



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 04-10-2022

Test No: 1183

Weather: Partly 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: 11:46 AM | Sampling Time: 9:30 AM | Sampling Time: 11:30 AM | Sampling Time: 12:15 PM | Sampling Time: 12:31 PM | Sampling Time: 12:40 PM |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 29.7 | 29.6 | 29.4 | 29 |
| 2 | pH | | day | 6.5-8.5 | | | | 7.19 | 7.06 | 7.08 | 7.11 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 242 | 58 | 58 | 3.57 | 0.33 | 0.42 |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 371 | 9 | 0 | 0 |
| 5 | Suspended Solid | mg/L | day | ... | | | | 246 | 52 | 52 | 2 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable |
| 7 | Silica | mg/L | Once a week | ... | Heteropoly Blue Method1 | | | | | | |
| 8 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 20 | 20 | | | | |
| Remark: | | | | | | | | | | | |