



Rajbagh, Srinagar Kashmir

Report No:- PCB/ROK/W.Lab/AR/20-21/120

Date 02/02/2021

Analysis Report

| S.no | Parameter | STP NALLAH AMIR KHAN | | | STP BARINAMBAL LAWDA | | | STP BARINAMBAL UEED | | | Permissible limits as per general standards for discharge of environmental pollutants |
|------------------|---|----------------------|-------|-------------|----------------------|-------|-------------|---------------------|-------|-------------|---|
| | | RAW | FINAL | % TREATMENT | RAW | FINAL | % TREATMENT | RAW | FINAL | % TREATMENT | |
| Date of Sampling | | 28-01-2021 | | | 28-01-2021 | | | 28-01-2021 | | | |
| 1 | Air Temperature | 7.00 | | | 8.00 | | | 8.10 | | | |
| 2 | Water Temperature | 6.0 | 5.5 | | 7.5 | 7.0 | | 7.5 | 7.8 | | 5°C above receiving water body. |
| 3 | pH | 7.70 | 7.88 | | 7.71 | 7.81 | | 7.45 | 7.77 | | 5.5 to 9.0 |
| 4 | Dissolved Oxygen | 1.0 | 7.3 | - | 1.0 | 7.4 | | 0.5 | 3.5 | - | - |
| 5 | Chemical Oxygen Demand | 291.50 | 58.30 | 80.00 | 308.21 | 49.9 | 83.81 | 333.2 | 183.2 | 45.02 | - |
| 6 | *Biochemical Oxygen Demand for 3days at 27°C* | 95.0 | 11.0 | 88.42 | 101.0 | 10.0 | 90.10 | 129.0 | 67.0 | 48.06 | 30.0 |
| 7 | Phosphate(PO4-P) | 1.340 | 0.253 | 81.12 | 1.890 | 0.362 | 80.85 | 2.180 | 1.97 | 9.63 | 5.0 |
| 8 | Ammonical Nitrogen (NH3-N) | 8.190 | 1.3 | 84.13 | 8.410 | 1.830 | 78.24 | 10.070 | 8.88 | 11.82 | 50.0 |
| 9 | Chloride | 40.0 | 38.0 | - | 54.0 | 46.0 | - | 56.0 | 50.0 | - | 1000.0 |
| 10 | Total Suspended Solids | - | 20.0 | - | - | 21.0 | - | - | 123.0 | - | 100.0 |
| 11 | Total Dissolved Solids | 520.0 | 430.0 | - | 450.0 | 376.0 | - | 450.0 | 410.0 | - | 2100 |

% of Treatment should be= 90%

It is advised that treated water from the STPs should be utilized for activities like irrigation, construction, industrial use etc instead of discharging it directly into the water bodies so that water bodies can be prevented from further deterioration

All values are in mg/l except p H, & Temperature

Note :- This analysis report is confined only to the samples analysed

Sample Collected by

Analysed by

I/C Water Lab



J&K Pollution Control Board
Rajbagh, Srinagar Kashmir

Report No:-PCB/ROK/W.Lab/AR/20-21/119

Date 02/02/2021

Analysis Report

| S.no | Parameter | STP NISHAT LAAM | | | STP HABAK | | | STP HAZRATBAL | | | Permissible limits as per general standards for discharge of environmental pollutants |
|------------------|---|-----------------|-------|-------------|------------|-------|-------------|---------------|-------|-------------|---|
| | | RAW | FINAL | % TREATMENT | RAW | FINAL | % TREATMENT | RAW | FINAL | % TREATMENT | |
| Date of Sampling | | 28-01-2021 | | | 28-01-2021 | | | 28-01-2021 | | | |
| 1 | Air Temperature | 5.0 | | | 6.00 | | | 6.00 | | | |
| 2 | Water Temperature | 5.40 | 5.3 | — | 5.9 | 5.4 | — | 5.4 | 5.5 | — | 5°C above receiving water body. |
| 3 | pH | 7.3 | 7.7 | — | 7.20 | 7.71 | — | 7.50 | 7.77 | — | 5.5 to 9.0 |
| 4 | Dissolved Oxygen | 0.80 | 5.40 | — | 1.0 | 7.0 | — | 0.8 | 4.6 | — | — |
| 5 | Chemical Oxygen Demand | 391.50 | 99.90 | 74.48 | 324.80 | 91.6 | 71.80 | 366.5 | 91.60 | 75.01 | — |
| 6 | *Biochemical Oxygen Demand for 3days at 27°C* | 129.0 | 21.5 | 83.33 | 121.0 | 21.8 | 81.98 | 129.0 | 25.0 | 80.62 | 30.0 |
| 7 | Phosphate(PO4-P) | 1.580 | 0.663 | 58.04 | 1.710 | 0.479 | 71.99 | 1.530 | 0.817 | 46.60 | 5.0 |
| 8 | Ammonical Nitrogen (NH3-N) | 9.500 | 7.36 | 22.53 | 8.480 | 7.210 | 14.98 | 8.580 | 7.43 | 13.40 | 50.0 |
| 9 | Chloride | 76.0 | 44.0 | — | 54.0 | 50.0 | — | 72.0 | 42.0 | — | 1000.0 |
| 10 | Total Suspended Solids | — | 30.0 | — | — | 24.0 | — | — | 25.0 | — | 100.0 |
| 11 | Total Dissolved Solids | 330.0 | 318.0 | — | 520.0 | 448.0 | — | 498.0 | 430.0 | — | 2100 |

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