ENVIRONMENT CONDITION REPORT FOR KARAIKAL PORT Ref:ENV/F-015 Format No: 01 R0 - 15/08/12 Dated: 06.09.2016

MARINE WATER QUALITY

Sl.No	Parameter	CPCB standards	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16
1	pH	6.5-9.0	7.68	7.39	7.87	7.45	8.17	7.96	8.2	8.1	8.1	8.3	8.2	8.31	8.22	8.3	8.2
2	Colour	No Noticeable Colour															
3	DO (mg/L)	3.0 mg/l or higher	7.2	6.9	6.7	7	6.6	6.6	6.4	6.6	6.6	6.8	7	7	6.4	6.7	6.7
4	BOD (mg/L)	5mg/l	4	5	5	5	4.5	4	4	5	3	4	5	4	5	4.8	4
5	Oil & Grease (mg/L)	10mg/l	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
6	Coliform (MPN/100ml)	500/100ml	46	50	40	70	50	23	30	30	30	27	34	30	21	40	50

AMBIENT AIR QUALITY

Sl.No	Parameter	CPCB standard	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16
1	Particulate matter (PM 10) $\mu g/m^3$	100	19.6	72.4	68.1	73.7	46.5	36.9	51.8	54	53.6	57.3	43.3	50.4	45.6	42.2	45.5
2	SO_2 $\mu g/m^3$	80	23.5	6.4	7.3	8.7	9.3	5.5	5.9	8.9	7.6	7.9	10.5	9.2	8.1	8.1	12.5
3	NO_2 $\mu g/m^3$	80	43.2	9.5	8	10.7	7.8	5.4	5.3	11.1	9.8	11.2	14	12.5	12.3	10.2	15.4
4	CO mg/m^3	4	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

NOISE LEVEL [dB (A)]

Sl. No.	Parameter		Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16
1	Avr Noise Level (Day)		57.24	49.6	48.25	50.35	49.77	50.06	49.4	50.27	50.9	50.14	49.5	50.2	49.5	51.2	49.48
2	Avr Noise Level (Night)		49.12	42.23	41.56	42.15	43.61	43.66	43.3	47.13	47.95	43.18	41.6	45.3	40.8	41.7	41.01

BDL*: Below Detectable Limit