



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 23-10-2023

Test No: 1567

Weather: Cloudy

Sl No	Test Item	Unit	Frequency	Detection limit (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: 11:00 AM	Sampling Time: 11:10 AM	Sampling Time: 11:30 AM	Sampling Time: 12:18 PM	Sampling Time: 12:30 PM	Sampling Time: 12:40 PM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			30.2	29.5	28.5	29.2
2	pH		day	6.5-8.5				8.1	8.07	8	7.95
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	412	17.5	17	1.96	0.21	0.13
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			87	16	14	11
5	Suspended Solid	mg/L	day	...				358	12	12	2
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						0.084
8	Total Iron	mg/L	Once a week	0.3	USEPA 1 FerroVer Method						0.04
9	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.27
10	Chloride	ppm	day	150-600	Mercuric Nitrate Titration						30
11	Total Dissolved Solids	ppm	Once a week	1000	Orion Star™ A222 & A322	120.4	121.6				123.2
Remark:											