7400.0	7400.0	8200.0	7200.0	-
19	Calcium(mg/l)	400.8	641.3	400.8	60.1	400.8	400.8	320.6	400.8	641.3	400.8	561.1	881.76	-
20	Magnesium(mg/l)	1555.2	1846.8	631.8	109.4	1215.0	1409.4	826.2	1166.4	1409.4	1555.2	1652.40	1215.00	-
21	Sulphate(mg/l)	3138.2	2049.2	1589.5	206.75	537.10	1814.3	1753.8	597.7	543.4	1569.8	554.8	1160.00	-
22	Sodium(mg/l)	1185.0	9650.0	5050.0	772.5	1636.0	5804.0	9850.0	1864.0	1900.0	1350.0	10237.1	11300.0	-
23	Total Dissolved Solids(mg/l)	34438.0	30290.0	15563.0	4030.0	23727.0	30231.0	24087.0	26766.0	32749.0	32794.0	32267.2	27947.0	-
24	Total Fixed Solids(mg/l)	11467.0	18174.0	12400.0	2659.0	8067.0	19045.0	16379.0	10706.0	19649.0	19676.0	19360.0	16770.0	-
25	Total Suspended Solids(mg/l)	8.0	18.0	91.0	24.0	12.0	32.0	14.0	10.0	15.0	10.0	10.0	9.0	-
26	Phosphate(mg/l)	BDL	0.07	0.044	0.067	0.060	0.23	0.05	0.08	0.03	0.04	0.03	0.02	-
27	Boron(mg/l)	0.9	1.348	0.62	1.38	-	-	0.5	1.4	1.5	1.1	1.3	1.3	-
28	Potassium(mg/l)	214.9	5825.0	850.0	381.0	962.8	2937.0	600.0	651.1	900.0	550.0	1285.6	200.0	-
29	Flouride(mg/l)	1.0	1.716	0.60	0.63	0.90	0.9	1.0	1.3	0.8	0.7	1.89	1.6	-
30	SAR	37.89	273.60	188.6	83.9	57.56	192.92	411.35	66.59	59.30	43.17	307.72	348.99	-
31	Percent Sodium (%)	41.7	86.2	85.10	87.19	61.66	82.84	90.11	61.61	57.7	49.27	83.89	84.58	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00054	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	6.70	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	5.56	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.03234	-	-	-	-	-	268.29	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	361.74	-	-	-	-	-	-
40	Manganese (mg/l)	4.49871	-	-	-	-	-	221.45	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SAL AT RUMDER, NUVEM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	29	29	29	28	30	30	30	29	30	31	-
2	Dissolved Oxygen(mg/l)	4.1	7.4	3.6	5.7	6.5	4.8	6.2	2.2	2.1	2.0	2.0	2.5	4 mg/l or more
3	pH	6.61	7.12	6.6	7.34	6.95	6.62	7.28	6.43	6.73	6.45	6.50	7.4	6.5 - 8.5
4	Conductivity(µs/cm)	121.7	54020	1118.4	232.1	151.10	211.2	110.0	260.2	112.4	116.50	134.6	195.0	-
5	BOD(mg/l)	2.3	BDL	4.3	BDL	BDL	BDL	BDL	4.0	5.6	4.3	6.8	4.0	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.34	BDL	0.8	0.737	0.6	0.2	0.59	0.4	0.2	BDL	0.3	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	0.006	0.027	0.053	0.01	0.006	0.006	0.027	0.006	BDL	0.009	BDL	-
8	Total Coliform(MPN/100ml)	540	1100	1700	1700	2300	2000	2200	1700	780	2200	1700	1300	-
9	Fecal Coliform(MPN/100ml)	350	780	940	490	1300	1100	790	780	450	1100	780	450	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	120	220	220	270	240	130	220	170	260	240	270	-
11	Turbidity(NTU)	18.8	6.17	12.2	40.4	9.42	10.54	8.66	3.33	14.88	5.32	12.19	1.8	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	30.0	30.0	28.0	98.0	26.0	22.0	26.0	32.0	36.0	36.0	44.0	58.0	-
14	Chlorides(mg/l)	13.00	10371.8	18.5	27.49	15.0	16.0	13.50	14.5	17.49	83.5	17.99	57.0	-
15	COD(mg/l)	14.0	-	18.0	6.0	4.0	12.0	4.0	20.0	20.0	18.0	18.0	18.0	-
16	Total Kjeldahl Nitrogen(mg/l)	5.60	0.56	1.12	1.68	0.56	2.24	0.56	1.12	1.12	0.56	2.24	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.15	0.198	BDL	1.94	0.15	0.09	0.13	BDL	0.85	0.13	-
18	Total Hardness(mg/l)	30.0	2000.0	46.0	18.0	30.0	70.0	34.0	26.0	40.0	70.0	40.0	52.0	-
19	Calcium(mg/l)	9.6	160.32	10.4	7.21	8.02	8.0	9.6	8.0	8.82	14.4	9.62	9.6	-
20	Magnesium(mg/l)	BDL	388.8	4.9	7.29	2.43	49.8	2.4	1.5	4.37	8.2	3.89	6.8	-
21	Sulphate(mg/l)	3.70	3926.4	9.7	25.33	6.75	6.8	7.58	9.1	9.44	8.3	14.86	12.0	-
22	Sodium(mg/l)	22.4	7200	205.5	13.4	42.8	243.6	10.6	69.0	11.2	10.8	4.2	36.4	-
23	Total Dissolved Solids(mg/l)	71.0	30791.0	76.0	129.0	86.0	127.0	64.0	161.0	68.0	72.0	85.0	125.0	-
24	Total Fixed Solids(mg/l)	48.0	18474.0	46.0	72.0	51.0	51.0	42.0	53.0	40.0	46.0	51.0	75.0	-
25	Total Suspended Solids(mg/l)	26.0	13.0	26.0	68.0	9.0	12.0	32.0	7.0	16.0	12.0	29.0	4.0	-
26	Phosphate(mg/l)	0.05	0.03	0.05	0.146	0.02	0.13	0.05	0.02	0.06	0.04	0.03	BDL	-
27	Boron(mg/l)	0.69	2.0	0.6	1.25	1.4	--	0.74	BDL	1.5	0.9	0.5	0.5	-
28	Potassium(mg/l)	0.4	3200	5.3	6.8	19.6	118.9	2.2	14	2.3	1.6	1.8	7.5	-
29	Flouride(mg/l)	BDL	0.3	0.3	BDL	BDL	BDL	BDL	0.4	BDL	BDL	BDL	BDL	-
30	SAR	9.5	432.52	74.35	4.98	18.72	45.32	0.4	31.79	4.36	3.21	1.62	12.70	-
31	Percent Sodium (%)	67.30	94.98	93.24	58.21	85.66	86.25	0.70	89.78	50.58	35.43	30.75	72.77	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.0077880	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.002371	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	1.44994	-	-	-	-	-	1.15319	-	-	-	-	-	-
40	Managanese (mg/l)	0.436544	-	-	-	-	-	0.14938	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SAL AT PAZORCONI, CUNCOLIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	30	27	27	28	28	28	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	5.7	8	6.6	5.9	6.4	8.0	6.7	7.6	5.8	6.7	6.1	4.0	4 mg/l or more
3	pH	6.98	6.86	6.7	6.73	6.78	6.92	6.81	6.38	6.46	6.62	7.83	7.72	6.5 - 8.5
4	Conductivity(µs/cm)	83.8	88.87	123.9	83.03	98.07	96.95	89.58	97.3	82.06	77.24	78.80	65.16	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.3	0.7	0.323	BDL	0.295	0.3	0.1	0.27	0.2	0.3	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.009	0.021	0.01	BDL	0.01	BDL	0.010	BDL	0.005	0.01	BDL	-
8	Total Coliform(MPN/100ml)	540	7000	3500	2600	2700	1300	2000	2400	1700	2200	2300	1400	-
9	Fecal Coliform(MPN/100ml)	280	2600	2400	1700	2200	790	1100	1700	1300	1300	1300	1100	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	170	460	350	220	280	110	240	320	270	270	240	240	-
11	Turbidity(NTU)	5.77	4.92	5.2	8.7	9.28	5.05	5.17	5.80	8.15	13.82	18.10	8.82	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	20.0	26.0	16.0	14.0	36.0	32.0	42.0	14.0	22.0	26.0	6.0	22.0	-
14	Chlorides(mg/l)	6.5	8.5	14.5	8	15.0	8.99	35.0	10.0	8.0	9.00	9.5	6.5	-
15	COD(mg/l)	6.0	4.0	6.0	4.0	12.0	4.0	12.0	4.0	4.0	10.00	6.0	10.0	-
16	Total Kjeldahl Nitrogen(mg/l)	4.5	0.56	0.56	1.12	1.68	0.56	0.56	1.12	0.56	2.24	1.1	1.7	-
17	Ammonia (mg/l)	0.11	BDL	0.08	BDL	BDL	0.21	BDL	0.07	BDL	BDL	BDL	0.06	-
18	Total Hardness(mg/l)	22.0	36.0	194.0	36.0	40.0	34.0	42.0	64.0	28.0	36.0	32.0	22.0	-
19	Calcium(mg/l)	7.2	10.42	36.1	5.6	4.81	8.82	6.41	8.02	4.0	4.81	4.8	4.0	-
20	Magnesium(mg/l)	BDL	2.43	25.3	5.3	6.80	2.17	6.32	10.69	4.4	5.83	4.9	3.0	-
21	Sulphate(mg/l)	2.41	6.7	16.6	6.6	8.29	7.12	6.28	6.69	6.14	7.89	5.1	3.3	-
22	Sodium(mg/l)	21.4	32.9	86.1	67.0	11.5	70.8	7.9	9.2	9.6	21.6	6.6	1.7	-
23	Total Dissolved Solids(mg/l)	49.0	50.0	79.0	49.0	62.0	54.0	57.0	58.0	48.0	41.0	47.0	39.0	-
24	Total Fixed Solids(mg/l)	33.0	30.0	47.0	20.0	37.0	32.0	34.0	33.0	33.0	24.0	19.0	16.0	-
25	Total Suspended Solids(mg/l)	6.0	15.0	9.0	12.0	12.0	8.0	6.0	7.0	25.0	19.0	15.0	12.0	-
26	Phosphate(mg/l)	0.115	BDL	0.04	BDL	BDL	0.02	BDL	0.06	1.89	0.06	BDL	BDL	-
27	Boron(mg/l)	1.08	0.8	0.6	BDL	BDL	--	--	1.1	0.28	1.8	BDL	BDL	-
28	Potassium(mg/l)	1.2	14.9	7.5	9.1	4.1	35.4	1.9	1.6	0.2	0.8	0.2	0.7	-
29	Flouride(mg/l)	0.25	BDL	0.3	0.1	BDL	1.327	BDL	BDL	BDL	0.2	0.4	BDL	-
30	SAR	10.6	12.98	15.55	28.63	4.77	30.2	3.13	3.01	4.7	9.36	3.0	0.9	-
31	Percent Sodium (%)	73.41	78.81	60.4	87.42	57.33	90.62	43.50	36.60	53.90	67.80	41.3	25.5	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.006601	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.04486	-	-	-	-	-	0.11529	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.528658	-	-	-	-	-	0.80286	-	-	-	-	-	-
40	Managanese (mg/l)	0.196464	-	-	-	-	-	0.14279	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SAL AT MOBOR														
Sr. No		Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	30	29	29	28	28	29	29	30	30	31	-
2	Dissolved Oxygen(mg/l)	6.8	6.8	5.0	6.3	4.9	6.6	4.9	7.7	5.9	6.5	6.3	4.3	4 mg/l or more
3	pH	8.44	7.99	7.73	7.15	7.81	7.95	7.93	7.8	8.06	7.77	7.95	8.09	6.5 - 8.5
4	Conductivity(µs/cm)	52750.0	44480.0	5300.0	1494.0	58620.0	47000.0	49790.0	48970.0	52210.0	49500.0	56740.0	51670.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.01	0.5	0.23	0.8	BDL	0.1	BDL	0.180	0.2	0.1	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.005	0.04	0.053	BDL	0.01	BDL	0.032	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	350	2400	2800	1400	2400	490	1300	1400	1700	780	700	680	-
9	Fecal Coliform(MPN/100ml)	220	1300	1100	700	1300	230	450	700	700	450	490	400	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	210	210	240	220	280	130	61	94	220	110	170	110	-
11	Turbidity(NTU)	11.97	6.83	22.8	30.5	4.58	2.32	2.22	2.7	4.27	3.27	3.92	6.31	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	12.0	BDL	6	10.0	BDL	BDL	-
13	Total Alkalinity(mg/l)	100.0	92.0	50.0	44.0	80.0	194.0	78.0	16.0	112.0	96.0	106.0	98.0	-
14	Chlorides(mg/l)	17619.5	16244.96	1574.51	949.7	14995.4	17744.49	16619.8	17244.7	16994.73	17369.6	18994.1	16869.8	-
15	COD(mg/l)	-	-	8.0	8.0	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.68	1.68	1.12	1.68	1.12	1.12	1.12	0.56	3.9	2.24	1.12	-
17	Ammonia (mg/l)	BDL	0.09	0.16	0.11	0.46	BDL	BDL	0.003	BDL	0.07	0.08	BDL	-
18	Total Hardness(mg/l)	6400.0	5400.0	700.0	164.0	8800.0	6200.0	5200.0	7400.0	6600.0	7800.0	6800.0	8000.0	-
19	Calcium(mg/l)	481.0	344.69	80.2	20.84	561.1	561.12	400.8	5.61	801.60	481.0	400.8	801.6	-
20	Magnesium(mg/l)	1263.6	1103.22	121.5	27.22	1798.2	1166.4	1020.6	1458.0	1117.80	1602.8	1409.4	1458.0	-
21	Sulphate(mg/l)	2332.7	3207.05	292.13	58.27	2720.3	1266.5	1589.5	574.0	686.40	1638.5	BDL	1957.5	-
22	Sodium(mg/l)	1207.0	2225.0	2235.0	76.4	2625.0	3700.0	2134.5	365.04	12700.0	1350.0	8950.0	12875.0	-
23	Total Dissolved Solids(mg/l)	31649.0	24084.0	3445.0	881.0	34069.0	26790.0	29874.0	27423.0	27486.0	32937.0	33105.0	30485.0	-
24	Total Fixed Solids(mg/l)	12659.0	14450.0	2342.0	528.0	11583.0	16074.0	11949.0	16453.0	16493.0	10977.0	23173.0	20729.0	-
25	Total Suspended Solids(mg/l)	16.0	14.0	48.0	34.0	12.0	3.0	4.0	6.0	6.0	6.0	15.0	15.0	-
26	Phosphate(mg/l)	0.06	0.02	0.34	0.22	0.03	0.03	0.02	0.371	0.02	BDL	0.05	BDL	-
27	Boron(mg/l)	0.2	1.5	1.83	1.5	--	--	1.8	1.31	0.8	1.2	1.62	0.5	-
28	Potassium(mg/l)	424.5	776.0	935.0	67.8	1900.0	900.0	884.5	433.4	2750.0	222.0	350.0	1025.0	-
29	Flouride(mg/l)	BDL	1.5	BDL	0.5	0.9	1.2	1.50	1.521	1.2	1.0	1.85	1.5	-
30	SAR	40.87	82.69	222.6	15.59	76.43	125.89	80.07	365.04	409.95	41.81	297.5	383.04	-
31	Percent Sodium (%)	48.3	67.45	200.0	75.0	65.73	72.70	67.99	87.57	88.95	42.9	83.71	86.02	-
32	Arsenic(mg/l)	0.00051	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000015	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.012480	-	-	-	-	-	0.052	-	-	-	-	-	-
39	IronTotal(mg/l)	1.79099	-	-	-	-	-	0.04974	-	-	-	-	-	-
40	Managanese (mg/l)	0.11838	-	-	-	-	-	0.04487	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER ZUARI AT PANCHAWADI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	29	28	29	29	30	30	30	31	31	31	-
2	Dissolved Oxygen(mg/l)	5.5	4.6	5.5	5.2	7.8	7.8	6.5	6.0	5.8	5.8	7.7	6.1	4 mg/l or more
3	pH	6.76	7.35	6.85	7.01	6.88	6.61	6.5	5.08	6.74	6.70	6.95	6.81	6.5 - 8.5
4	Conductivity(µs/cm)	21840.0	24210.0	1374.0	85.6	99.8	125.90	196.8	265.5	7546.0	9139.0	9297.0	8417.00	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	BDL	0.2	0.2	0.19	0.1	0.1	0.1	0.1	2.20	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.055	0.01	0.009	0.008	BDL	0.007	0.005	0.01	0.005	0.1	0.038	0.009	-
8	Total Coliform(MPN/100ml)	430	460	790	400	2300	3300	790	1300	1100	1700	1700	2100	-
9	Fecal Coliform(MPN/100ml)	350	230	330	270	1300	2600	490	450	450	700	780	1100	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	140	170	170	210	240	200	240	220	240	210	270	-
11	Turbidity(NTU)	5.73	5.34	6.77	30.2	10.77	11.96	9.1	9.14	10.42	19.6	10.62	6.61	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.0	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	136.0	42.0	30.0	16.0	34.0	30.0	14.0	26.0	40.0	40.0	42.0	40.0	-
14	Chlorides(mg/l)	7372.7	8872.25	409.9	16.99	16.34	24.0	26.5	56.98	2749.15	2899.1	2799.1	2524.22	-
15	COD(mg/l)	-	-	8	6	2.0	4.0	8.0	12.0	--	10.0	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	2.2	1.68	1.12	1.68	1.12	0.56	1.60	1.12	0.56	2.2	1.1	0.56	-
17	Ammonia (mg/l)	0.09	BDL	0.05	0.09	BDL	BDL	0.08	BDL	BDL	BDL	BDL	0.05	-
18	Total Hardness(mg/l)	2200.0	4400.0	70.0	22.0	20.0	30.0	38.0	50.0	596.0	18.0	1400.0	838.0	-
19	Calcium(mg/l)	160.3	641.28	11.22	4.81	4.0	5.6	7.2	8.82	62.52	2.4	80.01	65.73	-
20	Magnesium(mg/l)	437.4	680.4	10.21	2.43	2.4	3.8	4.9	6.80	106.92	2.9	291.6	163.78	-
21	Sulphate(mg/l)	689.3	881.3	51.7	8	BDL	6.2	12.0	7.43	25.74	242.2	0.7	245.63	-
22	Sodium(mg/l)	517.2	2800.0	53.4	91.1	57.8	13.9	50.0	25.3	1410.0	616.4	1500.0	350.0	-
23	Total Dissolved Solids(mg/l)	14098.0	15494.0	783.0	52.0	56.0	75.0	126.0	170.0	4358.0	5483.0	6159.0	5314.0	-
24	Total Fixed Solids(mg/l)	4699.0	9296.0	469.0	31.0	38.0	47.0	76.0	102.0	2612.0	2193.0	2052.0	3188.0	-
25	Total Suspended Solids(mg/l)	11.0	7.0	15.0	43.0	32.0	23.0	19.0	11.0	17.0	2193.0	25.0	17.0	-
26	Phosphate(mg/l)	0.02	BDL	0.02	BDL	BDL	0.03	0.02	BDL	0.05	0.02	0.03	0.02	-
27	Boron(mg/l)	0.9	1.84	1.3	1.1	0.46	--	0.7	BDL	1.1	0.5	0.3	1.3	-
28	Potassium(mg/l)	109.7	1600.0	38.4	42.3	36.4	7.1	1.6	11.3	280.0	318.0	175.0	80.0	-
29	Flouride(mg/l)	0.8	1.3	0.3	0.3	BDL	BDL	0.3	BDL	1.0	0.6	0.6	0.6	-
30	SAR	29.9	108.92	16.31	47.88	32.2	6.41	20.35	9.05	153.19	378.1	110.02	32.67	-
31	Percent Sodium (%)	51.2	76.90	81.07	94.85	93.60	69.08	81.02	70.09	90.89	99.4	81.84	65.20	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.006	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00548	-	-	-	-	-	0.00131	-	-	-	-	-	-
38	Zinc(mg/l)	0.052	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.38639	-	-	-	-	-	-
40	Managanese (mg/l)	0.04205	-	-	-	-	-	2.71	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER ZUARI AT CORTALIM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	30	30	30	28	29	29	30	29	30	30	-
2	Dissolved Oxygen(mg/l)	5.0	6.6	7.7	8.5	6.4	7.5	5.5	4.8	5.3	6.2	6.7	6.2	4 mg/l or more
3	pH	7.5	8.13	7	6.84	7.76	7.55	7.60	7.85	7.57	7.40	7.61	7.5	6.5 - 8.5
4	Conductivity(µs/cm)	46030.0	64300.0	26160.0	1496.0	13360.0	33330.0	19800	37620.0	46250.00	43870.0	52980.0	53860.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.7	0.1	0.4	0.355	0.2	5.4	BDL	0.7	0.1	0.1	0.2	0.9	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.034	0.051	0.01	0.041	0.008	0.159	0.006	0.119	0.122	0.037	0.037	0.036	-
8	Total Coliform(MPN/100ml)	920	700	1100	1700	7000	790	1400	1300	1100	700	450	490	-
9	Fecal Coliform(MPN/100ml)	540	490	790	700	3300	330	780	490	680	330	200	230	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	140	170	170	220	40	240	70	200	45	120	40	-
11	Turbidity(NTU)	3.8	6.06	23.9	191	7.23	8.81	8.29	7.19	30.80	5.62	19.80	3.1	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	102.0	100.0	42.0	28.0	32.0	70.0	76.0	94.0	108.0	96.0	104.0	102.0	-
14	Chlorides(mg/l)	16245.0	16869.8	8997.2	499.85	4248.68	15620.2	16494.9	17869.5	17619.54	15995.0	17494.58	14245.6	-
15	COD(mg/l)	-	-	-	6	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	0.56	0.56	0.56	1.12	0.56	3.36	1.68	1.68	0.56	0.56	-
17	Ammonia (mg/l)	BDL	0.1	0.07	0.09	BDL	0.78	0.11	0.15	BDL	BDL	BDL	0.06	-
18	Total Hardness(mg/l)	9000.0	8000.0	4400.0	100.0	2000.0	5000.0	5400.0	4600.0	8000.0	6400.0	6000.0	5200.0	-
19	Calcium(mg/l)	561.1	641.3	400.8	9.6	240.48	801.6	400.8	320.6	561.12	641.3	561.12	641.3	-
20	Magnesium(mg/l)	1846.8	1555.2	826.2	18.47	340.20	729.0	1069.2	923.4	1603.80	1166.4	1117.80	874.8	-
21	Sulphate(mg/l)	1891.4	2522.1	744.6	63.1	258.08	3292.9	458.8	1500.8	736.45	1639.2	1142.70	1464.5	-
22	Sodium(mg/l)	14150.0	8300	8250	58.9	1640	1914.2	6525.0	1001.0	6400.0	9300.0	12150.0	7450.0	-
23	Total Dissolved Solids(mg/l)	29459.0	42438.0	16472.0	837.0	8246.0	19998.0	12568.0	23379.0	26362.0	26760.0	27658.0	34470.0	-
24	Total Fixed Solids(mg/l)	17675.0	25462.0	10045.0	502.0	4945.0	7999.0	10496.0	7785.0	15817.0	18464.0	16594.0	20682.0	-
25	Total Suspended Solids(mg/l)	8.0	9.0	30.0	85.0	13.0	10.0	30.0	12.0	32.0	13.0	31.0	7.0	-
26	Phosphate(mg/l)	0.05	0.08	BDL	BDL	BDL	0.17	0.08	0.04	0.06	0.05	0.02	BDL	-
27	Boron(mg/l)	1.6	1.9	1.9	1.18	0.8	--	2.91	2.5	2.0	0.7	1.3	1.7	-
28	Potassium(mg/l)	1450.0	7200.0	1950.0	30.5	450.0	681.1	525.0	198.2	2725.0	600.0	600.0	550.0	-
29	Flouride(mg/l)	1.3	1.1	0.8	1.38	0.6	BDL	3.4	0.9	0.9	0.9	1.4	1.3	-
30	SAR	407.80	250.45	333.08	15.72	96.25	69.19	2554.8	40.14	194.52	309.34	419.35	270.59	-
31	Percent Sodium (%)	86.63	87.59	89.26	76.09	78.26	62.90	99.82	49.08	80.82	84.56	88.36	84.07	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01483	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00575	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.11943	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Managanese (mg/l)	0.79939	-	-	-	-	-	0.031	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SAL AT ORLIM BRIDGE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	31	28	28	28	28	29	31	30	30	31	-
2	Dissolved Oxygen(mg/l)	4.0	8.5	2.6	4.9	4.4	4.9	3.7	5.8	4.6	4.0	3.2	7.6	4 mg/l or more
3	pH	7.21	8.23	6.76	6.67	6.89	7.88	6.87	6.61	6.93	6.83	6.70	7.94	6.5 - 8.5
4	Conductivity(µs/cm)	31910.0	19860.0	883.4	38.3	772.7	441.8	1065.0	741.8	1416.0	21880.0	25710.0	24020.00	-
5	BOD(mg/l)	BDL	BDL	3.8	BDL	BDL	BDL	2.9	BDL	BDL	BDL	2.9	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.2	0.24	0.3	0.3	0.7	0.7	0.599	0.2	1.4	0.23	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	0.010	0.032	0.042	0.024	0.02	0.025	0.026	0.044	0.055	0.03	0.009	-
8	Total Coliform(MPN/100ml)	920	1400	2100	1400	1300	2200	2100	2300	1100	230	1100	490	-
9	Fecal Coliform(MPN/100ml)	350	790	1100	700	490	1700	1100	780	450	130	450	330	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	430	210	270	240	110	230	270	230	170	49	140	120	-
11	Turbidity(NTU)	6.43	10.2	11.06	2.71	5.59	3.08	2.79	2.98	4.7	5.44	8.12	7.43	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	74.0	76.0	32.0	32.0	34.0	162.0	42.0	10.0	72.0	78.0	80.0	78.0	-
14	Chlorides(mg/l)	14620.5	6248.06	349.89	95	199.93	98.96	949.7	172.4	5098.42	8122.5	8122.5	9497.1	-
15	COD(mg/l)	-	-	16.0	8.0	12.0	6.0	16.0	8.0	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.68	2.24	0.56	1.68	0.56	1.68	1.68	1.68	3.4	0.56	0.56	-
17	Ammonia (mg/l)	0.16	0.1	0.35	0.16	0.39	0.22	0.25	0.118	0.15	0.94	0.37	BDL	-
18	Total Hardness(mg/l)	4000.0	3400.0	108.0	62.0	118.0	82.0	10600.0	104.0	1640.0	3800.0	3600.0	4200.0	-
19	Calcium(mg/l)	400.8	561.12	18.4	11.22	16.8	12.82	2164.3	16.03	152.30	160.3	561.1	400.8	-
20	Magnesium(mg/l)	729.0	486	15.1	8.26	18.5	12.15	1263.6	15.070	306.2	826.2	534.6	777.6	-
21	Sulphate(mg/l)	2031.5	960.11	46.94	18.29	80.4	40.83	43.1	22.46	171.60	1426.2	BDL	1051.3	-
22	Sodium(mg/l)	729.6	800.0	90.2	36.9	30.1	10.5	834.2	7.66	3200.0	772.4	325.0	5850.0	-
23	Total Dissolved Solids(mg/l)	19146.0	11472.0	521.0	22.0	456.0	282.0	639.0	415.0	881.0	14585.0	15168.0	14652.0	-
24	Total Fixed Solids(mg/l)	7658.0	6883.0	359.0	13.0	155.0	169.0	256.0	249.0	529.0	4856.0	10617.0	9230.0	-
25	Total Suspended Solids(mg/l)	10.0	13.0	24.0	5.0	15.0	4.0	5.0	5.0	9.0	10.0	26.0	15.0	-
26	Phosphate(mg/l)	0.09	0.12	0.38	0.08	0.03	0.02	0.07	0.115	0.03	0.03	0.11	0.06	-
27	Boron(mg/l)	0.3	1.4	0.40	1.1	--	--	BDL	0.98	0.9	1.0	0.98	0.3	-
28	Potassium(mg/l)	350.7	325.0	21.4	0.0	10.0	2.9	312.8	2.1	1075.0	126.8	175.0	525.0	-
29	Flouride(mg/l)	BDL	0.6	BDL	0.5	BDL	0.3	0.3	BDL	0.5	0.6	1.04	0.7	-
30	SAR	30.70	34.96	22.0	11.82	7.16	2.97	20.15	7.66	211.35	34.78	13.9	241.00	-
31	Percent Sodium (%)	48.9	51.79	76.91	77.08	53.16	34.92	25.07	50.95	90.31	47.66	31.33	84.40	-
32	Arsenic(mg/l)	0.0003	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00004	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.02114	-	-	-	-	-	0.0176	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	0.1626	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.00297	-	-	-	-	-	0.12535	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	1.346	-	-	-	-	-	-
40	Managanese (mg/l)	0.11708	-	-	-	-	-	0.20252	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER SAL AT KHAREBAND, MARGAO														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	29	30	28	29	28	28	29	29	29	30	31	-
2	Dissolved Oxygen(mg/l)	BDL	BDL	2.4	4.6	4.1	5.5	3.0	4.2	4.1	1.1	1.9	BDL	4 mg/l or more
3	pH	6.54	6.59	6.67	6.85	6.69	6.56	6.59	7.0	6.88	7.34	6.89	6.66	6.5 - 8.5
4	Conductivity(µs/cm)	227.7	215.5	152.6	183.7	162.3	158.4	154.5	163.1	340.7	221.8	211.5	303.80	-
5	BOD(mg/l)	5.6	4.8	3.8	BDL	BDL	BDL	4.3	BDL	BDL	4.4	4.4	5.6	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	7.3	0.1	0.36	0.5	0.5	0.020	0.6	0.641	BDL	3.3	0.15	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.205	0.077	0.035	0.047	0.020	1.09	0.019	0.025	0.202	0.204	0.03	0.012	-
8	Total Coliform(MPN/100ml)	540	540X10 ²	33X10 ²	1700	3300	7000	220x10 ¹	350x10 ¹	280x10 ¹	3300	350x10 ¹	2300	-
9	Fecal Coliform(MPN/100ml)	280	170X10 ²	23X10 ²	1300	2300	4900	170x10 ¹	170x10 ¹	170x10 ¹	2300	130x10 ¹	1300	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	210	400	490	350	330	490	540	490	460	490	490	270	-
11	Turbidity(NTU)	11.37	13.57	14.41	20	10.13	5.96	7.54	5.83	19.70	10.54	9.44	13.90	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	30.0	52.0	28.0	28.0	30.0	48.0	32.0	10.0	50.0	82.0	48.0	78.0	-
14	Chlorides(mg/l)	27.5	29.49	21.49	25	16.49	35.48	17.49	18.99	29.99	31.0	27.50	38.5	-
15	COD(mg/l)	20.0	16.0	24.0	6.0	12.0	4.0	18.0	8.0	8.0	20.0	20.0	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	2.24	0.56	0.56	1.12	0.56	2.24	1.12	2.24	3.4	1.12	2.24	-
17	Ammonia (mg/l)	1.321	1.14	0.2	BDL	0.20	0.05	0.33	0.152	0.47	1.20	BDL	2.83	-
18	Total Hardness(mg/l)	46.0	82.0	48.0	38.0	48.0	70.0	22.0	42.0	56.0	42.0	58.0	56.0	-
19	Calcium(mg/l)	12.83	12.83	10.4	13.63	11.2	17.63	8.0	12.8	12.83	10.4	15.2	12.0	-
20	Magnesium(mg/l)	3.402	12.15	5.3	BDL	4.9	6.31	BDL	2.430	5.83	3.9	4.9	6.3	-
21	Sulphate(mg/l)	14.46	11.84	20.08	14.28	8.8	7.27	10.5	10.14	4.20	12.4	BDL	27.0	-
22	Sodium(mg/l)	18.3	28.2	37.0	48.7	69.5	18.3	37.0	7.32	17.7	56.1	57.5	36.5	-
23	Total Dissolved Solids(mg/l)	137.0	130.0	99.0	111.0	93.0	101.0	93.0	91.0	221.0	147.0	121.0	179.0	-
24	Total Fixed Solids(mg/l)	55.0	79.0	69.0	66.0	32.0	60.0	37.0	54.0	130.0	49.0	83.0	110.0	-
25	Total Suspended Solids(mg/l)	20.0	21.0	31.0	26.0	22.0	7.0	10.0	11.0	21.0	19.0	33.0	28.0	-
26	Phosphate(mg/l)	0.255	0.39	0.305	0.09	0.05	0.02	0.120	0.355	0.06	0.08	0.16	0.91	-
27	Boron(mg/l)	0.262	0.8	0.35	0.2	--	--	0.6	0.76	1.1	0.3	0.35	1.1	-
28	Potassium(mg/l)	5.3	6.4	19.3	35.1	50.5	9.5	8.0	1.3	3.9	12.9	2.6	6.5	-
29	Flouride(mg/l)	BDL	BDL	BDL	0.40	BDL	BDL	0.4	0.294	BDL	0.1	BDL	0.2	-
30	SAR	6.42	7.98	13.2	18.02	24.51	5.29	17.95	7.32	5.79	20.97	18.1	12.07	-
31	Percent Sodium (%)	59.25	58.07	78.12	85.16	88.18	53.73	84	58.54	53.65	82.83	74.95	70.15	-
32	Arsenic(mg/l)	0.00086	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000170	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00065	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00113	-	-	-	-	-	-
38	Zinc(mg/l)	0.011340	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.26004	-	-	-	-	-	2.06347	-	-	-	-	-	-
40	Managanese (mg/l)	0.85866	-	-	-	-	-	0.11676	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER ZUARI AT MADKAI JETTY														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	29	29	28	29	30	29	30	30	31	31	30	-
2	Dissolved Oxygen(mg/l)	3.8	6.4	7.7	6.6	7.0	4.5	6.5	6.6	4.3	5.7	6.0	4.7	4 mg/l or more
3	pH	7.54	7.77	8.2	6.73	7.54	7.91	7.67	7.29	7.29	7.5	7.34	7.39	6.5 - 8.5
4	Conductivity(µs/cm)	47000.0	49080.0	13130.0	859.7	23820.0	39660.0	41250.0	35700.0	45450.00	46360.0	53290.0	46050.0	-
5	BOD(mg/l)	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	0.4	BDL	0.2	0.4	BDL	0.3	0.3	2.7	0.1	0.167	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.04	0.031	0.015	0.02	0.014	0.012	0.006	0.112	0.134	0.100	0.046	0.04	-
8	Total Coliform(MPN/100ml)	1600	1100	1400	1700	2200	1300	1300	1100	780	680	630	330	-
9	Fecal Coliform(MPN/100ml)	920	700	790	700	700	490	780	450	200	200	330	170	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	320	350	220	240	230	260	200	110	40	170	150	-
11	Turbidity(NTU)	21.8	8.73	16.37	4.34	7.98	15.3	6.97	15.50	12.68	9.08	14.52	8.66	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	92.0	96.0	32.0	18.0	102.0	78.0	84.0	14.0	98.0	88.0	112.0	102.0	-
14	Chlorides(mg/l)	17369.6	16244.9	5248.4	114.0	8997.21	15745.1	16994.7	12995.97	17244.65	16619.8	17369.6	15745.1	-
15	COD(mg/l)	-	-	-	4	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	1.12	1.12	0.56	0.56	2.24	0.56	1.12	1.68	1.12	1.68	0.56	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	0.06	0.19	0.096	0.12	0.09	0.1	BDL	BDL	-
18	Total Hardness(mg/l)	6500.0	9800.0	4200.0	54.0	8800.0	5800.0	8400.0	5800.0	8200.0	7200.0	7200.0	7800.0	-
19	Calcium(mg/l)	801.6	801.6	480.96	7.21	480.96	961.9	400.8	561.12	641.28	400.8	641.3	881.76	-
20	Magnesium(mg/l)	1093.5	1895.4	729.0	8.7	1846.80	826.2	1798.2	1069.20	1603.80	1506.6	1360.8	1360.80	-
21	Sulphate(mg/l)	2787.99	2994.97	171.84	17.91	209.25	789.7	3492.8	632.80	593.45	675.7	2248.8	4371.8	-
22	Sodium(mg/l)	1445.0	8359.6	5600.0	18.2	910.0	1938.8	10321.7	12350.0	1890.0	2134.2	10125.0	9600.2	-
23	Total Dissolved Solids(mg/l)	35056.0	27484.0	7221.0	550.0	13672.0	23796.0	23100.0	19468.0	26815.0	27816.0	30908.0	25788.0	-
24	Total Fixed Solids(mg/l)	22792.0	16490.0	4332.0	330.0	8207.0	9518.0	13860.0	11681.0	16089.0	11126.0	18545.0	15472.0	-
25	Total Suspended Solids(mg/l)	42.0	16.0	27.0	8.0	14.0	20.0	10.0	22.0	15.0	15.0	29.0	15.0	-
26	Phosphate(mg/l)	0.06	0.04	0.07	0.04	0.07	0.07	0.03	0.30	0.13	BDL	0.03	0.02	-
27	Boron(mg/l)	0.81	1.652	1.1	0.68	0.5	--	0.81	1.8	1.7	0.231	0.4	1.7	-
28	Potassium(mg/l)	295.4	4179.8	3200.0	9.7	630.0	509.5	753.5	1070.0	780.0	836.0	540.0	1300.0	-
29	Flouride(mg/l)	1.45	1.494	0.6	0.3	0.5	0.6	1.51	0.8	0.9	0.3	1.9	1.31	-
30	SAR	46.9	227.65	227.68	6.4	26.67	64.84	311.28	432.56	56.41	69.1	320.01	286.7	-
31	Percent Sodium (%)	47.87	82.3	87.91	63.61	39.82	57.79	83.43	89.17	54.32	60.9	84.19	82.94	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000140	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	0.00665	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00342	-	-	-	-	-	-
38	Zinc(mg/l)	0.006290	-	-	-	-	-	0.24077	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	1.48143	-	-	-	-	-	-
40	Managanese (mg/l)	0.0903	-	-	-	-	-	0.10241	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RIVER ZUARI AT BORIM BRIDGE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	28	28	28	28	29	28	29	30	30	30	-
2	Dissolved Oxygen(mg/l)	4.0	5.4	4.3	7.5	7.4	6.7	7.0	5.9	6.3	7.3	5.3	5.8	4 mg/l or more
3	pH	7.73	7.36	6.48	6.97	6.85	7.02	6.6	6.82	7.06	7.52	6.79	7.26	6.5 - 8.5
4	Conductivity(µs/cm)	38380.0	38480.0	16820.0	512.3	499.3	10040.0	176.6	11400.0	22650.0	22200.00	24690.00	22110.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	BDL	0.4	0.3	0.13	0.1	0.1	0.1	0.2	0.21	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.081	0.01	0.052	0.007	BDL	BDL	0.005	BDL	0.006	0.009	0.1	0.016	-
8	Total Coliform(MPN/100ml)	920	1400	1700	1100	1700	2100	780	1400	780	780	490	780	-
9	Fecal Coliform(MPN/100ml)	540	1100	940	780	1300	1400	450	490	450	450	330	450	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	220	330	270	170	130	140	110	220	170	200	140	170	-
11	Turbidity(NTU)	4.79	5.04	5.63	6.37	10.33	1.93	9.1	4.10	7.66	9.49	3.95	5.93	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.0	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	34.0	90.0	60.0	24.0	36.0	36.0	12.0	50.0	54.0	58.0	132.0	54.0	-
14	Chlorides(mg/l)	15370.2	15620.16	6248.06	142.96	122.81	3398.9	47.5	4398.64	8747.29	8372.4	8872.2	8747.29	-
15	COD(mg/l)	-	-	-	6	10.0	--	6.0	--	--	4.0	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	2.8	1.12	0.56	1.12	1.68	1.12	1.68	0.56	1.12	1.68	1.1	1.68	-
17	Ammonia (mg/l)	0.09	BDL	BDL	BDL	BDL	0.06	0.11	BDL	BDL	BDL	0.217	0.12	-
18	Total Hardness(mg/l)	5000.0	4600.0	4800.0	58.0	54.0	860.0	26.0	1300.0	5400.0	3400.0	1200.0	2460.0	-
19	Calcium(mg/l)	400.8	480.96	641.28	9.62	5.6	72.1	8.0	96.19	480.96	481.0	160.3	184.37	-
20	Magnesium(mg/l)	972.0	826.2	777.6	8.3	9.7	165.2	1.5	257.58	1020.60	534.6	797.0	486.00	-
21	Sulphate(mg/l)	1294.5	1081.92	494.04	18.15	BDL	241.9	3.6	5200.0	128.70	251.2	271.6	876.38	-
22	Sodium(mg/l)	874.4	1500.0	6800.0	86.5	63.2	1059.0	62.0	311.13	3925.0	1523.0	4825.0	420.0	-
23	Total Dissolved Solids(mg/l)	25532.0	24627.0	9587.0	319.0	289.0	5823.0	113.0	7296.0	15094.0	13320.0	14814.0	13549.0	-
24	Total Fixed Solids(mg/l)	8507.0	14776.0	552.0	190.0	202.0	3901.0	68.0	4377.0	9052.0	5328.0	5926.0	8127.0	-
25	Total Suspended Solids(mg/l)	23.0	8.0	11.0	7.0	29.0	5.0	17.0	5.0	9.0	5328.0	7.0	11.0	-
26	Phosphate(mg/l)	BDL	0.02	0.36	0.02	BDL	0.02	BDL	BDL	0.16	BDL	BDL	0.03	-
27	Boron(mg/l)	0.9	0.79	1.1	1.3	0.45	--	0.6	BDL	1.6	0.8	BDL	1.2	-
28	Potassium(mg/l)	172.4	756.0	4800.0	52.5	35.8	532.0	1.5	2950.0	775.0	486.0	7.5	100.0	-
29	Flouride(mg/l)	1.0	0.9	0.6	0.5	BDL	0.7	0.3	0.4	1.3	0.8	1.3	1.3	-
30	SAR	33.4	58.67	255.30	28.93	22.8	97.22	28.49	390.98	143.25	67.5	362.3	22.94	-
31	Percent Sodium (%)	43.3	63.31	89.10	88.60	86.59	87.02	87.01	95.84	75.79	66.4	93.3	43.68	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01133	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00298	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.10165	-	-	-	-	-	0.3665	-	-	-	-	-	-
40	Managanese (mg/l)	0.02071	-	-	-	-	-	0.16776	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

TIRACOL BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	30	28	28	28	28	28	31	30	31	31	-
2	Dissolved Oxygen(mg/l)	7.2	8.5	7.3	7.2	6.3	7.0	7.2	6.5	6.2	7.3	6.8	7.1	4 mg/l or more
3	pH	7.8	8.25	8.08	7.78	7.74	7.95	8.1	7.99	7.7	7.98	8.12	8.10	6.5 - 8.5
4	Conductivity(µs/cm)	52450.0	53960.0	63330.0	31610.0	7793.0	48400.00	28050.0	48010.0	52980.0	50960.0	58720.0	50290.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	0.5	0.6	0.4	BDL	0.1	BDL	BDL	0.1	BDL	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.009	BDL	0.009	0.012	0.006	0.005	BDL	0.005	BDL	0.012	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	220	540	49	33	140	13	350	49	46	94	130	-
9	Fecal Coliform(MPN/100ml)	<1.8	94	130	23	23	79	7.8	130	33	17	46	79	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	39	40	6.8	4.5	27	4.5	34	7.8	7.8	22	17	-
11	Turbidity(NTU)	4.3	7.14	34.30	19.52	6.2	8.13	4.19	11.82	4.53	5.17	6.31	5.57	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	12.0	12.0	8.0	BDL	BDL	BDL	6.0	BDL	BDL	16.0	10.0	16.0	-
13	Total Alkalinity(mg/l)	96.0	86.0	66.0	58.0	46.0	188.0	88.0	112.0	110.0	100.0	90.0	84.0	-
14	Chlorides(mg/l)	17744.5	17744.5	17244.7	12746.0	3498.92	17744.67	17994.0	19744.0	16994.7	17369.6	17619.54	17369.6	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	3.36	3.9	0.56	0.56	0.56	1.12	3.4	1.12	1.12	1.7	-
17	Ammonia (mg/l)	0.05	BDL	BDL	0.04	BDL	BDL	BDL	BDL	0.07	BDL	BDL	0.05	-
18	Total Hardness(mg/l)	10400.0	8600.0	6800.0	4000.0	2400.0	6800.0	6400.0	9000.0	7400.0	7400.0	6200.0	7400.0	-
19	Calcium(mg/l)	561.1	721.44	481.0	160.0	320.6	480.96	1282.56	400.8	481.0	480.9	721.4	721.40	-
20	Magnesium(mg/l)	2187.0	1652.4	1360.8	874.8	388.8	2309.50	777.60	1944.0	1506.6	1506.6	1069.20	1360.8	-
21	Sulphate(mg/l)	2325.7	4076.89	1315.4	1759.6	948.6	2309.50	5224.40	1701.0	1767.5	2003.4	1562.28	1522.5	-
22	Sodium(mg/l)	9300.0	5450.0	3094.0	2640.0	9675.0	4175.0	6725.0	6600.0	3120.0	11800.0	13175.0	7600.0	-
23	Total Dissolved Solids(mg/l)	33568.0	28648.0	41965.0	19710.0	4364.0	26478.0	17391.0	34087.0	33141.0	30066.0	30172.0	33493.0	-
24	Total Fixed Solids(mg/l)	20141.0	17080.0	13848.0	6567.0	2618.0	15882.0	10434.0	23179.0	11046.0	20745.0	18103.0	11153.0	-
25	Total Suspended Solids(mg/l)	8.0	13.0	49.0	25.0	10.0	8.0	8.0	45.0	10.0	13.0	15.0	11.0	-
26	Phosphate(mg/l)	BDL	0.29	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.03	BDL	-
27	Boron(mg/l)	1.9	1.4	1.0	0.7	0.692	-	-	0.38	1.8	1.4	1.3	0.9	-
28	Potassium(mg/l)	1550.0	2150.0	267.7	194.3	4837.5	1525.0	625.0	150.0	1428.0	1050.0	550.0	500.0	-
29	Flouride(mg/l)	1.3	1.6	1.3	0.7	0.589	1.1	1.7	1.65	0.9	0.9	1.5	1.7	-
30	SAR	250.89	158.19	101.96	116.05	513.71	137.58	209.54	4182.6	74.91	374.32	440.31	235.54	-
31	Percent Sodium (%)	79.79	76.20	64.60	73.25	95.34	75.58	78.11	99.93	56.72	86.60	88.46	79.55	-
32	Arsenic(mg/l)	0.00357	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00058	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00962	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.01648	-	-	-	-	-	125.0	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.01893	-	-	-	-	-	11.34	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MIRAMAR BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	28	28	27	29	30	29	28	29	31	31	-
2	Dissolved Oxygen(mg/l)	6.9	6.1	5.8	7.5	5.4	8.5	6.6	6.1	6.5	7.3	7.2	6.4	4 mg/l or more
3	pH	8.3	8.23	8.03	7.91	7.88	7.06	7.93	7.79	8.07	7.85	7.84	7.99	6.5 - 8.5
4	Conductivity(µs/cm)	60070.0	52630.0	39980.0	19100.0	13910.0	45280.0	50860.0	48090.0	51650.0	49970.0	50210.0	57470.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	BDL	0.2	0.275	0.3	0.4	BDL	1.4	BDL	BDL	0.2	0.2	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.01	0.013	0.006	0.008	BDL	BDL	0.041	0.005	BDL	BDL	0.007	-
8	Total Coliform(MPN/100ml)	79	47	540	540	540	280	350	540	540	240	130	79	-
9	Fecal Coliform(MPN/100ml)	63	39	140	140	170	140	130	170	170	130	79	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	48	11	94	79	79	79	39	49	40	40	46	23	-
11	Turbidity(NTU)	8.7	5.44	6.15	14.19	21.40	7.60	2.94	14.45	40.03	5.02	9.22	10.05	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	14.0	BDL	BDL	BDL	BDL	12.0	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	112.0	100.0	82.0	50.0	80.0	74.0	10.0	114.0	108.0	116.0	122.0	96.0	-
14	Chlorides(mg/l)	17744.5	17994.42	17244.65	13620.0	3998.8	17244.65	17744.5	17369.61	17619.5	17869.46	16744.81	17494.6	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	1.12	0.56	1.68	2.24	1.68	1.68	2.2	2.24	1.12	1.7	-
17	Ammonia (mg/l)	BDL	0.05	0.15	0.08	BDL	0.73	BDL	0.132	0.15	BDL	BDL	0.295	-
18	Total Hardness(mg/l)	6400.0	8400.0	6000.0	3200.0	2400.0	7000.0	7600.0	7000.0	9000.0	9600.0	7600.0	8200.0	-
19	Calcium(mg/l)	641.3	801.60	641.28	320.6	320.64	881.76	561.1	1282.6	320.6	1042.08	1202.40	801.6	-
20	Magnesium(mg/l)	1166.4	1458.0	1069.20	583.2	388.80	1166.40	1506.6	923.4	1992.6	1701.00	1117.80	1506.6	-
21	Sulphate(mg/l)	1036.7	3080.95	1403.66	722.13	111.60	1639.00	1527.4	895.2	613.0	941.85	776.45	841.0	-
22	Sodium(mg/l)	13050.0	9550.0	8600.0	389.93	5200.0	6450.0	2341.3	2081.3	2536.0	7500.0	11275.0	15240.0	-
23	Total Dissolved Solids(mg/l)	38445.0	29999.0	24787.0	10696.0	8902.0	25679.0	30516.0	28854.0	30990.0	28482.0	26154.0	34482.0	-
24	Total Fixed Solids(mg/l)	23067.0	17999.0	14872.0	6417.0	5341.0	15410.0	12206.0	11542.0	12396.0	17089.0	15691.0	13793.0	-
25	Total Suspended Solids(mg/l)	15.0	8.0	14.0	20.0	28.0	11.0	6.0	11542.0	3.0	8.0	13.0	24.0	-
26	Phosphate(mg/l)	0.03	0.02	0.03	BDL	0.05	0.04	BDL	0.05	0.04	1.15	0.02	BDL	-
27	Boron(mg/l)	1.4	1.45	1.0	1.249	0.8	-	2.0	1.2	0.8	2.0	1.5	1.4	-
28	Potassium(mg/l)	5100.0	550.0	6200.0	4144.6	3600.0	1425.0	831.2	643.8	724.0	2500.0	525.0	140.0	-
29	Flouride(mg/l)	0.4	BDL	1.8	0.78	BDL	1.10	BDL	0.9	1.2	0.7	1.5	1.8	-
30	SAR	434.07	284.12	294.07	389.93	27.10	201.55	72.8	62.7	74.6	202.51	331.03	448.6	-
31	Percent Sodium (%)	90.94	81.72	89.64	93.22	92.54	76.36	60.5	55.26	58.5	78.47	83.57	87.0	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00811	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00567	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.00362	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00161	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	72.61	-	-	-	-	-	-
39	IronTotal(mg/l)	0.38763	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.03071	-	-	-	-	-	113.18	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

CALANGUTE BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	29	28	30	29	30	30	30	29	30	-
2	Dissolved Oxygen(mg/l)	6.8	5.6	6.7	6.9	7.4	7.2	8.1	7.5	7.6	5.7	8.4	6.4	4 mg/l or more
3	pH	8.34	8.21	7.96	7.85	7.98	8.10	7.78	7.98	7.9	7.6	8.15	8.17	6.5 - 8.5
4	Conductivity(µs/cm)	42450.0	55230.0	44970.0	38500.0	47240.0	58480.0	50570.0	49820.00	53240.0	51090.0	58490.0	52180.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.139	0.13	0.23	0.60	0.1	BDL	1.5	0.2	0.6	0.14	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.010	0.052	0.018	0.019	BDL	BDL	0.045	0.007	0.016	0.008	BDL	-
8	Total Coliform(MPN/100ml)	110	540	920	350	350	240	350	540	350	220	240	350	-
9	Fecal Coliform(MPN/100ml)	94	110	170	79	110	79	140	170	130	94	79	170	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	70	27	34	33	49	46	79	47	110	49	39	33	-
11	Turbidity(NTU)	6.03	1.96	37.8	21.0	7.39	4.45	4.26	8.07	4.0	1.5	3.16	1.64	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	4.0	18.0	BDL	BDL	BDL	14.0	10.0	BDL	8.0	0.3	BDL	24.0	-
13	Total Alkalinity(mg/l)	102.0	94.0	78.0	48.0	198.0	94.0	84.0	14.0	114.0	110.0	126.0	86.0	-
14	Chlorides(mg/l)	16494.9	17744.5	18956.9	10371.8	16744.8	17744.5	17494.6	17494.6	17494.6	17244.7	17244.7	17744.50	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	3.40	0.56	3.9	0.56	1.68	BDL	1.12	1.12	0.56	1.1	0.56	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.06	BDL	0.08	1.12	BDL	BDL	BDL	BDL	0.05	BDL	-
18	Total Hardness(mg/l)	8200.0	7400.0	6800.0	4500.0	7400.0	7400.0	6400.0	9400.0	6600.0	7200.0	8600.0	7800.0	-
19	Calcium(mg/l)	561.1	881.8	400.8	400.8	641.3	721.4	641.3	320.6	561.1	561.1	881.8	801.60	-
20	Magnesium(mg/l)	1652.4	1263.6	1409.4	850.5	1409.4	1360.8	1166.4	2089.8	1263.6	1409.4	1555.20	1409.40	-
21	Sulphate(mg/l)	3412.8	2034.9	2813.9	1349.36	551.0	2000.4	2146.0	1201.2	700.7	1764.1	693.5	1232.50	-
22	Sodium(mg/l)	1336.0	9850.8	5750.0	10950.0	1956.5	6495.0	11600.0	2079.0	2600.0	3050.0	12387.4	12650.0	-
23	Total Dissolved Solids(mg/l)	26529.0	30928.0	25029.0	25025.0	27876.0	33918.0	29330.0	29892.0	34074.0	32698.0	32754.0	27648.0	-
24	Total Fixed Solids(mg/l)	8834.0	18556.0	23010.0	17267.0	9477.0	22725.0	21117.0	11957.0	20444.0	19619.0	19652.0	16586.0	-
25	Total Suspended Solids(mg/l)	12.0	4.0	181.0	72.0	16.0	14.0	19.0	15.0	11.0	5.0	8.0	9.0	-
26	Phosphate(mg/l)	BDL	0.07	0.129	0.23	0.05	0.04	0.06	0.03	BDL	0.04	BDL	0.04	-
27	Boron(mg/l)	0.9	1.372	0.37	1.79	-	-	1.0	0.8	1.8	1.6	1.3	1.3	-
28	Potassium(mg/l)	231.2	4925.4	600.0	5475.0	1203.1	3308.0	725.0	818.0	1250.0	1400.0	1121.4	375.0	-
29	Flouride(mg/l)	1.0	1.426	0.74	1.74	0.9	1.1	1.1	1.4	1.0	0.8	1.94	1.6	-
30	SAR	40.16	300.77	172.9	437.8	61.10	201.29	385.84	59.89	86.1	97.17	35.87	380.46	-
31	Percent Sodium (%)	41.5	87.32	77.82	92.92	60.64	82.48	87.21	54.58	67.8	69.31	84.72	85.49	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00039	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.0953	-	-	-	-	-	11.79	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.01659	-	-	-	-	-	9.240	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	1.08	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	376.27	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	464.59	-	-	-	-	-	-
40	Manganese (mg/l)	4.4316	-	-	-	-	-	107.33	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MORJIM BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	30	28	28	28	29	28	29	29	30	31	-
2	Dissolved Oxygen(mg/l)	7.7	8.4	6.1	7.2	8.7	6.7	6.7	7.2	6.7	7.0	6.8	7.1	4 mg/l or more
3	pH	8.3	8.21	8.52	7.66	7.91	8.04	8.10	8.34	7.72	7.87	8.18	8.03	6.5 - 8.5
4	Conductivity(µs/cm)	54030.0	46700.0	41450.0	14800.0	40280.0	48370.0	27800.0	496.30	53030.0	51700.0	58350.0	51350.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.3	1.0	0.5	0.115	0.1	BDL	BDL	0.9	BDL	0.1	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.009	0.005	BDL	0.005	0.005	0.03	0.028	0.01	BDL	0.007	-
8	Total Coliform(MPN/100ml)	<1.8	33	920	170	350	110	130	33	33	70	240	130	-
9	Fecal Coliform(MPN/100ml)	<1.8	23	140	94	110	70	79	13	23	46	79	79	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	17	27	46	49	34	47	11	4.5	23	32	23	-
11	Turbidity(NTU)	3.5	7.02	7.21	21.30	19.10	3.17	4.33	14.86	4.37	6.51	3.64	3.79	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	12.0	12.0	12	BDL	BDL	BDL	24.0	6.0	4.0	14.0	14.0	18.0	-
13	Total Alkalinity(mg/l)	94.0	82.0	44.0	38.0	82.0	178.0	100.0	166.0	106.0	102.0	96.0	86.0	-
14	Chlorides(mg/l)	17494.7	16744.81	12746.0	5623.3	17494.60	17744.50	17244.6	18994.1	17244.7	17619.5	17994.42	17619.5	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	2.80	2.8	1.12	0.56	1.68	3.92	2.8	1.12	0.56	3.4	-
17	Ammonia (mg/l)	0.06	BDL	0.12	0.03	0.166	0.10	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6200.0	8600.0	5600.0	1600.0	8200.0	7000.0	5600.0	8000.0	7200.0	7800.0	7200.0	6600.0	-
19	Calcium(mg/l)	641.3	881.76	320.6	160.32	641.30	480.96	801.60	601.2	641.3	641.3	801.60	721.4	-
20	Magnesium(mg/l)	1117.8	1555.20	1166.4	291.6	1603.8	1409.40	874.80	1579.5	1360.8	1506.6	1263.60	1166.4	-
21	Sulphate(mg/l)	1779.3	2916.16	924.3	789.7	376.65	2056.20	4987.6	875.0	2127.80	2038.50	1689.60	1244.1	-
22	Sodium(mg/l)	11550.0	6300.0	1966.0	1246.0	8997.0	3850.0	6875.0	6500.0	3148.0	11925.0	12375.0	7825.0	-
23	Total Dissolved Solids(mg/l)	34579.0	24891.0	27172.0	9682.0	22556.0	27184.0	18348.0	32259.0	34536.0	29986.0	29628.0	34199.0	-
24	Total Fixed Solids(mg/l)	20747.0	14934.0	9048.0	3227.0	13533.0	16315.0	11008.0	24657.0	11571.0	18591.0	17777.0	11388.0	-
25	Total Suspended Solids(mg/l)	6.0	17.0	14.0	18.0	12.0	10.0	10.0	56.0	8.0	15.0	7.0	16.0	-
26	Phosphate(mg/l)	0.03	0.02	0.03	0.03	0.06	0.02	0.03	BDL	0.02	0.02	BDL	BDL	-
27	Boron(mg/l)	1.7	1.8	2.2	0.4	1.684	-	-	1.15	1.9	1.4	1.4	0.8	-
28	Potassium(mg/l)	1500.0	2775.0	190.5	96.6	4498.5	1850.0	550.0	100.0	1378.0	1025.0	600.0	625.0	-
29	Flouride(mg/l)	1.4	0.8	1.0	0.7	1.250	1.1	1.7	1.8	1.1	1.0	1.4	1.4	-
30	SAR	389.45	180.48	72.10	82.89	268.53	125.23	237.46	3871.9	173.4	363.89	385.10	254.7	-
31	Percent Sodium (%)	88.12	78.83	59.19	74.82	85.74	75.10	81.58	99.91	87.29	85.77	86.27	81.74	-
32	Arsenic(mg/l)	0.00133	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00012	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.00562	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	234.33	-	-	-	-	-	-
40	Manganese (mg/l)	0.01042	-	-	-	-	-	98.79	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

VAGATOR BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	30	28	28	27	29	30	29	29	29	-
2	Dissolved Oxygen(mg/l)	6.5	5.4	6.9	7.2	7.1	6.7	7.6	6.7	7.1	7.4	8.0	7.1	4 mg/l or more
3	pH	8.25	8.28	7.93	7.93	7.91	8.04	7.89	7.19	7.9	7.8	7.97	8.26	6.5 - 8.5
4	Conductivity(µs/cm)	49360.0	54690.0	46960.0	29390.0	49700.0	48370.0	50300.0	50780.0	53420.0	51770.0	59090.0	51500.0	-
5	BOD(mg/l)	BDL	BDL	2.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0.19	0.82	0.50	0.1	BDL	1.7	0.2	0.7	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.005	0.080	0.031	0.035	0.005	BDL	0.049	BDL	0.018	0.005	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	46	79	540	220	110	240	220	49	140	23	46	-
9	Fecal Coliform(MPN/100ml)	<1.8	23	49	94	94	70	130	94	33	70	13	33	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	14	26	70	63	34	70	31	23	33	6.8	12	-
11	Turbidity(NTU)	1.34	3.36	63.5	18.99	26.5	3.17	3.31	5.85	4.4	1.6	1.64	BDL	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	2.0	18.0	BDL	BDL	BDL	BDL	6.0	BDL	16.0	0.6	BDL	14.0	-
13	Total Alkalinity(mg/l)	98.0	86.0	82.0	44.0	208.0	178.0	96.0	14.0	104.0	106.0	116.0	94.0	-
14	Chlorides(mg/l)	16994.7	17744.50	18834.6	7997.52	16994.7	17744.50	17369.6	17744.5	17494.6	17744.5	17494.6	17619.54	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.20	1.12	3.4	2.24	1.12	0.56	1.68	2.24	1.12	0.56	0.56	0.56	-
17	Ammonia (mg/l)	BDL	0.07	0.08	BDL	BDL	0.10	0.07	0.05	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6600.0	8400.0	5800.0	3500.0	7600.0	7000.0	6000.0	7200.0	8800.0	7800.0	9400.0	7200.0	-
19	Calcium(mg/l)	481.0	961.92	481.00	400.80	641.30	480.96	561.1	481.0	481.0	481.0	561.1	561.12	-
20	Magnesium(mg/l)	1312.2	1458.0	1117.8	607.5	1458.0	1409.40	1117.8	1458.0	1846.8	1603.8	1944.00	1409.40	-
21	Sulphate(mg/l)	3351.2	3037.96	2219.6	1062.12	537.10	2056.20	2109.0	1158.3	643.5	1988.4	3190.1	1297.75	-
22	Sodium(mg/l)	1210.0	7100.0	5050.0	9825.0	2010.9	3850.0	10175.0	2194.0	3150.0	2450.0	11275.2	12400.0	-
23	Total Dissolved Solids(mg/l)	31912.0	35001.0	25834.0	18650.0	28443.0	27184.0	29677.0	30468.0	34189.0	33133.0	33090.0	26415.0	-
24	Total Fixed Solids(mg/l)	10626.0	21000.0	21970.0	12682.0	9670.0	16315.0	19883.0	12187.0	20513.0	19880.0	19854.0	15847.0	-
25	Total Suspended Solids(mg/l)	7.0	7.0	199.0	66.0	54.0	10.0	18.0	9.0	12.0	4.0	4.0	13.0	-
26	Phosphate(mg/l)	BDL	0.05	0.256	0.095	0.150	0.02	0.06	0.03	BDL	0.03	BDL	0.09	-
27	Boron(mg/l)	0.9	1.0	0.68	3.29	-	-	1.1	1.5	1.9	1.8	1.3	1.4	-
28	Potassium(mg/l)	216.7	5075.0	950.0	6582.0	1316.0	1850.0	532.0	864.3	1400.0	800.0	1075.1	275.0	-
29	Flouride(mg/l)	1.0	1.4	0.71	1.49	0.90	1.1	1.1	1.3	0.9	0.8	1.82	1.2	-
30	SAR	40.41	204.11	156.6	437.6	62.07	125.23	351.19	70.46	92.3	75.88	318.59	395.04	-
31	Percent Sodium (%)	44.3	83.42	78.96	94.21	61.31	75.10	86.5	61.20	66.2	60.92	83.14	86.55	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.0004	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	484.42	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	78.29	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	1.90	-	-	-	-	-	-
38	Zinc(mg/l)	0.00345	-	-	-	-	-	119.16	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	1161.79	-	-	-	-	-	-
40	Manganese (mg/l)	5.27541	-	-	-	-	-	396.86	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

ARAMBOL BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	28	31	31	28	28	28	28	28	29	30	31	31	-
2	Dissolved Oxygen(mg/l)	7.5	8.1	7.0	7.2	6.9	6.9	6.9	6.8	7.1	7.1	6.3	5.9	4 mg/l or more
3	pH	8.2	8.27	8.53	7.95	7.93	8.07	8.17	8.40	7.82	7.92	8.09	8.20	6.5 - 8.5
4	Conductivity(µs/cm)	53570.0	46970.0	63030.0	14510.0	13090.0	47370	28020.0	49680.0	52530.0	51560.00	58240.0	52990.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.4	0.3	0.5	0.4	0.135	BDL	BDL	BDL	BDL	BDL	0.1	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.006	BDL	0.007	BDL	0.017	0.006	BDL	0.007	BDL	0.012	BDL	BDL	-
8	Total Coliform(MPN/100ml)	170	240	920	240	240	220	130	130	33	79	130	49	-
9	Fecal Coliform(MPN/100ml)	110	79	140	49	79	110	49	49	23	49	49	33	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	210	31	33	22	6.8	79	17	31	<1.8	17	26	11	-
11	Turbidity(NTU)	5.0	6.19	40.0	22.60	23.50	4.37	3.19	16.61	4.04	5.44	3.98	30.0	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	12.0	16.0	12.0	BDL	BDL	BDL	14.0	16.0	BDL	12.0	10.0	24.0	-
13	Total Alkalinity(mg/l)	96.0	80.0	76.0	38.0	90.0	186.0	108.0	176.0	108.0	104.0	100.0	94.0	-
14	Chlorides(mg/l)	17744.5	16494.89	17244.7	5498.3	9996.90	16994.73	17744.50	19994.0	17869.5	17494.6	17619.54	17869.5	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	3.36	3.4	1.68	1.68	0.56	1.68	3.4	1.68	1.68	2.2	-
17	Ammonia (mg/l)	0.07	BDL	0.07	0.037	0.06	0.16	BDL	BDL	0.07	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	7600.0	8200.0	7000.0	1400.0	8600.0	6000.0	6200.0	7000.0	7600.0	7600.0	7600.0	7000.0	-
19	Calcium(mg/l)	641.3	721.44	400.8	240.48	561.10	641.28	1122.24	400.8	481.0	561.1	641.28	641.3	-
20	Magnesium(mg/l)	1458.0	1555.2	1458.0	194.4	1749.6	1069.20	826.20	1458.0	1555.2	1506.6	1458.0	1312.2	-
21	Sulphate(mg/l)	1625.2	3288.74	1493.1	715.5	558.0	2100.9	5520.40	1057.0	1484.3	2031.5	1532.38	1818.3	-
22	Sodium(mg/l)	12550.0	4125.0	3037.0	920.0	9824.0	5375.0	5050.0	6450.0	3050.0	11600.0	12600.0	8100.0	-
23	Total Dissolved Solids(mg/l)	34285.0	25127.0	41318.0	9097.0	7330.0	25941.0	17932.0	35918.0	34226.0	30420.0	29918.0	33577.0	-
24	Total Fixed Solids(mg/l)	20571.0	15076.0	13771.0	3032.0	4398.0	15561.0	10759.0	25142.0	11408.0	21598.0	17950.0	11080.0	-
25	Total Suspended Solids(mg/l)	12.0	9.0	62.0	26.0	15.0	6.0	6.0	66.0	12.0	13.0	11.0	17.0	-
26	Phosphate(mg/l)	0.02	0.03	0.03	0.04	0.07	BDL	0.03	BDL	BDL	0.02	BDL	BDL	-
27	Boron(mg/l)	1.9	1.8	2.1	0.6	1.265	-	-	1.16	1.6	1.3	1.8	1.0	-
28	Potassium(mg/l)	1500.0	1125.0	265.5	90.0	4912.0	2475.0	600.0	100.0	1400	1025.0	550.0	575.0	-
29	Flouride(mg/l)	1.7	1.5	1.3	0.5	0.927	1.1	1.6	1.83	1.0	0.9	1.6	1.5	-
30	SAR	387.37	122.26	99.62	62.39	289.02	183.80	161.79	2915.4	64.54	360.77	388.91	259.18	-
31	Percent Sodium (%)	87.0	69.75	63.99	69.90	86.44	82.11	74.36	99.85	49.91	85.93	86.23	81.62	-
32	Arsenic(mg/l)	0.00118	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00029	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	80.55	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.00825	-	-	-	-	-	16.60	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BAGA BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	30	28	30	27	29	30	29	29	29	-
2	Dissolved Oxygen(mg/l)	6.6	7.3	5.4	7.1	6.9	6.2	8.0	7.7	6.7	6.5	8.0	6.8	4 mg/l or more
3	pH	8.24	8.04	7.05	7.88	7.94	8.08	7.74	7.93	7.9	7.7	8.03	8.01	6.5 - 8.5
4	Conductivity(µs/cm)	53210.0	54930.0	6187.0	53700.0	53860.0	58240.0	51600.0	50400.0	53760.0	51710.0	59070.0	52630.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.1	0.37	0.24	0.5	BDL	0.3	2.6	0.9	0.5	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.008	0.039	0.019	0.006	BDL	BDL	0.082	0.028	0.012	BDL	BDL	-
8	Total Coliform(MPN/100ml)	150	280	350	350	170	220	170	280	540	130	94	350	-
9	Fecal Coliform(MPN/100ml)	110	94	130	70	84	110	94	110	170	79	49	130	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	170	33	39	49	39	70	33	40	32	13	22	34	-
11	Turbidity(NTU)	3.17	2.22	50.8	20.6	6.77	7.48	4.97	6.99	7.0	2.4	2.82	BDL	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	2.0	10.0	BDL	BDL	BDL	12	8.0	BDL	14.0	0.4	BDL	12.0	-
13	Total Alkalinity(mg/l)	80.0	98.0	40.0	48.0	218.0	100.0	98.0	10.0	100.0	102.0	112.0	92.0	-
14	Chlorides(mg/l)	17369.6	17244.70	2813.0	12371.2	17244.7	17744.5	17744.5	17619.5	17744.5	17494.6	17744.5	17494.58	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.20	1.68	2.8	2.24	1.12	1.68	1.68	1.12	1.12	1.12	1.12	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	7800.0	7600.0	1000.0	5500.0	7800.0	7400.0	6600.0	6800.0	7800.0	6800.0	8600.0	7800.0	-
19	Calcium(mg/l)	641.3	961.92	240.5	601.2	801.6	721.4	721.4	881.8	801.6	481.0	641.3	881.76	-
20	Magnesium(mg/l)	1506.6	1263.60	97.2	972.0	1409.4	1360.8	1166.4	1117.8	1409.4	1360.8	1701.00	1360.80	-
21	Sulphate(mg/l)	3432.5	2722.70	358.0	1135.6	2427.3	2010.4	2190.4	1470.0	729.3	1883.7	737.3	1145.50	-
22	Sodium(mg/l)	1369.0	8400.0	1350.0	8450.0	2216.3	6488.0	12625.0	2118.0	3400.0	2600.0	10145.6	12050.0	-
23	Total Dissolved Solids(mg/l)	32648.0	35155.0	3634.0	36516.0	31459.0	34944.0	30444.0	30240.0	34406.0	33.9	33079.0	27392.0	-
24	Total Fixed Solids(mg/l)	10882.0	21093.0	2700.0	25561.0	10696.0	23761.0	21006.0	12096.0	20644.0	19856.0	19847.0	16430.0	-
25	Total Suspended Solids(mg/l)	7.0	6.0	51.0	72.0	15.0	19.0	16.0	11.0	16.0	7.0	7.0	5.0	-
26	Phosphate(mg/l)	BDL	0.06	0.076	0.16	0.04	0.04	0.06	0.06	0.02	0.03	BDL	0.06	-
27	Boron(mg/l)	0.9	1.8	0.20	1.25	-	-	1.2	2.7	1.8	1.7	1.3	1.5	-
28	Potassium(mg/l)	238.0	3450.0	350.0	3400.0	1574.2	3315.0	825.0	832.1	1550.0	600.0	1080.2	450.0	-
29	Flouride(mg/l)	1.1	1.3	0.57	1.49	0.90	1.1	1.2	1.2	1.0	1.0	1.98	1.6	-
30	SAR	41.77	251.81	79.4	301.3	66.66	201.08	410.93	66.98	102.3	85.68	296.46	359.86	-
31	Percent Sodium (%)	42.8	84.19	83.43	88.28	63.16	82.48	87.69	59.60	69.1	63.47	82.74	84.79	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00056	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.0953	-	-	-	-	-	10.76	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	256.43	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	648.65	-	-	-	-	-	-
40	Manganese (mg/l)	5.64222	-	-	-	-	-	59.61	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BAMBOLIM BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	28	27	28	28	28	28	29	28	29	30	-
2	Dissolved Oxygen(mg/l)	7.0	6.2	7.2	7.8	5.2	6.8	7.2	4.1	6.0	7.7	6.7	7.0	4 mg/l or more
3	pH	8.03	8.3	8.0	5.97	7.99	8.02	8.17	7.9	7.84	7.89	7.94	8.05	6.5 - 8.5
4	Conductivity(µs/cm)	57510.0	49010.0	35470.0	42920.0	44310.0	35320.0	45210.0	48300.0	51880.0	47610.0	49340.00	50250.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	2.8	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.155	BDL	2.0	0.1	BDL	0.15	BDL	1.4	0.2	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.036	BDL	0.007	0.008	0.007	0.038	0.020	0.005	0.005	0.005	-
8	Total Coliform(MPN/100ml)	<1.8	79	94	240	170	540	540	240	540	220	130	23	-
9	Fecal Coliform(MPN/100ml)	<1.8	49	70	79	110	220	170	130	140	110	49	13	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	23	31	49	49	110	70	27	39	49	21	9.2	-
11	Turbidity(NTU)	19.1	20.5	38.0	20.03	19.90	16.73	18.53	23.20	5.85	7.33	6.68	18.0	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	104.0	104.0	66.0	100.0	32.0	72.0	96.0	134.0	104.0	116.0	134.0	120.0	-
14	Chlorides(mg/l)	17494.6	17369.6	16494.9	17744.49	13995.60	3498.90	16869.8	17744.50	17494.6	17619.54	17744.50	17494.6	-
15	COD(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	2.20	0.56	0.56	0.56	1.68	1.12	1.68	2.8	0.56	1.12	0.56	-
17	Ammonia (mg/l)	0.05	BDL	BDL	0.06	0.15	BDL	BDL	0.10	0.12	BDL	BDL	0.1	-
18	Total Hardness(mg/l)	8400.0	6200.0	5200.0	8200.0	4800.0	4400.0	5000.0	8200.0	6800.0	7800.0	8600.0	7800.0	-
19	Calcium(mg/l)	801.6	320.6	561.1	1683.36	561.10	400.80	561.1	1362.72	1042.1	561.12	1122.24	1042.1	-
20	Magnesium(mg/l)	1555.2	1312.2	932.4	972.0	826.2	826.2	874.8	1166.40	1020.6	1555.20	1409.40	1263.60	-
21	Sulphate(mg/l)	4034.9	2533.5	1904.6	3981.62	154.01	7.45	2035.0	574.00	1432.9	598.0	4898.30	826.5	-
22	Sodium(mg/l)	8650.0	660.4	3550.0	8650.0	400.6	6850.0	9775.0	6450.0	2520.0	10125.0	9150.0	10162.1	-
23	Total Dissolved Solids(mg/l)	32205.0	32426.0	22701.0	24464.0	27029.0	22251.0	26673.0	29946.0	34526.0	26716.0	29110.0	26632.0	-
24	Total Fixed Solids(mg/l)	19323.0	10808.0	13621.0	14678.0	19190.0	15575.0	17337.0	17967.0	11507.0	16025.0	17466.0	15979.0	-
25	Total Suspended Solids(mg/l)	14.0	22.0	28.0	22.0	64.0	50.0	39.0	26.0	10.0	13.0	10.0	20.0	-
26	Phosphate(mg/l)	0.03	0.04	0.02	BDL	BDL	0.13	0.05	0.19	0.02	BDL	0.04	0.03	-
27	Boron(mg/l)	2.140	2.1	1.3	0.52	-	-	1.1	1.9	1.6	0.9	1.3	1.21	-
28	Potassium(mg/l)	4325.0	190.1	625.0	4325.0	10.5	4825.0	500.0	1900.0	870.0	75.0	20.3	2310.4	-
29	Flouride(mg/l)	1.478	1.4	1.9	0.4	0.12	1.17	1.3	0.9	1.5	1.0	1.5	1.33	-
30	SAR	251.98	23.11	130.30	251.98	271.70	276.60	364.81	181.38	78.47	311.26	257.18	299.29	-
31	Percent Sodium (%)	84.63	34.3	73.77	84.63	98.95	90.49	87.74	76.75	62.17	82.82	78.37	84.4	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	5.26	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00865	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.01571	-	-	-	-	-	24.33	-	-	-	-	-	-
37	Nickel(mg/l)	0.00382	-	-	-	-	-	4.42	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.19628	-	-	-	-	-	679.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.08454	-	-	-	-	-	1666.72	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

MOBOR BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	29	29	28	27	30	29	30	31	31	-
2	Dissolved Oxygen(mg/l)	5.7	7.6	5.2	7.3	7.1	8.1	6.1	8.2	7.9	7.0	6.8	6.0	4 mg/l or more
3	pH	8.40	8.34	7.42	7.94	8.00	7.12	7.90	7.95	7.07	7.91	8.10	8.19	6.5 - 8.5
4	Conductivity(µs/cm)	51860.0	53400.0	58420.0	36970.0	61270.0	49580.0	48410.00	49580.0	52950.0	51330.0	56800.0	51410.00	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.7	0.2	0.3	0.2	0.1	BDL	0.549	BDL	1.0	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.051	0.03	0.014	BDL	BDL	0.030	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	33	540	79	49	130	79	140	240	23	540	79	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	110	33	33	79	33	70	79	13	130	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	6.8	4.5	4.5	6.8	49	17	17	14	7.8	46	17	-
11	Turbidity(NTU)	6.87	7.11	18.5	17.86	10.06	2.21	2.54	3.43	4.19	7.23	6.09	14.99	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	20	BDL	8	BDL	8.0	12.0	BDL	BDL	BDL	BDL	12.0	-
13	Total Alkalinity(mg/l)	100.0	68.0	76.0	72.0	80.0	108.0	74.0	10.0	124.0	104.0	106.0	96.0	-
14	Chlorides(mg/l)	17244.7	17494.58	17994.42	15494.2	16744.8	17494.58	17494.6	17494.6	17494.58	17494.9	18492.3	17119.7	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	4.48	1.12	1.12	1.68	1.68	0.56	0.56	2.8	0.56	1.12	-
17	Ammonia (mg/l)	0.06	BDL	0.065	BDL	BDL	BDL	0.09	BDL	BDL	0.05	0.13	BDL	-
18	Total Hardness(mg/l)	6000.0	8800.0	7000.0	5400.0	7400.0	6600.0	13000.0	8200.0	7400.0	7800.0	6600.0	8400.0	-
19	Calcium(mg/l)	641.3	641.28	400.8	561.12	641.3	641.28	561.1	721.4	641.28	641.3	561.1	561.1	-
20	Magnesium(mg/l)	1069.2	1749.6	1458	972	1409.4	1215.0	2818.8	1555.2	1409.40	1506.3	1263.6	1701.0	-
21	Sulphate(mg/l)	2290.6	3525.18	3250.64	1252.13	509.2	1528.74	639.4	3.28	650.65	1698.3	2.48	2030.0	-
22	Sodium(mg/l)	1172.0	3350.0	12275.0	5200.0	3010.0	5650.0	2089.1	301.58	12300.0	1620.0	1950.0	11475.0	-
23	Total Dissolved Solids(mg/l)	31117.0	28642.0	39725.0	21442.0	34586.0	32722.0	29046.0	27764.0	28642.0	34216.0	34044.0	29817.0	-
24	Total Fixed Solids(mg/l)	12447.0	17185.0	27807.0	12856.0	11759.0	19633.0	11618.0	16658.0	17181.0	32.0	23830.0	19977.0	-
25	Total Suspended Solids(mg/l)	11.0	11.0	100.0	22.0	21.0	4.0	4.0	6.0	3.0	15.0	20.0	22.0	-
26	Phosphate(mg/l)	0.07	0.02	0.34	0.08	0.04	BDL	0.03	0.06	BDL	BDL	0.05	BDL	-
27	Boron(mg/l)	BDL	0.8	1.76	1.8	--	--	2.0	1.26	0.8	1.3	2.63	0.4	-
28	Potassium(mg/l)	421.9	2275.0	4725.0	2800.0	2100.9	700.0	782.1	539.0	1275.0	252.7	350.0	850.0	-
29	Flouride(mg/l)	0.2	1.6	BDL	1.0	0.6	0.9	1.4	1.644	1.0	1.1	1.81	1.5	-
30	SAR	40.08	96.89	402.6	187.81	94.00	185.46	50.82	301.58	384.12	49.43	64.6	341.20	-
31	Percent Sodium (%)	48.2	70.17	90.14	83.92	71.37	77.38	45.93	82.48	86.88	46.58	55.76	84.49	-
32	Arsenic(mg/l)	0.00	-	-	-	-	-	0.00208	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000230	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.27169	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.04786	-	-	-	-	-	0.05484	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Managanese (mg/l)	0.4751	-	-	-	-	-	BDL	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BAINA BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	31	27	28	27	29	29	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	6.8	5.1	5.7	7	3.4	6.9	6.4	7.3	5.4	7.7	8.1	7.1	4 mg/l or more
3	pH	8.04	8.33	7.92	8	5.86	8.02	7.99	7.90	7.97	7.16	8.05	7.12	6.5 - 8.5
4	Conductivity(µs/cm)	58660.0	53100.0	54110.0	25760.0	168.0	42220.0	49570.0	49940.0	51810.0	21740.0	50980.0	51870.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	4.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.13	BDL	0.20	0.8	0.27	0.2	0.105	0.2	4.01	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.007	0.005	0.008	0.019	0.017	BDL	0.016	0.05	0.008	0.157	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	49	240	350	240	350	130	540	170	79	280	130	-
9	Fecal Coliform(MPN/100ml)	<1.8	33	130	79	130	170	49	170	140	33	130	79	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	11	47	40	70	94	22	130	27	11	33	34	-
11	Turbidity(NTU)	4.19	9.18	6.93	15.80	6.32	4.14	0.78	15.34	3.20	2.41	3.15	7.33	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	4.0	2	BDL	BDL	BDL	6.0	BDL	BDL	BDL	BDL	12.0	6.0	-
13	Total Alkalinity(mg/l)	102.0	110.0	78.0	46.0	20.0	86.0	18.0	116.0	108.0	186.0	96.0	102.0	-
14	Chlorides(mg/l)	17744.50	17119.7	18869.15	10796.7	17.0	16994.73	17494.58	17994.4	17494.6	9996.9	17619.5	17369.6	-
15	COD(mg/l)	-	-	-	-	18.0	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	1.68	6.70	1.12	0.56	1.12	1.12	1.70	1.68	1.68	2.8	-
17	Ammonia (mg/l)	BDL	BDL	0.09	BDL	0.14	0.4	0.09	0.16	0.13	BDL	BDL	0.11	-
18	Total Hardness(mg/l)	6400.0	6600.0	6700.0	4200.0	36.0	6600.0	9600.0	6800.0	6800.0	3800.0	8000.0	7600.0	-
19	Calcium(mg/l)	641.30	481.0	360.7	400.8	7.2	641.28	2484.96	400.8	801.6	561.1	480.9	841.0	-
20	Magnesium(mg/l)	1166.40	1312.2	1409.4	777.6	4.4	1215.0	826.2	1409.4	1166.4	583.2	1458.0	1555.2	-
21	Sulphate(mg/l)	2101.50	1060.4	2548.66	2287	9.2	1355.90	577.20	924.0	1100.3	0.75	2168.2	1684.9	-
22	Sodium(mg/l)	5100.0	676.4	5100.0	1201.0	33.4	5025.0	4050.0	6350.0	2514.0	2950.0	9325.0	13400.0	-
23	Total Dissolved Solids(mg/l)	34022.0	31860.0	38959.0	17121.0	95.0	27020.0	28750.0	32461.0	31086.0	1017.0	29568.0	34562.0	-
24	Total Fixed Solids(mg/l)	23134.0	19116.0	26492.0	5701.0	32.0	16212.0	17250.0	21580.0	12434.0	610.0	18620.0	11509.0	-
25	Total Suspended Solids(mg/l)	11.0	16.0	27.0	10.0	13.0	5.0	5.0	57.0	5.0	6.0	7.0	110.0	-
26	Phosphate(mg/l)	0.03	BDL	0.04	0.05	BDL	0.06	0.12	0.21	0.06	0.02	0.02	0.08	-
27	Boron(mg/l)	1.2	BDL	1.11	0.6	--	--	1.8	1.57	0.4	1.31	1.2	1.3	-
28	Potassium(mg/l)	2615.0	188.9	2615.0	162.4	15.1	525.0	800.0	100.0	715.0	425.0	225.0	160.0	-
29	Flouride(mg/l)	1.1	0.2	BDL	BDL	BDL	0.2	1.7	1.4	1.1	0.69	1.50	1.5	-
30	SAR	169.64	22.6	171.4	49.48	13.88	164.94	99.54	3629.3	80.1	123.33	299.49	419.97	-
31	Percent Sodium (%)	81.02	32.55	81.34	53.64	80.71	74.94	59.43	99.91	62.1	74.68	83.12	86.94	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01486	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00236	-	-	-	-	-	0.00526	-	-	-	-	-	-
38	Zinc(mg/l)	0.10857	-	-	-	-	-	0.01042	-	-	-	-	-	-
39	IronTotal(mg/l)	0.45885	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Managanese (mg/l)	0.66526	-	-	-	-	-	1.564	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

GALGIBAG BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	30	28	28	28	27	29	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.0	7.1	5.3	6.5	7.3	6.5	6.1	7.8	6.7	7.7	7.3	6.1	4 mg/l or more
3	pH	8.2	8.4	6.3	7.82	7.81	8.17	7.80	7.54	7.82	8.21	8.05	8.04	6.5 - 8.5
4	Conductivity(µs/cm)	50940.0	53820.0	54780.0	38030.0	55100.0	43010	48200.0	49880.0	52330.0	51520.0	57850.0	51670.00	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	BDL	0.3	0.1	BDL	BDL	0.1	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.036	0.09	0.037	BDL	BDL	BDL	BDL	BDL	BDL	0.005	-
8	Total Coliform(MPN/100ml)	<1.8	33	350	170	220	140	350	79	7.8	23	11	94	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	130	49	130	63	170	49	4.5	7.8	7.8	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	4.5	9.3	32	11	22	79	21	4.0	2.0	4.5	27	-
11	Turbidity(NTU)	1.6	5.4	24.9	41	10.84	1.72	2.46	8.92	1.84	2.48	4.19	9.37	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	14.0	14.0	BDL	BDL	6.0	BDL	0.7	4.0	BDL	BDL	14.0	4.0	-
13	Total Alkalinity(mg/l)	88.0	98.0	70.0	94.0	74.0	78.0	76.0	24.0	108.0	104.0	88.0	110.0	-
14	Chlorides(mg/l)	17244.7	17494.6	17119.69	16494.89	17744.5	17994.4	17119.7	17994.42	17744.5	17619.54	17744.5	17119.7	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	1.12	2.24	1.12	1.12	2.8	1.12	2.8	0.56	1.12	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	0.07	0.06	BDL	0.20	0.13	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6200.0	7000.0	7500.0	8200.0	8800.0	6200.0	4800.0	7200.0	6400.0	8800.0	7800.0	8600.0	-
19	Calcium(mg/l)	801.6	721.4	400.8	1042.08	961.9	481.0	561.1	801.60	641.3	881.76	721.4	641.3	-
20	Magnesium(mg/l)	1020.6	1263.6	1579.5	1360.8	1555.2	1215.0	826.2	1263.60	4782.2	1603.80	1458.0	1701.0	-
21	Sulphate(mg/l)	1821.3	2421.8	2921.8	2928.3	1932.0	542.36	1636.9	981.05	1461.5	665.28	2116.9	2124.3	-
22	Sodium(mg/l)	14100.0	15050.0	15925.0	5750.0	9298.0	4060.0	2120.0	11700.0	2650.0	11975.0	14100.0	12675.0	-
23	Total Dissolved Solids(mg/l)	32602.0	34445.0	37798.0	23578.0	33060.0	26526.0	32113.0	28431.0	34146.0	28651.0	34710.0	30485.0	-
24	Total Fixed Solids(mg/l)	19561.0	20667.0	26080.0	14146.0	20497.0	18302.0	10703.0	17058.0	11380.0	17190.0	21520.0	20424.0	-
25	Total Suspended Solids(mg/l)	5.0	9.0	160.0	59.0	21.0	7.0	4.0	10.0	3.0	11.0	11.0	19.0	-
26	Phosphate(mg/l)	0.04	BDL	0.139	0.02	0.09	0.07	0.07	0.07	0.02	BDL	0.02	0.03	-
27	Boron(mg/l)	1.7	1.7	3.36	1.1	0.8	--	1.7	0.26	2.5	0.9	1.0	0.3	-
28	Potassium(mg/l)	1500.0	12950.0	4775.0	2275.0	4706.0	2150.0	258.1	1200.0	650.0	1050.0	650.0	1100.0	-
29	Flouride(mg/l)	1.1	1.5	BDL	1.4	1.2	1.16	1.9	BDL	1.5	0.9	1.4	1.5	-
30	SAR	467.13	477.71	506.1	246.96	262.09	139.4	80.49	364.10	88.15	339.69	427.14	370.38	-
31	Percent Sodium (%)	89.54	93.4	91.27	88.10	84.76	78.55	63.16	86.20	64.61	83.98	87.13	85.47	-
32	Arsenic(mg/l)	0.00152	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000190	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.015	-	-	-	-	-	0.09396	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.15546	-	-	-	-	-	-
40	Managanese (mg/l)	0.00555	-	-	-	-	-	0.848	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

COLVA BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	30	28	28	29	28	30	29	29	30	30	-
2	Dissolved Oxygen(mg/l)	8.7	6	7.5	7.9	6.9	6.8	6.5	7.1	6.6	6.1	7.3	5.7	4 mg/l or more
3	pH	7.09	8.5	8.44	7.7	7.77	8.3	7.63	7.8	7.80	7.84	8.10	8.0	6.5 - 8.5
4	Conductivity(µs/cm)	59780.0	50960.0	57620.0	20200.0	22020.0	39530	54370.0	66770.0	52610.0	51840.0	75290.0	52690.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.1	1.9	0.9	0.140	BDL	0.7	0.7	BDL	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.036	0.022	0.005	BDL	BDL	0.020	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	120	110	220	540	220	350	920	540	350	920	240	79	-
9	Fecal Coliform(MPN/100ml)	70	79	130	94	110	130	170	170	170	240	49	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	32	14	79	79	49	46	79	70	47	26	23	-
11	Turbidity(NTU)	4.37	3.6	32.2	13.2	7.3	2.27	5.55	7.6	5.78	6.37	6.78	10.6	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	20	12	2	BDL	4.0	6.0	14.0	14.0	BDL	BDL	6	-
13	Total Alkalinity(mg/l)	126.0	94.0	64.0	68.0	214.0	94.0	12.0	104.0	110.0	118.0	108.0	100.0	-
14	Chlorides(mg/l)	17994.42	17994.4	17744.5	7872.6	17244.7	17244.65	17744.5	17994.4	17619.5	17244.7	17744.5	17494.6	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	3.9	1.12	1.12	2.8	1.68	1.68	1.12	1.68	1.7	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.06	0.06	0.12	BDL	0.26	0.07	BDL	BDL	0.21	0.16	-
18	Total Hardness(mg/l)	8400.0	7200.0	6600.0	3400.0	7200.0	6200.0	6600.0	7000.0	8400.0	7800.0	7200.0	8400.0	-
19	Calcium(mg/l)	721.44	721.4	400.8	481	240.5	80.16	641.30	561.1	641.3	1282.6	561.1	641.3	-
20	Magnesium(mg/l)	1603.8	1312.2	1360.8	534.6	1603.8	1360.8	1215.0	1360.8	1652.4	1117.8	1409.4	1652.4	-
21	Sulphate(mg/l)	2766.98	3195.6	2559.6	530	746.33	2634.3	458.80	434.0	2010.4	486.2	1363.6	1557.3	-
22	Sodium(mg/l)	7275.0	15550.0	2276.1	1750.0	9234.7	1521.0	15310.0	15625.0	13225.0	12350.0	3300.0	6900.0	-
23	Total Dissolved Solids(mg/l)	34074.0	32614.0	38328.0	12928.0	12331.0	25496.0	34797.0	42733.0	30513.0	29030.0	45174.0	33722.0	-
24	Total Fixed Solids(mg/l)	20444.0	19568.0	12782.0	7757.0	7398.0	16997	20878.0	25640.0	21053.0	17418.0	18069.0	20233.0	-
25	Total Suspended Solids(mg/l)	9.0	6.0	46.0	19.0	10.0	12.0	12.0	16.0	14.0	11.0	11.0	19.0	-
26	Phosphate(mg/l)	0.02	BDL	0.05	0.03	0.06	0.02	0.07	0.02	BDL	BDL	0.04	0.03	-
27	Boron(mg/l)	0.8	1.3	2.3	1.9	0.542	--	1.7	1.7	1.3	0.16	0.4	1.5	-
28	Potassium(mg/l)	1150.0	14850.0	257.3	450.0	4617.4	222.0	1107.0	13160.0	925.0	1100.0	275.0	2650.0	-
29	Flouride(mg/l)	1.3	1.6	1.3	1.0	1.37	1.0	1.5	1.2	1.0	1.78	1.7	1.6	-
30	SAR	213.36	487.65	76.66	77.66	304.1	56.67	502.54	504.04	217.18	356.48	105.1	203.75	-
31	Percent Sodium (%)	78.37	93.73	59.0	68.42	88.25	54.74	93.43	93.74	65.61	84.86	64.5	80.63	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00213	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.12484	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.02574	-	-	-	-	-	0.3858	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00324	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.18195	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.22147	-	-	-	-	-	-
40	Managanese (mg/l)	0.01882	-	-	-	-	-	0.10451	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

VELSAO BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	29	29	29	28	29	29	30	30	30	31	-
2	Dissolved Oxygen(mg/l)	7.4	7.1	5.9	8.4	8.2	6.0	6.1	6.1	4.3	7.8	7.0	5.9	4 mg/l or more
3	pH	8.2	6.78	7.5	8.05	7.89	7.95	7.7	7.87	7.98	7.94	7.92	7.8	6.5 - 8.5
4	Conductivity(µs/cm)	57680.0	49070.0	61340.0	41080.0	53220.0	50730.0	19040.0	51520.0	53130.0	52040.0	58430.0	58560.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	BDL	0.5	0.471	0.3	0.4	1.15	0.1	1.6	BDL	0.2	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.014	0.04	0.037	0.007	0.03	0.028	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	350	33	170	220	240	540	110	130	33	23	130	-
9	Fecal Coliform(MPN/100ml)	<1.8	70	17	79	94	130	170	79	79	17	13	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	46	11	33	49	49	79	21	23	7.8	4.5	24	-
11	Turbidity(NTU)	5.2	5.87	8.4	13.3	15.75	4.27	5.63	3.9	6.56	5.09	6.03	3.3	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	16.0	BDL	10.0	12.0	BDL	BDL	BDL	BDL	BDL	18.0	6.0	8.0	-
13	Total Alkalinity(mg/l)	106.0	128.0	66.0	60.0	88.0	90.0	82.0	116.0	112.0	94.0	102.0	112.0	-
14	Chlorides(mg/l)	17994.4	17494.6	17744.5	17244.65	16744.81	17369.6	16494.9	17369.6	17994.42	17619.5	17244.65	17494.6	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	2.24	1.12	0.56	0.56	1.68	0.56	2.24	2.24	1.68	1.12	1.68	-
17	Ammonia (mg/l)	BDL	BDL	0.19	0.06	BDL	0.85	0.34	0.09	BDL	BDL	BDL	0.18	-
18	Total Hardness(mg/l)	6600.0	8200.0	6600.0	1200.0	7000.0	7600.0	6000.0	6800.0	6400.0	6800.0	7400.0	6200.0	-
19	Calcium(mg/l)	561.1	881.76	961.9	480.96	1202.4	400.8	400.8	400.8	641.28	721.4	721.44	881.8	-
20	Magnesium(mg/l)	1263.6	1458.0	1020.6	1020.6	972.0	1603.8	1215.0	1409.4	1166.4	1215.0	1360.80	972.0	-
21	Sulphate(mg/l)	1709.2	2507.8	2048	1166	1422.9	3218.4	651.20	467.6	793.65	2066.4	1516.28	1073.0	-
22	Sodium(mg/l)	14250.0	9800	12500	5050	5525.0	2141.4	7750.0	1259.1	8700.0	11850.0	11950.0	7600.0	-
23	Total Dissolved Solids(mg/l)	36915.0	30426.0	39258.0	23004.0	28834.0	30438.0	12535.0	33734.0	30815.0	30183.0	29916.0	37478.0	-
24	Total Fixed Solids(mg/l)	22149.0	18255.0	23555.0	13802.0	17300.0	12175.0	10375.0	11243.0	18489.0	19317.0	17949.0	22487.0	-
25	Total Suspended Solids(mg/l)	15.0	12.0	19.0	16.0	17.0	6.0	16.0	6.0	9.0	15.0	17.0	11.0	-
26	Phosphate(mg/l)	0.05	0.02	0.05	0.08	0.07	0.18	0.26	0.05	0.02	0.02	BDL	0.02	-
27	Boron(mg/l)	1.9	1.9	1.9	1.33	1.5	--	3.40	2.2	2.0	0.4	1.5	1.8	-
28	Potassium(mg/l)	1550.0	7600.0	3800.0	2525.0	3350.0	721.3	900.0	233.4	6450.0	1000.0	650.0	650.0	-
29	Flouride(mg/l)	1.1	1.1	1.3	1.24	1.0	BDL	3.25	1.0	0.9	1.1	1.3	1.5	-
30	SAR	471.77	286.52	397.02	184.30	167.56	67.64	230.4	41.85	289.38	380.83	370.35	249.63	-
31	Percent Sodium (%)	89.65	88.15	89.16	83.46	80.32	58.81	79.27	45.19	89.34	86.90	85.82	81.65	-
32	Arsenic(mg/l)	0.001290	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01291	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00450	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.06689	-	-	-	-	-	0.08158	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.20	-	-	-	-	-	-
40	Managanese (mg/l)	8.8349	-	-	-	-	-	2.056	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOGMALO BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	31	27	29	27	29	29	29	30	30	30	30	-
2	Dissolved Oxygen(mg/l)	6.5	6.6	6	5.8	2.1	7.3	5	6.2	6.9	8.1	7.9	6.3	4 mg/l or more
3	pH	8.0	8.23	7.97	8.06	6.62	7.91	7.99	7.93	7.89	7.24	7.07	8.10	6.5 - 8.5
4	Conductivity(µs/cm)	59990.0	52910.0	56600.0	31680.0	198.1	42030.0	54030.0	52230.0	52410.0	46230.0	50960.0	52930.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.1	0.40	1.05	0.20	BDL	0.23	0.1	0.03	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.015	0.05	0.022	0.009	0.005	0.005	0.04	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	20	350	350	350	240	49	49	13	49	79	79	-
9	Fecal Coliform(MPN/100ml)	<1.8	14	110	79	130	130	33	23	7.8	23	33	49	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	4.5	34	17	34	79	17	9.3	4.5	4.5	17	23	-
11	Turbidity(NTU)	4.46	6.74	41.20	8.13	14.14	3.77	1.83	12.79	2.83	2.73	4.24	6.91	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.0	-
13	Total Alkalinity(mg/l)	92.0	110.0	80.0	58.0	44.0	92.0	16.0	118.0	110.0	124.0	112.0	116.0	-
14	Chlorides(mg/l)	17994.40	17369.61	18744.19	16994.7	18.0	16744.81	17744.50	19993.80	17619.5	17494.6	17494.6	17619.5	-
15	COD(mg/l)	-	-	-	-	20.0	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.10	1.68	6.70	1.12	1.12	1.12	3.36	1.1	1.12	1.68	2.2	-
17	Ammonia (mg/l)	BDL	0.06	0.05	0.05	0.09	BDL	BDL	0.18	0.07	0.05	BDL	0.13	-
18	Total Hardness(mg/l)	6600.0	8200.0	6900.0	4000.0	62.0	6800.0	7000.0	8400.0	6400.0	7000.0	7200.0	6400.0	-
19	Calcium(mg/l)	721.40	881.8	400.8	320.6	20.0	721.44	881.76	561.1	400.8	881.8	480.9	561.1	-
20	Magnesium(mg/l)	1166.40	1458	1433.7	777.6	2.9	1215.0	1166.40	1701.0	1312.2	1166.4	1458.0	1215.0	-
21	Sulphate(mg/l)	2136.50	1038.9	1856.78	4179.7	16.5	1302.0	1583.60	952.0	1548.8	4.57	2036.4	1592.1	-
22	Sodium(mg/l)	5175.0	685.0	5175.0	1502.0	35.3	4775.0	5525.0	7100.0	2564.0	8925.0	9300.0	14160.0	-
23	Total Dissolved Solids(mg/l)	35394.0	31746.0	40186.0	20159.0	114.0	26899.0	32958.0	34471.0	31446.0	12174.0	29556.0	35092.10	-
24	Total Fixed Solids(mg/l)	22298.0	19048.0	28130.0	7351.0	39.0	16139.0	19774.0	23160.0	12578.0	7304.0	18915.0	11696.0	-
25	Total Suspended Solids(mg/l)	10.0	8.0	112.0	15.0	30.0	4.0	8.0	45.0	4.0	7.0	9.0	96.0	-
26	Phosphate(mg/l)	0.03	BDL	0.05	0.07	0.07	0.03	0.15	0.04	0.02	0.02	BDL	0.03	-
27	Boron(mg/l)	1.1	BDL	0.98	0.7	--	--	1.9	1.47	0.3	0.84	1.1	1.4	-
28	Potassium(mg/l)	2612.0	151.3	2612.0	197.2	11.5	450.0	750.0	100.0	741.0	175.0	250.0	160.0	-
29	Flouride(mg/l)	1.1	0.4	BDL	BDL	0.3	BDL	1.4	1.09	1.2	0.98	1.6	1.6	-
30	SAR	168.44	20.0	170.9	64.10	10.42	153.46	172.65	2907.2	87.6	278.89	298.69	475.16	-
31	Percent Sodium (%)	80.49	26.33	80.93	60.74	67.09	72.96	75.39	99.83	65.9	81.63	83.12	88.97	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.03788	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.01025	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	0.10038	-	-	-	-	-	-
39	IronTotal(mg/l)	2.72588	-	-	-	-	-	0.12366	-	-	-	-	-	-
40	Managanese (mg/l)	0.958	-	-	-	-	-	BDL	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BETALBATIM BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	30	30	29	29	30	28	30	29	30	30	30	-
2	Dissolved Oxygen(mg/l)	7.6	5.5	4.5	7.7	6.9	6.5	6.1	6.3	7.9	9.5	5.2	6.3	4 mg/l or more
3	pH	7.07	8.4	8.48	8	7.82	8.09	7.70	7.97	7.96	7.88	8.10	8.00	6.5 - 8.5
4	Conductivity(µs/cm)	59730.0	523000.0	43950.0	51060.0	43810.0	42620.0	54660.0	56330.0	52650.00	51730.0	57450.0	53150.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3	0.1	0.5	0.9	0.1	BDL	BDL	0.1	BDL	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.029	0.034	BDL	BDL	BDL	0.031	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	23	130	240	140	170	540	540	350	130	130	240	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	49	49	79	79	140	140	130	79	79	130	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	11	4.5	23	33	23	43	6.8	17	34	46	49	-
11	Turbidity(NTU)	5.68	3.2	22.7	19.3	8.0	3.74	4.50	10.25	4.62	4.42	5.86	15.5	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	20	BDL	4	BDL	BDL	8.0	6.0	12.0	BDL	BDL	10.0	-
13	Total Alkalinity(mg/l)	130.0	92.0	80.0	74.0	18.0	100.0	8.0	122.0	114.0	142.0	120.0	102.0	-
14	Chlorides(mg/l)	17744.50	17994.4	17744.5	16254	17494.58	17494.6	17494.6	17494.6	17744.5	17244.7	17619.5	17744.5	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	1.12	0.56	1.68	1.12	1.68	2.24	1.68	0.56	1.7	1.12	-
17	Ammonia (mg/l)	BDL	BDL	0.1	0.05	0.12	0.16	0.10	0.27	BDL	BDL	0.20	0.14	-
18	Total Hardness(mg/l)	6800.0	7400.0	9600.0	5400.0	8000.0	6400.0	5200.0	7000.0	7800.0	7000.0	6000.0	8200.0	-
19	Calcium(mg/l)	721.44	801.6	641.28	721.4	480.96	400.8	721.4	481.0	561.1	641.3	641.3	721.4	-
20	Magnesium(mg/l)	1215.0	1312.2	1944.0	874.8	1652.4	1312.2	826.2	1409.4	1555.2	1312.2	1069.2	1555.2	-
21	Sulphate(mg/l)	2605.86	2522.1	1832.96	1152.8	2343.6	737.6	399.6	1428	2045.5	607.8	1608.9	1136.8	-
22	Sodium(mg/l)	8525.0	15600.0	8100.0	3050.0	4950.0	2012.9	15475.0	1237.3	13125.0	12275.0	7075.0	7800.0	-
23	Total Dissolved Solids(mg/l)	38227.0	33472.0	25051.0	32678.0	28038.0	25572.0	34982.0	37451.0	30010.0	28968.0	34470.0	34016.0	-
24	Total Fixed Solids(mg/l)	22936.0	20083.0	15030.0	19607.0	16822.0	10229.0	20989.0	12471.0	18606.0	17380.0	13788.0	20410.0	-
25	Total Suspended Solids(mg/l)	7.0	5.0	31.0	22.0	10.0	7.0	7.0	18.0	13.0	8.0	9.0	21.0	-
26	Phosphate(mg/l)	0.03	BDL	0.09	0.04	BDL	0.43	0.05	0.06	0.05	BDL	0.02	0.04	-
27	Boron(mg/l)	1.8	1.3	0.8	1.9	0.3	--	1.4	3.1	1.2	0.84	0.4	1.6	-
28	Potassium(mg/l)	1150.0	14900.0	7700.0	950.0	1950.0	631.3	11065.0	251.6	1300.0	1075.0	175.0	2600.0	-
29	Flouride(mg/l)	1.4	1.6	0.9	1.6	0.5	0.2	1.4	1.0	0.7	1.68	1.7	1.5	-
30	SAR	273.97	479.85	225.29	107.96	151.56	68.78	556.30	40.25	222.85	392.76	241.9	231.19	-
31	Percent Sodium (%)	83.32	93.52	85.94	71.48	76.38	60.69	94.49	44.06	67.53	87.23	88.9	82.04	-
32	Arsenic(mg/l)	0.0016	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000340	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00342	-	-	-	-	-	-
38	Zinc(mg/l)	0.03238	-	-	-	-	-	0.12262	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.28439	-	-	-	-	-	-
40	Managanese (mg/l)	0.02528	-	-	-	-	-	0.0365	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BENALIM BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	29	29	28	30	29	30	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	6.9	4.2	5.6	7.6	7.0	6.4	6.7	6.5	6.7	6.0	5.1	4.7	4 mg/l or more
3	pH	7.12	8.3	8.45	7.9	6.88	8.19	7.80	7.96	7.94	8.12	7.11	8	6.5 - 8.5
4	Conductivity(µs/cm)	54330.0	53840.0	59360.0	52720.0	34910.0	43670.0	63000.0	61610.0	52130.0	51990.0	59600.0	52300.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.6	0.1	2	1	BDL	BDL	BDL	0.2	BDL	0.202	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.005	0.04	0.038	0.06	BDL	BDL	0.089	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	140	23	49	540	240	240	350	240	240	540	9.2	130	-
9	Fecal Coliform(MPN/100ml)	79	13	33	94	130	79	140	79	130	170	6.8	79	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	120	7.8	23	70	47	21	39	12	12	34	4.5	33	-
11	Turbidity(NTU)	6.94	4.40	38.40	20.70	6.87	2.66	2.23	7.25	6.60	7.39	5.60	8.8	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	22	6	4	BDL	BDL	6.0	4.0	14.0	12.0	BDL	10.0	-
13	Total Alkalinity(mg/l)	126.0	90.0	68.0	64.0	202.0	96.0	18.0	108.0	114.0	128.0	112.0	114.0	-
14	Chlorides(mg/l)	17244.65	17494.6	17994.4	16494.9	17494.6	17744.5	17994.4	17619.5	17619.5	17494.6	17619.5	17244.7	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	4.48	0.56	0.56	1.12	1.12	1.68	1.12	0.56	1.7	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.18	BDL	BDL	0.15	0.05	0.05	BDL	BDL	0.20	BDL	-
18	Total Hardness(mg/l)	7000.0	7200.0	4000.0	5800.0	8800.0	7200.0	7000.0	6400.0	8000.0	6800.0	7600.0	7200.0	-
19	Calcium(mg/l)	801.6	801.6	400.8	481	480.96	881.8	561.1	400.8	721.4	1042.1	641.3	721.4	-
20	Magnesium(mg/l)	1215.0	1263.6	729	1117.8	1846.8	1215	1360.8	1312.2	1506.6	1020.6	1458.0	1312.2	-
21	Sulphate(mg/l)	2227.00	2378.8	2109.6	1046.8	571.95	663.1	473.6	1209.6	2030.6	471.9	1620.6	1264.4	-
22	Sodium(mg/l)	8250.0	15400.0	2864.0	3800.0	8978.5	2132.3	15545.0	1514.0	12275.0	11275.0	7600.0	6600.0	-
23	Total Dissolved Solids(mg/l)	34771.0	34458.0	39513.0	33741.0	19549.0	26202.0	40320.0	38540.0	31799.0	29114.0	35760.0	33472.0	-
24	Total Fixed Solids(mg/l)	20862.0	20675.0	13157.0	20245.0	11729.0	10480.0	24192.0	12845.0	20033.0	17468.0	14304.0	20083.0	-
25	Total Suspended Solids(mg/l)	19.0	9.0	52.0	25.0	8.0	5.0	4.0	14.0	18.0	13.0	8.0	15.0	-
26	Phosphate(mg/l)	0.02	0.03	0.08	0.02	0.06	0.08	0.07	0.03	0.56	0.02	0.03	0.04	-
27	Boron(mg/l)	1.5	1.9	2.2	1.9	0.692	--	1.4	2.4	1.3	1.22	0.8	1.4	-
28	Potassium(mg/l)	1200.0	14950.0	255.4	900.0	4489.3	643.1	12330.0	241.6	1150.0	1075.0	150.0	2300.0	-
29	Flouride(mg/l)	1.7	1.4	1.3	1.5	1.60	0.6	1.6	1.0	0.9	2.01	1.7	1.6	-
30	SAR	259.81	479.24	120.50	134.40	263.18	65.86	501.46	51.73	209.01	351.09	234.6	206.98	-
31	Percent Sodium (%)	82.41	93.63	73.41	74.62	85.26	56.96	93.55	50.62	66.06	85.69	78.7	81.40	-
32	Arsenic(mg/l)	0.00153	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00024	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00342	-	-	-	-	-	-
38	Zinc(mg/l)	0.01269	-	-	-	-	-	0.2251	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.23966	-	-	-	-	-	-
40	Managanese (mg/l)	0.02809	-	-	-	-	-	0.08328	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

VARCA BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	30	30	28	30	29	30	30	30	31	31	-
2	Dissolved Oxygen(mg/l)	7.1	7.8	7.3	7.3	6.8	5.5	6.2	6.0	6.7	7.3	5.9	5.9	4 mg/l or more
3	pH	7.08	8.4	8.41	7.8	7.88	8.14	8.11	7.78	7.78	7.93	7.15	8.1	6.5 - 8.5
4	Conductivity(µs/cm)	54260.0	52110.0	57680.0	39540.0	31080.0	40260.0	64010.0	57670.0	52550.0	52110.0	47080.0	53040.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.4	0.1	0.5	1	0.1	0.1	BDL	0.2	BDL	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.031	0.039	BDL	BDL	BDL	0.02	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	23	350	110	70	220	110	540	240	350	79	33	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	110	33	49	70	70	170	79	130	33	23	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	9.2	79	23	23	13	11	70	6.8	40	17	7.8	-
11	Turbidity(NTU)	5.98	4.1	22.5	19.1	4.83	3.21	2.52	7.57	5.72	5.52	4.25	13.0	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	20.0	BDL	4.0	BDL	BDL	8.0	BDL	14.0	BDL	BDL	3.0	-
13	Total Alkalinity(mg/l)	142.0	88.0	86.0	68.0	116.0	86.0	8.0	112.0	114.0	124.0	84.0	106.0	-
14	Chlorides(mg/l)	16994.73	17744.5	17244.65	13620.8	16494.89	17369.6	17744.5	17744.5	17619.5	17744.5	17494.6	17744.5	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	1.12	0.56	1.68	1.68	1.12	2.24	1.12	1.12	1.1	0.56	-
17	Ammonia (mg/l)	BDL	BDL	0.09	BDL	0.07	0.14	BDL	0.14	BDL	BDL	0.07	BDL	-
18	Total Hardness(mg/l)	7000.0	7200.0	9200.0	6000.0	7000.0	6600.0	7400.0	5600.0	8400.0	7600.0	7400.0	7600.0	-
19	Calcium(mg/l)	641.28	721.4	641.28	400.8	641.28	561.1	561.1	48.96	641.3	801.6	641.3	881.8	-
20	Magnesium(mg/l)	1312.0	1312.2	1846.8	1215.0	1312.2	1263.6	1458.0	1069.2	1652.4	1360.8	1409.4	1312.2	-
21	Sulphate(mg/l)	2206.58	2378.8	4625.36	1113	2739.78	715.2	503.2	1150.8	2024.5	557.7	1652.7	1247.0	-
22	Sodium(mg/l)	8500.0	15500.0	8400.0	3275.0	4525.0	1914.2	15560.0	1373.0	12725.0	12350.0	6850.0	7500.0	-
23	Total Dissolved Solids(mg/l)	34762.0	33350.0	35184.0	25306.0	19891.0	24156.0	40966.0	37227.0	31530.0	29181.0	28248.0	33946.0	-
24	Total Fixed Solids(mg/l)	20857.0	20010.0	21110.0	15184.0	11934.0	9662.0	24580.0	12396.0	19548.0	17508.0	11299.0	20368.0	-
25	Total Suspended Solids(mg/l)	17.0	7.0	32.0	24.0	7.0	6.0	5.0	14.0	14.0	9.0	6.0	22.0	-
26	Phosphate(mg/l)	0.03	BDL	0.08	0.05	BDL	0.23	0.04	0.07	BDL	BDL	0.02	0.03	-
27	Boron(mg/l)	1.4	1.4	1.1	1.9	0.2	--	1.8	2.4	1.2	0.77	BDL	1.5	-
28	Potassium(mg/l)	1150.0	14850.0	7200.0	575.0	1700.0	501.3	12280.0	237.7	775.0	1100.0	175.0	2550.0	-
29	Flouride(mg/l)	1.3	1.6	0.9	1.4	0.4	0.5	1.6	0.9	1.3	1.85	1.5	1.5	-
30	SAR	271.98	486.1	238.2	115.2	144.79	63.37	489.72	58.07	208.97	375.59	213.9	226.44	-
31	Percent Sodium (%)	83.16	93.72	86.24	70.44	76.11	56.97	93.24	59.02	64.54	86.15	77.4	82.08	-
32	Arsenic(mg/l)	0.00157	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00059	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	0.1623	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00102	-	-	-	-	-	-
38	Zinc(mg/l)	0.05629	-	-	-	-	-	0.16377	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.20633	-	-	-	-	-	-
40	Managanese (mg/l)	0.17538	-	-	-	-	-	1.63925	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

AGONDA BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	28	29	28	28	30	30	31	31	31	-
2	Dissolved Oxygen(mg/l)	6.7	7.4	6.7	6.5	6.5	5.7	8.0	7.6	6.7	7.5	6.9	6.7	4 mg/l or more
3	pH	8.31	8.4	7.46	8.07	7.84	8.09	7.02	8.0	7.95	7.97	8.08	8.31	6.5 - 8.5
4	Conductivity(µs/cm)	50770.0	55740.0	62700.0	39400.0	53500.0	49530	49440.0	48770.0	52570.0	51350.0	57430.0	52820.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	2.7	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.8	BDL	BDL	0.01	0.1	BDL	BDL	0.1	BDL	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.044	BDL	0.019	0.1	0.049	BDL	BDL	0.01	0.005	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	110	46	49	350	130	140	23	540	240	79	350	220	-
9	Fecal Coliform(MPN/100ml)	79	17	23	79	79	94	13	110	79	33	130	130	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	94	11	17	49	13	46	4.0	9.2	17	7.8	47	47	-
11	Turbidity(NTU)	2.42	3.5	13.35	81.8	11.38	2.69	3.18	7.04	2.26	2.44	6.72	6.01	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	26.0	BDL	BDL	6.0	BDL	0.7	6.0	BDL	4.0	12.0	16.0	-
13	Total Alkalinity(mg/l)	102.0	98.0	80.0	94.0	78.0	84.0	78.0	10.0	120.0	106.0	94.0	104.0	-
14	Chlorides(mg/l)	17244.7	17744.5	18119.4	16744.8	17619.5	16744.8	17494.6	16994.73	17869.5	17619.54	17494.6	17494.6	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	1.68	1.68	1.68	5.04	2.2	0.56	2.8	1.12	1.12	2.2	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	0.09	0.46	BDL	0.08	0.09	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6400.0	7400.0	7000.0	6800.0	7000.0	5400.0	5000.0	6000.0	6000.0	7000.0	7200.0	7400.0	-
19	Calcium(mg/l)	400.8	721.4	400.8	881.76	801.6	481.0	481.0	561.12	881.8	721.44	641.3	641.3	-
20	Magnesium(mg/l)	1312.2	1360.8	1458.0	1117.8	1215.0	1020.60	923.4	1117.80	3785.9	1263.60	1360.8	1409.4	-
21	Sulphate(mg/l)	2171.6	2178.2	3336.56	2822.25	1897.2	518.52	1554.0	1758.88	1472.9	612.95	2051.0	1600.8	-
22	Sodium(mg/l)	1262.0	15150.0	16500.0	7250.0	9237.0	4180.0	2217.0	10950.0	2150.0	11400.0	12675.0	13360.0	-
23	Total Dissolved Solids(mg/l)	30463.0	35674.0	41382.0	25216.0	31030.0	30194.0	32829.0	27798.0	34985.0	27519.0	33883.0	33505.0	-
24	Total Fixed Solids(mg/l)	12185.0	21404.0	28967.0	15129.0	20790.0	21135.0	10935.0	16678.0	11660.0	16512.0	21685.0	11161.0	-
25	Total Suspended Solids(mg/l)	8.0	6.0	60.0	85.0	25.0	10.0	6.0	7.0	5.0	7.0	13.0	109.0	-
26	Phosphate(mg/l)	0.07	BDL	0.15	0.03	0.08	0.23	0.06	0.02	BDL	BDL	0.02	BDL	-
27	Boron(mg/l)	BDL	1.9	0.81	1.4	0.8	--	2.0	0.07	1.5	0.9	1.0	1.5	-
28	Potassium(mg/l)	437.4	12950.0	4775.0	5900.0	4529.0	2060.0	231.2	1150.0	950.0	1050.0	525.0	120.0	-
29	Flouride(mg/l)	BDL	1.4	BDL	0.5	0.9	1.22	2.1	BDL	1.7	1.1	1.5	1.5	-
30	SAR	43.1	469.53	541.2	138.70	290.89	152.6	80.67	377.93	71.56	361.86	400.61	417.2	-
31	Percent Sodium (%)	49.8	93.10	91.97	70.64	87.22	80.60	63.55	87.82	63.20	86.25	86.83	86.80	-
32	Arsenic(mg/l)	0.00148	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00015	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.00349	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.046	-	-	-	-	-	-
40	Managanese (mg/l)	0.15918	-	-	-	-	-	0.14	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

PALOLEM BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	27	29	28	28	30	30	31	31	31	-
2	Dissolved Oxygen(mg/l)	6.5	7.4	6	6.8	7.1	5.7	6.8	7.2	5.0	5.5	6.5	6.4	4 mg/l or more
3	pH	7.97	8.4	6.43	8	7.88	8.14	7.98	7.98	7.92	7.96	7.04	8.07	6.5 - 8.5
4	Conductivity(µs/cm)	47520.0	52800.0	64240.0	49320.0	53530.0	46890	49740	49100.0	51700.0	51250.0	57020.0	54080.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	BDL	BDL	0.1	0.1	BDL	BDL	0.1	0.1	BDL	BDL	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.048	0.08	0.049	BDL	BDL	BDL	0.006	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	23	540	240	79	110	540	170	33	110	540	46	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	140	79	33	79	130	110	23	70	140	33	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	6.8	22	40	4.5	49	79	70	14	23	40	21	-
11	Turbidity(NTU)	1.57	4.4	33.6	80.3	14.76	2.48	2.09	6.21	2.39	8.0	6.89	5.45	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	26.0	BDL	BDL	8.0	BDL	0.7	4.0	BDL	12.0	14.0	4	-
13	Total Alkalinity(mg/l)	110.0	92.0	74.0	92.0	78.0	80.0	80.0	12.0	12.0	94.0	84.0	106.0	-
14	Chlorides(mg/l)	17119.7	17994.4	17869.46	17994.42	17619.5	16994.7	17744.5	17494.58	17619.5	17244.65	17119.7	18119.4	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	1.68	1.12	1.12	5.04	2.8	1.12	3.4	1.12	1.68	1.7	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	0.07	0.06	BDL	BDL	0.07	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6400.0	6400.0	7000.0	9200.0	7000.0	7000.0	5600.0	5000.0	6400.0	7000.0	6200.0	6800.0	-
19	Calcium(mg/l)	641.3	641.3	400.8	721.44	801.6	641.3	561.0	1603.2	481.0	801.60	480.9	561.1	-
20	Magnesium(mg/l)	1166.4	1166.4	1458	1798.2	1215.0	1312.2	1020.6	243.0	5180.8	1215.0	1215.0	1313.2	-
21	Sulphate(mg/l)	1961.4	2149.5	3515.56	3100.5	1897.2	2327.4	2024.6	2473.6	1553.0	650.33	2007.1	1696.5	-
22	Sodium(mg/l)	1213.0	15100.0	15775.0	7450.0	9243.0	3730.0	2256.0	12175.0	2350.0	11800.0	12825.0	13200.0	-
23	Total Dissolved Solids(mg/l)	28512.0	33792.0	42398.0	3164.0	31047.0	30278.0	32810.0	30442.0	34459.0	26843.0	32974.0	36017.0	-
24	Total Fixed Solids(mg/l)	11404.0	20275.0	28830.0	18938.0	20180.0	20891.0	10936.0	18264.0	11486.0	16102.0	22752.0	11993.0	-
25	Total Suspended Solids(mg/l)	6.0	7.0	195.0	88.0	29.0	9.0	4.0	7.0	7.0	8.0	15.0	136.0	-
26	Phosphate(mg/l)	0.07	0.02	0.28	0.05	0.08	0.17	0.05	BDL	BDL	BDL	BDL	BDL	-
27	Boron(mg/l)	0.2	1.9	1.66	1.1	0.9	--	2.1	0.17	1.7	1.1	1.0	1.4	-
28	Potassium(mg/l)	425.6	13000.0	4750.0	5675.0	4563.0	2050.0	250.1	1225.0	850.0	1075.0	525.0	160.0	-
29	Flouride(mg/l)	0.2	1.6	BDL	1.9	0.7	1.38	1.8	0.4	1.5	1.1	1.5	1.3	-
30	SAR	40.3	502.26	517.4	209.89	291.08	119.3	80.22	400.72	79.57	371.61	440.43	431.3	-
31	Percent Sodium (%)	47.53	93.96	91.70	83.89	87.25	74.74	61.3	87.89	64.72	86.46	88.73	87.70	-
32	Arsenic(mg/l)	0.00152	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00053	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	0.1385	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.01102	-	-	-	-	-	0.16585	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.03175	-	-	-	-	-	-
40	Managanese (mg/l)	0.0079	-	-	-	-	-	0.06131	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

RAJBHAG BEACH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	31	31	30	28	29	28	28	29	30	31	31	31	-
2	Dissolved Oxygen(mg/l)	5.4	6.4	3.5	6.7	7.4	6.9	8.2	7.0	6.4	6.9	6.7	6.7	4 mg/l or more
3	pH	8.33	8.4	7.34	7.96	7.95	8.16	7.91	8.01	7.88	7.88	7.66	8.04	6.5 - 8.5
4	Conductivity(µs/cm)	51320.0	54050.0	61250.0	46710.0	51290.0	51700	49650.0	49640.0	49550.0	51780.0	57530.0	53360.00	-
5	BOD(mg/l)	BDL	BDL	2.3	BDL	BDL	3.7	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	0.1	BDL	0.1	0.1	BDL	BDL	0.1	0.1	BDL	BDL	BDL	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	0.037	0.1	0.045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
8	Total Coliform(MPN/100ml)	<1.8	23	540	33	110	70	540	350	33	33	49	23	-
9	Fecal Coliform(MPN/100ml)	<1.8	13	140	23	46	49	140	130	13	17	33	13	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	<1.8	4.5	11	11	6.8	23	58	14	9.3	4.0	17	9.3	-
11	Turbidity(NTU)	0.62	5.8	16.73	46.3	20.8	4.47	1.87	10.75	3.47	3.17	10.06	7.69	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	24.0	BDL	BDL	4.0	BDL	0.4	6.0	BDL	14.0	14.0	4.0	-
13	Total Alkalinity(mg/l)	104.0	92.0	74.0	96.0	74.0	86.0	80.0	10.0	108.0	94.0	102.0	114.0	-
14	Chlorides(mg/l)	17694.6	17744.5	17994.42	17494.58	17494.6	17244.6	17619.5	17744.50	17369.6	17744.50	17619.5	17744.5	-
15	COD(mg/l)	-	-	-	-	--	--	--	--	--	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	1.12	1.68	1.12	1.68	4.48	2.2	2.80	2.8	2.24	1.68	1.12	-
17	Ammonia (mg/l)	0.08	0.05	BDL	BDL	0.09	0.06	0.05	BDL	0.06	BDL	BDL	BDL	-
18	Total Hardness(mg/l)	6400.0	6400.0	8000.0	9600.0	7200.0	6200.0	5600.0	7000.0	6000.0	7600.0	6400.0	8000.0	-
19	Calcium(mg/l)	481.0	801.6	801.6	1282.56	881.8	561.1	481.0	641.28	481.0	721.44	561.1	801.6	-
20	Magnesium(mg/l)	1263.6	1069.2	1458	1555.2	1215.0	1166.4	1069.2	1312.20	4782.2	1409.40	1215.0	1458.0	-
21	Sulphate(mg/l)	2262.6	2421.8	2606.24	2814.3	1862.3	4288.2	1533.3	2361.53	1438.6	642.9	2160.9	2247.5	-
22	Sodium(mg/l)	1222.0	15100.0	15225.0	7550.0	9021.0	4220.0	2233.0	12375.0	2075.0	11250.0	13725.0	12125.0	-
23	Total Dissolved Solids(mg/l)	30791.0	34592.0	40425.0	30828.0	30261.0	32088.0	3379.0	32762.0	33006.0	28202.0	33367.0	30948.0	-
24	Total Fixed Solids(mg/l)	12316.0	20755.0	27893.0	18496.0	19669.0	22460.0	11027.0	19657.0	10990.0	16917.0	21354.0	20116.0	-
25	Total Suspended Solids(mg/l)	6.0	11.0	140.0	93.0	33.0	14.0	4.0	11.0	6.0	6.0	22.0	16.0	-
26	Phosphate(mg/l)	0.23	0.03	0.16	0.03	0.08	0.07	0.02	BDL	BDL	BDL	0.02	0.03	-
27	Boron(mg/l)	BDL	1.8	3.01	1.0	0.9	--	2.0	0.17	1.9	0.8	1.1	0.3	-
28	Potassium(mg/l)	433.0	13000.0	4750.0	5650.0	4403.0	2020.0	241.4	1175.0	780.0	1050.0	625.0	1025.0	-
29	Flouride(mg/l)	0.3	1.7	BDL	1.7	1.2	1.30	1.9	BDL	1.5	1.0	1.5	1.3	-
30	SAR	41.38	493.72	453.00	207.77	278.61	143.60	80.21	395.96	72.30	344.66	721.92	360.73	-
31	Percent Sodium (%)	48.7	93.76	89.84	83.33	86.49	78.32	61.48	87.40	63.41	85.23	95.46	85.34	-
32	Arsenic(mg/l)	0.001	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.001	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	0.5463	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.02026	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.09963	-	-	-	-	-	-
40	Managanese (mg/l)	BDL	-	-	-	-	-	0.20433	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

UPSTREAM OF RIVER MANDOVI, M/S VEDANTA PVT. LTD.														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	29	28	28	28	28	28	29	30	28	29	-
2	Dissolved Oxygen(mg/l)	7.3	7.3	6.5	7.1	8.3	7.4	7.5	7.4	7.3	4.0	5.7	6.4	4 mg/l or more
3	pH	7.20	7.61	7.15	6.70	7.02	7.19	6.94	6.64	7.13	7.0	7.27	7.26	6.5 - 8.5
4	Conductivity(µs/cm)	32440.0	36870.0	1034.0	110.4	136.3	115.6	177.9	245.4	14710.0	26050.0	30170.0	28190.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	2.1	0.6	0.223	0.2	0.092	0.19	0.1	BDL	0.16	0.3	0.1	0.2	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.087	0.046	0.008	0.008	BDL	BDL	BDL	BDL	0.104	0.009	0.036	0.005	-
8	Total Coliform(MPN/100ml)	540	1100	790	940	790	940	780	390	330	330	170	140	-
9	Fecal Coliform(MPN/100ml)	430	700	490	490	490	460	450	220	230	230	110	110	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	110	94	110	130	170	140	70	120	68	46	22	-
11	Turbidity(NTU)	4.3	3.27	4.0	15.64	5.01	4.06	3.42	4.85	5.16	4.8	6.89	3.79	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	82.0	94.0	24.0	18.0	46.0	18.0	24.0	24.0	70.0	72.0	76.0	52.0	-
14	Chlorides(mg/l)	13495.80	15245.27	399.88	30.5	20.99	16.5	35.0	53.5	5748.2	1012.9	9996.9	12621.1	-
15	COD(mg/l)	-	-	8.0	6.0	8.0	4.0	4.0	6.0	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.12	0.56	5.60	1.12	1.68	1.12	2.2	1.12	1.12	1.12	1.68	0.6	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	0.07	0.07	0.66	0.066	BDL	0.29	BDL	-
18	Total Hardness(mg/l)	5000.0	4800.0	110.0	22.0	26.0	32.0	38.0	48.0	2600.0	4600.0	4200.0	3800.0	-
19	Calcium(mg/l)	721.4	721.44	12.0	4.8	7.21	5.6	5.6	4.8	561.1	240.5	400.8	320.6	-
20	Magnesium(mg/l)	777.6	729.0	19.4	2.43	BDL	4.4	5.0	8.7	291.60	972.0	777.6	729.0	-
21	Sulphate(mg/l)	1506.1	1755.43	47.31	5.9	2.093	3.96	4.4	3.64	50.1	1181.1	1794.6	495.9	-
22	Sodium(mg/l)	7925.0	3300.0	113.4	32.9	66.80	18.6	22.5	21.1	5276.3	1225.0	6375.0	4600.0	-
23	Total Dissolved Solids(mg/l)	20762.0	22127.0	641.0	64.0	76.0	69.0	118.0	143.0	8237.0	16672.0	18403.0	17267.0	-
24	Total Fixed Solids(mg/l)	12457.0	13276.0	416.0	40.0	45.0	47.0	39.0	98.0	4942.0	10003.0	11041.0	5249.0	-
25	Total Suspended Solids(mg/l)	9.0	7.0	6.0	23.0	10.0	15.0	7.0	18.0	8.0	12.0	15.0	12.0	-
26	Phosphate(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.11	BDL	0.02	BDL	-
27	Boron(mg/l)	1.9	1.8	0.35	0.8	0.542	-	BDL	0.27	0.98	1.3	0.4	0.5	-
28	Potassium(mg/l)	800.0	1175.0	21.1	17.8	33.4	27.6	2.1	1.0	100.41	525.0	280.0	250.0	-
29	Flouride(mg/l)	1.1	1.4	BDL	BDL	0.579	BDL	0.4	BDL	0.6	1.0	1.9	1.3	-
30	SAR	289.47	112.54	28.6	17.3	31.22	8.3	9.4	11.9	255.53	49.75	262.63	200.79	-
31	Percent Sodium (%)	85.34	75.52	81.04	87.52	91.63	82.23	66.5	77.84	86.31	59.07	84.96	82.21	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	1.04	-	-	-	-	-	-
38	Zinc(mg/l)	0.09379	-	-	-	-	-	83.07	-	-	-	-	-	-
39	IronTotal(mg/l)	1.73412	-	-	-	-	-	206.67	-	-	-	-	-	-
40	Manganese (mg/l)	0.01451	-	-	-	-	-	860.42	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

DOWNSTREAM OF RIVER MANDOVI, M/S VEDANTA PVT. LTD.														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	29	30	29	28	28	28	28	28	29	30	28	29	-
2	Dissolved Oxygen(mg/l)	6.8	7.1	6.6	7.3	7.5	8.1	7.9	6.7	6.8	6.1	6.6	5.4	4 mg/l or more
3	pH	7.30	7.59	6.70	6.66	7.05	7.19	7.2	6.69	6.99	6.9	7.29	7.20	6.5 - 8.5
4	Conductivity(µs/cm)	32290.0	36820.0	1047.0	174.8	137.2	127.9	169.3	236.6	15740.0	26150.0	30430.0	29250.0	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	2.0	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.9	0.7	0.282	0.2	0.128	0.18	0.2	BDL	0.19	0.3	0.1	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.076	0.048	0.008	0.007	BDL	BDL	BDL	BDL	0.053	0.009	0.027	BDL	-
8	Total Coliform(MPN/100ml)	920	940	1300	1100	1700	1100	920	580	490	490	230	270	-
9	Fecal Coliform(MPN/100ml)	540	490	790	790	700	490	680	310	330	330	130	170	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	280	79	110	140	170	220	170	94	140	78	63	79	-
11	Turbidity(NTU)	5.9	4.41	4.01	11.95	4.73	3.71	2.73	5.04	3.66	5.00	4.28	3.81	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	78.0	74.0	24.0	20.0	46.0	26.0	22.0	26.0	60.0	70.0	74.0	68.0	-
14	Chlorides(mg/l)	12621.1	14995.35	399.88	37.9	22.49	20.5	33.0	53.0	6997.83	9996.9	9746.9	10871.6	-
15	COD(mg/l)	-	-	8.0	8.0	8.0	8.0	6.0	4.0	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	0.56	4.48	0.56	1.12	1.12	1.7	1.68	1.68	1.12	1.12	1.1	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	0.06	0.07	BDL	BDL	BDL	0.17	BDL	-
18	Total Hardness(mg/l)	4200.0	4600.0	104.0	32.0	30.0	28.0	30.0	40.0	3200.0	6400.0	4000.0	4400.0	-
19	Calcium(mg/l)	561.1	641.28	12.0	7.2	4.81	5.6	6.4	5.6	400.8	320.6	160.3	320.6	-
20	Magnesium(mg/l)	680.4	729.0	19.0	3.4	4.374	3.4	3.4	6.3	534.60	1360.8	874.8	874.8	-
21	Sulphate(mg/l)	1345.0	1576.3	46.11	5.8	2.037	4.62	2.8	4.20	71.5	964.3	1875.2	432.1	-
22	Sodium(mg/l)	7775.0	3200.0	116.5	42.5	77.40	20.4	12.0	109.7	5893.2	950.0	6650.0	4850.0	-
23	Total Dissolved Solids(mg/l)	20666.0	23064.0	659.0	105.0	76.0	78.0	112.0	136.0	8811.0	16736.0	17953.0	18524.0	-
24	Total Fixed Solids(mg/l)	12400.0	13838.0	434.0	70.0	45.0	54.0	37.0	92.0	5286.0	10042.0	10771.0	6112.0	-
25	Total Suspended Solids(mg/l)	12.0	10.0	8.0	22.0	8.0	12.0	7.0	20.0	7.0	14.0	9.0	14.0	-
26	Phosphate(mg/l)	0.02	BDL	BDL	BDL	0.009	BDL	BDL	0.04	0.09	BDL	BDL	BDL	-
27	Boron(mg/l)	1.4	1.6	0.28	0.8	0.509	-	BDL	0.28	1.14	1.2	0.6	0.7	-
28	Potassium(mg/l)	775.0	875.0	21.1	23.6	38.7	27.5	0.6	1.8	102.1	400.0	285.0	225.0	-
29	Flouride(mg/l)	1.0	1.2	BDL	0.4	0.543	BDL	0.5	BDL	0.8	0.9	1.8	1.2	-
30	SAR	312.06	112.25	30.4	18.46	36.12	9.6	5.40	11.9	272.5	32.76	292.31	198.38	-
31	Percent Sodium (%)	87.32	74.48	82.41	86.18	92.67	84.16	56.2	79.64	86.5	44.53	87.01	80.9	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.865498	-	-	-	-	-	213.05	-	-	-	-	-	-
40	Manganese (mg/l)	0.119077	-	-	-	-	-	207.16	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxyvchlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

ST.INEZ CREEK UPSTREAM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class B river as per CPCB classification based on designated best use of rivers
1	Temperature°C	D R Y	D R Y	29	28	27	29	30	29	27	29	30	30	-
2	Dissolved Oxygen(mg/l)			1.9	BDL	3.6	7.5	0.6	0.5	0.8	3.5	3.2	0.6	5.0 mg/l or more
3	pH			6.76	6.61	6.51	7.82	6.46	6.62	6.80	7.46	7.68	7.33	6.5-8.5
4	Conductivity(µs/cm)			267.0	222.40	150.40	19000.00	302.7	288.4	390.5	606.9	553.4	691.6	-
5	BOD(mg/l)			5.2	6.0	5.0	BDL	4.7	4.7	4.7	5.2	6.1	5.2	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)			0.2	0.188	0.3	0.6	0.1	BDL	0.6	0.4	0.2	0.1	-
7	Nitrite Nitrogen as NO ₂ -N mg/l			0.007	0.008	0.031	0.01	BDL	BDL	0.023	0.097	0.041	0.005	-
8	Total Coliform(MPN/100ml)			35000	11000	33 x 10 ²	22000	33x10 ²	33 x 10 ²	240X10 ²	49x10 ²	1300	3300	-
9	Fecal Coliform(MPN/100ml)			13000	7900	23 x 10 ²	13000	23x10 ²	26 x 10 ²	79X10 ²	33x10 ²	780	2300	500 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)			790	490	330	790	310	220	340	270	210	340	100 or less MPN/100 ml
11	Turbidity(NTU)			16.76	11.11	4.33	5.81	19.8	14.88	9.68	16.59	6.61	35.2	-
12	Phenolphthalein Alkalinity(mg/l)			BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)			78.0	116.0	74.0	60.0	10.0	94.0	110.0	182.0	128.0	196.0	-
14	Chlorides(mg/l)			43.0	25.49	16.99	7497.06	28.49	28.49	43.0	40.49	41.99	43.5	-
15	COD(mg/l)			20.0	20.0	18.0	-	18.0	18.0	18.0	20.0	18.0	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)			1.68	1.12	0.56	1.12	1.12	2.24	2.2	2.80	2.24	1.1	-
17	Ammonia (mg/l)			1.37	0.09	BDL	1.95	0.051	0.343	0.36	0.2	0.52	BDL	-
18	Total Hardness(mg/l)			80.0	84.0	46.0	2000.0	98.0	102.0	110.0	26.0	208.0	224.0	-
19	Calcium(mg/l)			8.8	24.05	14.43	180.96	32.9	32.1	25.7	64.93	67.33	60.1	-
20	Magnesium(mg/l)			14.09	5.830	2.43	194.80	3.9	5.4	11.2	23.81	9.27	18.0	-
21	Sulphate(mg/l)			19.56	15.66	5.33	923.80	488.4	4.5	4.9	33.25	9.35	6.2	-
22	Sodium(mg/l)			11.6	6.60	63.2	4075.00	32.0	38.00	68.3	37.9	22.4	68.8	-
23	Total Dissolved Solids(mg/l)			170.0	124.0	84.0	11780.0	182.0	173.0	234.0	370.0	348.0	415.0	-
24	Total Fixed Solids(mg/l)			102.0	74.0	50.0	7068.0	73.0	69.0	94.0	222.0	208.0	166.0	-
25	Total Suspended Solids(mg/l)			21.0	14.0	9.0	6.0	22.0	69.0	20.0	24.0	8.0	65.0	-
26	Phosphate(mg/l)			0.35	0.05	0.06	0.10	0.2	0.07	0.12	BDL	0.02	0.1	-
27	Boron(mg/l)			1.5	1.068	1.4	-	0.6	0.86	0.9	1.8	0.8	0.2	-
28	Potassium(mg/l)			7.7	16.3	36.4	1275	19.0	25.0	28.1	8.3	4.6	10.3	-
29	Flouride(mg/l)			1.3	1.53	0.4	0.9	0.5	0.1	0.3	BDL	0.6	0.4	-
30	SAR			3.43	6.60	21.77	221.76	7.46	8.8	15.9	5.69	3.62	11.0	-
31	Percent Sodium (%)			45.72	58.31	85.52	88.79	58.11	62.74	72.4	34.24	26.06	50.3	-
32	Arsenic(mg/l)			-	-	-	-	4.05	-	-	-	-	-	-
33	Cadmium(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)			-	-	-	-	3404.0	-	-	-	-	-	-
40	Manganese (mg/l)			-	-	-	-	344.37	-	-	-	-	-	-
41	Mercury (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)			-	-	-	-	BDL	-	-	-	-	-	-

ST.INEZ CREEK DOWNSTREAM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class B river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	29	28	-	29	29	29	27	29	30	30	-
2	Dissolved Oxygen(mg/l)	BDL	1.8	1.4	2.2	2.7	6.7	1.3	2.6	2.6	2.5	2.4	0.4	5.0 mg/l or more
3	pH	7.3	8.0	7.07	7.09	7.01	7.2	6.99	7.13	7.22	7.04	7.18	7.11	6.5-8.5
4	Conductivity(µs/cm)	22270.0	48910.0	2100.0	522.1	320.5	32890.0	1920.0	1732.0	1900.0	1962.00	11750.0	7195.0	-
5	BOD(mg/l)	5.6	6.6	5.6	5.8	5.4	BDL	6	5.6	5.6	4.4	4.8	6.4	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	BDL	0.4	0.178	1.4	0.8	4.2	6.6	5.1	BDL	0.1	5.7	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.210	0.01	0.058	0.008	0.066	0.005	0.137	0.208	0.209	0.015	0.017	0.207	-
8	Total Coliform(MPN/100ml)	350	350 x 10 ²	54000	280 X10 ²	130 x 10 ²	7000	220x10 ²	240 x 10 ²	540X10 ²	280x10 ²	17000	28000	-
9	Fecal Coliform(MPN/100ml)	280	110 x 10 ²	17000	170 X10 ²	49 x 10 ²	4900	110x10 ²	79 x 10 ²	130X10 ²	170x10 ²	7900	22000	500 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	220	790	940	700	490	490	460	490	430	390	470	790	100 or less MPN/100 ml
11	Turbidity(NTU)	11.17	4.73	8.23	5.88	8.47	5.20	7.85	5.70	7.02	10.79	18.0	31.2	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	28.0	28.0	110.0	94.0	140.0	72.0	14.0	120.0	144.0	168.0	108.0	144.0	-
14	Chlorides(mg/l)	7747.6	5248.37	689.79	77.98	31.99	15995.04	699.8	549.8	1949.4	1949.40	4548.59	1999.4	-
15	COD(mg/l)	-	-	20.0	18.0	18.0	-	20.0	20.0	20.0	20.0	-	20.0	-
16	Total Kjeldahl Nitrogen(mg/l)	2.8	3.36	1.68	1.12	1.12	1.68	2.24	2.24	2.2	2.80	3.36	2.2	-
17	Ammonia (mg/l)	1.72	0.10	0.06	1.03	0.05	3.43	1.66	0.314	0.33	2.99	3.48	3.2	-
18	Total Hardness(mg/l)	2800.0	4200.0	84.0	154.0	108.0	6000.0	268.0	264.0	3000.0	138.0	1280.0	2600.0	-
19	Calcium(mg/l)	320.6	240.48	6.41	40.88	31.26	1042.96	44.9	43.3	80.2	23.25	112.22	481.0	-
20	Magnesium(mg/l)	486.0	874.8	16.52	12.64	7.29	826.20	37.9	37.9	680.4	19.44	243.0	340.2	-
21	Sulphate(mg/l)	823.8	451.40	89.67	32.99	15.60	1478.08	168.7	57.6	61.4	224.25	210.96	10.7	-
22	Sodium(mg/l)	561.6	4450.0	46.7	4.58	84.60	3925.00	834.2	841.8	839.1	233.00	3175.0	5.7	-
23	Total Dissolved Solids(mg/l)	13914.0	31.0	1176.0	292.0	198.0	21707.0	1152.0	1039.0	1140.0	1157.0	7539.0	4317.0	-
24	Total Fixed Solids(mg/l)	4641.0	19.0	705.0	175.0	118.0	13024.0	461.0	416.0	456.0	694.0	4521.0	1727.0	-
25	Total Suspended Solids(mg/l)	20.0	6.0	16.0	8.0	13.0	7.0	13.0	416.0	8.0	13.0	22.0	42.0	-
26	Phosphate(mg/l)	0.90	0.08	0.22	0.02	0.04	0.04	0.68	0.39	1.31	0.06	1.24	1.1	-
27	Boron(mg/l)	0.9	1.507	1.2	0.638	0.9	-	0.7	0.6	0.2	1.8	0.8	0.9	-
28	Potassium(mg/l)	117.8	100.0	32.9	19.4	53.8	1675.0	321.6	348.0	512.0	130.0	275.0	1.4	-
29	Flouride(mg/l)	1.0	0.7	0.5	1.37	0.3	1.1	1.1	0.25	0.9	BDL	0.6	0.2	-
30	SAR	27.96	188.44	13.79	4.58	19.27	128.42	4.04	132.11	43.0	50.43	238.24	0.3	-
31	Percent Sodium (%)	45.72	80.31	77.64	44.61	78.21	74.98	11.75	93.61	64.0	89.48	90.66	0.9	-
32	Arsenic(mg/l)	0.00264	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01974	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.01451	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.00336	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00406	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.07449	-	-	-	-	-	137.0	-	-	-	-	-	-
39	IronTotal(mg/l)	1.65231	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Manganese (mg/l)	0.1858	-	-	-	-	-	279.10	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

COLVA CREEK UPSTREAM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SWII as per CPCB classification based on designated best use
1	Temperature°C	30	31	29	28	28	29	28	30	29	30	30	30	-
2	Dissolved Oxygen(mg/l)	7.9	6.6	0.4	4.1	5.1	4.2	4.3	4.1	5.3	5.3	6.3	5.8	4 mg/l or more
3	pH	7.05	8.2	6.61	7.2	7.06	6.11	6.96	6.93	7.11	7.00	7.53	7.5	6.5 - 8.5
4	Conductivity(µs/cm)	1475.0	888.1	481.1	388.4	201.8	257.7	559.3	293.7	777.7	7334.0	34600.0	20240.0	-
5	BOD(mg/l)	BDL	BDL	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.5	0.3	1.2	0.1	BDL	2.8	0.3	0.1	0.1	1.35	0.1	0.7	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.011	0.013	0.006	BDL	0.089	BDL	0.011	0.007	0.198	0.006	0.040	-
8	Total Coliform(MPN/100ml)	1600	70X10 ²	220x10 ²	79X10 ²	7000	33x10 ²	32x10 ²	110x10 ²	2300	140x10 ²	240x10 ²	13000	-
9	Fecal Coliform(MPN/100ml)	240	33X10 ²	46x10 ²	33X10 ²	4600	23x10 ²	23x10 ²	49x10 ²	1300	79x10 ²	79x10 ²	7900	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	430	49X10 ¹	49x10 ¹	49X10 ¹	460	13x10 ¹	21x10 ¹	130x10 ¹	170	26x10 ¹	39x10 ¹	490	-
11	Turbidity(NTU)	4.38	7.5	36.4	6.6	10.99	6.61	13.03	9.11	19.20	7.78	4.37	5.8	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	140.0	146.0	56.0	70.0	128.0	50.0	12.0	102.0	64.0	96.0	96.0	116.0	-
14	Chlorides(mg/l)	409.87	749.8	60	60.5	41.99	33.0	121.5	43.0	186.4	2399.3	13120.9	6897.9	-
15	COD(mg/l)	10.0	8.0	20.0	10.0	12.0	10.0	10.0	12.0	12.0	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	1.68	3.36	1.12	1.68	1.7	0.56	1.68	1.12	0.56	1.7	1.68	-
17	Ammonia (mg/l)	0.08	0.2	0.23	0.08	0.08	BDL	BDL	0.05	BDL	BDL	0.66	2.58	-
18	Total Hardness(mg/l)	180.0	170.0	94.0	76.0	82.0	64.0	108.0	74.0	130.0	900.0	4200.0	2680.0	-
19	Calcium(mg/l)	35.27	26.5	21.6	20.8	28.06	22.4	20.8	17.6	23.2	64.10	561.1	48.1	-
20	Magnesium(mg/l)	22.36	25.3	9.7	5.8	2.916	1.9	13.6	7.29	17.5	179.8	680.4	622.1	-
21	Sulphate(mg/l)	26.98	59.9	41.3	24.9	16.54	8.4	14.5	13.1	27.0	31.5	315.4	385.7	-
22	Sodium(mg/l)	77.1	98.0	23.7	12.5	88.9	39.1	79.8	48.8	2080.0	1020.0	3575.0	1200.0	-
23	Total Dissolved Solids(mg/l)	914.0	568.0	321.0	249.0	113.0	171.0	358.0	195.0	451.0	4107.0	19560.0	12954.0	-
24	Total Fixed Solids(mg/l)	548.0	341.0	106.0	149.0	67.0	56.0	215.0	64.0	302.0	2464.0	7824.0	7772.0	-
25	Total Suspended Solids(mg/l)	11.0	14.0	48.0	15.0	12.0	9.0	24.0	19.0	37.0	12.0	7.0	12.0	-
26	Phosphate(mg/l)	0.05	0.06	0.23	0.03	0.08	0.04	0.06	0.03	0.22	0.32	0.11	0.42	-
27	Boron(mg/l)	1.1	0.8	0.8	0.5	1.078	--	0.6	0.2	0.9	0.80	0.2	0.5	-
28	Potassium(mg/l)	7.6	21.0	9.2	3.6	29.6	11.2	7.6	0.7	160.0	20.0	100.0	380.0	-
29	Flouride(mg/l)	BDL	0.2	0.5	0.2	BDL	0.4	0.4	0.4	BDL	0.72	0.9	0.8	-
30	SAR	14.36	19.27	5.99	3.42	22.59	11.22	19.23	13.82	301.80	92.37	143.5	65.55	-
31	Percent Sodium (%)	59.51	69.70	51.23	37.64	79.28	67.4	71.73	66.51	95.93	81.0	74.8	70.22	-
32	Arsenic(mg/l)	0.0022	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00109	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.00570	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	NickeI(mg/l)	BDL	-	-	-	-	-	0.00106	-	-	-	-	-	-
38	Zinc(mg/l)	0.1	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	2.30454	-	-	-	-	-	-
40	Managanese (mg/l)	0.05619	-	-	-	-	-	0.24921	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

COLVA CREEK DOWNSTREAM														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for SW II river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	31	29	29	28	29	28	30	29	29	30	30	-
2	Dissolved Oxygen(mg/l)	8.0	7.5	0.8	4.5	5.9	5.4	5.0	4.2	5.3	5.0	5.3	4.5	4 mg/l or more
3	pH	7.90	8.1	6.47	6.9	7.86	7.07	7.63	7.2	6.42	6.89	7.57	7.5	6.5 - 8.5
4	Conductivity(µs/cm)	1441.0	1063.0	430.6	249.4	184.3	309.9	522.6	332.0	449.20	17780.0	22480.0	20310.0	-
5	BOD(mg/l)	BDL	BDL	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	0.3	1	0.1	BDL	0.7	0.4	0.1	0.1	1.45	0.1	0.4	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	0.011	0.0013	0.006	0.005	0.013	BDL	0.009	0.007	0.015	0.006	0.018	-
8	Total Coliform(MPN/100ml)	540	79X10 ²	240x10 ²	94X10 ²	4600	49x10 ²	46x10 ²	140x10 ²	13000	220x10 ²	350x10 ²	24000	-
9	Fecal Coliform(MPN/100ml)	280	49X10 ²	49x10 ²	46X10 ²	3300	33x10 ²	33x10 ²	79x10 ²	4900	110x10 ²	170x10 ²	13000	100 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	350	79X10 ¹	79x10 ¹	70X10 ¹	330	33x10 ¹	23x10 ¹	170x10 ¹	260	33x10 ¹	47x10 ¹	580	-
11	Turbidity(NTU)	4.32	6.1	37.8	6.5	11.02	6.56	13.04	9.26	20.50	7.15	4.16	6.1	30 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	134.0	146.0	58.0	62.0	118.0	48.0	10.0	82.0	70.0	106.0	88.0	120.0	-
14	Chlorides(mg/l)	314.90	499.8	53	41.5	36.99	43.5	104.0	69.0	86.9	4523.6	12746.1	6947.8	-
15	COD(mg/l)	8.0	6.0	20.0	8.0	14.0	8.0	8.0	10.0	14.0	--	--	--	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	1.68	3.36	1.12	1.12	1.7	0.56	1.12	1.12	1.12	1.7	1.68	-
17	Ammonia (mg/l)	0.10	0.26	0.27	0.08	BDL	BDL	BDL	0.07	BDL	BDL	0.38	2.31	-
18	Total Hardness(mg/l)	172.0	166.0	96.0	66.0	72.0	64.0	86.0	94.0	100.0	1380.0	5400.0	2880.0	-
19	Calcium(mg/l)	32.86	25.7	24.8	21.6	24.05	17.6	21.6	20.0	23.2	144.3	320.6	336.7	-
20	Magnesium(mg/l)	21.87	24.8	8.3	2.9	2.916	4.86	7.8	10.7	10.7	247.9	1117.8	495.7	-
21	Sulphate(mg/l)	25.83	60	45	21.1	15.21	15.6	15.5	13.0	17.5	57.5	297.8	339.3	-
22	Sodium(mg/l)	83.8	86.5	16.7	10.8	82.5	47.6	92.4	50.3	160.0	2475.0	4825.0	1290.0	-
23	Total Dissolved Solids(mg/l)	951.0	680.0	286.0	160.0	103.0	205.0	334.0	217.0	269.0	6596.0	13488.0	12998.0	-
24	Total Fixed Solids(mg/l)	570.0	408.0	95.0	96.0	61.0	136.0	200.0	72.0	190.0	2957.0	5395.0	7799.0	-
25	Total Suspended Solids(mg/l)	7.0	13.0	50.0	13.0	14.0	9.0	25.0	16.0	38.0	10.0	6.0	14.0	-
26	Phosphate(mg/l)	0.07	0.06	0.32	0.04	0.08	0.02	0.06	0.04	0.07	0.24	0.06	0.42	-
27	Boron(mg/l)	1.4	1.0	0.5	0.5	1.147	--	0.6	2.1	0.9	1.14	0.2	0.6	-
28	Potassium(mg/l)	11.8	21.2	7.9	3.5	41.3	14.2	26.0	0.8	70.0	700.4	75.0	460.0	-
29	Flouride(mg/l)	0.4	BDL	0.3	0.2	0.56	0.5	0.2	BDL	BDL	0.72	1.0	0.6	-
30	SAR	16.02	17.22	4.11	3.08	22.47	14.19	24.09	12.83	27.62	16.74	179.9	63.23	-
31	Percent Sodium (%)	63.59	68.11	42.66	36.80	82.11	73.3	80.10	62.45	77.42	89.01	77.3	67.77	-
32	Arsenic(mg/l)	0.00895	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00052	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01601	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	0.03638	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
38	Zinc(mg/l)	0.1	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	2.40386	-	-	-	-	-	-
40	Managanese (mg/l)	0.03955	-	-	-	-	-	0.1755	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

UPSTREAM OF BETHORA NALLAH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class B river as per CPCB classification based on designated best use of rivers
1	Temperature°C	N O T C O L L E C T E D A S I T W A S D R Y	30	28	28	28	29	30	29	30	29	30	31	-
2	Dissolved Oxygen(mg/l)		1.8	4	5.3	4.4	4.1	4.2	5.4	2.4	4.5	4.0	8.2	5.0 mg/l or more
3	pH		6.71	6.01	6.04	6.02	5.68	5.53	5.78	6.56	7.12	7.20	6.97	6.5-8.5
4	Conductivity(µs/cm)		54710.0	640.3	365.0	343.0	259.5	500.0	269.4	813.50	2858.0	2710.0	3585.0	-
5	BOD(mg/l)		6	BDL	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)		0.169	0.2	0.91	1.1	0.2	0.66	0.4	0.3	4.5	0.2	2.5	-
7	Nitrite Nitrogen as NO ₂ -N mg/l		0.019	0.011	0.009	0.007	0.007	0.008	0.006	0.031	0.165	0.065	0.210	-
8	Total Coliform(MPN/100ml)		2000	3500	2800	2300	2200	1700	1400	7900	7000	2400	4900	-
9	Fecal Coliform(MPN/100ml)		1400	1300	1300	780	700	780	1100	3300	4900	790	2300	500 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)		490	330	350	330	320	340	320	460	630	270	310	100 or less MPN/100 ml
11	Turbidity(NTU)		61.1	8.15	5.71	4.28	1.42	1.88	2.01	7.76	5.04	6.11	4.06	-
12	Phenolphthalein Alkalinity(mg/l)		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)		98.0	12.0	18.0	30.0	14.0	22.0	8.0	64.0	52.0	110.0	130.0	-
14	Chlorides(mg/l)		17244.7	13	39.49	75.5	51.5	123.5	56.48	12.00	8.5	729.8	1699.5	-
15	COD(mg/l)		-	8	8	6.0	4.0	12.0	8.0	18.0	14.0	16.0	10.0	-
16	Total Kjeldahl Nitrogen(mg/l)		0.56	0.56	1.68	1.12	2.24	1.12	0.56	2.24	1.68	1.12	1.12	-
17	Ammonia (mg/l)		0.676	0.08	0.06	BDL	0.20	BDL	BDL	0.86	0.892	BDL	0.15	-
18	Total Hardness(mg/l)		9600	164	50	92.0	70.0	412.0	76.0	210.0	14.0	680.0	1040.0	-
19	Calcium(mg/l)		961.9	50.5	15.23	24.85	20.0	44.1	22.44	60.92	3.2	176.4	368.74	-
20	Magnesium(mg/l)		1749.6	9.23	2.91	7.29	4.9	73.39	4.86	14.09	1.5	58.3	29.16	-
21	Sulphate(mg/l)		243.6	15.9	7.63	5.02	10.4	11.43	9.10	17.88	36.7	197.8	49.3	-
22	Sodium(mg/l)		9854.2	25.6	11.6	55.9	48.6	57.0	24.1	27.6	412.8	352.0	4010.0	-
23	Total Dissolved Solids(mg/l)		30637.0	409.0	234.0	231.0	156.0	280.0	156.0	455.0	1715.0	1598.0	2007.0	-
24	Total Fixed Solids(mg/l)		18382.0	245.0	140.0	134.0	62.0	168.0	93.0	273.0	686.0	959.0	1204.0	-
25	Total Suspended Solids(mg/l)		50.0	16.0	7.0	13.0	4.0	4.0	9.0	11.0	9.0	13.0	8.0	-
26	Phosphate(mg/l)		0.3	0.06	BDL	0.04	0.03	0.02	0.18	0.54	0.02	0.2	0.06	-
27	Boron(mg/l)		1.439	0.7	0.59	1.6	--	0.63	1.1	1.3	0.795	1.3	1.4	-
28	Potassium(mg/l)		4927.1	20.8	6.8	26.7	21.2	4.8	2.7	15.2	212.0	108.0	90.0	-
29	Flouride(mg/l)		1.074	0.3	0.1	0.3	0.15	BDL	0.3	0.2	BDL	BDL	0.21	-
30	SAR		267.63	4.68	3.85	13.94	13.77	7.42	6.52	4.51	270.1	32.5	284.3	-
31	Percent Sodium (%)		84.5	43.72	50.35	71.99	73.71	34.37	49.54	36.33	99.3	66.22	91.15	-
32	Arsenic(mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)		-	-	-	-	-	0.01184	-	-	-	-	-	-
38	Zinc(mg/l)		-	-	-	-	-	0.06049	-	-	-	-	-	-
39	IronTotal(mg/l)		-	-	-	-	-	0.16895	-	-	-	-	-	-
40	Managanese (mg/l)		-	-	-	-	-	0.322	-	-	-	-	-	-
41	Mercury (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)		-	-	-	-	-	BDL	-	-	-	-	-	-

DOWNSTREAM OF BETHORA NALLAH														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for Class B river as per CPCB classification based on designated best use of rivers
1	Temperature°C	30	30	28	28	28	29	30	29	30	29	30	31	-
2	Dissolved Oxygen(mg/l)	5.7	2.8	2.9	6.2	4.2	5.4	5.0	6.5	2.6	4.6	4.0	6.1	5.0 mg/l or more
3	pH	7.39	7.07	6.57	6.55	6.56	6.5	5.59	6.70	6.85	7.06	7.11	6.9	6.5-8.5
4	Conductivity(µs/cm)	9413.0	4209.0	832.2	580.9	451.20	401.0	487.4	269.8	789.9	2839.0	2147.0	3472.0	-
5	BOD(mg/l)	BDL	5.6	5	BDL	BDL	BDL	BDL	BDL	4.7	BDL	BDL	BDL	3 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	7.49	0.241	1.7	0.24	1.1	6.9	0.77	1.2	0.2	5.5	0.2	2.79	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.098	0.017	0.097	0.03	0.012	0.204	0.009	0.122	0.032	0.2	0.068	0.2	-
8	Total Coliform(MPN/100ml)	9200	2700	5400	3500	3200	2400	2700	2400	11000	13000	2800	5800	-
9	Fecal Coliform(MPN/100ml)	3500	2200	1700	1700	1700	790	930	1700	4600	7900	940	3100	500 or less MPN/100 ml
10	Fecal Streptococci (MPN/100ml)	2800	790	540	540	390	390	400	390	580	700	330	460	100 or less MPN/100 ml
11	Turbidity(NTU)	65.8	17.15	10.84	3.93	5.01	15.16	1.10	3.43	6.51	6.22	6.06	4.08	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	102.0	96.0	50.0	24.0	60.0	32.0	24.0	8.0	70.0	94.0	114.0	122.0	-
14	Chlorides(mg/l)	3623.9	4748.5	449.86	63.48	96.5	76.98	118.9	61.48	5.5	9.5	709.8	1649.5	-
15	COD(mg/l)	-	-	18	6	8.0	10.0	10.0	8.0	18.0	12.0	14.0	12.0	-
16	Total Kjeldahl Nitrogen(mg/l)	5.04	1.12	1.12	2.24	2.24	1.68	1.68	2.24	2.24	2.8	1.12	1.68	-
17	Ammonia (mg/l)	0.116	1.139	BDL	0.16	0.36	0.18	BDL	0.60	0.78	1.1	BDL	0.14	-
18	Total Hardness(mg/l)	3000	4400.0	188.0	64.0	112.0	100.0	350.0	76.0	202.0	12.0	700.0	1100.0	-
19	Calcium(mg/l)	601.2	1122.24	56.11	17.64	35.27	28.1	47.3	24.05	63.33	3.2	184.4	296.59	-
20	Magnesium(mg/l)	364.5	534.6	11.66	4.86	5.83	7.3	56.4	3.89	10.69	1.0	58.3	87.48	-
21	Sulphate(mg/l)	28.02	85.98	24.2	7.18	8.73	6.7	11.22	7.53	18.05	37.6	182.8	31.9	-
22	Sodium(mg/l)	338.2	8050.0	31.5	9.8	46.5	51.8	52.1	33.9	67.3	483.1	330.0	4220.0	-
23	Total Dissolved Solids(mg/l)	6794.0	2357.0	515.0	372.0	291.0	241.0	272.0	167.0	505.0	1703.0	1309.0	1944.0	-
24	Total Fixed Solids(mg/l)	4551.0	1414.0	309.0	222.0	176.0	96.0	163.0	101.0	303.0	681.0	785.0	1166.0	-
25	Total Suspended Solids(mg/l)	81.0	34.0	25.0	5.0	17.0	22.0	4.0	7.0	9.0	10.0	14.0	7.0	-
26	Phosphate(mg/l)	1.22	0.142	0.21	0.06	0.09	0.06	BDL	0.27	0.54	0.04	0.2	0.06	-
27	Boron(mg/l)	0.30	BDL	1.3	0.46	1.3	--	1.3	0.9	1.2	0.918	1.2	1.5	-
28	Potassium(mg/l)	102.6	4025.0	26.8	5.7	12.4	22.1	5.9	1.9	35.7	201.0	95.0	100.0	-
29	Flouride(mg/l)	0.69	BDL	0.3	0.4	BDL	0.52	BDL	BDL	BDL	BDL	0.7	0.27	-
30	SAR	15.4	279.69	5.41	2.92	10.26	12.31	7.24	9.07	11.06	334.1	29.96	304.52	-
31	Percent Sodium (%)	31.34	87.93	46.24	40.79	58.90	67.62	35.87	56.17	58.19	99.4	63.65	91.8	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00047	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.01107	-	-	-	-	-	-
38	Zinc(mg/l)	0.00937	-	-	-	-	-	0.04665	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.07405	-	-	-	-	-	-
40	Managanese (mg/l)	1.35649	-	-	-	-	-	0.62832	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/ TUBE WELL/ OPEN WELL KUNDAIM INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	30	-	-	-	-	-	30	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	BDL	-	-	-	-	-	2.1	-	-	-	-	-	6 mg/l or more
3	pH	6.71	-	-	-	-	-	8.04	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	415.0	-	-	-	-	-	333.80	-	-	-	-	-	-
5	BOD(mg/l)	4.3	-	-	-	-	-	4.8	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	540	-	-	-	-	-	<1.8	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	350	-	-	-	-	-	<1.8	-	-	-	-	-	-
10	Fecal Streptococci MPN/100ml	170	-	-	-	-	-	<1.8	-	-	-	-	-	-
11	Turbidity(NTU)	64.80	-	-	-	-	-	1.0	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	232.0	-	-	-	-	-	72.0	-	-	-	-	-	-
14	Chlorides(mg/l)	18.5	-	-	-	-	-	250.0	-	-	-	-	-	-
15	COD(mg/l)	18.0	-	-	-	-	-	16.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.24	-	-	-	-	-	0.56	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	156.0	-	-	-	-	-	124.0	-	-	-	-	-	-
19	Calcium(mg/l)	42.5	-	-	-	-	-	37.68	-	-	-	-	-	-
20	Magnesium(mg/l)	12.2	-	-	-	-	-	7.29	-	-	-	-	-	-
21	Sulphate(mg/l)	9.5	-	-	-	-	-	4.50	-	-	-	-	-	-
22	Sodium(mg/l)	18.5	-	-	-	-	-	15.4	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	249.0	-	-	-	-	-	222.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	99.0	-	-	-	-	-	131.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	54.0	-	-	-	-	-	6.0	-	-	-	-	-	-
26	Phosphate(mg/l)	BDL	-	-	-	-	-	0.02	-	-	-	-	-	-
27	Boron(mg/l)	0.2	-	-	-	-	-	0.7	-	-	-	-	-	-
28	Potassium(mg/l)	10.4	-	-	-	-	-	6.6	-	-	-	-	-	-
29	Flouride(mg/l)	0.22	-	-	-	-	-	BDL	-	-	-	-	-	-
30	SAR	3.5	-	-	-	-	-	2.65	-	-	-	-	-	-
31	Percent Sodium (%)	34.6	-	-	-	-	-	24.56	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.01045	-	-	-	-	-	10.86	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.02512	-	-	-	-	-	11.11	-	-	-	-	-	-
38	Zinc(mg/l)	0.50071	-	-	-	-	-	101.77	-	-	-	-	-	-
39	IronTotal(mg/l)	2.348	-	-	-	-	-	1553.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.70287	-	-	-	-	-	402.16	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BORE WELL/ TUBE WELL / OPENWELL IN CORLIM INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	29	-	-	-	-	-	29	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	7.8	-	-	-	-	-	7.4	-	-	-	-	-	6 mg/l or more
3	pH	6.01	-	-	-	-	-	7.10	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	93.6	-	-	-	-	-	61.23	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	-	-	-	-	-	1.5	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	920	-	-	-	-	-	2.0	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	350	-	-	-	-	-	<1.8	-	-	-	-	-	-
10	Fecal Streptococci MPN/100ml	430	-	-	-	-	-	<1.8	-	-	-	-	-	-
11	Turbidity(NTU)	0.18	-	-	-	-	-	BDL	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	40.0	-	-	-	-	-	16.0	-	-	-	-	-	-
14	Chlorides(mg/l)	20.0	-	-	-	-	-	10.0	-	-	-	-	-	-
15	COD(mg/l)	6.0	-	-	-	-	-	6.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.68	-	-	-	-	-	0.56	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	16.0	-	-	-	-	-	16.0	-	-	-	-	-	-
19	Calcium(mg/l)	4.0	-	-	-	-	-	3.21	-	-	-	-	-	-
20	Magnesium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
21	Sulphate(mg/l)	20.5	-	-	-	-	-	BDL	-	-	-	-	-	-
22	Sodium(mg/l)	19.2	-	-	-	-	-	4.9	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	56.0	-	-	-	-	-	39.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	22.0	-	-	-	-	-	22.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	5.0	-	-	-	-	-	5.0	-	-	-	-	-	-
26	Phosphate(mg/l)	BDL	-	-	-	-	-	0.18	-	-	-	-	-	-
27	Boron(mg/l)	BDL	-	-	-	-	-	0.5	-	-	-	-	-	-
28	Potassium(mg/l)	11.4	-	-	-	-	-	0.9	-	-	-	-	-	-
29	Flouride(mg/l)	0.27	-	-	-	-	-	0.6	-	-	-	-	-	-
30	SAR	11.6	-	-	-	-	-	20.7	-	-	-	-	-	-
31	Percent Sodium (%)	84.84	-	-	-	-	-	34.16	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.00711	-	-	-	-	-	11.36	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.00114	-	-	-	-	-	11.05	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.17139	-	-	-	-	-	1604.0	-	-	-	-	-	-
40	Manganese (mg/l)	0.1246	-	-	-	-	-	398.0	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/TUBE WELL/OPEN WELL IN PILERNE INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	31	-	-	-	-	-	30	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	8.2	-	-	-	-	-	3.1	-	-	-	-	-	6 mg/l or more
3	pH	7.28	-	-	-	-	-	5.92	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	194.5	-	-	-	-	-	233.4	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	3.8	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.2	-	-	-	-	-	BDL	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	540	-	-	-	-	-	11	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	280	-	-	-	-	-	7.8	-	-	-	-	-	-
10	Fecal Streptococci(MPN/100ml)	350	-	-	-	-	-	4.0	-	-	-	-	-	-
11	Turbidity(NTU)	1.04	-	-	-	-	-	1.0	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	22.0	-	-	-	-	-	56.0	-	-	-	-	-	-
14	Chlorides(mg/l)	30.5	-	-	-	-	-	30.0	-	-	-	-	-	-
15	COD(mg/l)	8.0	-	-	-	-	-	16.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	1.10	-	-	-	-	-	1.68	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	0.10	-	-	-	-	-	-
18	Total Hardness(mg/l)	24.0	-	-	-	-	-	104.0	-	-	-	-	-	-
19	Calcium(mg/l)	7.2	-	-	-	-	-	19.2	-	-	-	-	-	-
20	Magnesium(mg/l)	BDL	-	-	-	-	-	13.6	-	-	-	-	-	-
21	Sulphate(mg/l)	5.8	-	-	-	-	-	17.8	-	-	-	-	-	-
22	Sodium(mg/l)	21.8	-	-	-	-	-	15.9	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	121.0	-	-	-	-	-	135.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	40.0	-	-	-	-	-	91.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	8.0	-	-	-	-	-	7.0	-	-	-	-	-	-
26	Phosphate(mg/l)	BDL	-	-	-	-	-	0.02	-	-	-	-	-	-
27	Boron(mg/l)	0.7	-	-	-	-	-	0.2	-	-	-	-	-	-
28	Potassium(mg/l)	3.9	-	-	-	-	-	3.50	-	-	-	-	-	-
29	Flouride(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
30	SAR	10.5	-	-	-	-	-	2.6	-	-	-	-	-	-
31	Percent Sodium (%)	74.7	-	-	-	-	-	20.55	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000121	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	3.44	-	-	-	-	-	-
38	Zinc(mg/l)	0.00351	-	-	-	-	-	111.0	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	165.82	-	-	-	-	-	-
40	Manganese (mg/l)	0.65359	-	-	-	-	-	418.53	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/TUBE WELL/OPEN WELL AT SANCOALE INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	31	-	-	-	-	-	29	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	6.7	-	-	-	-	-	4.9	-	-	-	-	-	6 mg/l or more
3	pH	7.46	-	-	-	-	-	7.5	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	226.6	-	-	-	-	-	290.2	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	-	-	-	-	-	0.1	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	110	-	-	-	-	-	20	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	49	-	-	-	-	-	14	-	-	-	-	-	-
10	Fecal Streptococci (MPN/100ml)	17	-	-	-	-	-	4.5	-	-	-	-	-	-
11	Turbidity(NTU)	1.38	-	-	-	-	-	1.96	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	36.0	-	-	-	-	-	10.0	-	-	-	-	-	-
14	Chlorides(mg/l)	12.49	-	-	-	-	-	24.49	-	-	-	-	-	-
15	COD(mg/l)	6.0	-	-	-	-	-	--	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	-	-	-	-	-	0.56	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	94.0	-	-	-	-	-	96.0	-	-	-	-	-	-
19	Calcium(mg/l)	14.43	-	-	-	-	-	19.24	-	-	-	-	-	-
20	Magnesium(mg/l)	14.1	-	-	-	-	-	11.66	-	-	-	-	-	-
21	Sulphate(mg/l)	1.63	-	-	-	-	-	2.04	-	-	-	-	-	-
22	Sodium(mg/l)	10.2	-	-	-	-	-	58.9	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	126.0	-	-	-	-	-	177.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	75.0	-	-	-	-	-	106.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	3.0	-	-	-	-	-	5.0	-	-	-	-	-	-
26	Phosphate(mg/l)	BDL	-	-	-	-	-	0.02	-	-	-	-	-	-
27	Boron(mg/l)	1,384	-	-	-	-	-	1.5	-	-	-	-	-	-
28	Potassium(mg/l)	6.4	-	-	-	-	-	21.5	-	-	-	-	-	-
29	Flouride(mg/l)	0.419	-	-	-	-	-	BDL	-	-	-	-	-	-
30	SAR	2.70	-	-	-	-	-	14.98	-	-	-	-	-	-
31	Percent Sodium (%)	36.78	-	-	-	-	-	72.24	-	-	-	-	-	-
32	Arsenic(mg/l)	0.000054	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	0.002402	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	0.000115	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.000799	-	-	-	-	-	0.00138	-	-	-	-	-	-
38	Zinc(mg/l)	0.007616	-	-	-	-	-	0.10077	-	-	-	-	-	-
39	IronTotal(mg/l)	0.176511	-	-	-	-	-	0.28765	-	-	-	-	-	-
40	Managanese (mg/l)	0.048338	-	-	-	-	-	0.13024	-	-	-	-	-	-
41	Mercury (mg/l)	0.00049	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/TUBE WELL/ OPEN WELL AT VERNA INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	31	-	-	-	-	-	29	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	5.2	-	-	-	-	-	4.4	-	-	-	-	-	6 mg/l or more
3	pH	7.01	-	-	-	-	-	5.90	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	386.9	-	-	-	-	-	333.7	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.3	-	-	-	-	-	5.8	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	540	-	-	-	-	-	220	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	350	-	-	-	-	-	70	-	-	-	-	-	-
10	Fecal Streptococci (MPN/100ml)	540	-	-	-	-	-	32	-	-	-	-	-	-
11	Turbidity(NTU)	BDL	-	-	-	-	-	1.08	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	56.0	-	-	-	-	-	10.0	-	-	-	-	-	-
14	Chlorides(mg/l)	43.99	-	-	-	-	-	50.0	-	-	-	-	-	-
15	COD(mg/l)	4.0	-	-	-	-	-	8.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	0.56	-	-	-	-	-	1.12	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	78.0	-	-	-	-	-	88.0	-	-	-	-	-	-
19	Calcium(mg/l)	20.04	-	-	-	-	-	21.6	-	-	-	-	-	-
20	Magnesium(mg/l)	6.80	-	-	-	-	-	8.30	-	-	-	-	-	-
21	Sulphate(mg/l)	37.66	-	-	-	-	-	20.2	-	-	-	-	-	-
22	Sodium(mg/l)	36.1	-	-	-	-	-	20.5	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	247.0	-	-	-	-	-	214.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	15.0	-	-	-	-	-	128.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	5.0	-	-	-	-	-	2.0	-	-	-	-	-	-
26	Phosphate(mg/l)	0.03	-	-	-	-	-	BDL	-	-	-	-	-	-
27	Boron(mg/l)	1.9	-	-	-	-	-	0.6	-	-	-	-	-	-
28	Potassium(mg/l)	5.4	-	-	-	-	-	3.2	-	-	-	-	-	-
29	Flouride(mg/l)	0.3	-	-	-	-	-	0.3	-	-	-	-	-	-
30	SAR	9.85	-	-	-	-	-	5.30	-	-	-	-	-	-
31	Percent Sodium (%)	60.72	-	-	-	-	-	44.19	-	-	-	-	-	-
32	Arsenic(mg/l)	0.00084	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00007	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00288	-	-	-	-	-	-
38	Zinc(mg/l)	0.0065	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.06662	-	-	-	-	-	-
40	Managanese (mg/l)	0.00389	-	-	-	-	-	0.508	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BORE WELL/TUBE WELL/ OPEN WELL IN CUNCOLIM INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	31	-	-	-	-	-	28	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	5.8	-	-	-	-	-	1.3	-	-	-	-	-	6 mg/l or more
3	pH	7.52	-	-	-	-	-	6.53	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	433.7	-	-	-	-	-	1858.0	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	4.2	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	0.007	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	920	-	-	-	-	-	17	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	540	-	-	-	-	-	11	-	-	-	-	-	-
10	Fecal Streptococci (MPN/100ml)	350	-	-	-	-	-	4.5	-	-	-	-	-	-
11	Turbidity(NTU)	4.62	-	-	-	-	-	7.21	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	124.0	-	-	-	-	-	118.0	-	-	-	-	-	-
14	Chlorides(mg/l)	32.99	-	-	-	-	-	949.71	-	-	-	-	-	-
15	COD(mg/l)	4.0	-	-	-	-	-	14.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	2.2	-	-	-	-	-	1.12	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	166	-	-	-	-	-	600.0	-	-	-	-	-	-
19	Calcium(mg/l)	44.1	-	-	-	-	-	136.27	-	-	-	-	-	-
20	Magnesium(mg/l)	13.6	-	-	-	-	-	63.18	-	-	-	-	-	-
21	Sulphate(mg/l)	11.29	-	-	-	-	-	612.72	-	-	-	-	-	-
22	Sodium(mg/l)	26.4	-	-	-	-	-	1200.0	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	264.0	-	-	-	-	-	1189.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	179.0	-	-	-	-	-	713.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	4.0	-	-	-	-	-	8.0	-	-	-	-	-	-
26	Phosphate(mg/l)	0.03	-	-	-	-	-	BDL	-	-	-	-	-	-
27	Boron(mg/l)	0.72	-	-	-	-	-	--	-	-	-	-	-	-
28	Potassium(mg/l)	3.5	-	-	-	-	-	525.0	-	-	-	-	-	-
29	Flouride(mg/l)	0.45	-	-	-	-	-	BDL	-	-	-	-	-	-
30	SAR	4.9	-	-	-	-	-	120.17	-	-	-	-	-	-
31	Percent Sodium (%)	34.13	-	-	-	-	-	89.64	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	0.001945	-	-	-	-	-	0.0044	-	-	-	-	-	-
38	Zinc(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	0.208287	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Managanese (mg/l)	0.002242	-	-	-	-	-	0.11308	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/TUBE WELL/OPEN WELL IN BETHORA INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	30	-	-	-	-	-	29	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	6.1	-	-	-	-	-	8.4	-	-	-	-	-	6 mg/l or more
3	pH	6.26	-	-	-	-	-	5.3	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	98.33	-	-	-	-	-	99.55	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	2.65	-	-	-	-	-	2.57	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	350	-	-	-	-	-	<1.8	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	220	-	-	-	-	-	<1.8	-	-	-	-	-	-
10	Fecal Streptococci (MPN/100ml)	280	-	-	-	-	-	<1.8	-	-	-	-	-	-
11	Turbidity(NTU)	BDL	-	-	-	-	-	1.59	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	14.0	-	-	-	-	-	24.0	-	-	-	-	-	-
14	Chlorides(mg/l)	15.0	-	-	-	-	-	15.99	-	-	-	-	-	-
15	COD(mg/l)	BDL	-	-	-	-	-	4.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	5.04	-	-	-	-	-	1.12	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	0.054	-	-	-	-	-	-
18	Total Hardness(mg/l)	24.0	-	-	-	-	-	60.0	-	-	-	-	-	-
19	Calcium(mg/l)	3.2	-	-	-	-	-	8.0	-	-	-	-	-	-
20	Magnesium(mg/l)	3.9	-	-	-	-	-	9.72	-	-	-	-	-	-
21	Sulphate(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
22	Sodium(mg/l)	21.4	-	-	-	-	-	10.3	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	59.0	-	-	-	-	-	55.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	41.0	-	-	-	-	-	33.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	3.0	-	-	-	-	-	5.0	-	-	-	-	-	-
26	Phosphate(mg/l)	0.04	-	-	-	-	-	BDL	-	-	-	-	-	-
27	Boron(mg/l)	0.72	-	-	-	-	-	0.87	-	-	-	-	-	-
28	Potassium(mg/l)	0.4	-	-	-	-	-	0.95	-	-	-	-	-	-
29	Flouride(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
30	SAR	11.4	-	-	-	-	-	3.46	-	-	-	-	-	-
31	Percent Sodium (%)	75.45	-	-	-	-	-	38.83	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000058	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.01411	-	-	-	-	-	-
38	Zinc(mg/l)	0.00124	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	0.07649	-	-	-	-	-	-
40	Managanese (mg/l)	0.00952	-	-	-	-	-	0.09451	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

BOREWELL/ TUBEWELL/OPENWELL IN MADKAI INDUSTRIAL ESTATE														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for class A as per CPCB classification based on designated best use
1	Temperature°C	30	-	-	-	-	-	29	-	-	-	-	-	-
2	Dissolved Oxygen(mg/l)	4.7	-	-	-	-	-	9.0	-	-	-	-	-	6 mg/l or more
3	pH	7.12	-	-	-	-	-	5.8	-	-	-	-	-	6.5-8.5
4	Conductivity(µs/cm)	93.44	-	-	-	-	-	90.7	-	-	-	-	-	-
5	BOD(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	2 mg/l or less
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	1.92	-	-	-	-	-	2.00	-	-	-	-	-	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
8	Total Coliform(MPN/100ml)	1600	-	-	-	-	-	<1.8	-	-	-	-	-	50 or less MPN/100ml
9	Fecal Coliform(MPN/100ml)	430	-	-	-	-	-	<1.8	-	-	-	-	-	-
10	Fecal Streptococci (MPN/100ml)	350	-	-	-	-	-	<1.8	-	-	-	-	-	-
11	Turbidity(NTU)	BDL	-	-	-	-	-	0.22	-	-	-	-	-	-
12	Phenolphthalein Alkalinity(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
13	Total Alkalinity(mg/l)	20.0	-	-	-	-	-	26.0	-	-	-	-	-	-
14	Chlorides(mg/l)	14.50	-	-	-	-	-	14.99	-	-	-	-	-	-
15	COD(mg/l)	4.0	-	-	-	-	-	6.0	-	-	-	-	-	-
16	Total Kjeldahl Nitrogen(mg/l)	5.60	-	-	-	-	-	1.68	-	-	-	-	-	-
17	Ammonia (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
18	Total Hardness(mg/l)	20.0	-	-	-	-	-	54.00	-	-	-	-	-	-
19	Calcium(mg/l)	4.8	-	-	-	-	-	7.2	-	-	-	-	-	-
20	Magnesium(mg/l)	BDL	-	-	-	-	-	8.75	-	-	-	-	-	-
21	Sulphate(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
22	Sodium(mg/l)	21.7	-	-	-	-	-	10.7	-	-	-	-	-	-
23	Total Dissolved Solids(mg/l)	56.0	-	-	-	-	-	50.0	-	-	-	-	-	-
24	Total Fixed Solids(mg/l)	38.0	-	-	-	-	-	30.0	-	-	-	-	-	-
25	Total Suspended Solids(mg/l)	3.0	-	-	-	-	-	2.0	-	-	-	-	-	-
26	Phosphate(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
27	Boron(mg/l)	1.02	-	-	-	-	-	0.91	-	-	-	-	-	-
28	Potassium(mg/l)	0.4	-	-	-	-	-	0.83	-	-	-	-	-	-
29	Flouride(mg/l)	0.23	-	-	-	-	-	0.68	-	-	-	-	-	-
30	SAR	11.8	-	-	-	-	-	3.79	-	-	-	-	-	-
31	Percent Sodium (%)	76.59	-	-	-	-	-	41.96	-	-	-	-	-	-
32	Arsenic(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.00004	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	0.00104	-	-	-	-	-	-
38	Zinc(mg/l)	0.00218	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
40	Managanese (mg/l)	0.02267	-	-	-	-	-	0.02937	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

SALMONA SPRING														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit for drinking water standards as per CPCB classification based on designated best use
1	Temperature°C	30	30	30	30	28	29	27	29	29	29	29	29	-
2	Dissolved Oxygen(mg/l)	7.1	7.5	7.3	7.3	7.7	7.6	7.0	6.5	7.7	7.5	9.0	5.1	
3	pH	6.88	6.92	5.76	5.53	5.58	5.71	5.25	5.33	6.1	7.3	7.82	6.15	6.5-8.5
4	Conductivity(µs/cm)	53.77	93.00	72.31	118.5	120.2	193.3	101.75	110.5	93.5	125.3	77.45	83.08	-
5	BOD(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
6	Nitrate Nitrogen as NO ₃ -N(mg/l)	0.6	0.3	BDL	3.88	0.8	4.100	2.1	BDL	BDL	0.1	0.108	0.3	-
7	Nitrite Nitrogen as NO ₂ -N mg/l	BDL	BDL	BDL	BDL	0.019	BDL	BDL	BDL	BDL	BDL	0.006	BDL	-
8	Total Coliform(MPN/100ml)	920	46	540	790	920	460	270	170	280	350	33	130	-
9	Fecal Coliform(MPN/100ml)	540	23	220	330	350	330	220	130	140	170	23	78	-
10	Fecal Streptococci (MPN/100ml)	350	14	140	220	140	21	110	39	47	49	14	32	-
11	Turbidity(NTU)	1.6	3.60	1.66	1.04	1.42	1.45	BDL	0.85	1.0	1.9	2.59	BDL	1 NTU
12	Phenolphthalein Alkalinity(mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	-
13	Total Alkalinity(mg/l)	20.0	18.0	10.0	10.0	32.0	16.0	14.0	10.0	16.0	22.0	30.0	20.0	200 mg/l
14	Chlorides(mg/l)	9.5	19.50	12.2	17.49	21.99	34.9	18.0	16.99	19.0	18.5	11.99	11.50	250 mg/l
15	COD(mg/l)	4.0	4.0	6.0	6.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	-
16	Total Kjeldahl Nitrogen(mg/l)	1.1	0.56	1.1	1.12	1.68	0.56	0.56	1.68	0.56	0.56	0.56	1.12	-
17	Ammonia (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.06	0.5 mg/l
18	Total Hardness(mg/l)	12.0	20.0	16.0	18.0	16.0	36.0	64.0	32.0	32.0	14.0	38.0	26.0	200 mg/l
19	Calcium(mg/l)	BDL	4.01	3.2	4.8	4.0	8.0	10.4	8.8	7.2	3.2	5.61	5.61	75 mg/l
20	Magnesium(mg/l)	BDL	2.43	BDL	1.5	1.5	3.9	9.2	2.4	3.4	1.5	5.83	2.92	30 mg/l
21	Sulphate(mg/l)	2.7	6.33	3.47	2.65	1.0	BDL	BDL	94.4	3.5	2.7	2.2	22.62	200 mg/l
22	Sodium(mg/l)	6.2	16.6	17.9	30.8	6.8	23.5	13.4	48.0	56.2	52.1	5.8	9.5	-
23	Total Dissolved Solids(mg/l)	35.0	59.0	42.0	70.0	69.0	114.0	62.0	66.0	60.0	80.0	43.0	51.0	500 mg/l
24	Total Fixed Solids(mg/l)	11.0	35.0	17.0	45.0	23.0	82.0	40.0	26.0	36.0	48.0	25.0	30.0	-
25	Total Suspended Solids(mg/l)	3.0	8.0	2.0	3.0	5.0	4.0	BDL	3.0	3.0	3.0	6.0	8.0	-
26	Phosphate(mg/l)	BDL	0.03	BDL	BDL	BDL	BDL	0.02	0.01	BDL	0.02	BDL	BDL	-
27	Boron(mg/l)	0.4	0.7	BDL	0.43	-	-	0.3	1.4	0.5	0.3	0.7	0.4	-
28	Potassium(mg/l)	0.2	7.3	9.5	12.9	1.9	12.1	2.7	34.0	18.0	26.2	0.3	1.4	-
29	Flouride(mg/l)	BDL	0.5	BDL	BDL	0.2	BDL	0.2	0.4	BDL	BDL	0.23	BDL	1 mg/l
30	SAR	4.69	9.25	8.77	17.4	4.11	9.63	4.28	20.24	24.4	34.12	2.43	4.6	-
31	Percent Sodium (%)	64.64	78.77	84.20	87.46	61.41	74.95	45.10	87.94	87.5	94.38	34.78	56.11	-
32	Arsenic(mg/l)	0.000152	-	-	-	-	-	BDL	-	-	-	-	-	-
33	Cadmium(mg/l)	0.000037	-	-	-	-	-	BDL	-	-	-	-	-	-
34	Copper(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
35	Lead(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
36	Chromium(mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
37	Nickel(mg/l)	BDL	-	-	-	-	-	3.16	-	-	-	-	-	-
38	Zinc(mg/l)	0.00187	-	-	-	-	-	BDL	-	-	-	-	-	-
39	IronTotal(mg/l)	BDL	-	-	-	-	-	217.86	-	-	-	-	-	-
40	Manganese (mg/l)	0.03003	-	-	-	-	-	203.62	-	-	-	-	-	-
41	Mercury (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
42	Alpha HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
43	Hexachlorobenzene (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
44	Beta HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
45	Gamma HCH (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
46	Heptachlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
47	Aldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
48	Trans -Heptachlor endo-epoxide (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
49	Alpha Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
50	p,p'-DDE (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
51	Dieldrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
52	Endrin (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
53	Beta Endosulfan (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
54	p,p'-DDD (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
55	o,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
56	p,p'-DDT (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
57	Methoxychlor (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
58	Malathion (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-
59	Chlorpyrifos (mg/l)	BDL	-	-	-	-	-	BDL	-	-	-	-	-	-

INLET STP TONCA-PANAJI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit
1	Temp (°C)	-	-	-	-	-	-	-	-	-	-	-	-	-
2	pH	8.31	5.94	7.65	7.08	7.53	6.7	6.75	6.60	7.22	6.96	7.01	6.87	-
3	BOD(mg/l)	833.3	785.7	655.1	105.62	23.40	420.1	833.3	124.0	349.4	583.3	611.1	380.9	-
4	Total Coliform(MPN/100ml)	1600	220 x 10 ⁵	54000000	240 X 10 ⁴	350 x 10 ⁵	350x10 ⁵	110x10 ⁵	79x10 ⁵	350X10 ⁵	350x10 ⁵	23X10 ⁵	350X10 ⁵	-
5	Fecal Coliform(MPN/100ml)	920	70 x 10 ⁵	17000000	79 X 10 ⁴	130 x 10 ⁵	280x10 ⁵	49x10 ⁵	33x10 ⁵	110X10 ⁵	240x10 ⁵	13X10 ⁵	130X10 ⁵	-
6	Fecal Streptococci(MPN/100ml)	430	790	24000	70 X 10 ²	33 x 10 ³	170x10 ⁴	140x10 ³	39x10 ³	12X10 ³	21x10 ³	11X10 ⁴	110X10 ³	-
7	E.coli	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	-
8	COD(mg/l)	1760.0	1800.0	1720.0	240.0	90.0	840.0	1640.0	240.0	600.0	1040.0	1400.0	800.0	-
9	Ammonia (mg/l)	132.6	1.91	15.37	2.13	1.96	2.87	33.3	2.04	3.3	17.36	51.5	59.50	-
10	Total Suspended Solids(mg/l)	350.0	450.0	380.0	121.0	44.0	585.0	1370.0	240.0	280.0	680.0	550.0	380.0	-
11	Phosphate(mg/l)	26.32		3.71	2.09	0.54	3.149	7.75	0.794	-	-	27.59	81.63	-
12	Oil & Grease (mg/l)	-	-	-	-	-	-	-	-	<10.0	<10.0	-	-	-
13	MLSS (mg/l)	330.0	780.0	690.0	165.0	32.0	1540.0	1090.0	430.0	282.0	540.0	510.0	370.0	-
14	MLVSS (mg/l)	30.0	590.0	430.0	96.0	23.0	880.0	600.0	280.0	180.0	675.0	400.0	290.0	-
15	Residual Chlorine (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Boron (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Arsenic(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Cadmium(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Copper(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Lead(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Chromium(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Nickel(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Zinc(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
24	IronTotal(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Manganese (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-

OUTLET STP TONCA -PANAJI														
Sr. No	Parameters	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Limit
1	Temp (°C)	-	-	-	-	-	-	-	-	-	-	-	-	-
2	pH	7.50	7.31	7.25	7.25	6.83	7.47	7.16	6.91	7.33	7.34	7.44	7.09	5.5-9.0
3	BOD(mg/l)	7.2	7.2	11.4	6.8	5.6	8.8	6	8.4	7.6	8.8	7.2	13.2	10.0
4	Total Coliform(MPN/100ml)	150	240	<1.8	240	13	920	<1.8	920	920	33	540	920	-
5	Fecal Coliform(MPN/100ml)	94	130	<1.8	79	7.8	350	<1.8	280	350	11	220	110	100 or less MPN/100ml
6	Fecal Streptococci(MPN/100ml)	79	47	<1.8	32	<1.8	170	<1.8	94	220	4.5	79	79	-
7	E.coli	PRESENT	PRESENT	ABSENT	PRESENT	ABSENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	-	PRESENT	-
8	COD(mg/l)	20.0	20.0	30.0	20.0	20.0	20.0	20.0	20.0	20.0	40.0	20.0	30.0	50.0
9	Ammonia (mg/l)	3.12	0.31	0.05	2.77	0.01	0.25	3.176	0.27	BDL	0.36	0.151	BDL	5.0
10	Total Suspended Solids(mg/l)	7.0	8.0	17.0	5.0	8.0	15.0	4.0	20.0	7.0	5.0	7.0	15.0	20.0
11	Phosphate(mg/l)	0.3	0.01	0.1	0.11	0.03	0.26	0.09	0.228	BDL	3.74	0.8	0.451	-
12	Oil & Grease (mg/l)	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.0
13	MLSS (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Residual Chlorine (mg/l)	0.89	5.1	5.5	4.9	2.3	5.8	1.8	5.8	1.42	7.2	1.8	1.8	1.0
15	Boron (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Arsenic(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Cadmium(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Copper(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Lead(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Chromium(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Nickel(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Zinc(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
23	IronTotal(mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Manganese (mg/l)	-	-	-	-	-	-	-	-	-	-	-	-	-

BDL- BELOW DETECTION LIMIT