

ANNEXTURE



Annex I

Drinking water standards recommended by different agencies

Physico-chemical & bacteriological Parameters	Agencies							
	WHO		ICMR		MWH		BIS	
	A	B	A	B	A	B	A	B
pH	7-8.5	6.5-9.2	7-8.5	6.5-9.2	7-8.5	6.5-9.2		
E.C.	300		300					
Turbidity	5	25	5	25			5	10
T.Hardness	100	500	300	600	200	600	300	600
Calcium	75	200	75	200				
Magnesium	30	150	50	150	30	150		
DO	4 - 6		4 - 6					
TS	500	1500			500	1500		
TDS	400	500	500	1500	500	1500		
Alkalinity		200						
Chlorides	200	600	200	1000	200	1000	250	1000
Nitrates	45	45	20	50	45	45		
MPN/100ml	1		1		1		1	1

All values are in mg/lit except pH, Electrical conductivity (mhos/cm) and turbidity(NTU)

Heavy Metals (mg/lit)	Agencies					
	WHO		ICMR		MWH	
	A	B	A	B	A	B
Copper (Cu)	0.05	1.5	0.05	1.5	1.0	3.0
Zinc (Zn)	5.0	15.0	5.0	15.0	5.0	15.0
Molybdenum (Mo)		0.07				
Iron (Fe)	0.1	0.1	0.3	1.0	0.3	1.0
Cadmium (Cd)		0.01	0.01	NR		
Nickel (Ni)		0.02	NG			
Manganese(Mn)	0.05	0.5	0.1	0.5	0.1	0.5
Cobalt (Co)	0.05					
Lead (Pb)		0.1	0.1	NR		

A= Highest desirable limit.

B = Maximum permissible limit.

NG = No Guideline value set

NR = No Relaxation

WHO = World Health Organization, ICMR = Indian Council of Medical Research

BIS = Bureau of Indian Standards, MWH = Ministry of Work and Housing