

INDIAN STANDARDS FOR DRINKING WATER

PARAMETER	DESIRABLE	REJECTION
Colour (Platinum-cobalt scale)	5	25
Odour	free	free
taste	agreeable	agreeable
Turbidity	1NTU	10NTU
pH	7-8.5	<7&>8.5
Total hardness	200mg/l	600mg/l
Chlorides	200mg/l	1000mg/l
Residual chlorine	0.2mg/l	1.0mg/l
Total dissolved solids	500mg/l	2000mg/l
Sulphates	200mg/l	400mg/l
Nitrates	45mg/l	45mg/l
Alkalinity	200mg/l	600mg/l
Fluorides	1.0mg/l	1.5mg/l
Cyanides	0.05mg/l	0.05mg/l
BOD	Nil	>Nil
Pesticides	Nil	>Nil
Phenolic compounds	0.001mg/l	0.002mg/l
Anionic detergents	0.2mg/l	1.00mg/l
Mineral oil	0.01mg/l	0.03mg/l
As	0.01mg/l	0.05mg/l
Pb	0.05mg/l	0.05mg/l
Cd	0.01mg/l	0.01mg/l
Cr ⁺⁶	0.05mg/l	0.05mg/l
Hg	0.001mg/l	0.001mg/l
Fe	0.10mg/l	1.00mg/l
Mg	30.0mg/l	150mg/l
Mn	0.05mg/l	0.05mg/l
Cu	0.05mg/l	1.5mg/l
MPN	0/100ml	1/100ml

The concentration of the Pollutants should not exceed the concentrations given above

INDIAN STANDARDS FOR DISCHARGE OF POLLUTANTS IN EFFLUENTS

- 1) Discharge into inland surface water.
- 2) Discharge into public sewer line
- 3) Discharge on land for irrigation
- 4) Discharge into ocean.

PARAMETER	1	2	3	4
Suspended solid	100mg/l	600mg/l	200mg/l	-
Dissolved solids	2100mg/l	-	2100mg/l	-
pH	5.5-9	5.5-9	5.5-9	5.5-9
Temperature	not>5 ⁰ Cthan the receiving water	-	-	Not>5 ⁰ C than the receiving water
Oil & greese	10mg/l	20mg/l	10mg/l	20mg/l
Free NH ₃	5.0	-	-	5.0
BOD _{5d,20⁰ C}	30	350	100	100
COD	250	-	-	250
Arsenic	0.20	0.20	0.20	0.20
Hg	0.01	0.01	-	0.01
Pb	0.01	1.0	-	2.0
Cd	2.0	1.0	-	2.0
Cr ⁺⁶	0.1	2.0	-	1.0
Total Cr	2.0	2.0	-	2.0
Cu	3.0	3.0	-	3.0
Zn	5.0	15	-	15
Ni	3.0	3.0	-	5.0
Cyanide	0.2	2.0	0.2	0.2
Chlorides	1000	1000	600	-
Fluorides	2.0	15	-	15
Phosphates	5.0	-	-	-
Sulphates	1000	1000	1000	-
Sulphides	2.0	-	-	5.0
Phenolic compounds	1.0	5.0	-	5.0

Units: mg/litre except for pH

The concentration of the Pollutants should not exceed the limits given above