



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 28-06-2024

Test No: 1815

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: 10:20 AM | Sampling Time: 10:30 AM | Sampling Time: 10:42 AM | Sampling Time: 11:08 AM | Sampling Time: 11:20 AM | Sampling Time: 11:30 AM | |
| 1 | Temperature | °C | day | 20-30 | HI-98107/ Electrometric | | | 26.9 | 27.1 | 27.1 | 28 | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.3 | 7.7 | 7.8 | 7.8 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 150 | 38.8 | 36.4 | 1.92 | 0.45 | 0.2 | |
| 4 | Color | pt-co | day | 15 | Orion AQ3700/ Photometric | | | 193 | 27 | 1 | 0 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 141 | 32 | 32 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable | |
| 7 | Fluoride | mg/L | Once a week | 1 | USEPA SPADNS Method1 | | | | | | | 0.03 |
| 8 | Sulfate | mg/L | Once a week | 400 | USEPA1 SulfaVer 4 Method2 | 30 | | | | | | |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 40 | 160 | | | | | 160 |
| 10 | Total Dissolved Solids | ppm | day | 1000 | Orion Star™ A222 & A322 | 98 | 269.4 | | | | | 299.7 |
| Remark: | | | | | | | | | | | | |