



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 16-12-2021

Test No: 891

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: 9:00 AM | Sampling Time: 9:30 AM | Sampling Time: 9:45 AM | Sampling Time: 10:12 AM                | Sampling Time: 10:20 AM          | Sampling Time: 10:30 AM |    |       |
| 1     | Temperature            | °C    | day         | 20-30                      | Portable analyser-ST300       |                        |                        | 23.7                   | 23.7                                   | 23.5                             | 24.1                    |    |       |
| 2     | PH                     |       | day         | 6.5-8.5                    |                               |                        |                        | 7.52                   | 7.14                                   | 7.46                             | 7.42                    |    |       |
| 3     | Turbidity              | NTU   | day         | <1 NTU                     | WTW PhotoFlex Turb            | 56                     | 6.58                   | 6.55                   | 1.06                                   | 0.15                             | 0.12                    |    |       |
| 4     | Color                  | pt-co | day         | 15                         | Portable analyser-AQ3700      |                        |                        | 42                     | 15                                     | 0                                | 0                       |    |       |
| 5     | Suspended Solid        | mg/L  | day         | ...                        |                               |                        |                        | 48                     | 4                                      | 4                                | 0                       | 0  | 0     |
| 6     | Taste and Odour        |       | day         | Odorless                   | Manual                        |                        |                        | Dirty Smell            | No Objectionable                       | No Objectionable                 | No Objectionable        |    |       |
| 7     | Total Dissolved Solids | ppm   | Once a week | 1000                       | Portable analyser-A222 & A322 |                        |                        |                        |  |                                  |                         |    | 188.9 |
| 8     | Salinity               | PSU   | Once a week | ...                        |                               |                        |                        |                        |  |                                  |                         |    | 0.235 |
| 9     | Conductivity           | µS/cm | Once a week | ...                        |                               |                        |                        |                        |  |                                  |                         |    | 384.4 |
| 10    | Resistivity            | Ω-cm  | Once a week | ...                        |                               |                        |                        |                        |  |                                  |                         |    | 2602  |
| 11    | Chloride               | ppm   | day         | 150-600                    | Mercuric Nitrate Titration    | 40                     | 40                     |                        |  |                                  |                         | 40 |       |

Remark: