Regional Water Analysis Laboratory, U.P. Jal Nigam, BHU-STP, Bhagwanpur, Varanasi – 221 005 (U.P.)
(Physical, Chemical and Microbiological Analysis Report of Water Samples)

1. Water Sample(s) received from : Principal, Microtek International School, Barai Baragaon, Varanasi **2. Analysis Report No. : 105**

3. Date of obtaining Sample(s) & Letter No.: 27.08.2026 **4. Report Dispatch No.: 63/कैम्प क्षे.प्र.वा./रिपोर्ट, दिनांक-27.08.2026**

Specification of Drinking Water as per IS 10500:2012 (Second Provision)		Turbidity (NTU)	Colour (Hazen)	Residual Chlorine (ppm)	Arsenic as As (ppm)	Taste & Odour	pH	Total Dissolve Solids (ppm)	Chloride as Cl (ppm)	Sulphate as SO_4 (ppm)	Fluroide as F (ppm)	Nitrate as NO^3 (ppm)	Nitrate as NO_2 (ppm)	Calcium as Ca (ppm)	Magnesium as Mg (ppm)	Iron as Fe (ppm)	Total Hardness as $CaCO_3$ (ppm)	Total Alkalinity as $CaCO_3$ (ppm)	MPN Nos./100mL (Coliform)	Remark(s)
	Permissible Limits	5	15	1.0	0.01	Unobjectionable /Objectionable	No Relaxation 6.5-8.5	2000	1000	400	1.5	45	0.1	200	100	1.0	600	600	0.0	
	Acceptance Limits	3	9	0.4	0.01			800	350	350	1.2	45	0.0	89	48	0.3	350	300	0.0	
Parameters (Unit) → Details of Water Samples(s)		Turbidity (NTU)	Colour (Hazen)	Residual Chlorine (ppm)	Arsenic as As (ppm)	Taste & Odour	pH	Total Dissolve Solids (ppm)	Chloride as Cl (ppm)	Sulphate as SO_4 (ppm)	Fluroide as F (ppm)	Nitrate as NO^3 (ppm)	Nitrate as NO_2 (ppm)	Calcium as Ca (ppm)	Magnesium as Mg (ppm)	Iron as Fe (ppm)	Total Hardness as $CaCO_3$ (ppm)	Total Alkalinity as $CaCO_3$ (ppm)	MPN Nos./100mL (Coliform)	A & B: Satisfactoy C: Unsatisfactory

Sample No.	Source	Village Code No.	Name of Place/ Location	Block	District																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
211	Sub-mersible	-	School Campus	BG	VNS	0.23	7.5	-	-	Unob	8.19	310	18	1.43	0.0	16	0.00	22.2	47	0.51	200	284	-	B

Special Remark if any: Satisfactory for oral consumption under measured condition.

Note:
1. Sample(s) with any parameter value above acceptable limit will only be used for oral consumption if no other source is available.
2. Parameters above the Pormissible Limit of IS 10500:2012 (Second Revision) are written in bold with black shade.
3. This certificate refers only to the particular sample(s) submitted for testing
4. Acidified samples) for testing of Iron and Arsenie-wast were) not received/received.
5. this certificate shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the Head of Laboratory.
6. The test results reported in this certificate are valid at the time of and under the stated conditions of measurements.

Signed by
(Assistant Research Officer)
UP Zonal Zone
U.P. Jal Nigam, Varanasi