

DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
PUDUCHERRY POLLUTION CONTROL COMMITTEE
ENVIRONMENTAL ANALYTICAL LABORATORY

STATUS OF SEA WATER QUALITY ON THE OCCASION OF VINAYAGAR
CHATURTHI FESTIVAL 2018-Karaikal

S.No	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample- II
		Reference Point	Immersion Point	Reference Point	Immersion Point	Reference Point	Immersion Point
1	Dt. of Sampling	11.09.2018	11.09.2018	15.09.2018	15.09.2018	18.09.2018	18.09.2018
2	Time	09.45 AM	09.30 AM	11.30 PM	11.00 PM	05.00 PM	04.30 PM
3	Temperature °C	31	31	29	29	31	31
4	pH	8.03	8.13	8.0	8.02	7.94	8.04
5	Conductivity ms/cm	51.8	51.9	51.9	52.4	51.4	51.6
6	COD mg/l	Nil	Nil	Nil	Nil	Nil	Nil
7	BOD mg/l	BDL	BDL	BDL	BDL	BDL	BDL
8	TS mg/l	33,578	33,724	33,535	34,044	33,381	33,597
9	TDS mg/l	33,490	33,628	33,450	33,952	33,300	33,510
10	TSS mg/l	88	96	85	92	81	87
11	Arsenic (as As) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
12	Cadmium (as Cd) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
13	Copper (as Cu) mg/l	0.02	0.13	0.13	0.13	0.13	0.13
14	Lead (as Pb) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
15	Chromium (as Cr) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
16	Nickel (as Ni) mg/l	0.087	0.09	0.09	0.098	0.11	0.10
17	Zinc (as Zn) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
18	Iron (as Fe) mg/l	1.25	1.52	1.96	1.43	0.63	0.28

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CHATURTHI FESTIVAL 2018-Puducherry

S.No	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample- II
		Reference Point	Immersion Point	Reference Point	Immersion Point	Reference Point	Immersion Point
1	Dt. of Sampling	10.09.2018	10.09.2018	17.09.2018	17.09.2018	19.09.2018	19.09.2018
2	Time	10.40 AM	11.15 AM	06.30 PM	10.00 PM	10.10 AM	10.30 AM
3	Temperature °C	29	31	28	28	28	29
4	pH	7.64	7.88	7.69	7.79	8.00	8.03
5	Conductivity ms/cm	49	50	49.6	50	49.7	50.7
6	COD mg/l	Nil	Nil	Nil	Nil	Nil	Nil
7	BOD mg/l	BDL	BDL	BDL	BDL	BDL	BDL
8	TS mg/l	31,955	32,234	32,237	32,330	32,094	32,396
9	TDS mg/l	31,874	32,146	32,152	32,240	32,000	32,300
10	TSS mg/l	81	88	85	90	94	96
11	Arsenic (as As) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
12	Cadmium (as Cd) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
13	Copper (as Cu) mg/l	0.114	0.02	0.13	0.13	0.13	0.13
14	Lead (as Pb) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
15	Chromium (as Cr) mg/l	BDL	BDL	BDL	BDL	BDL	BDL
16	Nickel (as Ni) mg/l	0.059	0.07	0.10	0.078	0.12	0.12
17	Zinc (as Zn) mg/l	0.20	BDL	0.41	BDL	0.36	BDL
18	Iron (as Fe) mg/l	1.05	1.21	0.27	1.3	0.29	0.42
19	Dissolved Oxygen mg/l	6.1	6.1	6.3	6.6	6.3	6.6