



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 18-04-2023

Test No: 1379

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: 09:12 AM | Sampling Time: 9:25 AM | Sampling Time: 10:05 AM | Sampling Time: 10:40 AM | Sampling Time: 10:50 AM | Sampling Time: 11:00 AM | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 29.1 | 28.8 | 28.9 | 29 | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.1 | 8.03 | 7.97 | 7.96 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 74.8 | 11.8 | 11.8 | 1.98 | 0.65 | 0.26 | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 92 | 25 | 13 | 8 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 67 | 13 | 13 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | |
| 7 | Total coliforms | CFU/1 ml | Once a week | 0 | MC-Media Pad® | | | | | | | 0 |
| 8 | E. Coliforms | CFU/1 ml | Once a week | 0 | | | | | | | | 0 |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 240 | 240 | | | | | |
| Remark: | | | | | | | | | | | | |