Annexure 4

Indian Standards / specification of drinking water
(IS 10500 – 1991)

Sr. No.	Substance or characteristics	Requirement/desirable limit
1	Colour, Hazen units, max	25
2	Odour	Unobjectionable
3	Taste	Agreeable
4	Turbidity NTU, max	10
5	pH value	6.5 – 8.5
6	Total Hardness (as CaCO3), mg/l, max	300
7	Calcium (as Ca), mg/l, max	75
8	Magnesium (as Mg), mg/l, max	30
9	Copper (as Cu), mg/l, max	1.50
10	Iron (as Fe), mg/l, max	1.0
11	Manganese (as Mn), mg/l, max	0.3
12	Chlorides (as Cl), mg/l, max	1000
13	Sulphate (as SO_4)	150
14	Nitrate (as NO_3), mg/l, max	100
15	Fluoride (as F), mg/l, max	0.5 – 1.5
16	Phenolix (as C_6H_5OH), mg/l, max	0.001
17	Mercury (as Hg), mg/l, max	0.001
18	Cadmium (as Cd), mg/l, max	0.01
19	Selenium (as Se), mg/l, max	0.01
20	Arsenic (as As), mg/l, max	0.05
21	Cyanide (as CN), mg/l, max	0.05
22	Lead (as Pb), mg/l, max	0.05
23	Zinc (as Zn), mg/l, max	5.0
24	Anionic Detergents (as MBAS), mg/l, max	0.2
25	Chromium (as Cr^{6+})	0.05
26	Polynuclear Aromatic hydrocarbons (as PAH), mg/l, max	–
27	Mineral oil, mg/l, max	0.01
28	Residual free chlorine, mg/l, max	0.2
29	Pesticides	Absent
30	Radioactive a) Gross Alpha activity bq/l b) Gross Beta activity bq/l	 0.1 1.0