



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 14-04-2022

Test No: 1010

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: 8:45 AM | Sampling Time: 9:00 AM | Sampling Time: 9:30 AM | Sampling Time: 10:50 AM | Sampling Time: 11:00 AM | Sampling Time: 11:10 AM | | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 29.9 | 29.7 | 29.5 | 29.6 | | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.3 | 7.17 | 7.34 | 7.39 | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 71.2 | 9.87 | 9.83 | 1.37 | 0.55 | 0.14 | | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 26 | 0 | 0 | 0 | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 37 | 3 | 3 | 0 | 0 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | | |
| 7 | Total Dissolved Solids | ppm | Once a week | 1000 | Portable analyser-A222 & A322 | | | | | | | | 245.2 |
| 8 | Salinity | PSU | Once a week | ... | | | | | | | | | 0.292 |
| 9 | Conductivity | µS/cm | Once a week | ... | | | | | | | | | 499.4 |
| 10 | Resistivity | Ω-cm | Once a week | ... | | | | | | | | | 2003 |
| 11 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 50 | 40 | | | | | 40 | |

Remark: