



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 06-02-2022

Test No: 943

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: 11:55 AM | Sampling Time: 10:17 AM | Sampling Time: 10:35 AM | Sampling Time: 11:30 AM | Sampling Time: 11:48 AM | Sampling Time: 11:50 AM |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 21.6 | 21.2 | 21.4 | 22 |
| 2 | pH | | day | 6.5-8.5 | | | | 8.03 | 7.7 | 7.77 | 7.83 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 77.3 | 6.67 | 6.67 | 0.82 | 0.27 | 0.18 |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 34 | 2 | 0 | 0 |
| 5 | Suspended Solid | mg/L | day | ... | | | | 46 | 3 | 3 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable |
| 7 | Alkalinity | mg/L | Once a week | ... | EDTA Titration | | | | | | |
| 8 | Hardness | mg/L | Once a week | 200-500 | EDTA Titration | | | | | | |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 40 | 40 | | | | |
| Remark: | | | | | | | | | | | |