



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 21-11-2023

Test No: 1596

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: 10:35 AM | Sampling Time: 10:50 AM | Sampling Time: 11:00 AM | Sampling Time: 11:35 AM | Sampling Time: 11:50 AM | Sampling Time: 12:00 PM |
| 1 | Temperature | °C | day | 20-30 | OHAUS-ST300/ Electrometric | | | 28.2 | 27.2 | 27.5 | 27.9 |
| 2 | pH | | day | 6.5-8.5 | | | | 8.09 | 8 | 7.95 | 7.78 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 98 | 12.3 | 12.2 | 1.49 | 0.45 | 0.16 |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 95 | 22 | 14 | 14 |
| 5 | Suspended Solid | mg/L | day | ... | | | | 95 | 13 | 13 | 1 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable |
| 7 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | | | 30 | 30 | | |
| 8 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 145 | 137.7 | | | | |
| Remark: | | | | | | | | | | | |