



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 22-11-2022

Test No: 1232

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: 9:10 AM | Sampling Time: 9:18 AM | Sampling Time: 10:00 AM | Sampling Time: 11:20 AM | Sampling Time: 11:30 AM | Sampling Time: 11:40 AM | |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 26 | 26.1 | 25.8 | 26 | |
| 2 | pH | | day | 6.5-8.5 | | | | 7.8 | 7.53 | 7.52 | 7.44 | |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 43.8 | 12.9 | 12.2 | 3.65 | 0.99 | 0.33 | |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 67 | 18 | 3 | 1 | |
| 5 | Suspended Solid | mg/L | day | ... | | | | 36 | 8 | 8 | 3 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | Dirty Smell | No Objectionable | No Objectionable | |
| 7 | Nitrogen-Ammoniacal | mg/L | Once a week | 0.5 | Salicylate Method | | | | | | | 0.098 |
| 8 | Silica | mg/L | Once a week | ... | Heteropoly Blue Method1 | | | | | | | 65 |
| 9 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 20 | 20 | | | 20 | | |
| Remark: | | | | | | | | | | | | |