



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 13-01-2024

Test No: 1649

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: 11:05 AM	Sampling Time: 12:05 PM	Sampling Time: 12:12 PM	Sampling Time: 01:00 PM	Sampling Time: 01:10 PM	Sampling Time: 01:17 PM		
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			21.3	22.4	21.6	21.8		
2	pH		day	6.5-8.5				8.1	7.88	7.72	7.61		
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	41.2	14.8	14.7	1.71	0.57	0.16		
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			79	19	7	4		
5	Suspended Solid	mg/L	day	...				39	10	10	0	0	0
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable		
7	Oxygen -Dissolved	mg/L	Once a week	6	OHAUS ST-300D/ Electrometric						4.71		
8	Nitrogen-Nitrate	mg/L	Once a week	10	Cadmium Reduction Method						0.8		
9	Nitrogen-Nitrite	mg/L	Once a week	<1	USEPA Diazotization Method1						0.007		
10	Chloride	ppm	day	150-600	Mercuric Nitrate Titration						30	30	40
11	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322						176.1	178.2	182.7
<b>Remark:</b>													