



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 29-01-2024

Test No: 1665

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: 11:20 AM	Sampling Time: 09:45 AM	Sampling Time: 10:20 AM	Sampling Time: 11:15 AM	Sampling Time: 11:32 AM	Sampling Time: 11:45 AM		
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			20.5	20.9	21	21.3		
2	pH		day	6.5-8.5				8.12	8.02	7.95	7.87		
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	60.5	15.7	15.3	1.79	0.42	0.05		
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			98	14	3	1		
5	Suspended Solid	mg/L	day	...				48	13	13	1	0	0
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 Method I						0.011		
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 Method I						0.29		
10	Chloride	ppm	day	150-600	Mercuric Nitrate Titration						30	30	40
11	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322						176.7	177.7	181.7
Remark:													