

ENVIRONMENT CONDITION REPORT FOR KARAIKAL PORT
MARINE WATER QUALITY

Sl.No	Parameter	CPCB standards	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
1	pH	6.5-9.0	8.11	7.73	6.96	6.51	6.74	6.82
2	Colour	No Noticeable Colour						
3	DO (mg/L)	3.0 mg/l or higher	8.9	7.3	7.6	7.7	7.4	7.4
4	BOD (mg/L)	5mg/l	2.6	32	2.9	2.9	3.5	3.9
5	Oil & Grease (mg/L)	10mg/l	<1	<1	<1	<1	<1	<1
6	Coliform (MPN/100ml)	500/100ml	80	70	60	60	110	50

AMBIENT AIR QUALITY

Sl.No	Parameter	CPCB standard	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
1	Particulate matter (PM 10) $\mu\text{g}/\text{m}^3$	100	68.5	52.5	65.7	67.1	56.7	43.77
2	SO ₂ $\mu\text{g}/\text{m}^3$	80	12.7	8.6	8.6	6.9	BDL	BDL
3	NO _x $\mu\text{g}/\text{m}^3$	80	11.8	11.2	13.8	9.8	7.8	6.9
4	CO mg/m^3	2	1.23	1.16	<1.15	1.37	1.2	1.2

NOISE LEVEL [dB (A)]

Sl. No.	Parameter	CPCB standard	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
1	Avr Noise Level	65 (Day)	59.04	58.39	61.15	54.01	55.88	54.63
2	Avr Noise Level	55(Night)	47.22	47.07	49.64	46.68	43.7	45