



Global Environmental Monitoring Stations/
Monitoring of Indian National Aquatic Resources

Core Water Quality Monitoring Parameters

S.No.	Parameters	Requirement for Waters of Class		
		A-Excellent	B-Desirable	C-Acceptable
(I)	pH	7.0 to 8.5	6.5 to 9.0	6.5 to 9.0
(II)	DO (% Saturation)	90-110	80-120	60-140
(III)	BOD, mg/l	Below 2	Below 3	Below 6
(IV)	EC, umhos/cm	<1000	<2250	<4000
(V)	(NO ₂ +NO ₃)-Nitrogen, mg/l	<5	<10	<15
(VI)	Suspended solid, mg/l	<25	<50	<100
(VII)	Fecal Coliform, MPN/100 ml	<20 per 100 ml	<200 per 100 ml	<2000 per 100 ml
(VIII)	Bio-assay (Zebra Fish)	No death in 5 days	No death in 3 days	No death in 2 days

Note :

- 1) Dissolved Oxygen (DO) not applicable for ground waters.
- 2) Dissolved oxygen in eutrophicated waters should include measurement for diurnal variation.
- 3) Suspended solid limit is applicable only during non-monsoon period.
- 4) Fecal coliform values should meet for 90% times.
- 5) Static Bio-Assay method may be adopted.

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