



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 27-08-2022

Test No: 1145

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: 9:40 AM | Sampling Time: 9:50 AM | Sampling Time: 10:00 AM | Sampling Time: 10:50 AM | Sampling Time: 11:00 AM | Sampling Time: 11:06 AM | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 28.7 | 28 | 27.9 | 28.2 | |
| 2 | pH | | day | 6.5-8.5 | | | | 9.27 | 8.7 | 8.41 | 8.13 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 109 | 33.8 | 33.8 | 4.5 | 0.38 | 0.23 | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 158 | 38 | 0 | 0 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 101 | 28 | 28 | 2 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | |
| 7 | Nitrogen-Nitrate | mg/L | Once a week | 10 | Cadmium Reduction Method | | | | | | | 0.5 |
| 8 | Nitrogen-Nitrite | mg/L | Once a week | <1 | USEPA Diazotization Method1 | | | | | | | |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 20 | 20 | | | 20 | | |
| Remark: | | | | | | | | | | | | |