DISTRICT WATER TESTING LABORATORY
RWSS DIVISION. SAMBALPUR

Email:rwsslabsbp@gmail.com

Letter No. 71 Dt. 25.x.2024

To

The Principal
PM SHREE Kendriya Vidyalaya No-2 Sambalpur

Sub:- Test Report of Drinking water Sources.

Sir,

With reference to the above cited subject, I am to enclosed here with the test report of drinking water sources which are collected from PM SHREE Kendriya Vidyalaya No-2 Sambalpur Campus.

This is for kind information& necessary Action.

Encl: Test report.

25/x/2024
Quality Manager
DWTL Sambalpur

Quality Manager
District Water Testing Laboratory
RWS&S Division, Sambalpur

DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION SAMBALPUR

Mob. – 9437597053 E-mail. –rwsslabsbp@gmail.com

WATER ANALYSIS REPORT

TEST REPORT NO.- DWTLS -68/2024-25

Issue No. - 82
Date:- 25.10.2024

NABL ACCREDITED
TC-12837

Sample Particulars		Details of Sampling	
Name of the Customer :-	Principal PM SHREE Kendriya Vidyalaya No-2, Sambalpur	Type of Source:-	Ground Water
		Date of Sampling:-	18.10.2024
		Sampler receive date:- Vide letter No.-	Letter No-109, Date-.8.10.2024
Sample Package Condition:- k) Quantity of Sample Received – 1000 ml each l) Type of Container - PP (Poly Propiline)		Sample Registration Date:-	18.10.2024
		Sample Collected by:-	Dr. S.K Muduli ,Quality Manger RWS&S lab. Sambalpur.
		Sample Location:-	PM SHREE Kendriya Vidyalaya No-2, At- Burla, Sambalpur Campus.

TEST RESULT

Test started on-		28.10.2024		Test completed on-		20.10.2024
Sl.	Test Parameters	Units	Results	Requirements IS 10500 :2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	pH at 25°C	pH Unit	8.02	*6.5 to 8.5*	No relaxation	APHA, 24th Ed.2023-4500+B: 2023
2	Turbidity	NTU	4.8	1.0	5.0	APHA 24th Ed2023-2130 B (Nephelometric Method): 2023
3	*Elect. Conductivity	µmho/cm	156.2	—	----	APHA 24th Ed.2023- 2510 B:: 2023
4	Total Dissolved Solids (TDS)	mg/l	103.0	500	2000	APHA 24th Ed. -2540-TDS Method C (Dried at 180 degree Celcius): 2023
5	Chloride	mg/l	24.0	250	1000	APHA 24th Ed.2023-4500 Cl B (Argentometric Method): 2023
6	Total Hardness (as $CaCO_3$)	mg/l	90.0	200	600	APHA 24th Ed. 2023- 2340 C (Titrimetric Method): 2023
7	Total Alkalinity (as $CaCO_3$)	mg/l	68.0	200	600	APHA 24th Ed. 2023 2320 B(Titration Method): 2023

8	Total Iron	mg/l	0.18	1.0	No relaxation	APHA 24th Ed.2023- 3500 Fe B (Phenanthroline Method: 2023
9	*Fluoride	mg/l	0.52	1.50	1.50	Ion-Selective Electrode Method
10	*Residual Chlorine	mg/l	0.00	0.2	1.0	RC Comparator Method
11	Calcium (as Ca)	mg/l	20.84	75	200	APHA 24th Ed. - 3500-Ca Method B (EDTA method): 2023
12	Magnesium (as Mg)	mg/l	9.0	30	100	APHA 24th Ed. 3500 Mg B (Calculation Method): 2023
13	*Total Coliform	MPN	0.00	Shall Not be detected any in 100ml sample	No Relaxation	Enzyme Substract Method
14	*E. Coli	MPN	0.00	Shall Not be detected any in 100ml sample	No Relaxation	Enzyme Substract Method
15	Nitrate	Mg/l	8.88	45.0	No Relaxation	UV spectrophotometric Method.

Information on Test Report :

Results relates only to samples received in the Laboratory .

The test report shall not be reproduced except in full without written approval of DWTLS.

**Indicates the parameter are not included in NABL scope*

#APHA – American Public Health Association

Quality Manager.

25/7/2024

Dr. Sanjaya Kumar Mudulli

District Water Testing Laboratory, Sambalpur

Authorised Signature

********************End Of the Report********************