

The treated effluent/wastewater shall confirm to the following standard before discharge into inland surface water, public sewers, land for irrigation or marine/ coastal areas:

Sr. No.	Parameter	Standards			
		Inland Surface Water	Public Sewers	Land for Irrigation	Marine/ Coastal Areas
1	Colour & Odour	Should be removed as far as practicable			
2	Suspended Solids mg/l, max.	100	600	200	10% above of influent
3	Particle size of suspended solids	Shall pass 850 micron IS Sieve	-	-	3 mm for floatable solids and 856 microns for settleable solids
4	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
5	Temperature	Shall not exceed 5 °C above the receiving water temperature.			
6	Oil & Grease, mg/l, max.	10	20	10	20
7	Total residual chlorine, mg/l, max.	1.0	-	-	1.0
8	Ammonical nitrogen (as N), mg/l, max.	50	50	-	50
9	Total Kjeldahl nitrogen (as N) mg/l, max.	100	-	-	100
10	Free ammonia (as NH ₃), mg/l, max.	5.0	-	-	5.0
11	BOD (3 days at 27 °C) mg/l, max.	30	350	100	100
12	COD mg/l, max.	250	-	-	250
13	Arsenic (as As)	0.2	0.2	0.2	0.2
14	Mercury (as Hg) mg/l, max.	0.01	0.01	-	0.01
15	Lead (as Pb) mg/l, max.	0.1	1.0	-	2.0
16	Cadmium (as Cd), mg/l, max.	2.0	1.0	-	2.0
17	Hexavalent chromium (as Cr ⁺⁶) mg/l, max.	0.1	2.0	-	1.0
18	Total Chromium (as Cr), mg/l, max.	2.0	2.0	-	2.0
19	Copper (as Cu), mg/l, max.	3.0	3.0	-	3.0

20	Zinc (as Zn), mg/l, max.	5.0	15	-	15
21	Selenium (as Se)	0.05	0.05	-	0.05
22	Nickel (as Ni), mg/l, max.	3.0	3.0	-	5.0
23	Cyanide (as CN), mg/l, max.	0.2	2.0	0.2	0.2
24	Fluoride (as F), mg/l, max.	2.0	15	-	15
25	Dissolved Phosphates (as P), mg/l, max.	5.0	-	-	-
26	Sulphide (as S), mg/l, max.	2.0	-	-	5.0
27	Phenolic Compounds (as C ₆ H ₅ OH)	1.0	5.0	-	5.0
28	Radioactive materials:				
	1. Alpha emitters micro curle mg/l, max.	10 ⁻⁷	10 ⁻⁷	10 ⁻⁸	10 ⁻⁷
	2. Beta emitters micro curle mg/l	10 ⁻⁶	10 ⁻⁶	10 ⁻⁷	10 ⁻⁶
29	Bioassay test	90% survival of fish after 96 hours in 100% effluent			
30	Manganese, mg/l	2	2	-	2
31	Iron (as Fe) mg/l	3	3	-	3
32	Vanadium (as V), mg/l	0.2	0.2	-	0.2
33	Nitrate Nitrogen, mg/l	10	-	-	20
<p>These standards shall be applicable for industries, operations or processes other than those industries, operations or process for which standards have been specified in schedule or the Environment (Protection) Rules, 1989.</p>					