



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 25-11-2021

Test No: 870

Weather: Sunny

| Sl 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: 9:05 AM | Sampling Time: 10:20 AM | Sampling Time: 10:30 AM | Sampling Time: 11:25 AM | Sampling Time: 11:40 AM | Sampling Time: 11:50 AM | | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 26.5 | 26.5 | 26.1 | 27 | | |
| 2 | PH | | day | 6.5-8.5 | | | | 7.22 | 7.01 | 7.01 | 7.08 | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 64.4 | 9.35 | 9.3 | 0.73 | 0.25 | 0.26 | | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 52 | 9 | 0 | 0 | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 54 | 6 | 6 | 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 | | | | | | | | 167.8 |
| 8 | Salinity | PSU | Once a week | ... | | | | | | | | | 0.215 |
| 9 | Conductivity | µS/cm | Once a week | ... | | | | | | | | | 341.5 |
| 10 | Resistivity | Ω-cm | Once a week | ... | | | | | | | | | 2928 |
| 11 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 40 | 40 | | | | | 40 | |

Remark: