



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 29-05-2023

Test No: 1420

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: 08:30 AM	Sampling Time: 09:40 AM	Sampling Time: 10: 45 AM	Sampling Time: 10:55 AM	Sampling Time: 11:00 AM	Sampling Time: 11:45 AM	
1	Temperature	°C	day	20-30	Portable analyser-ST300			28.7	28.8	28.5	28.7	
2	pH		day	6.5-8.5				8.03	7.69	7.75	7.79	
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	58.2	11.9	11.7	1.6	0.32	0.25	
4	Color	pt-co	day	15	Portable analyser-AQ3700			78	16	0	0	
5	Suspended Solid	mg/L	day	...				55	11	11	1	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							
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN	0.022						
9	Total Iron	mg/L	Once a week	0.3	USEPA 1 FerroVer Method	0.08						
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	90	620					620
<b>Remark:</b>												