



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 10-05-2024

Test No: 1767

Weather: Partly 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: 10:10 AM | Sampling Time: 08:45 AM | Sampling Time: 08:55 AM | Sampling Time: 09:42 AM                | Sampling Time: 09:52 AM          | Sampling Time: 10:02 AM |
| 1       | Temperature            | °C    | day         | 20-30                      | OHAUS-ST300/<br>Electrometric |                         |                         | 27.7                    | 27.4                                   | 27.8                             | 27.9                    |
| 2       | pH                     |       | day         | 6.5-8.5                    |                               |                         |                         | 8.2                     | 8.07                                   | 7.92                             | 7.83                    |
| 3       | Turbidity              | NTU   | day         | <1 NTU                     | WTW PhotoFlex Turb            | 100                     | 18.7                    | 18.6                    | 1.82                                   | 0.79                             | 0.42                    |
| 4       | Color                  | pt-co | day         | 15                         | Orion AQ3700/<br>Photometric  |                         |                         | 92                      | 21                                     | 9                                | 4                       |
| 5       | Suspended Solid        | mg/L  | day         | ...                        |                               |                         |                         | 85                      | 13                                     | 13                               | 1                       |
| 6       | Taste and Odour        |       | day         | Odorless                   | Manual                        |                         |                         | Dirty Smell             | No Objectionable                       | No Objectionable                 | No Objectionable        |
| 7       | Chloride               | ppm   | day         | 150-600                    | Mercuric Nitrate Titration    |                         |                         | 800                     | 540                                    |                                  |                         |
| 8       | Total Dissolved Solids | ppm   | Once a week | 1000                       | Orion Star™ A222 & A322       | 1359                    | 846.5                   |                         |  |                                  |                         |
| Remark: |                        |       |             |                            |                               |                         |                         |                         |  |                                  |                         |