

	<b>STATE LEVEL WATER TESTING LABORATORY</b> <b>P.H.E.D., GOVERNMENT OF BIHAR</b>	Format No.: SLWTL/FRM/02
		Issue No.1124
<b><u>TEST CERTIFICATE</u></b>		Issue Date: 11.06.2024

<b>Report No:</b> SLWT/2024/GW-11124	<b>Date of Reporting:</b> 06.06.2024
<b>Name of the Organisation/Person:</b> ELITE INTERNATIONAL SCHOOL	<b>Sample Received on:</b> 06.06.2024
<b>Ref.Memo No:</b> SMPS/98 dated.06.06.2024	<b>Date of Sampling:</b> 06.06.2024
<b>Location Details:</b> WARD-16, AUGAN, BEGUSARAI	<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> 11.06.2024
<b>Mode of Preservation:</b> Preserved	-
<b>Date of Analysis Started:</b> 11.06.2024	-

#### 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	7.00
2	Turbidity, NTU, Max	4.0	1	10.0	Nephelometric	2.01
3	Conductivity, umho/cm	1.0	-	-	Conductivity meter	360.00
4	Total Dissolved Solid, mg/l, Max.	10.0	500	2000	Conductivity meter	278.00
5	Total Hardness(as CaCO <sub>3</sub> ), mg/l, Max.	10.0	300	600	EDTA method	257.00
6	Calcium(as Ca), mg/l, Max.	5.0	75	200	EDTA method	44.11
7	Magnesium(as Mg), mg/l, Max.	2.0	30	100	EDTA method	16.12
8	Chloride(as Cl), mg/l, Max.	5.0	250	1000	Titration	24.30
9	Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max.	10.0	200	600	Titration	184.12
10	Iron(as Fe), mg/l, Max.	0.01	1.0	No relaxation	Phenonthroline	0.49
11	Nitrate(as NO <sub>3</sub> ), mg/l, Max.	1.0	45	No relaxation	UV-method	0.78
12	Sulphate(as SO <sub>4</sub> ), mg/l, Max.	5.0	200	400	Terbidimetric	9.97
13	Fluoride(as F), mg/l, Max.	0.01	1.0	1.5	SPANDS	0.55
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

