



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 30-10-2021

Test No: 844

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: 11:00 AM | Sampling Time: 10:30 AM | Sampling Time: 10:45 AM | Sampling Time: 11:32 AM | Sampling Time: 11:45 AM | Sampling Time: 11:52 AM | | | | | | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 30.7 | 30.5 | 30.3 | 30.4 | | | | | | |
| 2 | PH | | day | 6.5-8.5 | | | | 8.04 | 7.9 | 7.7 | 7.55 | | | | | | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 153 | 7.31 | 7.02 | 0.78 | 0.32 | 0.15 | | | | | | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 43 | 2 | 0 | 0 | | | | | | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 137 | 5 | 5 | 0 | 0 | 0 | | | | |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | | | | | | |
| 7 | Oxygen -Dissolved | mg/L | Once a week | 6 | Portable analyser-ST300D | | | | | | | | | | | | |
| 8 | Nitrogen-Nitrate | mg/L | Once a week | 10 | DR3900 | | | | | | | | | | | | |
| 9 | Nitrogen-Nitrite | mg/L | Once a week | <1 | | | | | | | | | | | | | |
| 10 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 40 | 40 | | | | | | | | | | |
| Remark: | | | | | | | | | | | | | | | | | |