

## J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY.

Research & Monitoring Division, Miskeen Bagh, Srinagar.

Physico-chemical analysis report of different STPs as on 15-12-2020.

| Parameters       | Units         | Hazratbal |       | Habak |       | Laam |       | Brarinambal<br>LDA |       | Brarinambal<br>UEED |       | Nallah<br>Amir Khan |       | Norms<br>as per<br>NGT                   |
|------------------|---------------|-----------|-------|-------|-------|------|-------|--------------------|-------|---------------------|-------|---------------------|-------|--|
|                  |               | Raw       | Final | Raw   | Final | Raw  | Final | Raw                | Final | Raw                 | Final | Raw                 | Final |  |
| Air Temperature  | °C            | 8.7       | 8.8   | 10.1  | 10.2  | 9.5  | 9.6   | 11.7               | 11.8  | 9.0                 | 9.1   | 10.7                | 10.6  | --                                       |
| W. Temp.         | °C            | 12.3      | 12.3  | 12.9  | 12.0  | 12.3 | 11.9  | 10.6               | 10.3  | 10.1                | 10.4  | 12.2                | 11.2  | --                                       |
| pH               | --            | 7.4       | 7.8   | 7.3   | 7.9   | 7.3  | 7.8   | 7.3                | 7.9   | 7.2                 | 7.7   | 7.3                 | 7.7   | 5.5-9.0                                  |
| Dissolved Oxygen | mg/l          | 0.8       | 3.2   | 1.6   | 5.6   | 2.8  | 3.2   | 1.2                | 6.0   | 0.4                 | 2.4   | 1.2                 | 5.4   |  |
| Nitrate Nitrogen | mg/l          | 0.3       | 0.2   | 0.6   | 1.5   | 0.3  | 0.7   | 3.5                | 2.7   | 0.5                 | 0.7   | 1.0                 | 1.9   | TOTAL<br>NITROGEN<br>: 10                |
| Orthophosphate   | mg/l          | 1.6       | 0.8   | 2.7   | 1.4   | 1.9  | 0.7   | 2.3                | 0.4   | 2.2                 | 1.6   | 2.5                 | 0.4   | 1.0 as T.P                               |
| T.S.S            | mg/l          | 235       | 44    | 312   | 40    | 332  | 52    | 219                | 36    | 321                 | 127   | 225                 | 27    | 20                                       |
| Fecal Coliform   | Col/100<br>ml | --        | 650   | --    | 650   | --   | 500   | --                 | 400   | --                  | 2900  | --                  | 400   | Desirable<br>=100<br>Permissible<br>=230 |

Note: - Samples for BOD Estimation under incubation.