



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 18-03-2024

Test No: 1714

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: 10:16 AM	Sampling Time: 10:30 AM	Sampling Time: 11:11 AM	Sampling Time: 11:40 AM	Sampling Time: 11:52 AM	Sampling Time: 12:00 PM
1	Temperature	°C	day	20-30	OHAUS-ST300/ Electrometric			26.5	26	25.9	25.8
	pH		day	6.5-8.5				8.09	7.95	7.88	7.75
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	45.2	16.5	14.7	1.47	0.74	0.27
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			102	21	14	13
5	Suspended Solid	mg/L	day	...				44	16	16	2
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	No Objectionable	No Objectionable	No Objectionable
7	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.01
8	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method I						0.28
9	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	170	80				80
10	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	419.4	283.3				269.7

Remark: