

**J&K LAKES AND WATERWAYS DEVELOPMENT AUTHORITY**  
**RESEARCH & MONITORING DIVISION, MISKEEN BAGH, KHANYAR, SRINAGAR**

**ANALYTICAL RESULT OF SAMPLES COLLECTED ON 19.06.2019**

Weather : Sunny

| Parameter          | Unit             | Hazratbal           |       |                   | Habak               |       |                   | Laam                |       |                   |
|--------------------|------------------|---------------------|-------|-------------------|---------------------|-------|-------------------|---------------------|-------|-------------------|
|                    |                  | Raw                 | Final | Norms as per CPCB | Raw                 | Final | Norms as per CPCB | Raw                 | Final | Norms as per CPCB |
| Air Temp.          | °C               | 29.1                | 29.8  |                   | 29.9                | 29.7  |                   | 27.2                | 29.5  |                   |
| Water Temp.        | °C               | 18.7                | 19.5  |                   | 19.5                | 19.3  |                   | 18.2                | 19.0  |                   |
| pH                 |                  | 7.4                 | 7.6   | 6.5-9.0           | 7.5                 | 7.8   | 6.5-9.0           | 7.6                 | 7.9   | 6.5-9.0           |
| Nitrate Nitrogen   | mg/l             | 0.5                 | 0.7   |                   | 0.6                 | 0.6   |                   | 0.4                 | 0.5   |                   |
| Ammonical Nitrogen | mg/l             | 23.5                | 18.6  | 5                 | 32.5                | 29.1  | 5                 | 14.1                | 11.8  | 5                 |
| Ortho- Phosphate   | mg/l             | 2.1                 | 0.8   | 2                 | 4.1                 | 1.2   | 2                 | 1.9                 | 1.0   | 2                 |
| Total Phosphorus   | mg/l             | 2.6                 | 1.2   |                   | 4.8                 | 1.5   |                   | 2.5                 | 1.4   |                   |
| COD                | mg/l             | 259                 | 85    | 50                | 310                 | 89    | 50                | 255                 | 75    | 50                |
| TSS                | mg/l             | 209                 | 47    | 10                | 265                 | 51    | 10                | 210                 | 40    | 10                |
| Fecal Coliform     | Colonies / 100ml | 1.8x10 <sup>5</sup> | 1150  |                   | 1.6x10 <sup>5</sup> | 850   |                   | 1.2x10 <sup>5</sup> | 750   |                   |
| Total Coliform     | Colonies / 100ml | 2.1x10 <sup>5</sup> | 1250  |                   | 1.8x10 <sup>5</sup> | 900   |                   | 1.5x10 <sup>5</sup> | 850   |                   |

Note: The BOD data will be provided seperately after five days.