



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 01-01-2024

Test No: 1637

Weather: Cloudy

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: 10:05 AM	Sampling Time: 10:25 AM	Sampling Time: 10:35 AM	Sampling Time: 11:05 AM	Sampling Time: 11:13 AM	Sampling Time: 11:20 AM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			21.8	22.8	22.6	22.3
2	pH		day	6.5-8.5				8.1	7.91	7.81	7.72
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	255	14.7	14.2	1.55	0.43	0.15
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			74	19	10	6
5	Suspended Solid	mg/L	day	...				291	12	12	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						0.01
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						30
11	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	195.7	184.5				187.3
<b>Remark:</b>											