

	<b>STATE LEVEL WATER TESTING LABORATORY</b> <b>P.H.E.D., GOVERNMENT OF BIHAR</b>	<b>Format No.:</b> SLWTL/FRM/02
		<b>Issue No.001</b>
	<b>TEST CERTIFICATE</b>	<b>Issue Date:</b> 11.07.2023

<b>Report No:</b> SLWT/2023/GW-20001	<b>Date of Reporting:</b> 07.07.2023
<b>Name of the Organisation/Person:</b> R N G INTERNATIONAL SCHOOL	<b>Sample Received on:</b> 07.07.2023
<b>Ref.Memo No:</b> RNGIS/05, dated. 07.07.2023	<b>Date of Sampling:</b> 07.07.2023
<b>Location Details:</b> JHURKIYA, CHAKEYAJ, MAHNAR, VAISHALI	<b>Source of Sample:</b> Drinking Water
<b>Sample Collected By:</b> SLWTL	<b>Type of Container:</b> Plastic
<b>Type of Sample :</b> Ground Water	<b>Sample Condition:</b> Sealed
<b>Volume of Sample:</b> 1 Ltr	<b>Date of Analysis Completed:</b> 11.07.2023
<b>Mode of Preservation:</b> Preserved	-
<b>Date of Analysis Started:</b> 07.07.2023	-

### PHYSICO-CHEMICAL TEST REPORT

Sl. No.	Parameters	Minimum Description Limit	Desirable Limit*	Permissible Limit* in absence of alternate source	Method of Testing Parameters	Results
1	pH Value	2.0	6.5-8.5	No relaxation	Ph meter	7.10
2	Turbidity, NTU, Max	4.0	1	10.0	Nephelometric	2.02
3	Conductivity, umho/cm	1.0	-	-	Conductivity meter	358.00
4	Total Dissolved Solid, mg/l, Max.	10.0	500	2000	Conductivity meter	275.00
5	Total Hardness(as CaCO <sub>3</sub> ), mg/l, Max.	10.0	300	600	EDTA method	252.00
6	Calcium(as Ca), mg/l, Max.	5.0	75	200	EDTA method	41.33
7	Magnesium(as Mg), mg/l, Max.	2.0	30	100	EDTA method	16.22
8	Chloride(as Cl), mg/l, Max.	5.0	250	1000	Titration	24.42
9	Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max.	10.0	200	600	Titration	175.11
10	Iron(as Fe), mg/l, Max.	0.01	1.0	No relaxation	Phenanthroline	0.41
11	Nitrate(as NO <sub>3</sub> ), mg/l, Max.	1.0	45	No relaxation	UV-method	0.83
12	Sulphate(as SO <sub>4</sub> ), mg/l, Max.	5.0	200	400	Turbidimetric	9.72
13	Fluoride(as F), mg/l, Max.	0.01	1.0	1.5	SPANDS	0.54
14	Arsenic(as As), mg/l, Max.	0.002	0.01	No relaxation	AAS	BDL

**Note\***(i) Drinking Water Specification Second Revision-IS: 10500:2012

(ii)BDL means Below Detection Limit.

### BACTERIOLOGICAL TEST REPORT

Sl. No.	Parameters	Permissible Limit	Method of Testing Parameters	Results
15	Coliform Organisms, MPN/100ml	**	M- Test- Tube Technique	Absent

Note: \*\*shall not be detectable in any 100 ml



**(Shubhankar Kumar Biswas)**  
 Signature of Lab-In-charge  
 SLWTL, PATNA, BIHAR