

PART VIII
Appendix P

Recommended Water Quality for Domestic Purposes

Table 8.P.1: Water Quality Standards

Water Quality Parameters	Unit	WHO Guideline Values (2004)	Environmental Conservation Rules (ECR, 1997)
1. pH	Value	6.5 - 8.5	6.5 - 8.5
2. Turbidity	NTU	5	10
3. Color	TCU	15	15
4. Odor	TON	--	Odorless
5. Hardness (as CaCO ₃)	mg/l	500	200-500
6. Iron (Fe)	mg/l	0.3	0.3-1.0
7. Manganese, Mn	mg/l	0.4*	0.1
8. Sodium, Na	mg/l	200	200
9. Calcium, Ca	mg/l	--	75
10. Magnesium, Mg	mg/l	--	30-35
11. Potassium, K	mg/l	--	12
12. Chloride, Cl	mg/l	250	150-600
13. Nitrate, NO ₃	mg/l	50	10
14. Ammonia-Nitrogen, NH ₃ -N	mg/l	1.5	0.5
15. Sulfate, SO ₄	mg/l	250	400
16. Phosphate, PO ₄	mg/l	--	6
17. Fluoride, F	mg/l	0.6 -1.5	1
18. Mercury, Hg	mg/l	0.001	0.001
19. Arsenic, As	mg/l	0.01	0.05
20. Lead, Pb	mg/l	0.01	0.05
21. Chromium, Cr	mg/l	0.05	0.05
22. Cadmium, Cd	mg/l	0.003	0.005
23. Boron, B	mg/l	0.5	1.0
24. Aluminum, Al	mg/l	0.2	0.2
25. Nickel, Ni	mg/l	0.02	0.1
26. Copper, Cu	mg/l	2.0	1.0
27. Total Dissolved Solids, TDS	mg/l	1000	1000
28. Total Suspended Solids, SS	mg/l	--	10
29. Total Coliform, TC	CFU	0	0
30. Faecal Coliform, FC	CFU	0	0

* Health Risk Guideline Value

PART VIII
Appendix Q

Application for Permit to Construct Drainage and Sanitation System

1. Occupancy Classification: _____
2. Number of Storeys: _____
3. Location: _____
4. This application is accompanied by all required plans, drawings (showing details of materials, sizes, gradient and location of pipes and fixtures) and other details as specified in Sections 6.4.2, 6.4.3, 6.4.4 and 7.5.2 of Part 8 of the Bangladesh National Building Code.

Signature of the Plumber

Signature of the Owner or his/
her appointed person

Name and Address _____

Name and Address _____

