

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

ANALYTICAL RESULT OF SAMPLES COLLECTED ON 12.07.2019

Weather : Sunny

| Parameter | Unit | Hazratbal | | Habak | | Laam | | Brari Nambal | | Nallah Amir Khan | | Norms as per NGT Order |
|--------------------|------|-----------|-------|-------|-------|------|-------|--------------|-------|------------------|-------|------------------------|
| | | Raw | Final | Raw | Final | Raw | Final | Raw | Final | Raw | Final | |
| Air Temp. | °C | 28.0 | 31.3 | 28.1 | 31.9 | 28.0 | 31.6 | 28.5 | 31.3 | 27.9 | 33.6 | |
| Water Temp. | °C | 20.2 | 21.2 | 21.0 | 22.0 | 20.3 | 21.4 | 22.8 | 23.6 | 19.6 | 21.4 | |
| pH | | 7.2 | 7.4 | 7.3 | 7.5 | 7.4 | 7.6 | 7.2 | 7.6 | 7.4 | 7.7 | 5.5-9.0 |
| Nitrate Nitrogen | mg/l | 0.3 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | Total Nitrogen :10 |
| Ammonical Nitrogen | mg/l | 28.2 | 27.0 | 43.7 | 40.2 | 17.6 | 14.2 | 33.1 | 9.3 | 25.8 | 21.6 | |
| Ortho- Phosphate | mg/l | 2.6 | 2.0 | 4.2 | 2.4 | 3.1 | 1.4 | 3.6 | 0.7 | 2.6 | 1.6 | |
| Total Phosphorus | mg/l | 3.2 | 2.8 | 5.1 | 3.1 | 4.1 | 2.0 | 4.3 | 1.3 | 3.4 | 2.6 | 1.0 |
| COD | mg/l | 195 | 97 | 234 | 90 | 350 | 75 | 310 | 70 | 275 | 84 | 50 |
| TSS | mg/l | 182 | 66 | 290 | 79 | 454 | 44 | 306 | 45 | 196 | 36 | 20 |