



# PRAYAGRAJ JAL KAL VIBHAG LABORATORY

## CHEMICAL ANALYSIS OF WATER

### Test Report

कार्यालय महाप्रबन्धक  
जलकल विभाग-नगर निगम  
प्रयागराज

20L प्रयोग जलकल वि 17023 20-24  
दिनांक 23/8/2023

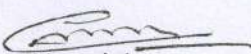
Sl. NO

1. Source of sample *Water Sample, YMCA Centenary school & College Campus*
2. Date of Sampling *21/8/2023 Received, 13. Sarojini Naidu marg Prayagraj.*
3. Date of Analysis *21/8/2023*

| Physico Chemical Parameter                 | BIS Limits IS 10500 : 2012         |   | Result of test |
|--|------------------------------------|---|----------------|
|  | Requirement (Desirable Limit) Mg/l | Permissible limit In the absence of Alternate source Mg/l |                |
| 4. Total Dissolved solids                  | 500                                | 2000  | 43             |
| 5. Hardness Total as CaCO <sub>3</sub>     | 200                                | 600   | 40             |
| 6. Hardness Temporary as CaCO <sub>3</sub> | NS                                 | NS  | 20             |
| 7. Hardness Permanent as CaCO <sub>3</sub> | NS                                 | NS  | 20             |
| 8. Chlorine as Chlorides Cl                | 250                                | 1000  | 18             |
| 9. Total Alkalinity as CaCO <sub>3</sub>   | 200                                | 600   | 12             |
| 10. Nitrites as NO <sub>2</sub>            | NS                                 | NS  | Nil            |
| 11. Iron as Fe                             | 0.3                                | No relaxation   | Nil            |
| 12. Fluoride as F                          | 1.0                                | 1.5   | 0.3            |
| 13. Colour Hazen Unit                      | 5                                  | 15  | colourless     |
| 14. Taste                                  | Agreeable                          | Agreeable   | Not tasted     |
| 15. Odour                                  | Agreeable                          | Agreeable   | Odourless      |
| 16. pH Value                               | 6.5 to 8.5                         | No relaxation   | 7.0            |
| 17. Conductivity as $\mu$ mosh at 20°C     | NS                                 | NS  | 62             |
| 18. Turbidity NTU                          | 1                                  | 5   | 0.5            |
| 19. Free Residual Chlorine                 | 0.2                                | NS  | Nil            |

Remarks

*Potable*

  
Chemist



Copy forwarded for information to

E.E.  
अधिशक्ती अभियन्ता (मु०)  
जलकल विभाग, नगर निगम  
प्रयागराज

- 1 The addl. Director, State Health Institute, Sector-C, Chetan Bihar, Aliganj, Lucknow, U.P.
- 2 Chief Medical Officer, Prayagraj.
- 3 Mukhya Nagar Swasthya Adhikari, Nagar Nigam. Prayagraj.
- 4 Nagar Ayukta, Nigar Nigam, Prayagraj.
- 5 The Suprintending Engineer (R&D) office of Addl. Chief Engineer (PPR&D), U.P. Jal Nigam, 6 Rana Pratap marg, Lucknow.
- 6 Chairman, jalkal Vibhag/Mayor, Nigam, Prayagraj.



*Sarla Maurya* E.E.  
MANAGER  
YMCA Centenary School & College  
Allahabad

# ALLAHABAD JAL KAL VIBHAG LABORATORY

Result of the Bacteriological examination of the Water taken from Water Sample  
 Name & Designation of the person collecting the sample Mr. Rajendra Prasad & Chemist

| S.No. | Date & time of collection | Date of receipt and inoculation | Source of Sample   | Colony Count on agar plate in 1 ml. |                                 | Presumptive coliform count                                |        |        | Probable No. of coliform organism in 100 ml. of original water | Free residual chlorine mg/l | Remarks       |
|-------|---------------------------|---------------------------------|--|-------------------------------------|---------------------------------|---|--------|--------|--|-----------------------------|---------------|
|       |                           |                                 |  | At 37°C in 48 hours                 | At room temperature in 72 hours | Quantity of water put up in each tube/No. of tubes put up | 50 ml. | 10 ml. |  |                             |               |
| 21    | 8/2023                    | 21/8/2023                       | Water Sample<br>YMCA Centenary School & College<br>Campus - 13-Sarajini<br>Naidu Marg. Prayagraj |                                     |                                 |   | 1      | 5      | 5  |                             | Nil Excellent |

Sarla Maeh



MANAGER  
 Y M C A Centenary School & College  
 Allahabad

Chief Chemist

Chemist

Signature

Ex. Engineer (HQ)  
 अधिशासी अभियंता (ए.ए.ए.)  
 जलकल विभाग, नगर निगम  
 प्रयागराज