

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, 2025 - PUDUCHERRY													
Sl. No.	Parameter	Pre Immersion		During Immersion		Post Immersion							
		Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II
		Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)
1	Latitude	11°55' 34 26 66"N	11°92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11°92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N
2	Longitude	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E
3	Dt .of Sampling	20.08.2025	20.08.2025	31.08.2025	31.08.2025	02.09.2025	02.09.2025	04.09.2025	04.09.2025	06.09.2025	06.09.2025	08.09.2025	08.09.2025
4	Time	11.45 A.M	12.30 P.M	06.30 P.M	09.30 P.M	11.10 A.M	11.45 A.M	11.00 A.M	11.30 A.M	11.00 A.M	11.45 A.M	11.15 A.M	12.10 P.M
5	Temperature °C	31.0	31.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
6	pH	7.96	7.99	7.98	7.99	7.90	7.93	7.96	7.98	7.90	7.92	8.05	8.05
7	Conductivity mS/cm	51.3	51.6	51.2	51.2	51.2	50.3	51.9	51.4	51.8	51.6	51.5	51.5
8	Turbidity NTU	2.9	3.0	15.5	18.3	9.1	8.2	6.4	10.4	14.5	10.9	3.1	5.7
9	DO mg/l	6.0	6.1	5.8	6.2	6.1	6.1	5.6	5.5	6.5	6.4	6.1	6.0
10	BOD mg/l	BDL (DL: 1.0)		1.1	1.1	BDL (DL: 1.0)							
11	TSS mg/l	14.0	17.0	30.0	45.0	18.0	10.0	21.0	23.0	17.0	17.0	9.0	8.0
12	Chloride mg/l	19330	19720	21850	18940	19140	22830	21210	21308	21695	21502	21598	21502
13	Total Hardness mg/l	6400	6300	6460	6240	6080	6300	6220	6060	6220	6020	6120	6240
14	TDS mg/l	37320	37870	37280	37280	37440	37245	40024	37519	39837	38325	37701	37716
15	T. Alkalinity mg/l	130	132	128	128	126	128	128	128	130	132	134	134
16	Total Solids mg/l	37334	37887	37310	37325	37458	37255	40045	37542	39854	38342	37710	37724

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
 BDL - Below Detection Limit; DL - Detectable Limit

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, 2025 - PUDUCHERRY													
Sl. No.	Parameter	Pre Immersion		During Immersion		Post Immersion							
		Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II
		Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)
1	Latitude	11°55' 34 26 66"N	11°92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11°92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N	11°55' 34 26 66"N	11° 92' 83 56 21"N
2	Longitude	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E
3	Dt .of Sampling	20.08.2025	20.08.2025	31.08.2025	31.08.2025	02.09.2025	02.09.2025	04.09.2025	04.09.2025	06.09.2025	06.09.2025	08.09.2025	08.09.2025
4	Time	11.45 A.M	12.30 P.M	06.30 P.M	09.30 P.M	11.10 A.M	11.45 A.M	11.00 A.M	11.30 A.M	11.00 A.M	11.45 A.M	11.15 A.M	12.10 P.M
5	Total Chromium mg/l	BDL(DL:0.01)											
6	Lead mg/l	BDL(DL:0.01)											
7	Zinc mg/l	0.104	0.10	0.657	1.134	0.039	0.023	0.073	0.054	0.080	0.059	0.073	0.085
8	Copper mg/l	0.042	0.034	0.026	0.029	0.033	0.032	0.028	0.028	0.055	0.032	0.045	0.047
9	Cadmium mg/l	BDL(DL:0.001)											
10	Mercury mg/l	BLD (DL:0.0005)											
11	Antimony mg/l	BDL(DL:0.01)											
12	Barium mg/l	0.286	BDL(DL:0.01)										
13	Cobalt mg/l	BDL(DL:0.01)											
14	Manganese mg/l	0.332	0.199	0.263	0.198	0.257	0.177	0.124	0.161	0.172	0.183	0.151	0.129
15	Strontium mg/l	5.85	6.12	6.24	6.37	6.20	6.00	5.06	5.38	6.14	6.07	6.58	6.63

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
BDL - Below Detection Limit; DL - Detectable Limit

DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT PUDUCHERRY POLLUTION CONTROL COMMITTEE ENVIRONMENTAL ANALYTICAL LABORATORY													
STATUS OF SEDIMENT SAMPLE QUALITY ON THE OCCASION OF VINAYAGAR CHATURTHI FESTIVAL, 2025 - PUDUCHERRY													
Sl. No.	Parameter	Pre Immersion		During Immersion		Post Immersion							
		Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II	Sample - I	Sample- II
		Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)	Old Harbour (Ref. Pt.)	Old Court (Imm. Pt.)
1	Latitude	11° 55' 34 26 66" N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N	11° 55' 34 26 66"N	11° 92' 83 56 21"N
2	Longitude	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E	79° 50' 41 40 26"E	79° 83' 54 35 45"E
3	Dt .of Sampling	20.08.2025	20.08.2025	31.08.2025	31.08.2025	02.09.2025	02.09.2025	04.09.2025	04.09.2025	06.09.2025	06.09.2025	08.09.2025	08.09.2025
4	Time	11.45 A.M	12.30 P.M	06.30 P.M	09.30 P.M	11.10 A.M	11.45 A.M	11.00 A.M	11.30 A.M	11.00 A.M	11.45 A.M	11.15 A.M	12.10 P.M
5	Chromium mg/kg	6.96	10.8	7.01	15.8	5.34	5.46	6.51	5.63	6.12	3.75	6.22	5.9
6	Lead mg/kg	BDL (DL:1.0)											
7	Zinc mg/kg	6.96	13.4	9.33	24.9	6.57	7.02	8.63	9.23	7.85	8.0	8.39	8.52
8	Copper mg/kg	2.35	12.9	7.35	13.8	2.87	6.82	4.2	5.99	3.19	6.78	3.31	5.83
9	Cadmium mg/kg	BDL (DL:1.0)											
10	Mercury mg/kg	BDL (DL:1.0)											
11	Antimony mg/kg	BDL (DL:1.0)											
12	Barium mg/kg	12.7	13.2	10.4	14.6	5.27	5.34	7.85	17.60	6.25	6.40	3.20	4.24
13	Cobalt mg/kg	BDL (DL:1.0)											
14	Manganese mg/kg	58.4	65.7	62.3	94.4	64.9	50.6	68.3	64.4	57.1	52.6	18.1	30.5
15	Strontium mg/kg	9.03	15.8	9.67	33.9	17.9	18.6	13.2	12.6	12.1	15.7	11.7	10.6

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
 BDL - Below Detection Limit; DL - Detectable Limit

**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 2025 - KARAIKAL

S.No	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample- II
		Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)	Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)	Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)
1	Latitude	10°56'29"N	10°56'40"N	10°56'29"N	10°56'40"N	10°56'29"N	10°56'40"N
2	Longitude	79°51' 13"E	79°51' 12"E	79°51' 13"E	79°51' 12"E	79°51' 13"E	79°51' 12"E
3	Dt .of Sampling	20.08.2025	20.08.2025	29.08.2025	29.08.2025	02.09.2025	02.09.2025
4	Time	06.30 AM	06.45 AM	11.40 PM	11.55 PM	08.25 AM	08.35 AM
5	Temperature °C	29.0	29.0	28.5	28.0	29.0	28.5
6	pH	7.95	7.97	7.92	7.92	8.02	8.05
7	Conductivity mS/cm	51.1	51.6	51.7	51.9	51.9	51.7
8	Turbidity mg/l	2.6	2.5	9.2	9.0	10.5	11.4
9	DO mg/l	7.0	6.8	7.1	6.9	7.2	7.4
10	BOD mg/l	BDL (DL:1.0)	1.0	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)	BDL (DL:1.0)
11	TSS mg/l	8.0	10.0	20.0	86.0	20.0	28.0
12	Chloride mg/l	19140.0	19430.0	22440.0	21270.0	19620.0	19910.0
13	Total Hardness mg/l	6300.0	6220.0	6240.0	6200.0	6260.0	6180.0
14	TDS mg/l	37277	37805	38322	38401	39005	38487
15	T. Alkalinity mg/l	130.0	132.0	132	130	130	130
16	Total Solids mg/l	37285	37815	38342	38487	39025	38515

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
BDL - Below Detection Limit; DL - Detectable Limit

**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 2025 - KARAIKAL

Sl. No.	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample - II
		Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)	Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)	Kilinjalmadu (Ref. Pt.)	Kilinjalmadu (Imm. Pt.)
1	Latitude	10°56'29"N	10°56'40"N	10°56'29"N	10°56'40"N	10°56'29"N	10°56'40"N
2	Longitude	79°51' 13"E	79°51' 12"E	79°51' 13"E	79°51' 12"E	79°51' 13"E	79°51' 12"E
3	Dt .of Sampling	20.08.2025	20.08.2025	29.08.2025	29.08.2025	02.09.2025	02.09.2025
4	Time	06.30 AM	06.45 AM	11.40 PM	11.55 PM	08.25 AM	08.35 AM
5	Chromium mg/l	BDL (DL:0.01)					
6	Lead mg/l	BDL (DL:0.01)					
7	Zinc mg/l	0.078	0.123	0.061	0.035	0.053	0.039
8	Copper mg/l	0.037	0.059	0.064	0.01	0.041	0.066
9	Cadmium mg/l	BDL (DL:0.001)					
10	Mercury mg/l	BDL (DL:0.0005)					
11	Antimony mg/l	BDL (DL:0.01)					
12	Barium mg/l	BDL (DL:0.01)					
13	Cobalt mg/l	BDL (DL:0.01)					
14	Manganese mg/l	0.191	0.286	0.163	0.246	0.188	0.152
15	Strontium mg/l	5.46	4.92	6.26	5.82	6.45	6.53

Ref. Pt. - Reference point; Imm. Pt. - Immersion point

BDL - Below Detection Limit; DL - Detectable Limit