



**OFFICE OF THE SUPERINTENDING ENGINEER
RWS&S DIVISION, SUNDARGARH**

Email: - rwss.sng@gmail.com

Letter No. 2287 Dt. 05/12/24

To

The Darshan Education Foundation
sundargarh
Dist-Sundargarh

Sub: - Issue of Water Quality Report.

Ref: - Your Letter No. -Nil Dt.28.11.2024.

Sir,

With reference to the subject and letter no. cited above, I am submitting herewith the water quality report of water sample submitted by you on dt .28.11.2024..

This is for your information.

Encl: - Water Quality Report

N.B. - 10 Nos. of parameters are tested and all are under BIS Guideline.

Yours faithfully

Superintending Engineer(I/C)
RWS&S Division, Sundargarh
5/12/24

DIVISIONAL LEVEL LABORATORY, R.W.S.&S. SUNDARGARH

Mob. -7894198309; E-mail. - sundargarhdistlab@gmail.com

WATER ANALYSIS REPORT

DATE OF ISSUE - 05.12.2024

Sample Particulars

Name of the Customer :	Darshan Education Foundation sundargarh	Details of Sampling	
		Type of Source:-	TW
		Date of Sampling:-	28.11.2024
		Sample receive date:- Vide letter No.	Dt.28.11.2024 vide Ltr. No. - Nil
Sample Package Condition:-		Sample Collected by:-	By the School Staff
a) Quantity of Sample Received - 1000 ml		Sample Location:-	Darshan Education Foundation sundargarh
b) Type of Container - PP Bottle			

TEST RESULT

Test started on-		28.11.2024				Test completed on-		03.12.2024	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method			
				Acceptable Limit	Permissible Limit in absence of alternate source				
1	pH	pH Unit	6.52	6.5 to 8.5	No relaxation	Electrometric Method, (APHA 23 rd Ed 4500-H ⁺ B)			
2	Total Dissolved Solids* (TDS)	mg/l	184	500	2000	Gravimetric Method			
3	Chloride	mg/l	58	250	1000	Argentometric Method (APHA 23 rd Ed 4500 - Cl- B)			
4	Total Hardness (as CaCO ₃)	mg/l	124	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)			
5	Total Alkalinity (as CaCO ₃)	mg/l	48	200	600	Titration Method (APHA 23 rd Ed. - 2320 B)			
6	Fluoride (as F)	mg/l	0.19	1.0	1.5	SPADNS Method (HACH Colorimeter Method)			
7	Iron	mg/l	0.50	1.0	No relaxation	Phenanthroline Method (HACH Colorimeter Method)			
8	Turbidity	NTU	1.52	0	5	Hexamine-Hydrazine Method			
9	Total Coliform Bacteria	MPN	>1	<1	No relaxation	Quanty Tray Method			
10	E. Coliform Bacteria	MPN	>1	<1	No relaxation	Quanty Tray Method			

Note :- The samples were tested with dilution.

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 DWTL.

#APHA - American Public Health Association

Analysed & compared by

Amogh Pratna
05/12/2024

Lab. Chemist
RWS&S Division, Sundargarh

[Signature]
Junior Laboratory Assistant
RWS&S Division, Sundargarh