



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 04-06-2023

Test No: 1426

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: 8:00 AM | Sampling Time: 8:10 AM | Sampling Time: 8:20 AM | Sampling Time: 10:55 AM                | Sampling Time: 11:10 AM          | Sampling Time: 11:20 AM |
| 1              | Temperature     | °C    | day         | 20-30                      | Portable analyser-ST300    |                        |                        | 27.2                   | 26.9                                   | 26.8                             | 26.5                    |
| 2              | pH              |       | day         | 6.5-8.5                    |                            |                        |                        | 8.28                   | 7.74                                   | 7.73                             | 7.71                    |
| 3              | Turbidity       | NTU   | day         | <1 NTU                     | WTW PhotoFlex Turb         | 46.9                   | 12.63                  | 12.53                  | 1.83                                   | 0.73                             | 0.42                    |
| 4              | Color           | pt-co | day         | 15                         | Portable analyser-AQ3700   |                        |                        | 83                     | 28                                     | 5                                | 3                       |
| 5              | Suspended Solid | mg/L  | day         | ...                        |                            |                        |                        | 46                     | 12                                     | 12                               | 2                       |
| 6              | Taste and Odour |       | day         | Odorless                   | Manual                     |                        |                        | Dirty Smell            | Dirty Smell                            | No Objectionable                 | No Objectionable        |
| 7              | Alkalinity      | mg/L  | Once a week | ...                        | EDTA Titration             |                        |                        |                        |  |                                  |                         |
| 8              | Hardness        | mg/L  | Once a week | 200-500                    | Portable analyser-AQ3700   |                        |                        |                        |  |                                  |                         |
| 9              | Chloride        | ppm   | day         | 150-600                    | Mercuric Nitrate Titration |                        |                        | 340                    | 550                                    |                                  |                         |
| <b>Remark:</b> |                 |       |             |                            |                            |                        |                        |                        |  |                                  |                         |