

DISTRICT WATER TESTING LABORATORY, R.W.S.&S.DIVISION, ANGUL at TALCHER,

Mob. -8280408908; E-mail. -distlabangul@gmail.com



WATER ANALYSIS REPORT

TEST REPORT NO. - DWTLA TR/261/2024-25/S-1
ULR TC1261724000000F
DATE OF ISSUE -22.04.2024



TC - 12617

Sample Particulars		Details of Sampling	
Name of the Customer :-	Sankha-Jyoti Public School Vidya Vihar, Khindo, Kuluma Rengali dam site Angul	Type of Source:-	Ground Water
		Date of Sampling:-	Not Specified
		Sample receive date:- Vide letter No	20.04.2024/ Vide letter No. 02/S.JPS/2024-25/ Dated . 20.04.2024
Sample Package Condition:-		Sample Registration Date:-	20.04.2024
Quantity of Sample Received -1000ml		Sampling Protocol:-	Samples is not collected by this laboratory
Type of Container - PP		Sample Collected by:-	Not Specified
Sealed / Unsealed : Sealed		Sample Location:-	Vidya Vihar, Khindo, Kuluma Rengali dam site, Angul

TEST RESULT

Test started on-		20.04.2024		Test completed on-		22.04.2024	
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Temperature	°C	25.3°C	----	----	Laboratory and Field Method (APHA 24 th Ed 2550.B)	
2	pH at 25.3°C	pH Unit	7.42	6.5 to 8.5	No relaxation	Electrometric Method (APHA 24 th Ed 4500-H ⁺ B)	
3	Elect Conductivity	µmho/cm	196.9	---	---	Instrumental Method (APHA 24 th Ed 2510 -B)	
4	Turbidity	NTU	0.75	1.0	5.0	Nephelometric Method (APHA 24 th Ed. - 2130. B)	
5	Chloride	mg/l	28.0	250	1000	Argentometric Method (APHA 24 th Ed 4500 - Cl- B)	
6	Total Alkalinity (as CaCO ₃)	mg/l	120.0	200	600	Titration Method (APHA 24 th Ed - 2320 B)	
7	Total Hardness (as CaCO ₃)	mg/l	132.0	200	600	EDTA Titrimetric Method (APHA 24 th Ed 2340 C)	
8	Iron	mg/l	0.218	1.0	No relaxation	Phenanthroline Method (APHA 24 th Ed 3500 - Fe B)	

Note :- The samples were tested with dilution.
Information on Test Report :
Results relate only to samples received in the Laboratory.
The test report shall not be reproduced except in full without written approval of DWTLA.

APHA - American Public Health Association

Checked & Reviewed by

22.04.2024
Technical Manager

Principal
Sankha-Jyoti Public School
Vidya Vihar, Rengali Dam Site Angul
End of Report*****

Quality Manager 22/04/2024
District Water Testing Laboratory
RWS&S Division, Angul at Talcher
Authorised Signatory

DISTRICT WATER TESTING LABORATORY, R.W.S.&S.DIVISION, Angul at Talcher,

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				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	25.3°C	---	---	Laboratory and Field Method (APHA 24 th Ed 2550 B)
2	TDS	mg/l	127.9	500	2000	Calculation Method
3	Fluoride	mg/l	0.124	1.0	1.5	Ion - Selective Electrode Method (APHA 24 th Ed - 4500 F C)
4	Nitrate	mg/l	0.212	45.0	No relaxation	Nitrate Electrode Method (APHA 24 th Ed. 4500 -NO ₃ D)
5	Sulphate (SO ₄ ²⁻)	mg/l	1.09	200	400	Turbidimetric Method (APHA 24 th Ed. - 4500- SO ₄ ²⁻)
6	Calcium (as Ca)	mg/l	22.63	75	200	EDTA Titration Method (APHA 24 th Ed. - 3500 Ca B)
7	Magnesium (as Mg)	mg/l	12.32	30	100	Calculation Method (APHA 24 th Ed. - 3500 Mg B)
8	Colour		Clear	---	---	Visual Comparison Method
9	Test		Agreeable	Agreeable	Agreeable	
10	Odour		Agreeable	Agreeable	Agreeable	
11	Residual Chlorine	mg/l	Not detected	0.2	1.0	Visual Comparison Method (O T Method)

Principal
Sankha-Jyoti Public School
Vidya Vihar, Rengali Dam Site, Angul

Bacteriological Test

1	Total coliforms	MPN/ 100ml	0.00	Shall not be detectable in any 100 ml Samples	Colilert-18/IDEXX-Quantity Tray. (Enzyme Substrate Test APHA 24 th Ed 9223-CI-B)
2	E Coli	MPN/ 100ml	0.00		

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Checked & Reviewed by

[Signature]
22.04.2024
Technical Manager

[Signature]
Quality Manager 22/04/2024

District Water Testing Laboratory
RWS&S Division, Angul at Talcher

Authorised Signatory

*****End of Report*****

[Signature]
Principal
Sankha-Jyoti Public School
Mdva Vihar, Pambalga

[Signature]
22/04/2024
District Water Testing Laboratory
RWS&S Division, Angul at Talcher