



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 28-04-2023

Test No: 1389

Weather: Cloudy

| 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: 9:00 AM | Sampling Time: 9:20 AM | Sampling Time: 9:40 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 | | | 27.3 | 27 | 26.9 | 26.4 | |
| 2 | pH | | day | 6.5-8.5 | | | | 8.17 | 8.05 | 7.99 | 7.99 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 59.7 | 12.9 | 12.6 | 1.32 | 0.36 | 0.23 | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 87 | 9 | 4 | 1 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 58 | 12 | 12 | 1 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable | |
| 7 | Total residual chlorine | mg/L | Twice a week | 0.2 | USEPA DPD Method1 | | | | | | | 0.19 |
| 8 | Sulfate | mg/L | Once a week | 400 | USEPA1 SulfaVer 4 Method2 | | | | | | | |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 390 | 390 | | | | | |
| Remark: | | | | | | | | | | | | |