



# Bangabandhu Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 24-10-2021

Test No: 838

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: 9:10 AM | Sampling Time: 9:00 AM | Sampling Time: 10:37 AM | Sampling Time: 11:40 AM                | Sampling Time: 11:56 AM          | Sampling Time: 12:07 PM |   |   |  |  |
| 1              | Temperature     | °C    | day         | 20-30                      | Portable analyser-ST300    |                        |                        | 29.1                    | 28.8                                   | 28.6                             | 28.6                    |   |   |  |  |
| 2              | PH              |       | day         | 6.5-8.5                    |                            |                        |                        | 8.09                    | 7.8                                    | 7.69                             | 7.68                    |   |   |  |  |
| 3              | Turbidity       | NTU   | day         | <1 NTU                     | WTW PhotoFlex Turb         | 213                    | 16.8                   | 16.9                    | 0.77                                   | 0.31                             | 0.18                    |   |   |  |  |
| 4              | Color           | pt-co | day         | 15                         | Portable analyser-AQ3700   |                        |                        | 85                      | 3                                      | 2                                | 6                       |   |   |  |  |
| 5              | Suspended Solid | mg/L  | day         | ...                        |                            |                        |                        | 168                     | 10                                     | 9                                | 0                       | 0 | 0 |  |  |
| 6              | Taste and Odour |       | day         | Odorless                   | Manual                     |                        |                        | Dirty Smell             | No Objectionable                       | No Objectionable                 | No Objectionable        |   |   |  |  |
| 7              | Alkalinity      | mg/L  | Once a week | ...                        | Titration                  |                        |                        |                         |  |                                  |                         |   |   |  |  |
| 8              | Hardness        | mg/L  | Once a week | 200-500                    | Portable analyser-AQ3700   |                        |                        |                         |  |                                  |                         |   |   |  |  |
| 9              | Chloride        | ppm   | day         | 150-600                    | Mercuric Nitrate Titration | 40                     | 40                     |                         |  |                                  |                         |   |   |  |  |
| <b>Remark:</b> |                 |       |             |                            |                            |                        |                        |                         |  |                                  |                         |   |   |  |  |