



# 110 MLD Surface Water Treatment Plant

Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

Date of Testing: 06-12-2024

Test No: 1976

Weather: Sunny

| Sl No. | Water Quality Parameters | Units | Frequency   | BDS for Drinking Water (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: 09:52 AM | Sampling Time: 07:50 AM | Sampling Time: 08:45 AM | Sampling Time: 09:28 AM                | Sampling Time: 09:35 AM          | Sampling Time: 09:40 AM |   |       |
| 1      | Temperature              | °C    | day         | 20-30                             | HI-98107/<br>Electrometric   |                         |                         | 25.2                    | 25.2                                   | 25.4                             | 25.9                    |   |       |
| 2      | pH                       |       | day         | 6.5-8.5                           |                              |                         |                         | 8                       | 7.7                                    | 7.8                              | 7.7                     |   |       |
| 3      | Turbidity                | NTU   | day         | <1 NTU                            | WTW PhotoFlex Turb           | 90.2                    | 15.1                    | 14.9                    | 1.94                                   | 0.46                             | 0.25                    |   |       |
| 4      | Color                    | pt-co | day         | 15                                | Orion AQ3700/<br>Photometric |                         |                         | 66                      | 37                                     | 18                               | 9                       |   |       |
| 5      | Suspended Solid          | mg/L  | day         | ...                               |                              |                         |                         | 58                      | 12                                     | 12                               | 2                       | 0 | 0     |
| 6      | Taste and Odour          |       | day         | Odorless                          | Manual                       |                         |                         | Dirty Smell             | Dirty Smell                            | No Objectionable                 | No Objectionable        |   |       |
| 7      | Sulfate                  | mg/L  | Once a week | 400                               | USEPA1 SulfaVer 4 Method2    |                         |                         |                         |  |                                  |                         |   | 12    |
| 8      | Chloride                 | ppm   | day         | 150-600                           | Mercuric Nitrate Titration   | 30                      | 30                      |                         |  |                                  |                         |   | 30    |
| 9      | Total Dissolved Solids   | ppm   | day         | 1000                              | Orion Star™ A222 & A322      | 166.6                   | 159.1                   |                         |  |                                  |                         |   | 160.8 |

Remark: