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, 2026 - 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	27.08.2026	27.08.2026	20.09.2026	20.09.2026	23.09.2026	23.09.2026	25.09.2026	25.09.2026	28.09.2026	28.09.2026	30.09.2026	30.09.2026
4	Time	10.50 A.M	11.20 A.M	5.50 PM	09.05 PM	10.50 AM	11.20 AM	10.55 AM	11.20 AM	09.55 AM	10.20 AM	10.50 AM	11.15 AM
5	Temperature °C	32.0	32.0	32.0	30.0	32.0	32.0	32.0	32.0	33.0	33.5	32.0	32.0
6	pH	8.01	8.05	8.07	8.03	8.06	8.07	7.95	7.99	8.07	8.10	8.02	8.05
7	Conductivity mS/cm	49.4	49.4	48.3	49.0	50.1	50.4	49.8	49.5	50.2	49.9	49.8	49.9
8	Turbidity NTU	7.1	5.1	2.6	1.6	1.8	3.3	5.2	6.4	1.7	2.5	3.3	4.8
9	DO mg/l	6.2	6.0	6.4	6.3	6.3	6.2	6.2	6.3	6.5	6.3	6.1	6.2
10	BOD mg/l	1.9	1.3	2.0	2.6	BDL (DL: 1.0)	1.3	2.5	1.4	2.8	2.1	2.4	2.5
11	TSS mg/l	27	18	213	101	38	470	243	73	61	42	72	56
12	Chloride mg/l	20046.3	18526.2	19329.5	19620.9	19718.0	19912.3	19620.9	19329.5	20397.9	19135.2	19815.1	19523.7
13	Total Hardness mg/l	5803.9	5725.5	5509.8	5647.0	6156.8	6411.8	5999.9	6019.6	6176.0	6078.1	6313.7	6705.9
14	TDS mg/l	36915	37183	35410	35880	36743	36964	36907	36684	36990	36769	36699	36731
15	T. Alkalinity mg/l	157	159	163	158	160	163	154	157	165	167	158	160

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

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STATUS OF SEA WATER QUALITY ON THE OCCASION OF VINAYAGAR CHATURTHI FESTIVAL, 2026 - 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	27.08.2026	27.08.2026	20.09.2026	20.09.2026	23.09.2026	23.09.2026	25.09.2026	25.09.2026	28.09.2026	28.09.2026	30.09.2026	30.09.2026
4	Time	10.50 A.M	11.20 A.M	05.50 P.M	09.05 P.M	10.50 A.M	11.20 A.M	10.55 A.M	11.20 A.M	09.55 A.M	10.20 A.M	10.50 A.M	11.15 A.M
5	Total Chromium mg/l	BDL (DL: 0.02)											
6	Lead mg/l	BDL (DL: 0.001)											
7	Zinc mg/l	BDL (DL: 0.05)											
8	Copper mg/l	BDL (DL: 0.02)											
9	Cadmium mg/l	BDL (DL: 0.001)											
10	Mercury mg/l	BDL (DL: 0.0005)											
11	Antimony mg/l	BDL (DL: 0.003)											
12	Barium mg/l	BDL (DL: 0.05)											
13	Cobalt mg/l	BDL (DL: 0.01)											
14	Manganese mg/l	BDL (DL: 0.02)											
15	Strontium mg/l	3.8234	3.9701	6.93	7.08	6.64	6.42	6.23	6.33	6.22	6.45	5.27	5.82

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
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DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
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STATUS OF SEDIMENT SAMPLE QUALITY ON THE OCCASION OF VINAYAGAR CHATURTHI FESTIVAL, 2026 - 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	27.08.2026	27.08.2026	20.09.2026	20.09.2026	23.09.2026	23.09.2026	25.09.2026	25.09.2026	28.09.2026	28.09.2026	30.09.2026	30.09.2026
4	Time	10.50 A.M	11.20 A.M	05.50 P.M	09.05 P.M	10.50 A.M	11.20 A.M	10.55 A.M	11.20 A.M	09.55 A.M	10.20 A.M	10.50 A.M	11.15 A.M
5	Chromium mg/kg	15.6	12.57	12.7	9.42	10.92	17.06	14.32	15.63	9.93	9.25	12.94	17.32
6	Lead mg/kg	BDL											
7	Zinc mg/kg	10.53	12.27	12.86	9.61	13.22	11.96	9.16	11.45	11.68	10.27	12.94	9.08
8	Copper mg/kg	6.29	5.18	7.34	8.09	4.53	5.27	6.04	7.63	4.96	5.37	3.03	6.25
9	Cadmium mg/kg	BDL											
10	Mercury mg/kg	BDL											
11	Antimony mg/kg	BDL											
12	Barium mg/kg	16.45	13.84	10.96	11.72	9.58	10.35	8.31	7.49	9.17	7.74	6.92	5.37
13	Cobalt mg/kg	BDL											
14	Manganese mg/kg	36.48	35.58	43.71	46.82	33.88	21.94	31.91	28.56	30.42	29.92	20.8	25.7
15	Strontium mg/kg	5.71	6.92	9.63	8.47	10.58	12.48	7.34	8.09	9.82	7.64	6.28	7.01

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

DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
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STATUS OF SEA WATER QUALITY ON THE OCCASION OF VINAYAGAR CHATURTHI FESTIVAL 2026 - KARAIKAL

S.No	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample- II
		Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (Imm. Pt.)	Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (Imm. Pt.)	Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (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	01.09.2026	01.09.2026	17.09.2026	17.09.2026	19.09.2026	19.09.2026
4	Time	08.40 A.M	09.00 A.M	4.00 AM	4.10 AM	12.00 Noon	12.15 PM
5	Temperature °C	28.0	28.0	30.0	30.0	29.5	30.0
6	pH	7.80	7.87	8.03	8.08	8.05	8.07
7	Conductivity mS/cm	49.9	50.3	51.9	52.1	52.2	52.2
8	Turbidity mg/l	1.8	2.0	7.6	8.8	7.3	5.7
9	DO mg/l	6.1	6.0	5.8	5.9	6.2	6.2
10	BOD mg/l	1.6	1.5	1.2	BDL (DL: 1.0)		
11	TSS mg/l	7.0	16.0	43.0	312.0	336.0	892.0
12	Chloride mg/l	22243.5	20883.6	20300.8	20398.0	19426.6	19718.0
13	Total Hardness mg/l	5804.0	5941.0	6137.2	6058.8	6171.5	6078.4
14	TDS mg/l	38774	38828	38353	38533	38559	38532
15	T. Alkalinity mg/l	150	152	158	163	160	163

Ref. Pt. - Reference point; Imm. Pt. - Immersion point
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STATUS OF SEA WATER QUALITY ON THE OCCASION OF VINAYAGAR CHATURTHI FESTIVAL 2026 - KARAIKAL

Sl. No.	Parameter	Pre Immersion		During Immersion		Post Immersion	
		Sample - I	Sample - II	Sample - I	Sample - II	Sample - I	Sample- II
		Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (Imm. Pt.)	Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (Imm. Pt.)	Kilinjalmedu (Ref. Pt.)	Kilinjalmedu (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	01.09.2026	01.09.2026	17.09.2026	17.09.2026	19.09.2026	19.09.2026
4	Time	08.40 A.M	09.00 A.M	04.00 A.M	04.10 A.M	12.00 P.M	12.15 P.M
5	Chromium mg/l	BDL (DL: 0.02)					
6	Lead mg/l	BDL (DL: 0.001)					
7	Zinc mg/l	BDL (DL: 0.05)					
8	Copper mg/l	BDL (DL: 0.02)					
9	Cadmium mg/l	BDL (DL: 0.001)					
10	Mercury mg/l	BDL (DL: 0.0005)					
11	Antimony mg/l	BDL (DL: 0.003)					
12	Barium mg/l	BDL (DL: 0.05)					
13	Cobalt mg/l	BDL (DL: 0.01)					
14	Manganese mg/l	BDL (DL: 0.02)					
15	Strontium mg/l	6.34	6.38	6.04	6.01	BDL (DL: 0.005)	

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