

ANNEXURE-VIII-A
CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) JANUARY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	8	9	463	1.4	<1	39	220	4.63	<1	164	40	16	1.12	0.56	138	32	14	31	39	368	300	4	<0.5	<0.002	5	0.51	B
2	Pallipalayam	8	8	488	1.2	<1	430	1400	3.12	8	180	54	8	1.12	0.56	156	47	9	14	48	372	312	4	<0.5	<0.002	5	0.42	C
3	Musiri borewell							No Flow																				
4	Musiri ferrygate	7	8	692	1.1	<1	430	1200	3.47	<1	216	167	16	1.12	0.28	216	52	21	65	35	512	500	8	<0.5	<0.002	8	0.42	C

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME JANUARY 2018)

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	6.8	7.1	139	0.8	<1	27	130	4.72	<1	68	16	8	0.56	0.28	58	15	4	4.3	10	108	96	4	<0.5	<0.002	2	0.42	B
2	Sirumugai	7.1	7.1	221	1.2	<1	120	350	1.48	<1	88	23	8	0.56	0.28	76	18	7	19	19	184	160	4	<0.50	<0.002	3	0.25	B
3	Bhavani sagar	5.8	6.9	175	1	<1	260	1100	4.6	<1	80	21	16	1.12	0.56	66	25	1	14	11	168	140	20	<0.50	<0.002	3	0.61	C
4	Bhavani	5.4	7.2	583	1.8	<1	430	1700	5.58	12	192	52	24	2.24	1.12	224	55	21	55	41	424	638	4	<0.5	<0.002	5	0.4	C
5	R.N. Pudur	7.8	7.4	424	1.9	<1	270	630	4.28	<1	156	37	8	1.12	0.56	172	32	22	32	35	348	288	4	<0.5	<0.002	5	0.39	C
6	Vairapalayam	6	7.1	488	0.7	<1	260	1100	6.08	<1	176	53	16	0.56	0.28	142	35	13	36	50	392	308	4	<0.50	<0.002	5	0.6	C
7	P. Velur	7	8.4	543	1.4	<1	310	1100	1.03	<1	148	58	16	1.12	0.28	172	40	17	14	56	368	316	4	<0.50	<0.002	6	0.44	C
8	Mohanur	7.3	8	982	1.1	<1	460	1400	1.7	<1	240	134	16	1.12	0.28	284	79	21	81	101	700	608	4	<0.50	<0.002	8	0.3	C
9	Madathukulam	6.2	6.9	169	1.7	<1	210	580	4.69	<1	60	10	8	1.12	0.28	48	13	4	6	8	112	100	4	<0.50	<0.002	2	0.36	C
10	Thirumukkudal	7.2	7.9	542	1.2	<1	140	540	5.84	8	208	74	16	1.12	0.56	184	40	20	42	61	496	388	4	<0.5	<0.002	6	0.39	C
11	Trichy U/S	7.8	8.3	551	1.3	<1	310	840	2.79	<1	180	67	16	1.12	0.28	164	35	18	51	60	416	380	4	<0.5	<0.002	6	0.39	C
12	Trichy D/S	7.1	8.1	702	0.7	<1	940	2200	3.24	<1	236	93	24	1.12	0.28	218	42	28	52	76	512	496	8	<0.5	<0.002	9	0.41	C
13	Grand Anaicut	6	8	685	3.6	<1	310	1100	1.68	<1	232	97	32	1.68	0.56	208	51	20	56	77	504	480	8	<0.5	<0.002	9	0.43	Below E
14	Coleroon	6.5	7.2	937	2.7	<1	70	350	13.6	<1	220	163	80	1.68	0.84	244	56	25	70	110	748	660	16	<0.50	<0.002	10	0.49	B
15	Pitchavaram	6.3	7.6	920	2.3	<1	79	350	12.4	<1	220	183	64	1.12	0.56	232	54	23	68	107	752	660	12	<0.50	<0.002	7	0.42	B
16	Karunthattankudi	7.1	7.8	525	1.1	<1	110	390	17.4	<1	188	59	16	1.12	0.56	166	37	18	38	54	420	376	12	<0.5	<0.002	6	0.46	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) JANUARY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N.as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	5	7.5	804	1.8	<1	380	1200	3.03	<1	208	54	16	1.68	0.8	176	42	17	62	113	524	464	4	<0.5	<0.002	8	0.7	C
2	Urrachikottai	7.3	8.1	409	0.7	<1	140	390	1.07	<1	172	39	16	0.56	0.3	154	46	9	32	29	392	304	8	<0.50	<0.002	5	0.5	B
3	Chirampalayam	7.8	7.8	437	1.2	<1	130	580	2.14	<1	172	44	8	1.12	0.6	148	36	14	24	42	364	304	4	<0.5	<0.002	5	0.5	C
4	Pugalur	7	7.7	615	2.2	<1	170	580	3.42	8	212	89	24	1.68	0.8	196	47	19	46	76	524	448	4	<0.5	<0.002	7	0.4	C
5	Pettavaithalai	6.9	8.3	635	1.2	<1	430	1400	2.08	<1	216	82	16	1.68	0.3	196	46	20	52	68	500	440	4	<0.5	<0.002	7	0.5	C
6	Kumbakonam	7.3	7.9	499	1.4	<1	180	450	9.74	<1	196	56	16	1.12	0.6	158	36	17	38	48	400	368	8	<0.5	<0.002	6	0.4	B
7	Mayiladurai						No	Flow																				
8	Sathiyamanagalam	7	7.1	190	0.8	<1	93	390	4.46	<1	68	20	8	1.12	0.3	62	20	3	9	12	172	136	4	<0.50	<0.002	3	0.4	B
9	Kalingalrayan Canal (B5)	6.7	7.5	394	0.6	<1	170	470	3.76	<1	144	35	8	0.56	0.3	130	35	10	26	25	300	244	4	<0.5	<0.002	3	0.4	B
10	Kalingalrayan Canal (B10)	6.1	7.5	385	0.5	<1	210	480	3.94	<1	144	40	8	0.56	0.3	150	40	12	28	26	296	248	4	<0.5	<0.002	3	0.5	B
11	Thirumanimuthar	Nil	7.7	2040	38	1.79	6300	17000	5.07	<1	628	328	112	23.5	9.8	470	72	70	32	245	1340	1200	68	24	<0.002	27	0.5	Below E
12	Vasista	Nil	7.9	2080	35	2.43	22000	49000	20.3	<1	664	313	136	17.9	8.7	650	104	95	32	214	1312	1260	76	16.8	<0.002	55	0.7	Below E
13	Sarabanga	0.3	7.5	2930	15.3	1.36	17000	47000	8.46	<1	708	591	184	6.16	2.5	460	108	46	379	437	2200	2100	8	12.7	<0.002	48	0.8	Below E

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection**B** - Outdoor bathing (organised)**C** - Drinking water source after conventional treatment and disinfection**D**-Propagation of wild life and fisheries**E** -Irrigation, Industrial cooling,controlled waste disposal**Below E** Not meeting A,B,C,D & E Criteria

**ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) JANUARY 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	6.6	6.8	68	1.3	0.19	22	40	1.57	<1	8.4	12	16	2.8	1.6	16	4.8	0.972	8.1	2	48	42	6	<0.15	<0.002	1	<0.01	A
2	Cheranmad evi	6.9	7.2	118	1.1	0.07	70	110	1.72	<1	14.4	21	32	2.4	1.1	46	13.6	2.91	10.5	4	84	74	8	<0.15	<0.002	1	<0.01	B
3	Kokirakulam	6.7	7.3	130	1.1	0.13	60	130	1.25	<1	15.6	23	24	3.3	1.6	58	17.6	3.4	11.2	5	92	84	8	<0.15	<0.002	2	<0.01	B
4	Murapanadu	6.9	8.1	690	1	0.15	70	220	8.46	<1	64	42	40	3.36	1.12	72	24	2.91	22	84.4	488	474	8	<0.15	<0.002	36.7	<0.01	B
5	Thiruvaidaim arudur	6.5	7.1	102	1	0.08	40	70	2.08	<1	13.2	18	16	2.4	0.56	38	11.2	2.43	9.8	3	72	62	6	<0.15	<0.002	1	<0.01	B
6	Ambasamu dram	6.8	6.9	79	2.1	0.12	26	60	1.46	<1	9.6	14	24	2.2	1.1	20	5.6	1.45	8.7	3	56	48	6	<0.15	<0.002	1	<0.01	B
7	Author	6.4	8	192	1.8	0.12	26	70	2.01	<1	36	18	24	1.12	<0.56	38	13.6	0.972	12	34	136	128	6	<0.15	<0.002	12	<0.01	B
8	Eral	6.6	8	214	2.2	0.07	24	110	2.52	<1	38	26	16	2.24	0.56	42	14.4	1.45	15	28	152	146	6	<0.15	<0.002	15	<0.01	B
9	Kallidai Kurichi	6.7	7.1	88	1.5	0.11	30	80	2.01	<1	10.8	16	24	1.6	0.56	26	7.2	1.94	9.4	3	62	56	6	<0.15	<0.002	2	<0.01	B
10	Srivaikunta m	6.5	8.2	442	2.1	0.09	60	170	2.84	<1	52	34	24	2.24	0.56	56	19.2	1.94	18	76.9	312	304	8	<0.15	<0.002	1	<0.01	B
11	Vellakovil	6.4	7.4	163	1	0.17	50	170	1.63	<1	16.8	25	32	3.3	1.1	64	19.2	3.88	13.3	5	114	102	8	<0.15	<0.002	2	<0.01	B
12	Sivalaperi	6.8	7.5	176	1.3	0.21	80	220	1.59	<1	18	27	16	2.8	1.7	68	20	4.37	15.6	6	118	108	8	<0.15	<0.002	3	<0.01	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) JANUARY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai								No	Flow																			
2	Palar								No	Flow																			

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - **Drinking water source after conventional treatment and disinfection**

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI
LAKE WATER QUALITY(UNDER MINARS PROGRAMME) Month of January - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagama ndalam	3.20	6.64	534.00	6.60	<1	460.00	1700.00	5.08	<1	92.00	53.00	40.00	2.24	1.12	112.00	38.00	4.00	10.00	34.00	412.00	300.00	4.00	<0.50	<0.002	14.00	0.42	Below E
2	Kodaikanal	7.10	7.10	101.90	5.20	0.26	33.00	48.00	2.93	<1	32.00	13.50	32.00	4.48	3.36	31.04	9.32	1.82	7.00	8.10	60.00	54.00	6.00	1.00	0.03	0.50	0.13	Below E
3	Yercaud	7.00	7.87	321.00	1.70	<1	78.00	380.00	11.60	<1	108.00	40.00	16.00	1.68	0.84	84.00	26.00	4.00	5.00	28.00	220.00	208.00	4.00	<0.50	<0.002	9.00	0.36	B
4	Veeranam	7.90	7.48	509.00	1.60	<1	39.00	280.00	4.24	12.00	164.00	71.00	16.00	1.12	0.56	168.00	37.00	18.00	38.00	50.00	400.00	348.00	4.00	<0.5	<0.002	7.00	0.42	B
5	Poondi	7.40	7.26	364.00	4.00	><1	230.00	1100.00	0.10	<1	145.00	26.00	32.00	6.00	3.00	114.00	28.00	11.00	29.00	24.00	208.00	162.00	36.00	<0.5	<0.001	4.00	0.41	Below E
6	Red Hills	7.60	7.54	517.00	6.00	<1	210.00	1300.00	0.80	<1	140.00	82.00	40.00	6.00	3.00	126.00	34.00	10.00	51.00	54.00	344.00	276.00	26.00	<0.5	<0.001	10.00	0.57	Below E
7	Porur	7.80	7.34	360.00	3.00	<1	270.00	2400.00	0.10	<1	110.00	43.00	24.00	6.00	3.00	108.00	30.00	8.00	49.00	31.00	224.00	176.00	22.00	<0.5	<0.001	5.00	0.45	C
8	Pulicat	6.80	7.82	37700.00	4.00	<1	<1.8	330.00	2.00	<1	130.00	16144.00	208.00	6.00	3.00	6400.00	321.00	1361.00	1261.00	7100.00	28882.00	24826.00	132.00	<0.5	<0.001	190.00	1.40	Below E

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-A
CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FEBRUARY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N.as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	7.4	7.7	484.0	2.0	<1	110.0	340.0	6.0	20.0	172.0	42.0	8.0	2.2	1.1	140.0	29.0	17.0	20.0	40.0	352.0	240.0	8.0	<0.5	<0.002	3.0	0.3	B
2	Pallipalayam	7.0	8.0	760.0	3.0	<1	940.0	2200.0	12.2	20.0	204.0	100.0	24.0	3.4	1.1	200.0	45.0	21.0	50.0	102.0	564.0	480.0	4.0	<0.5	<0.002	9.0	0.7	C
3	Musiri borewell					No	Flow																					
4	Musiri ferrygate	7.2	8.0	577.0	4.0	<1	460.0	1200.0	3.0	20.0	188.0	72.0	24.0	2.2	1.1	164.0	33.0	19.0	32.0	72.0	424.0	376.0	4.0	<0.5	<0.002	7.0	0.5	Below E

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FEBRUARY - 2018)

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthalein Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Bathira kalamman koil	7	7.0	133	1	<1	25	120	4.01	<1	60.00	9.00	8.00	1.12	0.6	40.00	8.00	5.00	0.66	10.00	108.00	92.00	4.00	<0.5	<0.002	2.00	0.57	B	
2	Sirumugai	7	8.0	366	2	<1	110	340	4.00	12.00	128.00	35.00	16.00	2.24	1.1	104.00	21.00	13.00	22.00	38.00	280.00	224.00	8.00	<0.50	<0.002	4.20	0.73	B	
3	Bhavani sagar	6	7.2	188	2	<1	32	94	3.06	<1	84.00	24.00	8.00	2.24	0.6	80.00	21.00	7.00	18.00	12.00	164.00	140.00	4.00	<0.50	<0.002	3.20	0.25	B	
4	Bhavani	6	8.0	501	1	<1	700	1700	3.25	8.00	144.00	59.00	16.00	4.48	2.2	208.00	53.00	19.00	23.00	40.00	412.00	308.00	8.00	<0.50	<0.002	4.00	0.51	C	
5	R.N. Pudur	7	7.3	529	3	<1	230	630	2.06	<1	192.00	94.00	24.00	6.00	2.2	152.00	32.00	17.00	31.00	55.20	460.00	400.00	4.00	<0.5	<0.002	5.40	0.36	C	
6	Vairapalayam	7	8.0	527	2	<1	330	790	7.00	12.00	152.00	51.00	16.00	4.48	2.0	180.00	42.00	18.00	18.00	36.20	388.00	296.00	4.00	<0.50	<0.002	4.00	0.39	C	
7	P. Velur	7	8.0	902	2	<1	940	2200	2.00	24.00	224.00	129.00	24.00	4.48	2.3	224.00	42.00	29.00	55.00	111.00	712.00	544.00	8.00	<0.50	<0.002	9.10	0.58	C	
8	Mohanur	7	8.0	821	2	<1	630	1700	3.04	20.00	220.00	110.00	16.00	3.36	1.7	200.00	37.00	26.00	48.00	97.40	704.00	516.00	4.00	<0.50	<0.002	8.20	0.51	C	
9	Madathukulam						No Flow																						
10	Thirumukkudal	8	8.0	708	1	<1	130	410	5.00	16.00	192.00	96.00	16.00	2.24	1.1	196.00	35.00	26.00	46.00	81.00	612.00	432.00	4.00	<0.5	<0.002	7.00	0.38	B	
11	Trichy U/S	6	8.0	582	3	<1	490	1400	9.00	20.00	180.00	75.00	24.00	2.24	1.1	164.00	34.00	19.00	35.00	73.00	448.00	392.00	4.00	<0.50	<0.002	7.00	0.42	C	
12	Trichy D/S	6	8.0	846	6	<1	1300	2800	9.40	16.00	244.00	108.00	32.00	6.00	2.2	232.00	50.00	26.00	44.00	101.00	596.00	508.00	8.00	<0.50	<0.002	12.30	0.78	Below E	
13	Grand Anaicut	4	8.0	805	4	<1	700	1700	6.00	24.00	224.00	97.00	24.00	3.36	2.0	224.00	42.00	29.00	43.00	97.00	584.00	484.00	4.00	<0.50	<0.002	12.00	0.54	Below E	
14	Coleroon	8	8.0	13120	2	<1	460	1700	31.00	12.00	184.00	3799.00	192.00	3.36	1.1	1302.00	80.00	269.00	177.00	2716.00	9220.00	7400.00	40.00	<0.50	<0.002	136.00	0.53	C	
15	Pitchavaram	6	8.0	1334	3	<1	1400	3500	28.00	<1	144.00	280.00	16.00	2.24	0.6	236.00	56.00	23.00	60.00	127.00	828.00	644.00	4.00	<0.5	<0.002	10.00	0.74	C	
16	Karunthattankudi	8	8.0	738	2	<1	260	630	10.00	8.00	200.00	113.00	16.00	3.36	2.0	200.00	38.00	25.00	40.00	84.00	600.00	468.00	4.00	<0.50	<0.002	6.20	0.65	B	

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FEBRUARY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N.as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Komarapalayam	5	7.3	705	4	<1	630	1400	3.41	<1	216.00	205.00	24.00	4.48	2.0	184.00	24.00	30.00	31.00	108.00	588.00	472.00	4.00	<0.5	<0.002	10.00	0.56	below E	
2	Urrachikottai	6	8.0	448	4	<1	270	790	2.43	24.00	148.00	51.00	24.00	3.36	2.0	144.00	29.00	18.00	22.00	46.00	384.00	296.00	4.00	<0.5	<0.002	5.10	0.47	below E	
3	Seerampalayam	6	8.0	497	1	<1	210	630	4.07	12.00	196.00	55.00	16.00	2.24	1.1	168.00	35.00	19.00	25.00	60.00	400.00	332.00	4.00	<0.5	<0.002	6.00	0.47	C	
4	Pugalur	8	8.0	974	1	<1	170	460	2.47	12.00	232.00	135.00	16.00	2.24	1.1	288.00	51.00	39.00	64.00	102.00	700.00	584.00	8.00	<0.5	<0.002	10.00	0.46	B	
5	Pettavaithalai	7	8.0	773	4	<1	700	2200	4.28	20.00	240.00	104.00	24.00	2.24	1.1	216.00	37.00	30.00	45.00	95.00	620.00	496.00	4.00	<0.5	<0.002	7.00	0.47	below E	
6	Kumbakonam	6	8.0	604	3	<1	210	580	19.20	12.00	188.00	82.00	16.00	2.24	1.1	176.00	34.00	22.00	40.00	62.00	464.00	388.00	4.00	<0.5	<0.002	7.20	0.55	B	
7	Mayiladurai						No	Flow																					
8	Sathiyamanagalam	6	8.0	240	3	<1	170	430	9.00	<1	80.00	29.00	16.00	3.36	1.1	80.00	21.00	7.00	19.00	18.00	200.00	164.00	8.00	<0.5	<0.002	4.00	0.33	B	
9	Kalingalrayan Canal (B5)	7	7.3	707	1	<1	220	490	3.00	16.00	156.00	54.00	16.00	2.24	1.1	168.00	48.00	12.00	20.00	35.00	492.00	324.00	4.00	<0.5	<0.002	4.00	0.51	B	
10	Kalingalrayan Canal (B10)	7	8.0	541	2	<1	260	630	4.44	12.00	164.00	51.00	16.00	2.24	1.1	168.00	48.00	12.00	20.00	36.40	424.00	300.00	4.00	<0.5	<0.002	4.00	0.40	C	
11	Thirumanimuthar	Nil	7.4	2430	76	<1	26000	47000	25.00	<1	530.00	367.00	448.00	13.44	8.0	468.00	64.00	75.00	55.00	232.00	1680.00	1260.00	20.00	22.00	<0.002	31.40	1.19	below E	
12	Vasista	Nil	7.4	1711	48	<1	21000	43000	14.00	<1	336.00	266.00	272.00	9.00	4.5	332.00	67.00	39.00	76.00	197.00	1124.00	932.00	4.00	20.00	<0.002	39.10	1.32	below E	
13	Sarabanga	Nil	7.0	2780	260	3.48	140000	280000	91.10	<1	850.00	391.00	752.00	20.00	11.2	656.00	93.00	103.00	52.00	208.00	1820.00	1588.00	112.00	23.00	<0.002	136.00	2.00	below E	

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE - IX

TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FEBRUARY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7	8.0	86	2	0.18	26	50	8.00	<1	8.40	9.00	16.00	2.24	0.6	30.00	5.00	1.00	8.10	2.00	62.00	56.00	4.00	<0.15	<0.002	1.0	<0.01	A
2	Cheranma dev	7	8.0	124	2	0.08	22	60	3.28	<1	14.40	19.00	24.00	3.36	1.7	40.00	10.40	3.00	10.40	6.00	88.00	74.00	8.00	<0.15	<0.002	2.0	<0.01	B
3	Kokirakulam	7	8.0	132	2	0.05	30	110	1.23	<1	17.00	21.00	32.00	3.00	2.0	42.00	14.00	3.40	11.20	8.00	92.00	82.00	6.00	<0.15	<0.002	2.0	<0.01	B
4	Murapandu	7	8.0	251	2	0.24	17	50	2.23	<1	22.00	24.00	24.00	2.00	0.6	48.00	20.00	4.00	14.00	10.00	172.00	124.00	8.00	<0.15	<0.002	3.0	<0.01	A
5	Thiruvudaimarudur	7	8.0	116	3	0.09	30	70	3.47	<1	13.20	16.00	32.00	2.24	1.1	38.00	7.20	2.43	10.00	4.00	82.00	72.00	6.00	<0.15	<0.002	1.0	<0.01	B
6	Ambasamudram	7	8.0	98	2	0.12	30	70	7.00	<1	10.00	10.00	24.00	2.00	0.6	32.00	6.00	1.45	9.00	2.00	70.00	62.00	4.00	<0.15	<0.002	1.0	<0.01	B
7	Authoroor	7	9.0	405	1	0.29	50	140	3.00	<1	24.00	32.00	32.00	3.36	1.1	72.00	22.00	4.37	18.00	13.00	288.00	228.00	10.00	<0.15	<0.002	2.0	<0.01	B
8	Eral	7	8.4	217	2	0.08	34	110	1.44	<1	17.00	21.00	24.00	2.00	0.6	66.00	14.00	3.40	12	8.00	162.00	118.00	6.00	<0.15	<0.002	2.0	<0.01	B
9	Kallidai Kurichi	6	8.0	2	2	0.11	40	80	6.00	<1	11.00	12.00	32.00	3.00	1.1	34.00	6.40	2.00	9.20	3.00	76.00	66.00	6.00	<0.15	<0.002	1.0	<0.01	B
10	Srivaikuntam	7	8.4	179	3	0.05	30	90	2.00	<1	20.00	16.00	16.00	3.00	1.1	38.00	10.00	3.00	10.00	6.00	116.00	82.00	6.00	<0.15	<0.002	2.0	<0.01	B
11	Vellakovil	7	8.0	146	3	0.24	50	130	2.00	<1	20.40	25.00	40.00	4.00	2.2	42	21.00	4.00	12.30	10.00	102.00	94.00	6.00	<0.15	<0.002	3.0	<0.01	B
12	Sivalaperi	7	8.0	177	3	0.29	70	170	1.04	<1	22.00	29.00	32.00	4.48	3.0	60.00	22.00	4.37	15	13.00	124.00	112.00	6.00	<0.15	<0.002	2.0	<0.01	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FEBRUARY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No	Flow																					
2	Palar						No	Flow																					

*CPCB-GEMS / MINARS Water quality criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

**ANNEXURE -XI
LAKE WATER QUALITY(UNDER MINARS PROGRAMME) FEBRUARY - 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagama ndalam	3.20	7.00	590.00	11.00	<1	2200.00	4100.00	31.10	<1	92.00	61.00	48.00	11.20	7.00	136.00	37.00	11.00	11.00	40.00	396.00	276.00	48.00	<0.5	<0.002	15.10	0.44	Below E
2	Kodaikanal	6.30	7.06	119.20	4.00	<0.2	49.00	63.00	6.40	<1	29.00	15.00	48.00	4.48	3.36	31.04	7.74	2.83	<2	8.00	66.00	60.00	6.00	<0.15	0.03	0.60	<0.01	Below E
3	Yercaud	6.20	6.10	317.00	4.20	<1	210.00	460.00	13.00	<1	100.00	43.00	24.00	3.36	2.00	108.00	29.00	9.00	4.20	29.00	280.00	204.00	8.00	<0.5	<0.002	9.00	0.36	Below E
4	Veeranam	7.00	8.00	443.00	5.00	<1	1100.00	2800.00	26.00	<1	188.00	53.00	24.00	2.24	1.12	148.00	30.00	17.00	33.00	42.00	404.00	328.00	4.00	<0.5	<0.002	7.00	0.34	Below E
5	Poondi	7.00	8.00	475.00	12.00	<1	260.00	1400.00	0.83	<1	150.00	47.00	56.00	6.00	3.00	124.00	33.00	10.00	47.00	47.00	272.00	264.00	18.00	<0.5	<0.001	5.00	0.57	Below E
6	Red Hills	7.00	8.00	396.00	7.00	<1	<1.8	410.00	0.21	<1	125.00	45.00	32.00	6.00	3.00	116.00	30.00	10.00	36.00	32.00	224.00	184.00	22.00	<0.5	<0.001	6.00	0.37	Below E
7	Porur	6.40	8.00	580.00	8.00	<1	340.00	2800.00	0.12	<1	175.00	90.00	32.00	6.00	3.00	138.00	36.00	12.00	42.00	57.00	304.00	256.00	32.00	<0.5	<0.001	11.00	0.31	Below E
8	Pulicat	7.00	7.37	45500.00	8.00	<1	45.00	460.00	3.00	<1	160.00	18744.00	280.00	6.00	3.00	5600.00	481.00	1069.00	1689.00	8800.00	29976.00	27324.00	74.00	<0.5	<0.001	180.00	1.52	Below E

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

**ANNEXURE-VIII-A
CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) MARCH - 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	7.00	7.75	498.00	2.50	<1	78.00	260.00	1.66	<1	156.00	38.00	16.00	2.24	1.12	172.00	29.00	24.00	22.00	43.00	372.00	280.00	4.00	<0.5	<0.002	5.00	0.39	B
2	Pallipalayam	3.70	7.64	1680.00	9.60	<1	1700.00	3800.00	8.01	<1	288.00	352.00	32.00	7.28	3.36	260.00	60.00	27.00	95.00	286.00	1188.00	1080.00	12.00	<0.5	<0.002	9.00	0.95	Below E
3	Musiri borewell						No	Flow																				
4	Musiri ferrygate	6.90	7.88	606.00	1.10	<1	330.00	1100.00	5.63	8.00	144.00	80.00	8.00	4.48	1.68	184.00	30.00	19.00	40.00	72.00	496.00	400.00	4.00	<0.5	<0.002	7.00	0.51	C

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

**ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME MARCH - 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	6.70	7.2	201	2	<1	91	320	9.35	<1	44.00	21.00	8.00	1.12	0.6	68.00	18.00	6.00	0.45	12.00	140.00	104.00	4.00	<0.5	<0.002	2.00	0.58	B
2	Sirumugai	8	7.8	219	1	<1	92	330	1.37	<1	60.00	17.00	8.00	1.12	0.6	60.00	16.00	5.00	6.50	13.00	136.00	108.00	4.00	<0.50	<0.002	2.00	0.70	B
3	Bhavani sagar	7	7.7	204	3	<1	33	110	4.56	<1	72.00	25.00	16.00	2.24	0.6	80.00	14.00	11.00	9.00	15.00	136.00	128.00	4.00	<0.50	<0.002	4.00	0.34	B
4	Bhavani	5	7.5	701	4	<1	790	1400	3.08	8.00	200.00	83.00	24.00	4.48	1.7	264.00	27.00	48.00	36.00	77.00	508.00	432.00	8.00	<0.50	<0.002	5.00	0.62	below E
5	R.N. Pudur	6	7.3	582	2	<1	270	790	5.67	8.00	168.00	93.00	16.00	5.60	2.2	160.00	32.00	19.00	34.00	84.00	468.00	400.00	8.00	<0.5	<0.002	7.00	0.69	C
6	Vairapalayam	6	7.4	934	2	<1	340	1100	3.92	<1	188.00	174.00	16.00	6.72	3.4	196.00	38.00	24.00	36.00	130.00	724.00	644.00	4.00	<0.50	<0.002	9.00	0.80	C
7	P. Velur	7	7.9	739	2	<1	700	1700	7.58	<1	144.00	121.00	16.00	6.16	3.4	220.00	72.00	34.00	60.00	85.00	604.00	500.00	8.00	<0.50	<0.002	8.00	0.65	C
8	Mohanur	5	7.8	1708	17	<1	2600	4700	4.52	<1	372.00	308.00	88.00	8.96	5.6	420.00	84.00	58.00	56.00	189.00	1204.00	1100.00	4.00	<0.50	<0.002	88.00	0.93	below E
9	Madathukulam						No	Flow																				
10	Thirumukkudal	7	7.7	761	1	<1	170	470	1.99	12.00	160.00	113.00	8.00	4.48	1.7	208.00	45.00	23.00	64.00	94.00	540.00	504.00	4.00	<0.50	<0.002	18.00	0.44	B
11	Trichy U/S	7	8.0	634	1	<1	790	2100	8.49	8.00	152.00	78.00	8.00	5.60	2.2	204.00	34.00	29.00	36.00	74.00	508.00	400.00	4.00	<0.50	<0.002	7.00	0.51	C
12	Trichy D/S	4	7.8	1517	8	<1	1700	3900	23.50	<1	364.00	223.00	48.00	8.96	4.5	352.00	80.00	37.00	5.30	179.00	972.00	856.00	16.00	<0.5	<0.002	35.00	1.38	below E
13	Grand Anaicut	4	8.7	1073	10	<1	1100	2200	12.80	16.00	256.00	184.00	40.00	7.84	3.4	272.00	59.00	30.00	4.40	135.00	744.00	624.00	8.00	2.50	<0.002	22.00	1.25	below E
14	Coleroon	6	7.9	26800	2	<1	430	1400	24.00	8.00	136.00	7544.00	112.00	5.60	3.4	3650.00	301.00	705.00	856.00	5230.00	17884.00	15564.00	40.00	<0.50	<0.002	196.00	1.66	C
15	Pitchavaram	6	8.1	1671	5	2.24	940	2200	20.80	12.00	216.00	248.00	32.00	3.36	1.7	340.00	80.00	34.00	27.00	182.00	1092.00	920.00	8.00	<0.50	<0.002	14.00	0.46	below E
16	Karunthattankudi	7	7.9	844	2	<1	310	840	5.49	<1	200.00	161.00	16.00	4.48	1.7	260.00	40.00	39.00	48.00	120.00	664.00	580.00	8.00	<0.5	<0.002	8.00	0.96	C

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

**ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) MARCH - 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Komarapalayam	5	7.4	705	3	<1	490	1300	4.76	<1	168.00	103.00	24.00	5.60	2.8	164.00	30.00	21.00	26.00	97.00	496.00	432.00	8.00	<0.50	<0.002	8.00	0.69	C	
2	Urrachikottai	5	8.1	449	5	<1	210	840	10.30	<1	160.00	48.00	24.00	3.36	1.1	144.00	16.00	25.00	23.00	49.00	364.00	300.00	4.00	<0.50	<0.002	6.00	0.53	below E	
3	Seerapalayam	5	7.7	687	4	<1	220	700	5.85	<1	180.00	93.00	16.00	4.48	2.2	180.00	37.00	21.00	24.00	89.00	476.00	420.00	4.00	<0.50	<0.002	7.00	0.65	below E	
4	Pugalur	6	7.7	1008	1	<1	210	580	3.70	16.00	240.00	159.00	8.00	5.60	2.2	290.00	50.00	40.00	72.00	118.00	764.00	684.00	4.00	<0.50	<0.002	17.00	0.57	C	
5	Pettavaithalai	6	8.1	687	2	<1	840	2100	1.45	16.00	168.00	108.00	8.00	5.60	2.2	184.00	26.00	29.00	43.00	94.00	552.00	444.00	4.00	<0.5	<0.002	8.00	0.55	C	
6	Kumbakonam	6	7.4	592	5	<1	260	630	8.42	<1	160.00	81.00	32.00	5.60	2.2	192.00	27.00	30.00	29.00	73.00	488.00	400.00	12.00	<0.50	<0.002	9.00	0.84	below E	
7	Mayiladurai						No	Flow																					
8	Sathiyamanagalam	8	7.8	237	2	<1	170	410	5.08	<1	68.00	25.00	8.00	1.68	0.6	100.00	18.00	14.00	9.10	17.00	172.00	144.00	8.00	<0.50	<0.002	4.00	0.24	B	
9	Kalingalrayan Canal (B5)						No	Flow																					
10	Kalingalrayan Canal (B10)						No	Flow																					
11	Thirumanimuthar	Nil	7.7	2100	65	<1	31000	63000	21.90	<1	610.00	362.00	392.00	8.96	4.5	510.00	64.00	85.00	36.00	313.00	1444.00	1344.00	8.00	5.63	<0.002	34.00	1.74	below E	
12	Vasista	Nil	6.8	2720	90	<1	130000	280000	162.00	<1	1010.00	457.00	456.00	29.68	23.5	790.00	76.00	146.00	6.05	242.00	1996.00	1820.00	196.00	6.60	<0.002	210.00	1.37	below E	
13	Sarabanga	Nil	7.9	2820	50	<1	12000	21000	15.80	<1	710.00	546.00	352.00	11.20	6.7	440.00	84.00	56.00	71.00	492.00	2188.00	1820.00	28.00	4.21	<0.002	48.00	1.49	below E	

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) MARCH - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaleine Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	6.5	8.5	118	2.5	0.19	22	40	2.82	<1	14.4	16	32	1.68	<0.56	64	21.6	2.43	10.7	2	82	76	8	<0.15	<0.002	1	<0.01	A
2	Cheranmadesi	6.7	8.2	137	2.5	0.08	50	130	0.99	<1	16.8	21	40	2.8	0.6	48	14.4	2.91	12.3	2	88	76	8	<0.15	<0.002	1	<0.01	B
3	Kokirakulam	7	8.2	160	3	0.13	60	170	0.89	<1	19.20	26.00	40.00	3.30	1.7	56.00	16.80	3.40	13.70	3.00	106.00	94.00	8.00	<0.15	<0.002	2.0	<0.01	B
4	Murapandu	7	8.4	189	1	0.07	30	90	2.35	<1	16.80	18.00	32.00	1.68	<0.56	34.00	12.00	0.97	9.00	12.00	128.00	114.00	6.00	<0.15	<0.002	4.0	<0.01	B
5	Thiruvidaimarudur	7	8.2	97	1	0.07	40	110	1.22	<1	10.80	12.00	24.00	2.80	0.6	42.00	13.30	1.94	9.80	3.00	66.00	58.00	6.00	<0.15	<0.002	1.0	<0.01	B
6	Ambasamudram	7	8.6	96	2	0.12	30	50	1.07	<1	12.00	11.00	24.00	1.12	<0.56	32.00	11.20	0.97	9.20	2.00	68.00	62.00	6.00	<0.15	<0.002	1.0	<0.01	A
7	Authoroor	7	8.5	1014	2	0.24	70	220	3.28	<1	57.60	65.00	32.00	3.36	1.1	108.00	36.80	3.88	29.00	68.00	698.00	686.00	12.00	<0.15	<0.002	8.0	<0.01	B
8	Eral	8	8.7	428	2	0.12	50	140	1.13	16.00	38.40	34.00	24.00	2.80	0.6	62.00	21.60	1.94	17	34.00	286.00	274.00	8.00	<0.15	<0.002	6.0	<0.01	B
9	Kallidai Kurichi	7	8.5	79	2	0.11	34	90	0.72	<1	8.40	9.00	32.00	1.68	0.6	30.00	9.80	1.45	8.60	2.00	54.00	46.00	6.00	<0.15	<0.002	1.0	<0.01	B
10	Srivaikuntam	8	8.7	197	1	0.09	34	130	1.62	8.00	21.60	24.00	40.00	2.24	<0.56	48.00	16.80	1.45	14.00	14.00	134.00	122.00	6.00	<0.15	<0.002	6.0	<0.01	B
11	Vellakovil	7	8.2	186	3	0.15	70	220	0.40	<1	21.60	32.00	24.00	3.30	1.2	64.00	19.20	3.88	16.40	4.00	124.00	116.00	8.00	<0.15	<0.002	2.0	<0.01	B
12	Sivalaperi	7	8.2	193	3	0.22	90	280	0.31	<1	22.80	34.00	24.00	2.80	1.2	70.00	20.80	4.37	18.5	5.00	132.00	122.00	8.00	<0.15	<0.002	2.0	<0.01	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) MARCH - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No	Flow																					
2	Palar						No	Flow																					

*CPCB-GEMS / MINARS Water quality criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI
LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MARCH - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagama ndalam	2.00	7.16	603.00	8.70	<1	2100.00	4700.00	32.80	<1	172.00	67.00	48.00	6.72	8.36	132.00	37.00	10.00	2.00	49.00	400.00	340.00	40.00	1.45	<0.002	18.20	0.67	below E
2	Kodaikanal	6.50	7.08	117.40	5.80	0.47	49.00	79.00	1.20	<1	38.00	13.30	48.00	5.04	3.92	35.28	8.63	3.33	<1	6.30	68.00	62.00	6.00	0.47	0.03	0.10	0.08	below E
3	Yercaud	7.30	7.38	304.00	1.90	<1	170.00	470.00	16.80	<1	100.00	49.00	16.00	4.48	2.24	104.00	29.00	8.00	4.29	34.00	264.00	212.00	16.00	<0.50	<0.002	10.00	0.53	B
4	Veeranam	5.80	8.28	529.00	6.90	<1	840.00	2100.00	36.50	<1	128.00	51.00	32.00	2.24	1.12	148.00	29.00	19.00	13.00	52.00	364.00	272.00	16.00	<0.5	<0.002	7.00	0.36	below E
5	Poondi	5.80	7.82	559.00	12.00	<1	120.00	940.00	0.08	<1	130.00	60.00	88.00	6.00	3.00	140.00	38.00	11.00	47.00	52.00	386.00	302.00	24.00	<0.5	<0.001	6.00	0.62	below E
6	Red Hills	6.20	9.18	398.00	9.80	<1	93.00	790.00	0.30	<1	135.00	45.00	40.00	6.00	3.00	118.00	31.00	9.72	30.00	32.00	268.00	180.00	18.00	<0.5	<0.001	6.00	0.16	below E
7	Porur	5.80	8.92	539.00	9.80	<1	210.00	1100.00	1.20	35.00	125.00	93.00	40.00	6.00	3.00	102.00	22.00	12.00	27.00	58.00	332.00	242.00	12.00	<0.5	<0.001	11.00	0.29	below E
8	Pulicat	3.30	7.89	47100.00	9.60	<1	<1.8	230.00	4.00	<1	125.00	20290.00	288.00	11.00	8.00	6800.00	561.00	1312.00	2149.00	8800.00	31848.00	28064.00	32.00	0.17	<0.001	167.00	1.40	below E

* CPCB - GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

mg/L-milligram per liter

Outd

MPN-Most Probable Number

Drinki

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-A
CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) MONTH OF APRIL - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	7	8	557	1.3	<1	1.85	92	320	3.61	<1	164	56	16	6.72	3.36	240	40	34	46	52.6	392	364	60	<0.50	<0.002	5.2	0.4	B
2	Pallipalayam	7	8	713	4.5	<1	<0.05	210	400	10.7	<1	200	131	24	7.28	3.36	200	35	27	65	111.4	580	544	8	<0.50	<0.002	10.1	0.9	below E
3	Musiri borewell						No	Flow																					
4	Musiri ferrygate						No	Flow																					

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-B

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF APRIL - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Bathira kalamman koil	7.20	6.97	92	1	<1	<0.05	93	380	7.66	<1	52	9	8	1.68	0.56	36	5.6	5.4	1	7	76	64	8	<0.5	<0.002	1.8	0.7	B	
2	Sirumugai	7.30	6.62	127	1	<1	<0.05	120	410	6.27	<1	60	13	8	2.24	0.56	40	8.82	4.4	1	12.2	104	92	4	<0.5	<0.002	1.8	0.8	B	
3	Bhavani sagar	6.40	7.48	225	1	<1	0.87	32	120	16.5	<1	68	31	8	1.68	0.56	68	18	6	6.4	13.7	164	132	4	<0.5	<0.002	3.2	0.2	B	
4	Bhavani	6.20	7.04	381	1	<1	0.08	460	1100	4.9	<1	100	54	8	2.24	1.12	108	26	11	13	34.1	264	224	8	<0.5	<0.002	5.2	0.3	C	
5	R.N. Pudur	6.30	6.93	569	2	0.29	<0.05	310	840	8.9	<1	132	51	16	5.6	2.24	140	34	14	25	39.5	448	288	8	<0.5	<0.002	5.7	0.4	C	
6	Vairapalayam	6.00	6.93	605	5	0.19	<0.05	320	940	11.8	<1	132	79	24	6.16	3.36	120	32	19	41	58	508	400	8	<0.5	<0.002	6.6	0.5	Below E	
7	P. Velur	5.20	7.44	925	7	<1	0.48	1400	3500	13.5	<1	184	174	56	8.96	5.6	144	32	15	67	124	704	568	36	<0.5	<0.002	11.1	1	Below E	
8	Mohanur	5.80	7.38	823	2	<1	0.32	940	2100	12.7	<1	144	131	16	6.72	3.36	156	45	11	52	107.1	600	516	8	<0.5	<0.002	8.5	1	C	
9	Madathukulam						No	Flow																						
10	Thirumukkudal						No	Flow																						
11	Trichy U/S						No	Flow																						
12	Trichy D/S						No	Flow																						
13	Grand Anaicut						No	Flow																						
14	Coleroon						No	Flow																						
15	Pitchavaram						No	Flow																						
16	Karunthattankudi						No	Flow																						

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE - VIII - C

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF APRIL - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Komarapalayam	6.80	7.66	718	1.5	<1	<0.05	260	630	14.2	<1	168	105	16	7.28	3.4	180	32	24	43	91.6	588	500	8	<0.5	<0.002	8.6	0.7	C	
2	Urrachikottai	7.10	7.57	496	1.8	<1	0.23	630	1400	12.3	<1	168	55	16	3.36	1.1	136	26	18	29	47	352	308	12	<0.5	<0.002	5.4	0.3	C	
3	Chirampalayam	6.70	7.47	736	3.9	<1	<0.005	230	460	7.19	<1	176	119	24	7.84	3.9	156	29	20	41	94.4	592	500	40	<0.5	<0.002	8	0.9	Below E	
4	Pugalur							No	Flow																					
5	Pettavaithalai							No	Flow																					
6	Kumbakonam							No	Flow																					
7	Mayiladurai							No	Flow																					
8	Sathiyamanagalam	6.20	7.36	236	1.1	<1	<0.05	210	430	2.42	<1	72	30	8	1.68	0.6	76	19	7	6.3	14.2	168	132	8	<0.5	<0.002	3.1	0.2	B	
9	Kalingalrayan Canal (B5)							No	Flow																					
10	Kalingalrayan Canal (B10)							No	Flow																					
11	Thirumanimuthar	Nil	7.69	2290	60	<1	2.27	3100	5800	16.7	30	650	427	316	6.72	4.5	470	80	66	68	360	1720	1584	32	4.7	<0.002	29.4	1.7	Below E	
12	Vasista	Nil	7.64	2150	57	1.07	2.18	6300	12000	4.64	<1	568	367	152	12.32	5.6	320	64	39	100	343	1472	1380	72	4.61	<0.002	40	1.7	Below E	
13	Sarabanga	Nil	6.62	2860	315	5.44	0.15	170000	350000	7.75	<1	960	546	896	31	24	740	148	90	39	291	2020	1880	124	5.05	<0.002	132	1.4	Below E	

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME)FOR THE MONTH OF APRIL - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7	8	114	2.3	0.09	0.21	11	30	0.37	<1	18	16	24	2.24	1.12	24	6.4	1.94	9.5	11.9	78	68	4	<0.15	<0.002	1.3	<0.01	A
2	Cheranmadesi	7	8	132.7	1	0.04	0.11	40	130	2.35	<1	24	22	24	4.48	1.68	42	11.2	3.4	10.9	12.3	92	82	8	<0.15	<0.002	1.4	<0.01	B
3	Kokirakulam	7	8	190.1	3.1	0.08	0.16	34	170	0.5	<1	36	28	32	4.48	1.12	56	16	3.88	12.6	10.8	128	114	8	<0.15	<0.002	1.2	<0.01	B
4	Murapanadu	7	8	278	1.5	0.03	0.13	40	130	0.31	<1	54	21	32	2.8	0.56	94	24.8	2.91	14	14.5	192	178	6	<0.15	<0.002	1.1	<0.01	B
5	Thiruvidaimarudur	7	8	126	1.7	0.03	0.1	30	90	1.97	<1	20	18	32	3.36	0.56	38	10.4	2.91	9.7	15.3	88	74	8	<0.15	<0.002	1.8	<0.01	B
6	Ambasamudram	7	8	92	1.2	0.07	0.15	14	40	0.8	<1	16	14	32	2.8	1.12	18	4.8	1.45	7.4	10	64	52	6	<0.15	<0.002	1.9	<0.01	A
7	Author	7	8	925	1.7	0.13	0.32	90	280	0.93	<1	364	62	40	4.48	1.68	260	96.8	6.8	34	18	628	612	12	<0.15	<0.002	1.1	<0.01	B
8	Eral	7	8	482	1.6	0.06	0.17	70	220	0.42	<1	142	48	32	3.36	0.56	148	52.6	3.88	22	14.8	332	314	8	<0.15	<0.002	1.1	<0.01	B
9	Kallidai Kurichi	7	8	79	2.5	0.05	0.13	26	80	0.98	<1	10	12	40	3.36	0.56	12	3.2	0.972	7.2	10.8	56	46	6	<0.15	<0.002	1.8	<0.01	B
10	Srivaikuntam	7	8	349	1.3	0.04	0.15	50	170	0.43	<1	114	34	24	3.92	1.12	112	39.2	3.4	18	17	244	232	6	<0.15	<0.002	1.2	<0.01	B
11	Vellakovil	7	8	220	3.5	0.11	0.18	50	140	1.09	<1	42	32	40	5.04	1.68	68	20	4.37	15.2	14.3	154	136	8	<0.15	<0.002	1.7	<0.01	B
12	Sivalaperi	7	8	228	2.9	0.12	0.22	60	220	0.67	<1	52	37	24	4.48	1.12	78	22.4	5.34	17.8	12.6	162	148	8	<0.15	<0.002	1.9	<0.01	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME)FOR THE MONTH OF APRIL 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaleine Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Vaigai	6	7.2	1218	6	14	-	1.8	4	0.31	<1	264	209	80	3	2	280	48	39	49	160	862	854	8	2	0	15	<0.01	Below E
2	Palar						No	Flow																					

*CPCB-GEMS / MINARS Water quality criteria

MPN-Most Probable Number

DBU Class-Designated Best Use

mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

**ANNEXURE -XI
LAKE WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF APRIL 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagama ndalam	5	7	541	13.2	<1	2.39	2000	3500	28.4	<1	108	64	40	7.84	5.6	106	37	3.4	7.8	41.8	320	276	52	1.67	<0.002	16.3	0.75	below E
2	Kodaikanal	7	6.9	163.2	2.1	<0.2	<0.2	48	70	2.64	<1	36	14.5	40	5.6	3.36	33.7	9.51	2.42	<2	7.6	74	68	6	<0.15	0.027	0.5	0.27	B
3	Yercaud	8	7.4	345	8.1	<1	0.55	260	630	13.8	<1	116	51	32	3.36	1.68	110	28	9.7	0.66	31.9	264	224	40	<0.5	<0.002	10.5	0.5	below E
4	Veeranam					No	Flow																						
5	Poondi	7	8	589	2	<1	-	460	1700	0.94	<1	165	65	24	6	3	136	34	13	56	68	380	330	14	<0.5	<0.001	5	0.77	C
6	Red Hills	7	8.6	435	3	<1	-	40	460	0.78	<1	120	48	16	6	3	188	30	27	42	39	234	226	22	<0.5	<0.001	6	0.32	B
7	Porur	7	8.3	609	2	<1	-	45	630	0.57	<1	125	99	16	6	3	122	28	13	25	67	410	396	20	<0.5	<0.001	12	0.35	C
8	Pulicat	3	6.3	156200	2	1	-	<1.8	45	21	<1	80	93533	960	11	8	28000	2244	5443	8110	41500	107456	96702	72	<0.05	<0.001	272	1.4	A

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF MAY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Mettur	5.90	7.22	498.0	2.3	<1	<0.05	210.0	580.0	3.9	<1	160.0	58.0	16.0	4.5	2.2	136.0	27.0	16.5	25.0	46.0	392.0	324.0	8.0	<0.5	<0.002	4.70	0.81	C	
2	Pallipalayam	6.40	6.74	946.0	5.6	2.2	0.5	210.0	630.0	12.0	<1	168.0	143.0	32.0	6.7	2.2	168.0	36.8	18.5	49.0	60.0	512.0	460.0	24.0	<0.5	<0.002	10.30	0.94	C	
3	Musiri borewell							No Flow																						
4	Musiri ferrygate							No Flow																						

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF MAY 2018)

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kaliyman koil	7.10	6.29	188	1.2	<1	0.04	120	330	3.3	<1	40	28	8	1.68	1.12	36	9	2.92	18	13	144	124	4	<0.5	<0.002	2	0.7	B
2	Sirumugai	7.00	6.92	201	1.4	<1	0.59	140	390	1.9	<1	52	20	8	2.24	1.12	42	10.42	3.88	20	18	152	136	4	<0.5	<0.002	3	0.7	B
3	Bhavani sagar	7.40	6.86	204	1.8	<1	<0.05	310	940	11	<1	56	29	16	2.24	1.12	72	18	6.8	5.6	13	168	138	32	<0.5	<0.002	1.3	0.4	C
4	Bhavani	6.60	6.39	475	2.4	<1	0.14	630	1400	2.1	<1	124	71	24	3.36	1.68	144	34	14.6	35	43	372	336	12	<0.5	<0.002	2.3	0.7	C
5	R.N. Pudur	6.30	6.52	476	3.6	<1	0.36	470	1200	9.8	<1	136	114	24	6.72	3.36	140	30.46	15.6	19	52	392	360	16	<0.5	<0.002	6.5	0.5	C
6	Vairapalayam	6.30	6.87	580	3.8	<1	1.13	460	1100	15	<1	144	74	24	5.6	2.8	136	30.46	15	16	72	388	352	20	<0.5	<0.002	7.1	0.6	C
7	P. Velur	5.20	8.79	1756	4.8	<1	0.15	2200	4300	17	8	196	357	32	8.95	5.04	260	51	32	185	202	1110	1038	28	1.96	<0.002	17	1.2	C
8	Mohanur	5.60	8.27	1257	5.6	<1	0.14	2100	3500	6.9	<1	144	288	32	7.84	3.36	192	27	30	142	163	864	820	24	1.34	<0.002	15	1.2	C
9	Madathukulam							No	Flow																				
10	Thirumukkudal							No	Flow																				
11	Trichy U/S							No	Flow																				
12	Trichy D/S							No	Flow																				
13	Grand Anaicut							No	Flow																				
14	Coleroon							No	Flow																				
15	Pitchavaram							No	Flow																				
16	Karunthattankudi							No	Flow																				

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF MAY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	6.7	7	632	4.8	1.5	0.013	380	1200	3.27	<1	152	79	24	5.6	1.5	164	25.6	24.3	39	62	432	396	4	<0.5	<0.002	7.1	0.8	C
2	Urrachikottai	6.4	7	496	2.6	<1	0.267	580	1200	3.22	<1	156	58	24	4.48	2.2	140	43	7.78	33	43	376	340	12	<0.5	<0.002	4.7	0.7	C
3	Chirampalayam	6.3	7	546	3.9	<1	2.3	170	480	7.29	<1	124	68	16	4.48	2.2	152	28.8	19.4	29	47	344	312	8	<0.5	<0.002	6	0.9	B
4	Pugalur						No	Flow																					
5	Pettavaithalai						No	Flow																					
6	Kumbakonam						No	Flow																					
7	Mayiladurai						No	Flow																					
8	Sathiyamanagalam	7.5	7	226	1.8	<1	0.163	210	460	6.39	<1	60	32	16	2.24	1.1	80	21	6.8	2.5	14	184	152	16	<0.5	<0.002	3	0.5	B
9	Kalingalrayan Canal (B5)						No	Flow																					
10	Kalingalrayan Canal (B10)						No	Flow																					
11	Thirumanimuthar	Nil	7	2420	70	<1	0.419	1E+05	3E+05	13.6	<1	560	471	176	8.96	4.5	452	69	68	8.8	241	1395	1352	108	7.77	<0.002	26	2.5	Below E
12	Vasista	Nil	7	1812	90	1.1	1.372	1E+05	2E+05	25.6	8	432	362	392	17.92	13	448	96	55	37	151	1136	1088	128	7.62	<0.002	42	1.6	Below E
13	Sarabanga	Nil	7	2220	72	1.1	0.293	1E+05	2E+05	4.79	<1	468	442	296	11.2	5.6	340	76.9	35.9	58	146	1232	1162	88	8.19	<0.002	38	2.7	Below E

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF MAY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	6.5	7.19	82.9	<2	0.09	0.16	12	32	7.82	<1	12	14	16	1.68	0.56	22	7.2	0.97	7.8	3.6	58	52	6	<0.15	<0.002	1.1	<0.01	A
2	Cheranmadevi	7.1	7.36	126	<2	0.03	2.91	44	120	7.49	<1	24	25	24	1.68	0.56	42	12	2.91	9.9	2.2	90	82	8	<0.15	<0.002	1.7	<0.01	B
3	Kokirakulam	7.2	7.53	138	2.2	0.04	3.4	36	120	2.08	<1	26	28	24	2.52	1.12	48	14	3.4	11.2	4	96	86	8	<0.15	<0.002	3.1	<0.01	B
4	Murapanadu	6.9	7.93	138.6	2.1	0.03	0.11	26	90	4.66	<1	42	14	16	2.2	0.56	34	11	1.94	9.7	7	96	84	6	<0.15	<0.002	1	<0.01	B
5	Thiruvidaimarudur	6.9	2.51	7.3	118	0.06	0.11	32	90	16.4	<1	18	22	16	1.68	<0.56	36	10	2.43	9.5	1.9	84	78	8	<0.15	<0.002	1.4	<0.01	B
6	Ambasamudram	6.7	7.21	96.5	<2	0.07	0.14	12	40	17.7	<1	14	16	16	1.4	<0.56	26	8	1.45	8.4	1.2	66	58	6	<0.15	<0.002	1.3	<0.01	A
7	Authoor	7.2	8.18	778	2.2	0.09	0.28	60	170	1.28	<1	232	42	32	5.04	2.24	256	93	5.83	28	13	526	512	8	<0.15	<0.002	2	<0.01	B
8	Eral	7	8.34	372	2.1	0.06	0.16	50	140	1.43	<1	128	24	24	3.92	1.68	118	42	3.4	17	11	248	234	6	<0.15	<0.002	2	<0.01	B
9	Kallidai Kurichi	6.6	7.26	109.7	2.1	0.05	0.12	30	90	10.9	<1	16	18	16	1.12	<0.56	30	8.8	1.94	8.9	1.6	76	70	6	<0.15	<0.002	1.4	<0.01	B
10	Srivaikuntam	6.8	8.23	185.8	2	0.04	0.13	34	110	0.92	<1	56	16	32	2.8	1.12	52	18	2.91	11	8	124	112	6	<0.15	<0.002	1	<0.01	B
11	Vellakovil	6.9	7.65	145	<2	0.08	3.88	52	170	1.73	<1	28	30	32	2.52	<0.56	52	14	3.88	11.7	4	104	92	8	<0.15	<0.002	2.9	<0.01	B
12	Sivalaperi	7.3	7.82	157	7.3	0.04	4.37	64	240	1.56	<1	32	33	88	3.64	1.12	58	16	4.37	12.5	4	108	96	8	<0.15	<0.002	3	<0.01	B

*CPCB-GEMS / MINARS Water quality criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF MAY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water quality criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MONTH OF MAY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagamandalam	6.30	6.89	564	5	2	0	1200	3500	21	<1	68	89	32	8	5	116	38	5	111	37	428	388	48	2	<0.002	16	1	C
2	Kodaikanal	6.80	6.78	109	3	0	<0.2	49	79	1	<1	44	20	48	5	4	30	8	2	<3	5	66	60	6	<0.15	0.03	0.10	<0.01	B
3	Yercaud	6.80	6.97	384	4	<1	0	630	1200	13	<1	96	58	24	3	2	108	32	7	3	31	272	236	52	1	<0.002	11	1	C
4	Veeranam							No	Flow																				
5	Poondi	6.70	8.93	545	3	<1	0	<1.8	790	1	<1	145	63	24	6	3	120	26	13	39	52	304	232	14	<0.5	<0.001	4	1	C
6	Red Hills	6.50	9.02	496	3	<1	0	<1.8	490	1	<1	120	54	16	6	3	118	28	12	38	39	330	244	6	<0.5	<0.001	5	1	B
7	Porur	6.50	8.85	739	2	<1	0	40	700	0	<1	125	107	24	6	3	116	25	13	34	61	464	358	4	<0.5	<0.001	12	1	B
8	Pulicat	4.20	7.65	181400	16	2	0	<1.8	20	6	<1	105	80171	520	11	8	27000	2244	5200	6036	31800	140240	95518	18	<0.05	<0.001	263	2	Below E

*CPCB-GEMS / MINARS Water quality criteria

mg/L-milligram per liter

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF JUNE - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Mettur	5.40	7.28	597.0	2.8	<1	0.1	280.0	500.0	4.8	20.0	176.0	70.0	24.0	2.2	1.7	280.0	48.0	39.0	44.0	57.0	436.0	396.0	4.0	<0.5	<0.002	6.00	0.67	B	
2	Pallipalayam	5.40	7.49	841.0	5.0	<1	1.6	400.0	1200.0	8.7	-	208.0	142.0	32.0	4.5	2.8	280.0	52.0	36.0	64.0	113.0	632.0	584.0	4.0	<0.5	<0.002	9.00	0.97	C	
3	Musiri borewell							No Flow																						
4	Musiri ferrygate							No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF JUNE 2018)

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	8.40	6.46	129	1.2	<1	<0.005	93	340	9.9	-	60	14	16	1.12	0.56	50	12	5	2	12	108	88	16	<0.5	<0.002	2	0.4	B
2	Sirumugai	8.40	7.26	243	1.4	1	<0.05	110	390	1.7	-	120	23	16	2.24	1.12	90	24	7	3	28	204	184	4	<0.5	<0.002	3	0.6	B
3	Bhavani sagar	8.50	6.47	95	1.3	<1	<0.05	170	470	23	-	44	13	24	2.24	1.12	38	6	6	2	8	88	68	12	<0.5	<0.002	2	0.2	B
4	Bhavani	6.00	6.49	686	1.1	<1	0.64	460	1100	1.5	12	176	110	24	2.24	1.68	270	44	39	48	86	544	496	8	<0.5	<0.002	7	0.7	C
5	R.N. Pudur	4.70	7.04	786	4.2	<1	0.74	250	840	4.1	16	180	100	32	2.24	1.68	270	52	7	10	79	494	464	4	<0.5	<0.002	7	0.7	C
6	Vairapalayam	3.20	7.12	703	3.6	<1	0.51	380	1100	3.8	<1	180	92	24	3.36	2.24	240	52	7	3	83	468	432	4	<0.5	<0.002	7	0.6	C
7	P. Velur	7.40	8.16	899	2.4	<1	0.443	210	580	8.4	20	196	152	24	2.24	1.68	270	36	44	59	115	652	604	8	<0.5	<0.002	10	0.7	B
8	Mohanur	7.50	7.98	928	2	<1	0.23	170	470	3.2	28	196	160	24	2.24	1.68	200	32	29	140	120	724	640	4	<0.5	<0.002	10	0.7	B
9	Madathukulam	7.10	7.01	256	3	<1	<0.005	26	70	2.31	<1	72	20.00	16.00	2.24	1.7	90.00	16.00	12.00	2.00	7.00	158.00	128.00	4.00	<0.5	<0.002	3.00	0.41	C
10	Thirumukkudal	6.80	8.03	1168	3	<1	<0.05	840	2100	4.81	6	208	208.00	32.00	3.36	2.2	300.00	48.00	44.00	121.00	150.00	824.00	788.00	20.00	0.51	<0.002	12.00	1.11	C
11	Trichy U/S							No	Flow																				
12	Trichy D/S							No	Flow																				
13	Grand Anaicut				nhd			No	Flow																				
14	Coleroon							No	Flow																				
15	Pitchavaram							No	Flow																				
16	Karunthattankudi							No	Flow																				

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF JUNE 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	5.8	7.44	604	3.6	<1	2.88	310	840	2.64	-	180	76	24	3.36	2.2	250	40	36	40	71	484	452	4	<0.5	<0.002	7	0.9	B
2	Urrachikottai	5.4	8.02	495	2.6	<1	<0.05	330	940	5.65	12	172	60	24	2.24	1.7	230	32	36	36	55	392	360	24	<0.5	<0.002	5	0.5	B
3	Chirampalayam	6.6	7.64	578	2.4	<1	1.27	260	630	6.43	-	168	78	24	3.36	2.2	250	48	32	34	66	428	404	4	<0.5	<0.002	6	0.9	B
4	Pugalur	7.1	7.7	942	2	<1	<0.005	700	1700	8.03	8.00	208.00	164.00	24.00	2.24	1.7	280.00	48.00	39.00	105.00	126.00	688.00	656.00	16.00	<0.50	<0.002	11	0.97	C
5	Pettavaithalai						No	Flow																					
6	Kumbakonam						No	Flow																					
7	Mayiladurai						No	Flow																					
8	Sathyamanagalam	6.6	6.94	268	2.6	<1	<0.005	220	480	6.73	-	88	28	24	2.24	1.7	190	36	24	13	18	212	184	8	<0.5	<0.002	4	0.3	B
9	Kalingalrayan Canal (B5)						No	Flow																	<0.5	<0.002			
10	Kalingalrayan Canal (B10)						No	Flow																	<0.5	<0.002			
11	Thirumanimuthar	Nil	7.52	2360	50	<1	0.085	140000	350000	6.66	Nil	496	400	192	24	18	530	72	350	123	230	1786	1616	20	1.52	<0.002	46	1	BelowE
12	Vasista	Nil	7.74	1814	90	<1	24.8	140000	220000	21.6	Nil	480	320	560	36	23	200	48	19	23	170	1372	1228	28	1.75	<0.002	45	1.1	BelowE
13	Sarabanga/Ed	1.2	7.63	1894	15	<1	1.52	94000	210000	12.2	Nil	392	385	160	15.6	12	360	64	49	118	300	1388	1288	8	1.66	<0.002	30	1	BelowE

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

**ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF JUNE 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7.6	7.91	84.5	2.7	0.03	0.18	32	90	5.34	<1	7.2	11	16	1.12	<0.56	18	5.6	0.97	7.3	0.3	60	52	6	<0.15	<0.002	0.5	<0.01	B
2	Cheranmadevi	6.4	7.6	142	2.9	0.01	0.13	44	120	4.95	<1	20.4	18	24	1.12	<0.56	38	10	2.91	9.7	0.3	102	94	8	<0.15	<0.002	1.7	<0.01	B
3	Kokirakulam	6.8	7.67	159	3.4	0.07	0.17	52	170	1.66	<1	22.8	21	24	1.68	<0.56	44	12	3.4	10.2	0.3	108	98	8	<0.15	<0.002	2.2	<0.01	B
4	Murapanadu	7.1	8.01	82.4	<2	0.03	0.04	30	90	2.45	<1	8.4	11	60	1.68	<0.56	18	5.6	0.97	7.3	1	58	42	6	<0.15	<0.002	1.3	<0.01	B
5	Thiruvaidaimarudur	6.7	7.58	127	3	0.05	0.09	36	120	4.71	<1	15.6	16	32	2.24	<0.56	32	8.8	2.43	8.7	0.5	92	82	6	<0.15	<0.002	0.8	<0.01	B
6	Ambasamudram	7.2	7.62	96.2	4.8	0.02	0.12	32	90	4.63	<1	8.4	13	48	1.12	<0.56	22	6.4	1.45	7.8	0.4	68	58	6	<0.15	<0.002	0.7	<0.01	below E
7	Author	7.4	8.53	985	3.6	0.11	0.16	20	40	3.43	4	118.8	42	40	7.84	1.68	206	72	6.31	32	234	684	676	8	<0.15	<0.002	24	<0.01	below E
8	Eral	6.3	8.56	369	<2	0.06	0.09	12	32	2.26	2	62.4	19	32	4.48	1.12	39	13	4.37	13	17.9	258	244	4	<0.15	<0.002	6.7	<0.01	A
9	Kallidai Kurichi	7.3	7.53	108	2.3	0.04	0.11	36	120	3.89	<1	10.8	14	32	2.8	<0.56	26	7.2	1.94	8.5	0.6	76	64	6	<0.15	<0.002	0.8	<0.01	B
10	Srivaikuntam	6.8	8.26	88.1	2.1	0.05	0.06	12	20	3.12	<1	10.8	12	40	2.24	<0.56	28	8.8	1.45	7.6	0.8	62	56	6	<0.15	<0.002	1.1	<0.01	A
11	Vellakovil	6.5	7.71	168	2.2	0.08	0.19	52	170	1.69	<1	27.6	23	24	1.12	<0.56	48	13	3.88	10.6	1.2	116	104	8	<0.15	<0.002	3.6	<0.01	B
12	Sivalaperi	6.1	7.73	184	3	0.09	0.24	58	220	1.48	<1	31.2	25	24	2.24	<0.56	58	16	4.37	11.8	1.1	128	112	8	<0.15	<0.002	3.5	<0.01	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF JUNE - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MONTH OF JUNE 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagaman dalam	3.60	6.48	419	6.30	<1	0.073	1700	3900	6	Nil	84	46	64	6	3.36	200	36	27	12	31	298	252	16	1	<0.002	14.00	1.07	Below E
2	Kodaikanal	6.60	6.68	121	6.00	0.37	<0.2	47	63	3	<1	48	20	40	4	3.36	30	9	2	<2	8	70	64	6	1	0.03	0.30	0.20	Below E
3	Yercaud	7.00	7.26	426	1.80	<1	<0.005	630	1400	12	<1	136	57	24	2	1.68	200	52	17	2	35	320	288	32	<0.5	<0.002	12.00	0.54	C
4	Veeranam						No Flow																						
5	Poondi	4.70	8.78	687	6.00	<1	<0.005	<1.8	490	2	5	35	105	32	6	3.00	145	34	15	24	78	400	372	18	<0.5	<0.001	7.00	0.69	Below E
6	Red Hills	5.30	7.51	501	3.00	<1	<0.05	110	700	55	5	67	67	8	6	3.00	112	26	12	27	54	302	256	16	<0.5	<0.001	6.00	0.78	B
7	Porur	6.70	6.38	721	3.00	<1	<0.05	<1.8	330	60	7	28	121	8	6	3.00	123	31	11	27	72	408	356	20	<0.5	<0.001	13.00	0.43	B
8	Pulicat	6.90	7.28	55500	2.30	<1	<0.05	<1.8	230	46	5	72	20901	144	6	3.00	11800	962	2284	6474	6230	39438	35958	22	<0.05	<0.001	371.00	1.57	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF JULY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Mettur	6.30	7.62	495.0	1.2	0.1	0.1	78.0	240.0	11.4	4.0	168.0	50.0	16.0	2.2	1.1	284.0	50.0	39.0	8.6	43.0	360.0	336.0	12.0	<0.5	<0.002	5.00	0.53	B	
2	Pallipalayam	5.20	7.65	809.0	4.5	0.2	1.6	490.0	1300.0	9.4	<1	216.0	124.0	32.0	3.4	1.7	368.0	56.0	55.0	2.6	105.0	612.0	568.0	20.0	<0.5	<0.002	9.00	0.74	C	
3	Musiri borewell							No Flow																						
4	Musiri ferrygate							No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF JULY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity µm/l	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	8.00	6.24	230	<2	<1	<0.05	91	320	3.32	<1	32	10	16	1.68	0.6	44	11	4	1.32	5	136	116	4	<0.5	<0.002	1	0.2	B
2	Sirumugai	7.20	6.52	170	<2	<1	<0.05	92	310	1.2	<1	61	19	16	1.68	0.6	88	24	7	4.8	13	140	120	4	<0.5	<0.002	3	0.4	B
3	Bhavani sagar	5.90	6.28	128	0.8	0.1	<0.05	140	400	1.44	<1	44	14	8	1.12	0.6	92	22	9	2.42	8	108	96	4	<0.5	<0.002	2	0.2	B
4	Bhavani	3.90	6.66	837	1.4	0.3	<0.05	320	940	1.1	<1	168	159	24	2.24	1.1	284	59	33	8.3	125	612	588	4	<0.5	<0.002	7	0.7	C
5	R.N. Pudur	5.20	7.14	607	<2	0.1	0.27	210	630	1.29	8	192	84	16	2.24	1.1	308	48	46	20.6	72	468	436	4	<0.5	<0.002	7	0.6	C
6	Vairapalayam	5.10	7.27	674	<2	0.1	0.32	310	940	2.27	12	188	94	16	2.24	1.1	312	48	47	20.8	81	496	468	4	<0.5	<0.002	7	0.7	C
7	P. Velur	7.90	8.62	954	1.4	0	<0.005	310	840	2.17	12	204	159	16	2.24	1.1	316	53	45	34	120	616	572	8	<0.5	<0.002	10	0.6	C
8	Mohanur	7.70	8.56	1012	1	0.1	<0.005	417	1200	1.45	16	200	179	16	2.24	1.1	280	40	44	32	130	640	584	4	<0.5	<0.002	10	0.7	C
9	Madathukulam	7.80	7.04	87	1	<1	<0.005	26	94	14.20	<1	32	11.00	8.00	1.12	0.6	60.00	8.00	10.00	0.60	6.00	76.00	64.00	12.00	<0.5	<0.002	2.00	0.09	B
10	Thirumukkudal	7.20	8.22	953	5	0.4	<0.05	490	1400	2.30	8	220	161.00	24.00	4.48	2.2	340.00	50.00	52.00	31.00	130.00	676.00	640.00	8.00	<0.5	<0.002	10.00	1.03	C
11	Trichy U/S							No	Flow																				
12	Trichy D/S							No	Flow																				
13	Grand Anaicut							No	Flow																				
14	Coleroon							No	Flow																				
15	Pitchavaram							No	Flow																				
16	Karunthattankudi							No	Flow																				

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF JULY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	4.8	7.54	737	3.6	0.4	2.27	260	700	13	<1	200	100	24	3.36	1.1	332	55	48	29	83	556	532	8	<0.5	<0.002	9	0.71	C
2	Urrachikottai	7.6	8.22	569	1.2	0.3	<0.05	310	840	1.13	8	172	60	16	2.24	1.1	284	51	38	7.9	50	388	356	4	<0.5	<0.002	2	0.15	C
3	Chirampalayam	5.8	7.71	621	1.6	0.2	1.46	210	580	247	<1	180	82	16	2.24	1.1	292	53	39	3.5	65	412	376	16	<0.5	<0.002	6	0.67	C
4	Pugalur	8.0	8.2	823	6	0.5	<0.005	460	1200	2.00	16.00	206.00	153.00	48.00	3.36	1.7	304.00	48.00	45.00	23.00	120	632.00	580.00	8.00	<0.50	<0.002	9.00	0.92	C
5	Pettavaithalai						No	Flow																					
6	Kumbakonam						No	Flow																					
7	Mayiladurai						No	Flow																					
8	Sathiyamanagalam	6.7	6.57	135	0.5	0.1	<0.05	140	380	1.44	<1	44	15	8	1.12	0.6	100	18	14	0.77	10	124	108	4	<0.5	<0.002	3	0.17	B
9	Kalingalrayan Canal (B5)						No	Flow																					
10	Kalingalrayan Canal (B10)						No	Flow																					
11	Thirumanimuthar	Nil	7.96	1974	45	<1	4.92	79000	140000	16.8	<1	624	400	144	6.72	3.4	870	120	139	10	275	1288	1120	20	<0.5	<0.002	34	1.03	BelowE
12	Vasista	Nil	7.64	1885	80	<1	6.78	84000	210000	42.4	<1	612	310	208	6.72	3.4	860	156	56	6.6	210	1244	1192	56	3.19	<0.002	52	1.05	BelowE
13	Sarabanga/Ed	0.8	7.22	1949	24	0.3	2.01	70000	170000	5.9	<1	608	305	80	8.96	3.9	600	120	73	5	255	1336	1292	28	1.07	<0.002	35	1.1	BelowE

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF JULY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7.2	7.14	88.4	5.4	0.05	0.21	14	42	2.24	<1	10	12	48	1.4	<0.56	16	7.2	1.45	7.2	0.1	60	56	4	<0.15	<0.002	0.1	<0.01	A
2	Cheranmadevi	6.5	7.73	144	5.2	0.03	0.22	46	132	2.82	<1	26	18	32	1.12	0.56	34	16	5.3	12.6	0.1	94	88	6	<0.15	<0.002	0.3	<0.01	B
3	Kokirakulam	6.3	7.64	166	6	0.08	0.11	48	144	2.13	<1	38	22	56	2.24	<0.56	38	14	2.91	17.8	0.3	114	108	6	<0.15	<0.002	0.9	<0.01	B
4	Murapanadu	6.5	8.72	88.2	4.1	0.03	0.05	28	66	2.75	<1	16	9	40	0.56	<0.56	16	9.6	0.97	7.4	0.8	62	54	6	<0.15	<0.002	0.5	<0.01	B
5	Thiruvudaimarudur	6.8	7.77	130	5.4	0.07	0.16	26	98	2.54	<1	26	18	32	0.84	<0.56	30	8	3.4	11.2	0.1	86	80	6	<0.15	<0.002	0.3	<0.01	B
6	Ambasamudram	7	7.05	98	5.4	0.06	0.13	14	38	2.96	<1	16	12	48	1.12	<0.56	22	8.8	0.97	9.7	0.2	68	64	4	<0.15	<0.002	0.2	<0.01	A
7	Author	7	8.92	1138	4.1	0.12	0.17	18	36	5.81	<1	304	56	40	7.28	1.68	316	115	6.8	24	1.4	796	784	8	<0.15	<0.002	1	<0.01	A
8	Eral	7.4	8.31	359	4.7	0.07	0.08	16	40	1.96	<1	102	17	32	1.68	<0.56	104	61	3.4	12	1.1	252	246	6	<0.15	<0.002	0.8	<0.01	A
9	Kallidai Kurichi	7	7.89	112	5.2	0.07	0.1	30	92	3.2	<1	22	14	40	0.28	<0.56	26	11	4.31	9.5	0.1	74	70	4	<0.15	<0.002	0.2	<0.01	B
10	Srivaikuntam	6.1	8.67	108.8	4.1	0.04	0.06	14	28	2.27	<1	24	12	32	1.12	<0.56	24	14	1.45	7.6	1.1	74	62	6	<0.15	<0.002	0.7	<0.01	A
11	Vellakovil	6.2	7.64	178	4.1	0.11	0.21	52	202	2.96	<1	48	32	56	1.68	<0.56	42	14	1.45	15.2	0.3	124	116	8	<0.15	<0.002	0.9	<0.01	B
12	Sivalaperi	6.7	7.81	187	6.4	0.14	0.25	68	263	2.79	<1	20	37	48	0.56	<0.56	56	12	3.88	16.8	0.6	128	120	8	<0.15	<0.002	1	<0.01	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF JULY - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - **Drinking water source after conventional treatment and disinfection**

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MONTH OF JULY 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagaman dalam	4.20	6.52	394	5.30	<1	0.080	2200	4700	2	<1	84	50	48	6	2.80	200	56	15	2	29	292	232	4	<0.5	<0.002	13.00	0.99	Below E
2	Kodaikanal	6.90	7.02	116	6.10	0.40	<2	49	63	2	<1	44	30	40	4	3.36	30	9	2	<2	8	68	62	6	<0.15	0.03	0.30	0.05	Below E
3	Yercaud	8.60	7.65	379	0.80	<1	<0.05	460	1200	26	<1	116	56	16	2	1.12	190	56	12	2	36	312	296	24	<0.5	<0.002	12.00	0.52	C
4	Veeranam					No Flow																							
5	Poondi	5.90	7.13	1321	3.30	<1	<0.05	170	1200	55	6	62	91	48	6	3.00	133	26	17	64	93	588	544	28	<0.5	<0.001	7.00	<0.1	Below E
6	Red Hills	6.70	8.36	532	6.00	<1	<0.05	21	460	34	6	63	69	24	6	3.00	114	27	11	44	57	378	286	22	<0.5	<0.001	6.00	<0.1	Below E
7	Porur	6.20	7.93	735	6.00	<1	<0.05	<1.8	700	20	5	49	134	16	11	6.00	126.00	28	14	53	85	404	186	18	<0.5	<0.001	14.00	<0.1	Below E
8	Pulicat	6.80	7.89	5690	6.00	<1	<0.05	45	630	60	7	67	25437	360	6	3.00	7000	441	1434	3185	9810	37170	33712	28	<0.5	<0.001	409.00	0.02	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF AUGUST - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Mettur	8.70	7.47	192.0	2.1	0.06	0.006	22.0	79.0	13.0	<1	56.0	18.0	24.0	2.2	0.6	96.0	22.0	10.0	0.3	11.0	152.0	124.0	12.0	0.08	<0.002	3.00	0.21	B	
2	Pallipalayam	5.80	7.28	180.0	3.8	0.12	0.023	330.0	1100.0	134.5	<1	80.0	17.0	16.0	3.4	1.7	118.0	34.0	8.0	8.0	13.0	168.0	148.0	120.0	0.17	<0.002	3.00	0.33	C	
3	Musiri borewell							No Flow																						
4	Musiri ferrygate	6.20	7.81	240.00	3.00	0.31	0.014	310.0	1100.0	5.1	<1	92.0	26.0	24.0	3.4	1.7	108.0	31.0	7.0	2.2	19.0	200.0	172.0	20.0	0.1	<0.002	4.0	0.11	C	

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF AUGUST 2018)

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	7.80	6.78	91	0.3	0.070	0.005	92	260	6.8	<1	32.0	6.0	16.0	1.68	0.56	4.0	1.0	1.0	1.7	8.0	78.0	60.0	8.0	0.060	<0002	4.0	0.092	B
2	Sirumugai	6.90	6.69	122	0.3	0.084	0.010	130	310	14.7	<1	56.0	7.0	16.0	2.24	0.56	5.0	1.0	1.0	1.3	9.0	102.0	84.0	4.0	0.079	<0.002	5.0	0.161	B
3	Bhavani sagar	7.60	7.14	171	4.6	0.071	0.032	170	460	24	<1	40	11	24	3.36	1.68	58.0	14.0	5.0	0.5	8.0	124.0	92.0	12.0	<0.5	<0.002	2.0	0.121	Below E
4	Bhavani	6.10	6.99	135	2.7	0.096	0.018	330	1100	290.5	<1	52	11	24	2.24	1.12	78	24.0	4.0	0.4	7.0	112.0	92.0	68.0	<0.5	<0002	3.0	0.449	C
5	R.N. Pudur	6.20	7.16	166	2.5	0.076	0.006	220	790	2.7	<1	68	16	24	1.68	0.56	82.0	26.0	4.0	1.3	14.0	148.0	124.0	8.0	0.148	<0.002	3.0	0.242	C
6	Vairapalayam	5.10	7.26	194	1.5	0.499	0.014	260	630	3.8	<1	72	24	16	1.68	0.56	108.0	27.0	11.0	2.2	17.0	168.0	148.0	4.0	0.176	<0.002	3.0	0.392	C
7	P. Velur	8.80	7.62	221	0.8	0.057	0.040	83	400	4.6	<1	80	26	16	1.68	0.56	120.0	37.0	7.0	8.5	16.0	188.0	164.0	4.0	0.181	<0002	3.0	0.260	C
8	Mohanur	8.20	7.60	232	1.7	0.099	0.045	82	390	12.1	<1	84	26	16	1.68	0.56	124.0	28.0	13.0	12.5	17.0	188.0	164.0	4.0	0.185	<0.002	4.0	0.290	C
9	Madathukulam	9.60	6.34	86.4	0.3	<1	0.050	380	1200	3.8	<1	24	5	16	1.12	0.56	4.0	1.0	1.0	1.7	8.0	62.0	48.0	4.0	0.051	<0.002	5.0	0.045	B
10	Thirumukkudal	7.20	7.55	204	2.5	0.271	0.023	230	700	9.1	<1	72	22	24	2.24	0.56	114.0	25.0	13.0	6.2	14.0	168.0	156.0	4.0	0.218	<0002	3.0	0.410	C
11	Trichy U/S	8.90	7.91	222	2.3	0.428	0.030	270	790	8.5	<1	88	23	24	1.12	0.56	82.0	26.0	4.0	0.4	17.0	184.0	164.0	4.0	0.120	<0.002	4.0	0.115	C
12	Trichy D/S	6.20	7.73	226	2.7	0.486	0.050	380	1200	9.4	<1	92	27	24	1.68	0.56	120.0	32.0	10.0	1.3	19.0	184.0	164.0	8.0	0.125	<0.002	4.0	0.184	C
13	Grand Anaicut	8.20	7.72	227	2.2	0.328	0.011	260	940	6.2	<1	88	23	24	1.68	0.56	72.0	25.0	2.0	1.3	18.0	180.0	156.0	4.0	0.111	<0002	4.0	0.138	C
14	Coleroon	8.60	7.79	1249	0.2	0.432	0.094	83	390	5.8	<1	140	315	16	6.72	3.4	390.0	132.0	15.0	202.0	170.0	976.0	952.0	8.0	0.222	<0.002	10.0	0.207	B
15	Pitchavaram							No	Flow																				
16	Karunthattankudi	8.00	7.44	221	3	0.074	0.037	230	580	27.30	<1	80	29.00	24.00	3.35	1.1	106.00	26.00	10.00	10.50	16.00	188.00	165.00	8.00	0.222	<0.002	3.00	0.18	C

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF AUGUST 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaleine Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	6.90	7.94	151.0	1.00	0.33	0.019	140.0	460.0	70.60	<1	56.00	13.00	16.00	1.68	0.56	96.0	22.0	10.00	0.4	9.0	138.0	108.0	44.0	0.14	<0.002	3.0	0.27	B
2	Urrachikottai	6.10	7.42	143.0	1.70	0.11	0.022	320.0	940.0	65.00	<1	64.00	13.00	16.00	1.68	0.56	102.0	26.0	9.00	0.4	8.0	128.0	112.0	40.0	0.07	<0.002	3.0	0.20	C
3	Chirampalayam	6.80	7.61	164.0	1.30	0.11	0.021	170.0	490.0	50.40	<1	56.00	14.00	16.00	1.68	1.12	96.0	22.0	10.00	0.6	9.0	138.0	108.0	40.0	0.13	<0.002	3.0	0.24	B
4	Pugalur	7.60	7.43	195.0	1.90	0.39	0.019	210.0	630.0	9.30	<1	76.00	22.00	16.00	1.68	0.56	144.0	27.0	18.00	3.7	14.0	176.0	148.0	4.0	0.20	<0.002	3.0	0.38	C
5	Pettavaithalai	6.30	7.97	253.0	2.30	0.31	0.011	220.0	700.0	4.90	<1	108.00	26.00	24.00	2.24	1.12	94.0	29.0	5.00	0.8	19.0	208.0	180.0	4.0	0.13	<0.002	4.0	0.10	C
6	Kumbakonam	8.40	7.10	199.0	3.20	0.07	0.026	140.0	400.0	12.60	<1	80.00	26.00	24.00	2.24	0.07	100.0	28.0	7.00	10.7	7.0	168.0	152.0	4.0	0.19	<0.002	3.0	0.17	B
7	Mayiladurai							No	Flow																				
8	Sathiyamanagalam	7.00	6.94	143.0	2.40	0.09	0.029	110.0	320.0	29.90	<1	40.00	12.00	24.00	1.12	0.56	58.00	17.0	4.00	0.3	6.0	112.0	88.0	4.0	<0.5	<0.002	3.0	0.06	B
9	Kalingalrayan Canal (B5)	4.20	7.11	227.0	0.60	0.11	0.013	120.0	400.0	6.60	<1	96.00	21.00	16.00	2.24	0.56	134.0	38.0	3.00	0.4	15.0	196.0	172.0	8.0	0.19	<0.002	3.0	0.32	B
10	Kalingalrayan Canal (B10)	5.40	7.26	244.0	0.80	0.11	0.015	170.0	460.0	2.50	<1	96.00	21.00	16.00	2.24	1.12	128.0	37.0	9.00	0.8	17.0	212.0	188.0	4.0	0.26	<0.002	3.0	0.33	B
11	Thirumanimuthar	Nil	7.65	2200.0	60.0	0.13	1.980	46000.0	110000	34.20	20.00	604.00	420.0	128.0	7.84	3.92	910.0	108.0	156.0	45.0	245.0	1764.0	1560.0	24.0	1.75	<0.002	22.0	1.02	Below E
12	Vasista	Nil	6.36	2270.0	630.0	0.10	0.225	63000.0	150000	72.70	<1	736.00	395.0	912.0	5.60	2.80	870.0	168.0	109.0	25.0	190.0	1964.0	1572.0	136.0	3.35	<0.002	92.0	1.03	Below E
13	Sarabanga/Ed	1.90	7.79	2210.0	15.20	0.22	4.320	3300.0	7900	76.80	<1	448.00	465.0	56.0	8.96	3.92	570.0	100.0	78.0	70.0	255.0	1496.0	1392.0	16.0	1.15	<0.002	32.0	1.01	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF AUGUST 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaleine Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7.5	7.01	56	2.4	0	0.08	6	18	2.19	<1	4	13	16	1.68	<0.56	8	4.2	1.28	7.7	-	38	36	2	<0.15	<0.002	0.1	<0.01	A
2	Cheranmadevi	7.2	7.85	71.1	2.7	0	0.21	8	32	5.76	<1	6	20	24	1.12	<0.56	10	5.2	2.2	1.4	1.9	50	48	2	<0.15	<0.002	0.6	<0.01	A
3	Kokirakulam	6.9	7.76	59	2.8	0.01	0.22	8	36	2.68	<1	6	11	16	2.24	0.56	8	5	2	0.5	-	40	38	2	<0.15	<0.002	0.3	<0.01	A
4	Murapanadu	6.6	7.83	69.8	2.7	0.01	0.24	12	48	1.85	1	8	19	16	2.24	0.56	10	5.4	1.8	0.6	-	48	46	2	<0.15	<0.002	0.5	<0.01	A
5	Thiruvaidaimarudur	7	7.81	39.1	2.4	0	0.01	8	24	2.56	<1	4	15	16	1.12	<0.56	8	3.8	1.28	0.2	-	26	24	2	<0.15	<0.002	0.1	<0.01	A
6	Ambasamudram	7.2	7.36	39.6	2.8	0	0.09	6	18	2.65	<1	4	13	16	1.68	<0.56	8	4	1.32	2.8	-	28	24	4	<0.15	<0.002	0.1	<0.01	A
7	Authoor	6.4	6.91	181	5.5	0.08	0.29	24	52	2.53	<1	26.8	22	56	20.2	1.68	58	18	3.4	12.6	10.2	128	122	8	<0.15	<0.002	2.3	<0.01	Below E
8	Eral	6.3	7.02	163	5.2	0.06	0.15	30	58	1.2	<1	22.8	16	48	8.4	1.68	46	13	2.96	3.5	6.7	118	112	6	<0.15	<0.002	1.9	<0.01	Below E
9	Kallidai Kurichi	7.3	7.45	40.2	2.1	0	0.01	6	24	2.58	<1	4	12	16	1.12	<0.56	8	3.8	1.32	3.3	-	28	26	2	<0.15	<0.002	0.2	<0.01	A
10	Srivaikuntam	6.5	7.15	98.5	3.4	0.04	0.12	18	34	3.28	<1	14.4	20	40	3.36	0.56	32	3.2	1.94	1.2	0.4	68	62	6	<0.15	<0.002	0.9	<0.01	Below E
11	Vellakovil	6.6	7.83	69.8	2.7	0.01	0.24	12	48	1.85	1	8	19	16	2.24	0.56	10	5.4	1.8	0.6	-	48	46	2	<0.15	<0.002	0.5	<0.01	A
12	Sivalaperi	6.3	7.83	71.3	2.1	0.01	0.24	12	48	1.72	1	8	12	24	2.8	1.12	10	4.8	2.4	0.8	0.1	48	46	2	<0.15	<0.002	0.6	<0.01	A

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF AUGUST - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use

mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MONTH OF AUGUST 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagaman dalam	6.60	7.17	272	3.50	0.37	0.151	110	390	20	<1	60	23	24	3	1.12	90	28	6	7	14	188	148	16	0.407	<0.002	6.00	0.76	Below E
2	Kodaikanal	6.90	7.04	126	4.20	0.37	<0.2	33	48	2	<0.01	<1	16	32	4	3.36	36	10	2	<2	3	56	50	6	<0.15	0.027	0.10	<0.01	Below E
3	Yercaud	7.10	7.29	385	3.30	<1	0.084	260	940	25	<1	116	54	24	4	2.24	186	71	2	1	31	260	224	20	0.148	<0.002	12.00	0.32	Below E
4	Veeranam	8.40	7.21	273	1.30	1	1.680	61	220	3	<1	100	20	24	3	1.68	166	45	13	2	19	224	180	4	0.120	<0.002	5.00	0.13	B
5	Poondi	6.00	8.54	768	36.00	<1	0.010	140	1500	30	6	38	92	96	6	3.00	130	30	14	49	96	374	280	20	<0.5	<0.001	7.00	0.01	Below E
6	Red Hills	6.40	9.16	562	<2	<1	0.290	140	2220	40	5	54	68	40	6	3.00	104	25	10	49	55	286	216	14	<0.5	<0.001	6.00	0.01	C
7	Porur								No	Sampling																			
8	Pulicat	4.80	8.07	53800	4.00	<1	0.140	110	1400	28	5	68	20400	64	11	8.00	6200	361	1288	4050	7642	36018	35696	18	0.117	<0.001	332.00	0.01	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF SEPTEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Mettur	5.60	6.76	121.0	0.4	0.05	0.011	68.0	240.0	2.1	<1	52.0	13.0	8.0	1.1	0.6	60.0	18.0	3.4	1.1	8.2	112.0	100.0	16.0	0.04	<0.002	2.40	0.12	B	
2	Pallipalayam	6.00	7.10	194.0	2.0	0.20	0.032	320.0	1200.0	15.4	<1	56.0	18.0	24.0	3.9	1.7	80.0	22.4	5.8	10.0	15.9	156.0	140.0	24.0	0.28	<0.002	2.80	0.36	C	
3	Musiri borewell							No Flow																						
4	Musiri ferrygate	3.40	7.75	292.00	1.50	0.36	0.016	260.0	630.0	18.5	<1	96.0	26.0	16.0	2.8	1.1	160.0	38.5	15.6	16.0	23.5	224.0	204.0	36.0	0.1	<0.002	4.4	0.16	C	

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF SEPTEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	6.10	6.73	98	0.4	0.063	0.014	91	250	15.6	<1	44.0	6.5	16.0	1.68	0.56	46.0	10.4	4.9	1.0	6.1	80.0	72.0	20.0	0.032	<0002	1.2	0.069	B
2	Sirumugai	6.20	6.75	96	0.2	0.061	0.013	83	270	14.4	<1	36.0	8.0	16.0	1.68	0.56	40.0	12.8	1.9	0.9	7.0	80.0	72.0	28.0	0.028	<0.002	1.9	0.074	B
3	Bhavani sagar	6.80	8.08	103	2.6	0.079	0.013	33	110	5.22	<1	32	13.6	16	2.24	1.12	42.0	13.6	1.9	0.8	5.8	88.0	80.0	16.0	0.042	<0.002	2.1	0.092	B
4	Bhavani	6.40	7.04	114	2.2	0.114	0.015	31	120	19.6	<1	36	12	16	2.24	1.12	62	17.6	4.4	0.4	7.7	96.0	84.0	16.0	0.1	<0002	2.0	0.103	B
5	R.N. Pudur	6.40	8.11	162	0.9	0.113	0.021	310	840	18.3	<1	52	11	16	2.8	1.12	92.0	25.7	6.8	2.5	9.5	134.0	122.0	24.0	0.056	<0.002	2.1	0.170	C
6	Vairapalayam	5.30	7.71	135	1.3	0.318	0.011	130	430	22.7	<1	60	11	16	2.24	1.12	80.0	20.0	7.3	2.3	9.1	120.0	108.0	44.0	0.134	<0.002	2.1	0.109	B
7	P. Velur	6.80	8.08	222	1.9	0.171	0.051	140	330	23.8	<1	64	4	16	2.24	1.12	108.0	32.1	6.8	1.9	18.4	200.0	192.0	32.0	0.232	<0.002	3.9	0.365	B
8	Mohanur	6.80	7.86	226	1.5	0.199	0.053	130	320	17.2	<1	80	30	16	3.36	1.68	124.0	27.3	13.6	5.2	18.7	204.0	188.0	20.0	0.245	<0.002	3.8	0.242	B
9	Madathukulam	6.60	6.84	175	0.8	<1	0.019	21	84	26.6	<1	36	5.5	16	1.12	0.56	48.0	13.6	3.4	1.8	5.5	128.0	108.0	24.0	0.056	<0.002	1.8	0.070	B
10	Thirumukkudal	6.10	7.47	222	0.9	0.486	0.014	270	790	15.7	<1	64	28	16	3.36	1.68	120.0	30.5	10.7	8.3	18.2	188.0	168.0	36.0	0.176	<0.002	2.9	0.280	B
11	Trichy U/S	5.50	8.43	218	3.6	0.332	0.081	260	700	12.3	<1	76	23	24	3.92	1.68	124.0	30.5	11.7	7.7	18.0	192.0	172.0	32.0	0.330	<0.002	3.1	0.156	C
12	Trichy D/S	3.70	8.19	241	3.9	0.511	0.111	490	1100	11	<1	72	30	24	5.6	2.24	124.0	30.5	11.7	7.3	19.7	196.0	180.0	32.0	0.444	<0.002	3.7	0.179	belowE
13	Grand Anaicut	4.50	8.27	232	4.4	0.486	0.421	310	840	17.6	<1	72	30	24	4.48	1.12	112.0	35.3	5.8	7.7	19.5	200.0	180.0	28.0	0.412	<0.002	3.5	0.167	belowE
14	Coleroon	4.10	7.42	221	1.3	0.253	0.107	78	240	16.5	<1	72	25	16	2.2	0.6	160.0	36.0	17.0	2.6	17.0	196.0	176.0	8.0	0.074	<0.002	3.0	0.130	B
15	Pitchavaram	3.50	6.86	426	4	1.003	0.218	170	480	4.48	<1	92	66	24	4.5	2.2	240.0	56.0	24.0	21.0	44.0	376.0	344.0	32.0	0.280	<0.002	7.0	0.167	belowE
16	Karunthattankudi	6.80	8.64	195	1	0.129	0.05	110	350	12.50	<1	72	27.00	8.00	2.24	0.6	112.00	30.50	8.75	2.60	17.40	176.00	160.00	48.00	0.148	<0.002	3.20	0.16	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF SEPTEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	5.40	6.98	187.0	1.20	0.20	0.268	120.0	410.0	18.70	<1	52.00	17.00	16.00	2.80	1.12	70.0	23.2	2.92	8.7	16.0	160.0	140.0	28.0	0.26	<0.002	2.8	0.34	B
2	Urrachikottai	6.30	7.24	113.0	0.40	0.11	0.015	70.0	210.0	24.80	<1	52.00	12.00	16.00	0.56	<0.56	66.0	22.4	2.43	0.4	7.2	96.0	84.0	20.0	0.07	<0.002	1.9	0.10	B
3	Chirampalayam	6.90	6.95	164.0	0.90	0.18	0.015	120.0	580.0	12.30	<1	56.00	23.00	16.00	2.24	1.12	74.0	21.6	4.86	6.9	11.5	144.0	128.0	24.0	0.24	<0.002	2.3	0.30	C
4	Pugalur	6.60	7.33	206.0	0.80	0.41	0.013	220.0	700.0	21.10	<1	60.00	27.00	16.00	2.24	1.12	124.0	27.2	13.60	6.9	17.3	176.0	156.0	24.0	0.17	<0.002	2.8	0.24	C
5	Pettavaithalai	5.20	8.18	306.0	2.60	0.35	0.033	210.0	580.0	30.30	<1	88.00	28.00	16.00	2.24	1.68	164.0	41.7	14.60	15.0	26.1	232.0	208.0	40.0	0.26	<0.002	3.9	0.18	C
6	Kumbakonam	6.60	7.89	262.0	2.00	0.18	0.061	140.0	430.0	8.50	<1	84.00	31.00	16.00	2.24	1.12	144.0	38.5	11.70	8.6	19.0	228.0	208.0	44.0	0.21	<0.002	4.0	0.21	C
7	Mayiladurai										No Flow																		
8	Sathiyama nagalam	6.20	6.82	89.0	0.60	0.06	0.008	21.0	94.0	8.84	<1	44.00	9.00	16.00	1.68	0.56	44.00	13.6	2.43	0.2	6.2	80.0	72.0	12.0	0.03	<0.002	1.7	0.07	B
9	Kalingalra yan Canal	6.40	8.14	281.0	1.90	0.15	0.029	170.0	490.0	6.80	<1	116.00	22.00	16.00	3.36	1.98	192.0	49.7	16.50	13.0	16.1	232.0	216.0	28.0	0.17	<0.002	2.6	0.24	B
10	Kalingalra yan Canal	6.60	8.22	286.0	1.30	0.16	0.037	170.0	460.0	8.78	<1	104.00	20.00	16.00	2.80	1.68	196.0	48.1	18.50	14.0	16.7	240.0	220.0	12.0	0.19	<0.002	2.7	0.25	B
11	Thirumani muthar	Nil	7.40	2530.0	20.0	0.44	0.681	3200.0	9400	43.20	<1	620.00	355.0	96.00	8.96	4.48	820.0	152.0	107.0	64.0	275.0	1592.0	1492.0	56.0	1.77	<0.002	25.0	1.09	Below E
12	Vasista	Nil	6.60	2710.0	1125.0	0.33	0.155	84000.0	210000	195.00	<1	910.00	465.0	1880.00	20.16	8.96	1080.0	152.0	170.0	36.0	287.0	2156.0	1868.0	212.0	3.68	<0.002	151.0	1.05	Below E
13	Sarabanga /Ed	3.80	7.83	2080.0	18.00	0.32	6.520	6100.0	9400	21.30	<1	490.00	355.0	72.00	8.96	4.48	520.0	160.0	29.2	54.0	244.0	1536.0	1248.0	32.0	1.84	<0.002	40.2	0.99	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF SEPTEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7.4	7.35	41	<2	0.02	0.11	4	18	4.44	<1	4.8	8	24	0.56	<0.56	8	2.4	0.49	0.6	-	28	24	2	<0.15	<0.002	0.5	<0.01	A
2	Cheranmadevi	6.4	6.86	89.7	<2	0.05	0.12	6	16	4.18	<1	10.8	12	40	0.84	<0.56	32	8.8	2.43	2	4.1	62	56	8	<0.15	<0.002	1.2	<0.01	A
3	Kokirakulam	6	6.86	99.4	<2	0.06	0.13	12	32	3.21	<1	13.2	17	40	1.4	0.56	36	9.6	2.91	0.7	4.8	66	60	8	<0.15	<0.002	1.2	<0.01	A
4	Murapanadu	7.5	7.17	156.2	3.7	0.03	0.06	18	52	5.16	<1	15.6	35	40	6.16	1.12	38	14	0.97	8.8	9.6	108	102	4	<0.15	<0.002	2.1	<0.01	Below E
5	Thiruvidaimarudur	6.5	6.97	56.3	2.1	0.03	0.14	6	18	4.07	<1	8.4	10	32	0.28	<0.56	20	4.8	1.94	0.6	0.8	38	32	6	<0.15	<0.002	0.7	<0.01	A
6	Ambasamudram	7.2	7.29	42.8	<2	0.03	0.1	4	16	4.37	<1	6	7	24	0.28	<0.56	12	3.2	0.97	0.9	-	30	26	2	<0.15	<0.002	0.4	<0.01	A
7	Author	6.5	7.1	306	4.7	0.09	0.17	30	64	9.7	<1	25.2	80	64	16.8	1.68	72	24	2.91	20.8	29.3	216	208	8	<0.15	<0.002	3.7	<0.01	Below E
8	Eral	6.4	7.17	193	4.5	0.05	0.08	28	66	1.78	<1	22.8	35	40	7.84	1.12	48	16	1.94	11.9	14.7	134	126	6	<0.15	<0.002	2.1	<0.01	Below E
9	Kallidai Kurichi	7.5	7.1	49.1	<2	0.04	0.16	4	22	5.56	<1	7.2	8	24	0.28	<0.56	14	4	1.45	0.6	-	34	30	4	<0.15	<0.002	0.6	<0.01	A
10	Srivaikuntam	6.4	7.13	183	4.5	0.04	0.07	22	56	2.92	<1	19.2	35	40	7.28	1.12	42	14	1.45	11.6	12.2	128	120	4	<0.15	<0.002	1.8	<0.01	Below E
11	Vellakovil	6	6.81	109.1	<2	0.05	0.18	10	30	2.6	<1	16.8	16	48	1.12	0.56	44	11	3.4	0.8	5.5	74	66	8	<0.15	<0.002	1.3	<0.01	A
12	Sivalaperi	6.3	6.82	101.3	<2	0.04	0.21	18	48	2.95	<1	15.6	15	48	1.68	0.56	40	10	3.88	2.2	5.7	68	62	8	<0.15	<0.002	1.3	<0.01	A

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - **Drinking water source after conventional treatment and disinfection**

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF SEPTEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use

mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - **Drinking water source after conventional treatment and disinfection**

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY(UNDER MINARS PROGRAMME) MONTH OF SEPTEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagaman dalam	5.90	7.38	359	1.60	0.38	0.127	210	1100	9	<1	92	46	16	6	2.24	180	56	10	8	25	264	236	16	0.444	<0.002	10.60	0.56	C
2	Kodaikanal	7.10	7.28	119	5.00	0.28	<0.2	49	63	0.36	<1	36	22	40	6	3.36	34	9	3	6	3	68	60	8	<0.15	0.027	0.10	<0.01	Below E
3	Yercaud	7.30	7.24	339	1.80	<1	0.167	210	630	18	<1	96	46	24	3	1.68	164	48	11	0	30	280	256	36	0.148	<0.002	11.20	0.30	C
4	Veeranam	3.90	7.54	256	0.90	0.267	0.050	83	250	6	<1	100	23	16	2	0.56	180	36	23	3	17	228	212	8	0.120	<0.002	4.00	0.15	B
5	Poondi	5.30	8.36	2610	11.00	<1	0.350	170	2220	20	9	248	168	56	6	3.00	370	68	49	76	160	794	762	18	<0.5	<0.001	5.00	0.35	Below E
6	Red Hills	4.90	8.68	575	4.50	<1	<0.05	61	320	35	7	68	79	64	6	3.00	110	20	15	11	55	320	270	20	<0.5	<0.001	7.00	0.04	Below E
7	Porur	6.00	6.78	1373	9.00	<1	<0.05	110	1400	14	8	99	136	96	11	6.00	114.00	25	13	131	45	626	544	20	<0.5	<0.001	13.00	<0.1	Below E
8	Pulicat	3.20	7.32	133400	10.00	0	0.020	68	700	24	6	54	40209	120	11	6.00	17000	1683	3110	16659	14760	92358	85394	<0.5	<0.001	<0.001	775.00	0.63	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

mg/L-milligram per liter

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF OCTOBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	6.40	8.01	283.0	1.1	0.05	0.006	68.0	250.0	4.0	8.0	112.0	22.0	16.0	3.4	0.6	136.0	19.2	21.4	4.0	17.1	228.0	208.0	8.0	0.13	<0.002	2.80	0.18	B
2	Pallipalayam	8.70	7.77	442.0	1.1	0.10	0.018	320.0	940.0	10.0	<1	128.0	56.0	16.0	4.5	2.2	176.0	35.3	21.4	27.0	31.0	320.0	300.0	12.0	0.19	<0.002	8.00	0.76	C
3	Musiri borewell	5.40	8.08	1052.0	0.6	0.1	0.0	-	<1.8	58.0	<1	288.0	206.0	36.0	2.2	1.1	360.0	46.5	59.3	3.3	60.9	672.0	640.0	36.0	0.1	<0.002	17.5	0.34	A
4	Musiri ferrygate	6.90	7.76	447.0	0.30	0.13	0.021	170.0	580.0	24.0	<1	14.0	86.0	16.0	3.4	1.1	168.0	32.0	21.4	20.0	34.8	332.0	308.0	20.0	0.1	<0.002	8.6	0.47	C

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B

CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF OCTOBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	6.80	6.57	142	1	0.219	0.010	110	310	183	<1	56.0	10.0	16.0	1.68	0.56	64.0	19.2	3.9	10.0	12.3	132.0	116.0	4.0	0.106	<0.002	7.1	0.760	B
2	Sirumugai	6.90	6.78	137	0.9	0.657	0.009	93	320	14	<1	56.0	16.0	16.0	2.24	1.12	68.0	16.0	6.8	6.9	12.4	128.0	112.0	4.0	0.093	<0.002	7.1	0.700	B
3	Bhavani sagar	7.50	6.47	114	1.8	0.064	0.021	21	94	17	<1	48	11	16	4.48	2.80	56.0	8.0	8.7	1.2	10.1	96.0	84.0	16.0	0.019	<0.002	5.6	0.299	B
4	Bhavani	7.00	7.64	405	0.9	0.129	0.032	40	140	29	<1	144	40	16	3.36	1.68	200	40.1	24.3	21.0	21.7	312.0	292.0	32.0	0.1	<0.002	8.0	0.645	B
5	R.N. Pudur	6.90	7.66	407	1	0.077	0.007	270	790	30	<1	136	42	16	4.48	2.24	184.0	36.9	22.4	29.0	21.3	316.0	296.0	48.0	0.134	<0.002	8.0	0.760	C
6	Vairapalayam	7.50	7.92	475	1.5	0.113	0.025	170	490	15	<1	128	44	16	3.36	1.68	228.0	48.1	26.2	22.0	22.4	340.0	316.0	16.0	0.213	<0.002	8.1	0.973	B
7	P. Velur	7.00	8.62	389	1.3	0.139	0.018	110	340	9	<1	120	44	16	3.36	1.12	144.0	32.0	15.6	16.0	23.1	272.0	248.0	8.0	0.148	<0.002	7.7	0.588	B
8	Mohanur	7.50	7.79	768	2.4	0.257	0.050	130	380	36	<1	240	88	16	4.48	2.80	252.0	49.7	31.1	42.0	55.2	524.0	496.0	44.0	0.3	<0.002	9.2	1.094	B
9	Madathukulam	7.60	7.55	216	0.7	0.039	0.013	21	70	16	<1	64	16	8	1.12	0.56	88.0	17.6	10.7	2.6	10.9	156.0	136.0	20.0	0.056	<0.002	2.3	0.046	B
10	Thirumukkudal	7.00	8.01	654	1.2	0.329	0.026	260	700	11	<1	160	110	16	2.24	1.12	204.0	38.5	26.2	42.0	65.9	464.0	436.0	16.0	0.194	<0.002	9.0	0.590	C
11	Trichy U/S	6.80	8.03	502	0.4	0.293	0.129	210	630	6	<1	148	62	16	4.48	2.24	192.0	35.3	25.3	27.0	41.3	368.0	340.0	12.0	0.171	<0.002	7.9	0.438	C
12	Trichy D/S	6.10	7.83	530	0.3	0.543	0.186	330	940	19	<1	160	74	16	5.6	2.80	188.0	44.9	18.5	30.0	50.7	376.0	352.0	16.0	0.176	<0.002	8.8	1.106	C
13	Grand Anaicut	5.10	7.78	500	0.4	0.496	0.485	170	410	13	<1	148	70	16	3.36	1.68	188.0	44.9	18.5	25.0	38.7	392.0	356.0	16.0	0.166	<0.002	8.2	0.077	B
14	Coleroon	7.80	8.18	1297	3	0.471	0.248	81	260	9	<1	240	334	24	7.84	3.36	236.0	40.1	33.0	23.0	51.0	724.0	688.0	16.0	0.259	<0.002	10.1	0.530	B
15	Pitchavaram	8.40	7.72	552	0.6	0.457	0.091	170	460	22	<1	148	76	16	3.36	1.12	148.0	30.5	17.5	24.0	59.7	312.0	284.0	28.0	0.194	<0.002	6.6	1.470	B
16	Karunthattankudi	7.10	7.64	346	1	0.071	0.031	94	350	27.00	8	120	47.00	16.00	2.24	0.6	116.00	24.00	13.60	14.00	30.70	288.00	260.00	36.00	0.167	<0.002	4.10	0.24	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-C
CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF OCTOBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Komarapalayam	5.90	7.17	478.0	1.10	0.11	0.023	130.0	430.0	12.00	<1	124.00	70.00	16.00	4.48	1.68	164.0	36.9	17.50	20.0	44.6	348.0	324.0	20.0	0.18	<0.002	8.7	0.70	B
2	Urrachikottai	6.80	8.48	275.0	1.70	0.10	0.022	70.0	220.0	11.00	<1	100.00	24.00	16.00	4.48	2.24	128.0	25.7	15.60	1.3	15.9	212.0	196.0	16.0	0.56	<0.002	7.2	0.59	B
3	Chirampalayam	7.80	7.48	357.0	1.90	0.10	0.021	170.0	490.0	7.00	<1	132.00	36.00	16.00	3.36	1.12	148.0	38.5	12.60	16.0	21.8	256.0	236.0	8.0	0.17	<0.002	7.8	0.62	B
4	Pugalur	7.80	7.97	673.0	0.80	0.36	0.021	270.0	790.0	5.00	<1	164.00	116.00	16.00	2.24	1.12	220.0	49.7	23.30	41.0	70.8	488.0	456.0	8.0	0.21	<0.002	9.4	0.65	C
5	Pettavaithalai	6.80	7.86	610.0	0.40	0.33	0.037	200.0	700.0	4.00	<1	180.00	98.00	16.00	4.48	2.80	184.0	48.0	15.60	35.0	29.1	428.0	404.0	8.0	0.19	<0.002	7.8	0.59	C
6	Kumbakonam	5.30	7.84	286.0	2.20	0.06	0.026	84.0	280.0	38.00	<1	104.00	34.00	16.00	4.48	2.24	108.0	24.0	11.70	2.6	17.8	228.0	204.0	44.0	0.15	<0.002	3.6	0.30	C
7	Mayiladurai	5.00	7.64	399.0	2.60	0.05	0.032	63.0	210.0	23.00	8.00	112.00	35.00	16.00	3.36	1.12	116.00	25.7	12.60	5.3	24.9	260.0	232.0	28.0	0.16	<0.002	3.8	0.31	B
8	Sathiyama nagalam	6.60	6.23	143.0	0.40	0.08	0.026	11.0	46.0	29.00	<1	48.00	15.00	16.00	2.24	1.12	72.00	17.6	6.80	3.4	12.2	124.0	108.0	32.0	0.04	<0.002	7.0	0.25	A
9	Kalingalra yan Canal	6.60	7.67	420.0	1.10	0.08	0.011	170.0	480.0	21.00	<1	144.00	42.00	16.00	4.48	1.68	188.0	40.1	21.40	20.0	21.1	328.0	304.0	28.0	0.15	<0.002	8.1	0.82	B
10	Kalingalra yan Canal	6.50	7.76	412.0	0.70	0.08	0.015	140.0	470.0	34.00	<1	140.00	38.00	16.00	2.24	1.12	200.0	52.9	16.50	27.0	20.7	324.0	304.0	52.0	0.14	<0.002	8.0	0.80	B
11	Thirumani muthar	Nil	7.77	1778.0	20.0	0.10	1.700	4600.0	12000	11.00	<1	428.00	330.0	64.00	8.96	4.48	440.0	52.1	75.3	65.0	205.0	1196.0	1108.0	40.0	1.59	<0.002	19.0	1.66	Below E
12	Vasista	Nil	7.54	2270.0	150.0	0.05	0.236	14000.0	35000	81.00	<1	860.00	355.0	392.00	8.96	5.60	528.0	97.8	69.0	94.0	190.0	1916.0	1516.0	212.0	1.63	<0.002	####	1.74	Below E
13	Sarabanga /Ed	3.00	7.26	1034.0	8.00	0.18	4.130	3400.0	8400	42.00	<1	252.00	180.0	56.00	7.84	3.92	160.0	40.1	14.6	18.0	135.0	664.0	608.0	48.0	1.15	<0.002	17.4	1.22	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF OCTOBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeidahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	6.7	7.04	45.1	5.8	0.02	0.01	12	40	172	<1	2	13	14	0.56	<0.56	8	0.8	0.15	0.4	-	30	26	4	<0.15	<0.002	0.5	<0.01	Below E
2	Cheranmadevi	6.8	6.66	170.9	6.8	0.05	0.12	32	120	1.61	<1	4	45	48	1.12	<0.56	80	3.2	1.65	6.4	7.1	116	108	8	<0.15	<0.002	3.2	<0.01	Below E
3	Kokirakulam	6.4	6.67	193.2	5.8	0.05	0.13	38	144	0.98	<1	2	45	56	0.84	<0.56	76	3.2	1.65	14.2	8.5	132	124	8	<0.15	<0.002	4	<0.01	Below E
4	Murapanadu	7.1	6.79	259	6	0.08	0.24	38	108	1.22	<1	8	40	48	8.4	<0.56	108	16	1.65	18.2	11.4	174	166	8	<0.15	<0.002	3.6	<0.01	Below E
5	Thiruvidaimarudur	6	6.7	114.5	6.2	0.04	0.14	28	74	2.08	<1	4	30	40	0.84	<0.56	24	1.6	1.65	0.3	3.6	77	72	8	<0.15	<0.002	3.3	<0.01	Below E
6	Ambasamudram	6.9	6.83	82.3	5.8	0.03	0.1	14	40	1.35	<1	2	18	32	0.56	<0.56	30	4	4.86	0.4	1.6	54	48	6	<0.15	<0.002	2	<0.01	Below E
7	Author	6.5	6.91	296	8.7	0.06	0.18	32	74	0.41	<1	8	50	56	7.28	1.6	150	19	2.48	18.4	17.4	196	190	6	<0.15	<0.002	4	<0.01	Below E
8	Eral	6.2	6.88	361	6.8	0.08	0.22	28	88	0.49	<1	6	50	64	8.12	2.24	192	18	3.5	26.9	23.7	242	234	6	<0.15	<0.002	5.2	<0.01	Below E
9	Kallidai Kurichi	7	6.78	85.8	6.4	0.03	0.16	22	66	2.5	<1	4	16	32	0.84	<0.56	24	3.2	1.75	0.3	1.6	56	50	6	<0.15	<0.002	1.9	<0.01	Below E
10	Srivaikuntam	7.3	6.81	264	6.6	0.08	0.2	36	92	1.24	<1	8	60	48	8.4	1.12	134	9.6	2.6	17.5	11.4	176	168	8	<0.15	<0.002	3.6	<0.01	Below E
11	Vellakovil	6.2	6.65	226	5.2	0.06	0.18	42	142	4.03	<1	4	50	56	1.12	<0.56	44	1.6	0.92	16	11.8	154	146	6	<0.15	<0.002	4.3	<0.01	Below E
12	Sivalaperi	6	6.67	231	4.8	0.06	0.21	44	166	1.86	<1	4	55	40	1.12	<0.56	48	3.2	0.92	15.9	12	156	148	8	<0.15	<0.002	4.3	<0.01	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF OCTOBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai	6.7	7.2	612.0	6.2	0.4	<0.2	4.0	4.0	0.1	<0.1	48.0	108.0	40.0	4.5	1.1	158.0	26.2	22.6	52.0	91.4	258.0	244.0	14.0	2.1	0.1	9.6	<0.1		
2	Palar							No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use

mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - **Drinking water source after conventional treatment and disinfection**

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY (UNDER MINARS PROGRAMME) MONTH OF OCTOBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagaman dalam	5.1	7.1	317.0	6.0	0.09	3.33	220.0	1200.0	11.0	<1	108.0	61.0	48.0	5.6	2.2	108.0	27.3	9.7	2.8	18.3	256.0	224.0	20.0	0.4	<0.002	8.9	0.5	C
2	Kodaikanal	7.1	6.4	114.3	4.0	0.55	<0.2	49.0	79.0	0.2	<1	36.0	20.0	40.0	5.0	2.8	30.0	8.0	2.4	2.0	5.4	58.0	50.0	8.0	<0.15	0.03	0.4	<0.001	Below E
3	Yercaud	6.4	7.5	286.0	0.9	<1	0.07	230.0	580.0	4.0	4.0	92.0	39.0	16.0	3.4	1.7	100.0	24.0	9.7	4.6	19.8	224.0	200.0	12.0	0.1	<0.002	6.4	0.3	C
4	Veeranam	7.2	7.9	304.0	1.8	0.51	0.23	68.0	220.0	7.0	<1	112.0	30.0	16.0	4.5	1.7	124.0	27.3	13.6	3.7	18.5	212.0	192.0	12.0	0.1	<0.002	3.8	0.3	B
5	Poondi	3.1	7.7	516.0	6.0	0.14	<0.05	120.0	1700.0	20.0	8.0	75.0	57.0	48.0	11.0	6.0	130.0	32.0	12.0	77.0	43.0	202.0	166.0	10.0	<0.5	<0.001	4.0	0.9	Below E
6	Red Hills	4.2	8.1	489.0	10.0	<1	<0.05	18.0	260.0	20.0	8.0	105.0	72.0	96.0	11.0	6.0	98.0	21.0	11.0	10.0	48.0	306.0	278.0	14.0	<0.5	<0.001	5.0	0.2	Below E
7	Porur	5.0	9.1	6.4	9.0	<1	0.2	35.0	320.0	32.0	9.0	69.0	266.0	96.0	11.0	6.0	106.0	24.0	11.0	26.0	68.0	394.0	370.0	20.0	<0.5	<0.001	13.0	0.2	Below E
8	Pulicat	4.2	7.4	29900.0	9.0	<1	0.0	110.0	1200.0	48.0	9.0	257.0	10471.0	368.0	11.0	6.0	3800.0	220.0	790.0	4062.0	2576.0	21302.0	19364.0	18.0	<0.5	<0.001	170.0	0.0	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling, controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF NOVEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	3.50	7.77	239.0	0.6	0.41	0.091	27.0	110.0	3.0	<1	56.0	18.0	16.0	1.1	0.6	80.0	22.0	6.0	3.5	13.0	188.0	168.0	16.0	0.15	<0.002	2.00	0.16	B
2	Pallipalayam	4.60	7.83	481.0	2.0	0.23	1.210	460.0	1400.0	4.0	8.0	172.0	48.0	16.0	5.6	3.4	168.0	40.0	17.0	21.0	38.0	352.0	328.0	20.0	0.23	<0.002	6.00	0.28	C
3	Musiri borewell	7.30	7.95	548.0	1.3	<1	0.0	170.0	430.0	22.0	16.0	152.0	74.0	16.0	2.2	1.1	188.0	37.0	23.0	31.0	55.0	400.0	368.0	28.0	0.2	<0.002	6.0	0.52	B
4	Musiri ferrygate						No	Flow																					

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF NOVEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	7.60	7.23	287	1.8	0.088	0.019	79	220	42	<1	68.0	44.0	16.0	2.24	1.12	98.0	23.0	10.0	3.3	19.0	212.0	196.0	48.0	0.227	<0.002	2.0	0.858	B
2	Sirumugai	7.10	7.43	209	1.3	0.072	0.011	63	210	18	<1	68.0	20.0	16.0	1.68	0.56	78.0	17.0	9.0	2.2	15.0	148.0	132.0	20.0	0.148	<0.002	2.0	0.645	B
	Bhavani sagar	5.50	7.28	160	0	0.064	0.720	26	110	10	<1	64	16	16	2.24	0.56	66.0	15.0	7.0	2.8	11.0	132.0	120.0	16.0	0.028	<0.002	2.0	0.242	B
4	Bhavani	7.10	7.86	446	1.5	0.132	0.055	84	170	7	16	164	48	16	3.36	1.68	204	48.0	20.0	28.0	33.0	372.0	348.0	20.0	0.1	<0.002	4.0	0.651	B
5	R.N. Pudur	7.00	7.63	369	3.3	0.104	0.073	330	790	9	<1	124	32	16	4.48	2.24	146.0	30.0	17.0	22.0	28.0	284.0	264.0	40.0	0.213	<0.002	3.0	0.161	C
6	Vairapalayam	7.80	7.79	358	4.8	0.328	0.015	210	580	12	<1	124	31	16	5.6	3.36	114.0	30.0	10.0	26.0	28.0	264.0	236.0	24.0	0.245	<0.002	3.0	0.242	C
7	P. Velur	8.10	8.62	610	2.6	0.489	0.072	170	340	6	24	156	82	16	4.48	2.24	204.0	43.0	23.0	35.0	62.0	448.0	416.0	8.0	0.352	<0.002	6.0	0.930	B
8	Mohanur	8.40	8.49	581	2.6	0.382	0.061	140	320	6	16	152	70	16	3.36	1.68	188.0	42.0	20.0	38.0	52.0	388.0	360.0	8.0	0.3	<0.002	5.0	1.110	B
9	Madathukulam	8.30	7.35	132	1.3	0.057	0.006	22	70	14	<1	48	10	8	1.12	0.56	56.0	14.0	5.0	1.8	8.0	104.0	92.0	16.0	0.037	<0.002	1.5	0.040	B
10	Thirumukkudal	5.80	7.66	914	0.3	0.507	0.042	320	940	1	12	140	160	16	3.36	1.68	290.0	130.0	32.0	173.0	98.0	772.0	732.0	16.0	0.338	<0.002	5.0	0.783	C
11	Trichy U/S	7.00	7.81	550	3.5	<1	0.058	310	840	11	16	116	68	24	3.36	1.12	152.0	40.0	13.0	24.0	47.0	360.0	332.0	44.0	0.208	<0.002	5.0	0.564	C
12	Trichy D/S	5.40	7.48	615	3.8	<1	0.063	460	1200	25	16	160	78	24	3.36	1.68	230.0	56.0	22.0	33.0	61.0	484.0	448.0	28.0	0.204	<0.002	7.0	1.130	C
13	Grand Anaicut	6.40	7.42	520	2.7	<1	0.029	490	1300	21	16	152	74	16	4.48	2.24	196.0	35.0	26.0	1.8	53.0	356.0	324.0	32.0	0.194	<0.002	6.0	1.048	B
14	Coleroon	7.40	7.83	682	2.6	0.486	0.096	140	430	31	8	156	40	24	4.48	2.2	180.0	42.0	18.0	11.0	78.0	424.0	388.0	32.0	0.366	<0.002	6.0	0.570	B
15	Pitchavaram	7.80	8.12	922	1.8	0.757	0.261	170	540	8	8	140	210	16	3.36	1.1	204.0	42.0	24.0	20.0	114.0	612.0	580.0	16.0	0.259	<0.002	7.0	1.150	c
16	Karunthattankudi	8.00	8.31	569	2	0.071	0.039	120	350	10.00	<1	152	80.00	16.00	3.36	1.7	428.00	400.00	12.00	34.00	60.00	428.00	400.00	12.00	0.241	<0.002	6.00	0.42	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-C

CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF NOVEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class				
1	Komarapalayam	7.20	7.90	404.0	2.10	0.38	0.378	170.0	490.0	4.00	8.00	140.00	40.00	16.00	3.36	1.68	136.0	40.0	9.00	18.0	36.0	308.0	280.0	16.0	0.17	<0.002	4.0	0.21	B				
2	Urrachikottai	8.10	8.21	275.0	2.20	0.09	0.102	94.0	220.0	3.00	<1	104.00	23.00	16.00	2.24	0.56	110.0	25.0	12.00	9.0	18.0	224.0	212.0	8.0	0.06	<0.002	3.0	0.56	B				
3	Chirampalayam	8.00	8.17	400.0	1.60	0.15	1.060	210.0	630.0	4.00	12.00	136.00	36.00	16.00	4.48	2.24	152.0	40.0	13.00	19.0	30.0	304.0	280.0	20.0	0.15	<0.002	4.0	0.18	C				
4	Pugalur	8.20	8.30	543.0	0.10	0.40	0.026	260.0	630.0	2.00	12.00	136.00	50.00	16.00	2.24	1.12	192.0	88.0	21.00	16.0	53.0	380.0	352.0	16.0	0.26	<0.002	5.0	0.69	C				
5	Pettavaithalai	7.20	7.95	601.0	1.70	<1	0.018	170.0	490.0	35.00	16.00	146.00	54.00	16.00	2.24	1.12	184.0	43.0	18.00	29.0	53.0	392.0	360.0	36.0	0.21	<0.002	6.0	0.65	B				
6	Kumbakonam	5.80	8.10	534.0	1.20	0.07	0.029	110.0	280.0	14.00	<1	148.00	66.00	16.00	3.36	1.12	180.0	46.0	15.00	35.0	53.0	404.0	380.0	16.0	0.23	<0.002	6.0	0.39	B				
7	Mayiladurai							No Flow																									
8	Sathiyam nagalam	7.80	7.82	393.0	1.50	0.10	0.005	70.0	150.0	5.00	<1	116.00	65.00	16.00	3.36	1.12	142.00	32.0	15.00	20.0	33.0	304.0	284.0	16.0	0.02	<0.002	4.0	0.32	B				
9	Kalingalra yan Canal	8.10	7.38	577.0	1.80	0.09	0.016	320.0	630.0	10.00	16.00	172.00	52.00	24.00	3.36	1.68	232.0	40.0	32.00	40.0	39.0	404.0	372.0	16.0	0.29	<0.002	5.0	0.18	C				
10	Kalingalra yan Canal	7.90	8.26	581.0	1.40	0.40	0.021	310.0	700.0	12.00	12.00	168.00	56.00	24.00	3.36	1.68	224.0	51.0	23.00	43.0	39.0	412.0	376.0	20.0	0.33	<0.002	5.0	0.21	C				
11	Thirumani muthar	Nil	7.24	1885.0	22.0	0.40	2.070	6800.0	14000	13.00	32.00	556.00	290.0	96.00	10.08	6.16	550.0	72.0	90.0	69.0	245.0	1316.0	1180.0	60.0	1.84	<0.002	25.0	2.02	Below E				
12	Vasista	Nil	7.55	2060.0	30.0	0.27	4.010	14000.0	28000	20.00	<1	610.00	305.0	152.00	8.96	4.48	510.0	76.0	78.0	81.0	176.0	1484.0	1296.0	88.0	2.06	<0.002	94.0	1.90	Below E				
13	Sarabanga /Ed	Nil	7.78	1663.0	50.00	0.35	1.950	11000.0	17000	8.00	<1	412.00	270.0	136.00	7.84	4.48	290.0	72.0	27.0	4.4	215.0	1088.0	892.0	80.0	1.29	<0.002	26.0	1.79	Below E				
*CPCB-GEMS / MINARS Water Quality Criteria																																	
DBU Class-Designated Best Use										mg/L-milligram per liter										MPN-Most Probable Number													
A - Drinking Water Source without conventional treatment but after disinfection																																	
B - Outdoor bathing (organised)																																	
C - Drinking water source after conventional treatment and disinfection																																	
D -Propagation of wild life and fisheries																																	
E -Irrigation, Industrial cooling,controlled waste disposal																																	
Below E Not meeting A,B,C,D & E Criteria																																	

ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF NOVEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	6.8	7.03	36.2	<2.0	0.02	0.3	6	28	3.62	<1	10	5	8	0.28	<0.56	24	8.4	0.97	0.2	-	24	22	2	<0.15	<0.002	0.7	<0.01	A
2	Cheranmadevi	6.6	6.72	135	<2	0.1	0.84	44	124	42.8	2	50	45	32	0.56	<0.56	51	16	2.92	8.6	6.2	90	80	10	<0.15	<0.002	2.6	<0.01	B
3	Kokirakulam	5.1	6.78	209	<2	0.12	0.99	58	158	16.5	2	80	60	48	0.84	<0.56	100	27	7.78	17.3	13.5	138	126	12	<0.15	<0.002	4.9	<0.01	B
4	Murapanadu	6.5	7.16	279	<2	0.09	0.84	40	108	8.48	4	98	55	40	1.68	1.12	124	29	12.6	18	19.5	184	170	14	<0.15	<0.002	5.2	<0.01	B
5	Thiruvudaimarudur	6.8	6.84	64.4	<2	0.03	0.43	12	56	11	<1	28	35	24	0.28	<0.56	33	11	1.46	0.7	-	42	36	6	<0.15	<0.002	1.1	<0.01	B
6	Ambasamudram	7.2	6.9	51.1	<2	0.02	0.32	8	32	9.99	<1	20	10	16	0.28	<0.56	25	8	1.22	0.4	-	34	30	4	<0.15	<0.002	0.8	<0.01	A
7	Author	7.5	7.26	502	2.72	0.07	0.72	24	46	2.12	6	150	75	64	1.12	0.56	189	68	4.86	24.3	48.7	330	320	10	<0.15	<0.002	7.8	<0.01	A
8	Eral	6.6	7.24	447	2.02	0.07	0.74	32	84	2.42	4	152	65	48	1.4	1.12	202	51	18	21	35.7	296	288	8	<0.15	<0.002	6.2	<0.01	B
9	Kallidai Kurichi	7	6.87	57.4	<2	0.02	0.38	8	40	8.83	<1	22	15	24	0.28	<0.56	30	9.2	1.7	0.4	-	38	34	4	<0.15	<0.002	0.8	<0.01	A
10	Srivaikuntam	6.5	7.28	265	2.22	0.08	0.8	44	96	4.33	4	90	50	40	1.4	1.12	110	27	10.2	18.6	16	176	168	8	<0.15	<0.002	4.5	<0.01	B
11	Vellakovil	4.2	6.82	240	<2	0.13	1.09	64	212	10.3	2	80	65	56	1.12	<0.56	97	27	7.05	19	17.2	160	148	12	<0.15	<0.002	5.5	<0.01	B
12	Sivalaperi	4	6.85	245	<2	0.14	1.27	70	226	10.4	2	90	70	56	1.12	<0.56	110	34	6.08	20.3	17.4	162	148	14	<0.15	<0.002	5.6	<0.01	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF NOVEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI

LAKE WATER QUALITY (UNDER MINARS PROGRAMME) MONTH OF NOVEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagamandalam	5.8	6.8	280.0	4.6	0.18	2.09	260.0	940.0	17.0	<1	80.0	32.0	24.0	5.6	2.2	80.0	24.0	5.0	6.0	17.0	220.0	192.0	32.0	0.3	<0.002	7.0	0.4	Below E
2	Kodaikanal	7.4	6.6	110.4	3.6	0.33	<0.2	63.0	84.0	0.5	<1	40.0	20.7	40.0	6.2	4.5	35.6	7.9	3.9	3.2	5.4	74.0	62.0	12.0	<0.2	0.0	0.1	<1.1	Below E
3	Yercaud	7.8	7.2	358.0	1.7	<1	0.01	320.0	940.0	10.0	<1	92.0	46.0	16.0	3.4	1.7	96.0	28.0	6.0	6.0	27.0	252.0	228.0	40.0	<0.5	<0.002	9.0	0.2	C
4	Veeranam	7.8	8.0	396.0	1.4	<1	0.06	63.0	220.0	7.0	4.0	128.0	44.0	16.0	2.2	1.1	136.0	34.0	12.0	24.0	31.0	276.0	252.0	20.0	0.2	<0.002	4.0	0.4	B
5	Poondi	6.4	8.1	505.0	5.0	<1	<0.005	174.0	2220.0	20.0	5.0	30.0	61.0	48.0	11.0	6.0	110.0	36.0	5.0	58.0	37.0	296.0	202.0	14.0	<0.5	<0.001	1.0	0.0	Below E
6	Red Hills	4.2	8.7	478.0	3.0	<1	<0.05	170.0	2200.0	12.0	5.0	54.0	181.0	32.0	11.0	6.0	106.0	26.0	10.0	28.0	39.0	292.0	202.0	14.0	<0.5	<0.001	1.5	0.0	C
7	Porur	6.4	8.2	646.0	6.0	<1	0.2	100.0	800.0	50.0	5.0	64.0	119.0	24.0	6.0	3.0	106.0	25.0	11.0	26.0	81.0	354.0	224.0	10.0	<0.5	<0.001	13.0	<0.1	Below E
8	Pulicat	4.8	7.5	44000.0	4.0	<1	0.2	60.0	780.0	22.0	<1	60.0	15589.0	80.0	11.0	8.0	1300.0	96.0	258.0	1590.0	6020.0	28496.0	25870.0	16.0	<0.5	<0.001	265.0	0.0	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-A

CAUVERY RIVER WATER QUALITY(UNDER GEMS PROGRAMME) FOR THE MONTH OF DECEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenolphthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Mettur	7.10	8.07	397.0	1.8	0.01	0.004	26.0	84.0	4.0	4.0	116.0	32.0	16.0	2.2	0.6	126.0	29.6	12.6	1.5	25.7	272.0	244.0	8.0	0.03	<0.002	3.10	0.18	B
2	Pallipalayam	5.50	8.29	415.0	2.9	0.13	0.026	330.0	1100.0	7.0	<1	160.0	42.0	16.0	3.4	1.7	136.0	34.0	12.6	14.0	35.2	292.0	268.0	20.0	<0.5	<0.002	4.40	<1	C
3	Musiri borewell						No	Flow																					
4	Musiri ferrygate	6.60	8.02	763.0	1.40	0.44	0.115	130.0	380.0	29.0	12.0	176.0	106.0	16.0	2.2	1.2	224.0	53.0	22.4	40.0	72.0	512.0	480.0	36.0	0.2	<0.002	7.0	0.74	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

mg/L-milligram per liter

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-VIII-B
CAUVERY RIVER WATER QUALITY-(UNDER MINARS PROGRAMME FOR THE MONTH OF DECEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N, as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Bathira kalamman koil	6.70	6.91	339	0.9	0.171	0.012	70	220	26	<1	84.0	62.0	16.0	2.24	1.12	110.0	26.0	11.0	18.0	23.4	256.0	232.0	8.0	0.125	<0.002	2.5	0.806	B
2	Sirumugai	7.00	7.28	184	0.3	0.329	0.010	63	210	18.8	<1	96.0	19.0	8.0	2.24	0.56	61.0	14.0	6.3	18.0	13.2	140.0	132.0	8.0	0.060	<0.002	2.1	0.645	B
	Bhavani sagar	7.80	7.30	200	2.1	0.057	0.029	21	94	16	<1	60	22	8	1.68	0.56	72.0	19.0	5.8	0.9	13.0	144.0	132.0	8.0	0.125	<0.002	2.6	0.288	B
4	Bhavani	7.00	7.92	572	1.6	0.222	0.079	47	140	12	8	164	60	16	2.8	1.12	212	51.0	20.4	29.0	45.0	372.0	348.0	8.0	0.2	<0.002	5.6	0.455	B
5	R.N. Pudur	7.00	8.45	412	2	0.131	0.013	210	840	6	<1	132	36	16	3.36	1.68	154.0	34.0	17.0	15.0	32.0	296.0	264.0	24.0	0.166	<0.002	3.7	0.737	C
6	Vairapalayam	6.80	8.46	408	2.7	0.106	0.023	170	400	9	<1	132	40	24	2.24	1.12	144.0	34.0	14.1	17.0	31.0	308.0	268.0	20.0	0.134	<0.002	3.7	0.645	B
7	P. Velur	7.50	8.15	510	2.1	0.246	0.045	140	320	5	4	152	58	16	2.24	1.12	156.0	62.0	12.6	13.0	45.0	368.0	344.0	8.0	0.301	<0.002	4.8	0.852	B
8	Mohanur	7.60	8.07	645	1.6	0.257	0.054	110	330	8	8	176	76	16	3.36	1.12	164.0	51.0	8.8	19.0	59.0	428.0	404.0	8.0	0.4	<0.002	6.3	1.080	B
9	Madathukulam	8.40	8.14	473	1.7	0.042	0.007	26	110	18	<1	136	38	16	2.24	1.12	152.0	41.0	12.2	17.0	25.1	356.0	332.0	16.0	0.042	<0.002	3.8	0.040	B
10	Thirumukkudal	6.70	7.61	1129	0.3	0.639	0.051	210	470	3	12	184	195	16	4.48	1.68	292.0	77.0	24.3	111.0	115.0	768.0	736.0	16.0	0.347	<0.002	5.7	0.760	B
11	Trichy U/S	8.10	8.43	660	2.3	0.522	0.421	460	1100	15	12	168	88	24	3.36	1.68	212.0	43.0	25.3	39.0	63.0	472.0	436.0	28.0	0.277	<0.002	6.3	0.898	C
12	Trichy D/S	6.90	7.97	714	3.9	0.600	0.510	490	1300	32	8	176	110	40	6.16	3.36	236.0	50.0	27.2	40.0	73.0	508.0	464.0	32.0	0.347	<0.002	7.4	1.013	Below E
13	Grand Anaicut	8.30	7.89	688	4.2	0.557	0.339	630	1400	28	8	184	101	32	5.6	2.24	220.0	48.0	24.3	44.0	67.0	464.0	420.0	20.0	0.296	<0.002	7.1	0.991	Below E
14	Coleroon	7.40	8.21	878	1.8	0.843	0.136	79	280	10	8	168	160	24	3.36	1.7	224.0	53.0	22.4	27.0	115.0	588.0	536.0	8.0	<0.194	<0.002	7.7	0.668	B
15	Pitchavaram	5.50	7.75	733	2.4	0.800	0.129	84	350	20	4	168	106	24	2.24	1.1	208.0	51.0	19.4	27.0	83.0	536.0	496.0	16.0	0.181	<0.002	6.4	0.726	B
16	Karunthattankudi	7.90	8.04	663	3	0.142	0.064	130	320	47.00	8	168	84.00	16.00	2.24	1.1	184.00	42.00	19.40	23.00	74.20	424.00	372.00	40.00	0.296	<0.002	5.70	0.40	B

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

MPN-Most Probable Number

ANNEXURE-VIII-C

CAUVERY RIVER WATER QUALITY - (UNDER MINARS PROGRAMME) FOR THE MONTH OF DECEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class		
1	Komarapalayam	5.00	8.07	496.0	4.20	0.18	0.037	170.0	470.0	11.00	<1	136.00	51.00	56.00	4.48	2.80	108.0	28.0	9.23	12.0	48.1	336.0	308.0	28.0	0.19	<0.002	5.8	0.65	Below E		
2	Urrachikottai	7.40	8.21	351.0	1.80	0.15	0.032	79.0	170.0	5.00	4.00	120.00	30.00	16.00	2.24	1.12	96.0	30.0	5.34	6.2	26.2	264.0	240.0	8.0	0.19	<0.002	3.0	0.28	B		
3	Chirampalayam	6.70	8.30	374.0	2.20	0.11	0.029	110.0	320.0	4.00	<1	140.00	38.00	16.00	3.36	1.68	136.0	32.0	14.00	19.0	29.0	272.0	248.0	20.0	0.15	<0.002	3.5	0.47	B		
4	Pugalur	7.90	8.46	676.0	1.80	0.46	0.035	210.0	580.0	6.00	16.00	156.00	96.00	16.00	2.24	1.12	224.0	46.0	26.20	42.0	64.0	440.0	408.0	20.0	0.23	<0.002	6.3	0.70	C		
5	Pettavaithalai	6.70	8.14	724.0	1.10	0.40	0.091	110.0	350.0	20.00	16.00	188.00	96.00	16.00	2.24	1.12	232.0	48.0	27.20	41.0	67.0	488.0	464.0	28.0	0.14	<0.002	6.7	0.58	C		
6	Kumbakonam	8.60	8.09	596.0	2.70	0.08	0.058	110.0	260.0	17.00	16.00	144.00	90.00	60.00	2.24	1.12	164.0	46.0	12.00	27.0	63.2	392.0	364.0	20.0	0.29	<0.002	6.5	0.34	C		
7	Mayiladurai							No Flow																							
8	Sathiyama nagalam	8.10	8.20	398.0	1.70	0.14	0.045	27.0	110.0	4.00	<1	120.00	42.00	16.00	2.24	1.12	168.00	35.0	19.40	15.0	32.0	288.0	268.0	8.0	0.17	<0.002	4.1	0.39	B		
9	Kalingalrajan Canal	5.50	8.29	603.0	1.70	0.15	0.026	170.0	580.0	10.00	<1	168.00	56.00	16.00	4.48	2.24	216.0	46.0	24.30	39.0	45.1	404.0	364.0	16.0	0.27	<0.002	5.6	0.80	C		
10	Kalingalrajan Canal	5.70	8.32	608.0	1.90	0.16	0.029	210.0	630.0	11.00	<1	164.00	58.00	16.00	3.36	1.68	236.0	43.0	31.10	40.0	45.3	404.0	368.0	16.0	0.29	<0.002	5.6	0.81	C		
11	Thirumani muthar	Nil	7.60	2360.0	21.0	0.14	1.840	70000.0	150000	75.00	<1	570.00	350.0	144.00	38.00	####	530.0	100.2	68.0	9.0	268.0	1516.0	1328.0	80.0	2.29	<0.002	39.5	1.03	Below E		
12	Vasista	Nil	7.14	2440.0	96.0	0.15	1.780	84000.0	170000	122.00	<1	650.00	350.0	440.00	43.70	####	480.0	96.0	58.3	24.0	185.0	1880.0	1380.0	180.0	2.39	<0.002	115.0	1.22	Below E		
13	Sarabanga/Ed	2.50	7.86	3110.0	23.00	0.33	6.330	32000.0	94000	7.00	<1	530.00	630.0	144.00	22.40	7.84	470.0	92.0	58.3	23.0	409.0	1988.0	1756.0	28.0	1.29	<0.002	39.0	1.26	Below E		
*CPCB-GEMS / MINARS Water Quality Criteria																															
DBU Class-Designated Best Use											mg/L-milligram per liter											MPN-Most Probable Number									
A - Drinking Water Source without conventional treatment but after disinfection																															
B - Outdoor bathing (organised)																															
C - Drinking water source after conventional treatment and disinfection																															
D -Propagation of wild life and fisheries																															
E -Irrigation, Industrial cooling,controlled waste disposal																															
Below E Not meeting A,B,C,D & E Criteria																															

**ANNEXURE-IX
TAMIRAPARANI RIVER WATER QUALITY-(UNDER MINARS PROGRAMME) FOR THE MONTH OF DECEMBER 2018**

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Papanasam	7.4	6.68	53	2.3	0.02	0.27	4	6	6.65	<1	4	10	24	0.28	<0.56	20	5.6	1.46	0.7	1.7	36	30	6	<0.15	<0.002	1.8	<0.01	A
2	Cheranmadevi	6.5	6.58	156	5.9	0.11	0.75	9	17	4.16	<1	14	20	48	2.28	<0.56	30	9.6	1.46	14	8.4	116	100	8	<0.15	<0.002	2.4	<0.01	Below E
3	Kokirakulam	5.5	6.69	165	5.3	0.12	0.93	9	17	8.97	<1	14	24	56	3.64	<0.56	32	11	0.97	14	8.7	120	110	8	<0.15	<0.002	2.8	<0.01	Below E
4	Murapanadu	6.7	7.41	285	6	0.1	0.87	33	70	5.88	4	30	50	40	7.84	<0.56	128	45	3.89	32	20.3	200	192	6	<0.15	<0.002	3.6	<0.01	Below E
5	Thiruvaidaimarudur	6.7	6.51	84	2.4	0.03	0.47	6	17	3.22	<1	10	16	32	1.4	<0.56	25	8.4	0.97	12	4.1	56	50	6	<0.15	<0.002	1.4	<0.01	A
6	Ambasamudram	7.3	6.56	63	2.1	0.03	0.36	6	9	2.53	<1	8	12	24	0.28	<0.56	21	4.8	2.19	0.9	2.7	40	36	4	<0.15	<0.002	1	<0.01	A
7	Author	6.8	7.08	546	5	0.08	0.72	17	70	3.86	6	70	70	80	5.6	<0.56	163	58	4.62	18	60	366	360	4	<0.15	<0.002	7	<0.01	Below E
8	Eral	7	7.27	394	4.8	0.1	0.76	26	110	1.24	4	40	50	48	7	<0.56	50	24	3.65	24	34	260	256	4	<0.15	<0.002	4.8	<0.01	Below E
9	Kallidai Kurichi	7	6.54	72	2.8	0.03	0.42	6	12	4.63	<1	10	10	32	0.84	<0.56	24	8	0.97	11.1	3	46	40	6	<0.15	<0.002	1.1	<0.01	A
10	Srivaikuntam	6.7	7.42	282	5.6	0.08	0.84	26	140	4.88	4	30	45	48	8.4	<0.56	126	44	3.89	24.1	20	198	190	6	<0.15	<0.002	3.1	<0.01	Below E
11	Vellakovil	6.2	6.78	204	5.5	0.13	0.99	7	17	6.36	<1	18	28	56	3.36	<0.56	50	16	2.19	17	11	138	126	10	<0.15	<0.002	2.8	<0.01	Below E
12	Sivalaperi	5.4	6.81	181	4.9	0.14	1.21	12	17	9.21	<1	12	32	56	4.48	<0.56	63	24	0.73	16	10	122	114	10	<0.15	<0.002	2.8	<0.01	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

MPN-Most Probable Number

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE-X

PALAR & VAIGAI RIVER WATER QUALITY(UNDER MINARS PROGRAMME) FOR THE MONTH OF DECEMBER - 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class	
1	Vaigai						No Flow																						
2	Palar						No Flow																						

*CPCB-GEMS / MINARS Water Quality Criteria

MPN-Most Probable Number

DBU Class-Designated Best Use mg/L-milligram per liter

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

ANNEXURE -XI
LAKE WATER QUALITY (UNDER MINARS PROGRAMME) MONTH OF DECEMBER 2018

S.NO	Name of station	D.O mg/L	pH	Conductivity m mhos/cm	BOD at 27 C mg/L	Nitrate mg/L	Nitrite mg/L	Fecal coliform MPN/100 ml	Total coliform MPN/100 ml	Turbidity NTU	Phenophthaline Alkalinity mg/L	Total Alkalinity as CaCO3 mg/L	Chloride mg/L	COD mg/L	Total Kjeldahl Nitrogen mg/L	Ammonia-N,as N mg/L	Hardness as CaCO3 mg/L	Calcium as Ca++ mg/L	Magnesium as Mg++ mg/L	Sulphate mg/L	Sodium mg/L	Total Dissolved Solids mg/L	Total Fixed Solids mg/L	Total Suspended Solids mg/L	Phosphate mg/L	Boron mg/L	Potassium mg/L	Fluoride mg/L	DBU Class
1	Udhagamandalam	6.3	6.9	394.0	9.3	0.35	1.31	330.0	1100.0	13.0	<1	116.0	52.0	88.0	9.0	4.5	108.0	34.0	6.0	25.0	30.0	340.0	276.0	40.0	0.4	<0.002	11.0	0.4	Below E
2	Kodaikanal	7.1	6.7	1112.0	5.2	<0.2	3.36	49.0	63.0	0.3	<1	44.0	20.0	48.0	5.0	3.4	37.6	8.7	3.8	2.0	4.5	68.0	66.0	2.0	<0.2	0.027	0.1	<0.1	Below E
3	Yercaud	7.2	7.6	355.0	2.0	0.34	0.01	260.0	630.0	9.0	<1	92.0	50.0	16.0	9.0	3.4	104.0	34.0	4.9	51.0	30.0	292.0	272.0	8.0	0.1	<0.002	9.4	0.2	C
4	Veeranam	7.6	8.3	423.0	1.3	0.68	0.09	34.0	130.0	8.0	8.0	128.0	48.0	16.0	2.2	0.6	128.0	32.0	12.0	11.0	40.0	320.0	292.0	16.0	0.1	<0.002	4.7	0.6	B
5	Poondi	6.3	7.7	479.0	3.0	0.92	<0.05	80.0	1200.0	10.0	<1	26.0	61.0	40.0	6.0	3.0	122.0	41.0	5.0	54.0	71.0	214.0	152.0	8.0	<0.5	<0.001	6.0	0.03	Below E
6	Red Hills	6.6	7.6	471.0	5.0	<1	<0.05	31.0	480.0	10.0	<1	26.0	61.0	32.0	6.0	3.0	108.0	28.0	9.0	48.0	71.0	288.0	184.0	10.0	<0.5	<0.001	6.0	0.03	C
7	Porur	4.3	6.3	689.0	17.0	<1	0.1	18.0	420.0	15.0	<1	30.0	139.0	104.0	17.0	8.0	280.0	60.0	32.0	22.0	94.0	420.0	382.0	12.0	<0.5	<0.001	15.0	0.02	Below E
8	Pulicat	6.8	7.2	33500.0	2.0	<1	0.0	<1.8	45.0	15.0	<1	30.0	15341.0	72.0	6.0	3.0	4800.0	321.0	972.0	5210.0	4995.0	21092.0	19924.0	18.0	<0.5	<0.001	249.0	0.03	Below E

*CPCB-GEMS / MINARS Water Quality Criteria

DBU Class-Designated Best Use

A - Drinking Water Source without conventional treatment but after disinfection

B - Outdoor bathing (organised)

C - Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E -Irrigation, Industrial cooling,controlled waste disposal

Below E Not meeting A,B,C,D & E Criteria

mg/L-milligram per liter

mg/L-milligram per liter

MPN-Most Probable Number