



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 28-01-2024

Test No: 1664

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: 09:22 AM | Sampling Time: 09:45 AM | Sampling Time: 10:30 AM | Sampling Time: 11:01 AM | Sampling Time: 11:22 AM | Sampling Time: 11:30 AM |
| 1 | Temperature | °C | day | 20-30 | OHAUS-ST300/ Electrometric | | | 20.9 | 21 | 21.5 | 21.3 |
| 2 | pH | | day | 6.5-8.5 | | | | 8.05 | 7.95 | 7.75 | 7.66 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 41.9 | 15.7 | 15.1 | 1.7 | 0.39 | 0.39 |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 69 | 15 | 1 | 0 |
| 5 | Suspended Solid | mg/L | day | ... | | | | 35 | 8 | 8 | 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 | | | | 40 |
| 8 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 177.5 | 179.1 | | | | 181.6 |
| Remark: | | | | | | | | | | | |