



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 17-04-2023

Test No: 1378

Weather: Mostly Sunny

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: 07:55 AM	Sampling Time: 08:05 AM	Sampling Time: 09:40 AM	Sampling Time: 10:10 AM	Sampling Time: 10:25 AM	Sampling Time: 10:36 AM
1	Temperature	°C	day	20-30	Portable analyser-ST300			29	28.9	28.8	30
2	pH		day	6.5-8.5				7.99	7.93	7.78	7.77
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	42.9	12.41	12.33	1.67	0.94	0.29
4	Color	pt-co	day	15	Portable analyser-AQ3700			67	17	6	3
5	Suspended Solid	mg/L	day	...				40	9	9	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 Method1			0.094			
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN			0.018			
9	Total Iron	mg/L	Once a week	0.3	USEPA 1 FerroVer Method			0.03			
10	Total residual chlorine	mg/L	Twice a week	0.2	USEPA DPD Method1			0.24			
11	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	260	240				240

Remark: