

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 2019-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	26.08.2019	26.08.2019	05.09.2019	05.09.2019	09.09.2019	09.09.2019
2	Time	04.30 P.M	05.00 P.M	09.20 A.M	09.40 A.M	08.30 A.M	09.00 A.M
3	Temperature °C	30.9	30.8	31.6	31.9	29.4	29.2
4	pH	7.91	7.92	8.19	8.20	8.05	8.04
5	Conductivity mS/cm	52.2	52.5	53.2	52.9	52.3	52.1
6	COD mg/l	NIL	NIL	NIL	NIL	NIL	NIL
7	BOD mg/l	BDL	BDL	BDL	BDL	BDL	BDL
8	TS mg/l	38276	37867	42949	38798	37137	37257
9	TDS mg/l	38234	37818	42812	38582	36922	37030
10	TSS mg/l	42	49	137	216	215	227
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	BDL	BDL	BDL	BDL	BDL	BDL
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	BDL	BDL	BDL	BDL	BDL	BDL
17	Zinc (as Zn) mg/l	0.034	0.112	0.019	0.017	BDL	BDL
18	Iron (as Fe) mg/l	3.06	2.63	1.81	1.95	1.74	0.23
19	Dissolved Oxygen mg/l	6.1	6.1	6.4	6.3	6.1	5.9

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CHATURTHI FESTIVAL 2019-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	26.08.2019	26.08.2019	06.09.2019	06.09.2019	09.09.2019	09.09.2019
2	Time	05.00 PM	05.45PM	05.45 PM	09.30 PM	05.30 PM	06.00 PM
3	Temperature °C	28	27	26	25	26.5	26
4	pH	7.90	7.90	7.69	7.96	7.96	7.88
5	Conductivity mS/cm	51.0	50.4	52.0	51.6	51.9	49.9
6	COD mg/l	NIL	NIL	NIL	NIL	NIL	NIL
7	BOD mg/l	1.25	BDL	BDL	2.55	BDL	2.05
8	TS mg/l	36448	36325	38468	39148	36516	35909
9	TDS mg/l	36428	36292	38344	39020	36430	35792
10	TSS mg/l	20	33	124	128	86	117
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	BDL	BDL	BDL	BDL	BDL	BDL
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	BDL	BDL	BDL	BDL	BDL	BDL
17	Zinc (as Zn) mg/l	0.109	0.088	0.066	0.201	0.037	0.054
18	Iron (as Fe) mg/l	0.39	1.19	0.24	0.91	0.10	0.02
19	Dissolved Oxygen mg/l	6.2	6.3	6.8	6.6	6.7	6.6