



Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

Daily Water Quality Report of Laboratory

Date of Testing: 27-09-2021

Test No: 811

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: 11:55 AM | Sampling Time: 10:20 AM | Sampling Time: 10:25 AM | Sampling Time: 11:18 AM | Sampling Time: 11:30 AM | Sampling Time: 11:40 AM |
| 1 | Temperature | °C | day | 20-30 | Portable analyser-ST300 | | | 29.4 | 29.3 | 29.2 | 29 |
| 2 | PH | | day | 6.5-8.5 | | | | 8.19 | 7.93 | 7.87 | 7.76 |
| 3 | Turbidity | NTU | day | <1 NTU | WTW PhotoFlex Turb | 106 | 17.3 | 17.1 | 0.51 | 0.19 | 0.07 |
| 4 | Color | pt-co | day | 15 | Portable analyser-AQ3700 | | | 77 | 0 | 0 | 0 |
| 5 | Suspended Solid | mg/L | day | | | | | 81 | 12 | 11 | 0 |
| 6 | Taste and Odour | | day | Odorless | Manual | | | Dirty Smell | No Objectionable | No Objectionable | No Objectionable |
| 7 | Total Aluminium | mg/L | Once a week | <0.2 | DR3900 | | | | | | |
| 8 | Total Manganese | mg/L | Once a week | <0.1 | | 0.002 | | | | | |
| 9 | Total Iron | mg/L | Once a week | <0.3 | | 0.04 | | | | | |
| 10 | Total residual chlorine | mg/L | Twice a week | 0.2 | | 0.25 | | | | | |
| 11 | Chloride | ppm | day | 150-600 | Mercuric Nitrate Titration | 40 | 40 | | | | 40 |
| Remark: | | | | | | | | | | | |