

MONTHLY WATER QUALITY PARAMETER REPORT  
JANUARY 21, 2019

S/N	WATER QUALITY PARAMETER	UNIT	CONCENTRATION		BANGLADESH STANDARD FOR DRINKING WATER (ECR, 1997)	REMARKS
			CIVIL FILTER	CAFÉ FILTER		
1	pH		6.52	6.61	6.5-8.5	OK
2	Color	Pt-Co	0	0	≤ 15	OK
3	Turbidity	JTU	0.0	0.35	≤10	OK
4	Alkalinity (as CaCO <sub>3</sub> )	mg/L	153	25	---	---
5	Iron	mg/L	0.06	0.02	≤ 0.3-1.0	OK
6	Electrical Conductivity (EC)	μS/cm	438	44.4	---	---
7	Dissolve Oxygen (DO)	mg/L	7.12	6.33	6	OK
8	Total Hardness (as CaCO <sub>3</sub> )	mg/L	164	80	≤ 200-500	OK
9	Chloride (Cl <sup>-</sup> )	mg/L	248	46	≤ 150-600	OK
10	Chemical Oxygen Demand (COD)	mg/L	0	0	≤ 4	OK
11	Total Dissolved Solids	mg/L	225	21.4	≤ 1000	OK
12	Suspended Solids	mg/L	0.0	0.0	≤ 10	OK
13	Ammonia Nitrogen (NH <sub>3</sub> -N)	mg/L	0.02	0.03	≤ 0.5	OK
14	Nitrite Nitrogen (NO <sub>2</sub> -N)	mg/L	0.005	0.006	≤ 1.0	OK
15	Nitrate Nitrogen (NO <sub>3</sub> -N)	mg/L	0.8	0.4	≤ 10	OK
16	Sulfate (SO <sub>4</sub> <sup>2-</sup> )	mg/L	13	9	≤ 400	OK
17	Phosphate (PO <sub>4</sub> )	mg/L	0.2	0.2	≤ 6	OK
18	Free Chlorine	mg/L	0.01	0.01	≤ 0.2	OK
19	Temperature	°C	22.3	22.4	≤ 20-30	OK
20	Fecal Coliform (E. Coli)	CFU/100 mL	0.0	0.0	0	OK

**Prepared by:**

Dr. Tanveer Ferdous Saeed

Associate Professor and Lab-in-charge

Environmental Engineering Lab, Department of Civil Engineering