



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 19-02-2024

Test No: 1686

Weather: Sunny

Sl No.	Water Quality Parameters	Units	Frequency	BDS for Drinking Water (ECR-1997)	Instrument / Method	River Water	IPR Water	Raw water	Post-sedimentation / Pre-filters Water	Post-filters / Pre-Treated Water	Post-Treated Water
						Sampling Time: 10:18 AM	Sampling Time: 10:30 AM	Sampling Time: 10:55 AM	Sampling Time: 11:28 AM	Sampling Time: 10:40 AM	Sampling Time: 11:50 AM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			25.9	25	25.6	25.2
2	pH		day	6.5-8.5				8.18	8.09	7.95	7.78
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	47.3	15.4	15	1.18	0.38	0.3
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			60	8	0	0
5	Suspended Solid	mg/L	day	...				34	15	15	1
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable
7	Total Aluminium	mg/L	Once a week	0.2	Eriochrome Cyanine R Method1						0.087
8	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.05
9	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.38
10	Chloride	ppm	day	150-600	Mercuric Nitrate Titration						40
11	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	220.8	192.9				195.5
Remark:											