



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 10-10-2023

Test No: 1554

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: 10:22 AM | Sampling Time: 10:30 AM | Sampling Time: 10:35 AM | Sampling Time: 11:20 AM                | Sampling Time: 11:30 AM          | Sampling Time: 11:35 AM |
| 1              | Temperature     | °C    | day       | 20-30                      | Portable analyser-ST300    |                         |                         | 29.9                    | 30.1                                   | 30                               | 29.7                    |
| 2              | pH              |       | day       | 6.5-8.5                    |                            |                         |                         | 8.16                    | 7.97                                   | 7.88                             | 7.8                     |
| 3              | Turbidity       | NTU   | day       | <1 NTU                     | WTW PhotoFlex Turb         | 120                     | 38.3                    | 37.2                    | 1.92                                   | 0.59                             | 0.39                    |
| 4              | Color           | pt-co | day       | 15                         | Portable analyser-AQ3700   |                         |                         | 259                     | 30                                     | 19                               | 13                      |
| 5              | Suspended Solid | mg/L  | day       | ...                        |                            |                         |                         | 130                     | 43                                     | 43                               | 3                       |
| 6              | Taste and Odour |       | day       | Odorless                   | Manual                     |                         |                         | Dirty Smell             | Dirty Smell                            | No Objectionable                 | No Objectionable        |
| 7              | Chloride        | ppm   | day       | 150-600                    | Mercuric Nitrate Titration |                         |                         | 30                      | 30                                     |                                  |                         |
| <b>Remark:</b> |                 |       |           |                            |                            |                         |                         |                         |  |                                  |                         |