



# 110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 25-11-2024

Test No: 1965

Weather: Sunny

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: 09:20 AM	Sampling Time: 10:00 AM	Sampling Time: 10:30 AM	Sampling Time: 11:07 AM	Sampling Time: 11:19 AM	Sampling Time: 11:30 AM
1	Temperature	°C	day	20-30	HI-98107/ Electrometric			25.2	25	24.9	25.1
2	pH		day	6.5-8.5				8	7.8	7.8	7.8
3	Turbidity	NTU	day	<1 NTU	WTW PhotoFlex Turb	93	16	15.5	1.88	0.48	0.26
4	Color	pt-co	day	15	Orion AQ3700/ Photometric			58	26	13	13
5	Suspended Solid	mg/L	day	...				82	16	15	1
6	Taste and Odour		day	Odorless	Manual			Dirty Smell	Dirty Smell	No Objectionable	No Objectionable
7	Total Aluminium	mg/L	Once a week	0.2	Eriochrome Cyanine R Method1						0.012
8	Total Manganese	mg/L	Once a week	0.1	1-(2-Pyridylazo)-2-Naphthol PAN						0.003
9	Total Iron	mg/L	Once a week	0.3-1.0	USEPA 1 FerroVer Method						0.01
10	Total residual chlorine	mg/L	Twice a week	0.2-0.4	USEPA DPD Method1						0.2
11	Chloride	ppm	day	150-600	Mercuric Nitrate Titration	30	30				30
12	Total Dissolved Solids	ppm	day	1000	Orion Star™ A222 & A322	176.2	148.5				148.7

Remark: