



Khulna WASA, Pathorghata, Rupsha, Khulna-9240

## Daily Water Quality Report of Laboratory

**Date of Testing: 05-04-2025**

**Test No: 2096**

**Weather: Sunny**

| SI 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: 09:50 AM | Sampling Time: 10:20 AM | Sampling Time: 10:30 AM | Sampling Time: 11:20 AM                | Sampling Time: 11:30 AM          | Sampling Time: 11:40 AM |   |       |
| 1       | Temperature              | ℃     | day         | 20-30                             | HI-98107/ Electrometric      |                         |                         | 28.8                    | 28.6                                   | 28.9                             | 29.2                    |   |       |
| 2       | pH                       |       | day         | 6.5-8.5                           |                              |                         |                         | 8.5                     | 8                                      | 8.2                              | 8.1                     |   |       |
| 3       | Turbidity                | NTU   | day         | <1 NTU                            | WTW PhotoFlex Turb           | 137                     | 17.3                    | 17.1                    | 1.88                                   | 0.51                             | 0.24                    |   |       |
| 4       | Color                    | pt-co | day         | 15                                | Orion AQ3700/ Photometric    |                         |                         | 88                      | 29                                     | 16                               | 13                      |   |       |
| 5       | Suspended Solid          | mg/L  | day         | ...                               |                              |                         |                         | 99                      | 11                                     | 11                               | 1                       | 0 | 0     |
| 6       | Taste and Odour          |       | day         | Odorless                          | Manual                       |                         |                         | Dirty Smell             | Dirty Smell                            | No Objectionable                 | No Objectionable        |   |       |
| 7       | Oxygen -Dissolved        | mg/L  | Once a week | 6                                 | OHAUS ST-300D/ Electrometric |                         |                         |                         |                                        |                                  |                         |   |       |
| 8       | Nitrate                  | mg/L  | Once a week | 10                                | Cadmium Reduction Method     |                         |                         |                         |                                        |                                  |                         |   |       |
| 9       | Chloride                 | ppm   | day         | 150-600                           | Mercuric Nitrate Titration   | 240                     | 170                     |                         |                                        |                                  |                         |   | 160   |
| 10      | Total Dissolved Solids   | ppm   | day         | 1000                              | Orion Star™ A222 & A322      | 499.5                   | 409.3                   |                         |                                        |                                  |                         |   | 395.1 |
| Remark: |                          |       |             |                                   |                              |                         |                         |                         |                                        |                                  |                         |   |       |