



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 21-09-2023

Test No: 1535

Weather: Cloudy

| SI 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: 08:50 AM | Sampling Time: 09:00 AM | Sampling Time: 09:07 AM | Sampling Time: 09:48 AM | Sampling Time: 09:55 AM | Sampling Time: 10:02 AM | | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 29.1 | 29.3 | 29.4 | 29.8 | | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.21 | 8.09 | 7.92 | 7.87 | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 126 | 48.1 | 47.9 | 1.76 | 0.39 | 0.14 | | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 256 | 26 | 12 | 4 | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 145 | 42 | 41 | 2 | 0 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable | | |
| 7 | Total Dissolved Solids | ppm | Once a week | 1000 | Portable analyser-A222 & A322 | | | | | | | | 125.2 |
| 8 | Salinity | PSU | Once a week | ... | | | | | | | | | 0.174 |
| 9 | Conductivity | µS/cm | Once a week | ... | | | | | | | | | 254.4 |
| 10 | Resistivity | Ω-cm | Once a week | ... | | | | | | | | | 3930 |
| 11 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 30 | 30 | | | | | 40 | |
| Remark: | | | | | | | | | | | | | |