



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 09-10-2022

Test No: 1188

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: 9:48 AM | Sampling Time: 10:00 AM | Sampling Time: 10:10 AM | Sampling Time: 10:48 AM                | Sampling Time: 11:12 AM          | Sampling Time: 11:30 AM |
| 1     | Temperature     | °C    | day         | 20-30                      | Portable analyser-ST300    |                        |                         | 30                      | 29.2                                   | 29                               | 28.9                    |
| 2     | pH              |       | day         | 6.5-8.5                    |                            |                        |                         | 7.52                    | 7.12                                   | 7.08                             | 7                       |
| 3     | Turbidity       | NTU   | day         | <1 NTU                     | WTW PhotoFlex Turb         | 298                    | 55.8                    | 55.6                    | 5.71                                   | 0.17                             | 0.13                    |
| 4     | Color           | pt-co | day         | 15                         | Portable analyser-AQ3700   |                        |                         | 161                     | 32                                     | 0                                | 0                       |
| 5     | Suspended Solid | mg/L  | day         | ...                        |                            |                        |                         | 310                     | 51                                     | 51                               | 5                       |
| 6     | Taste and Odour |       | day         | Odorless                   | Manual                     |                        |                         | Dirty Smell             | Dirty Smell                            | No Objectionable                 | No Objectionable        |
| 7     | Hardness        | mg/L  | Once a week | 200-500                    | Portable analyser-AQ3700   |                        |                         |                         |  |                                  |                         |
| 8     | Chloride        | ppm   | day         | 150-600                    | Mercuric Nitrate Titration | 20                     | 20                      |                         |  |                                  |                         |

Remark: