

# 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

Name of the Customer :- Sankha-Jyoti Public School  
Vidya Vihar, Khindo, Kuluma  
Rengali dam site  
Angul

### Details of Sampling

Type of Source:-	Ground Water
Date of Sampling:-	Not Specified
Sample receive date:- Vide letter No.	20.04.2024/ Vide letter No. 02/SJPS/2024-25/ Dated . 20.04.2024
Sample Registration Date:-	20.04.2024
Sampling Protocol:-	Samples is not collected by this laboratory.
Sample Collected by:-	Not Specified
Sample Location:-	Vidya Vihar, Khindo, Kuluma Rengali dam site, Angul

Sample Package Condition:-  
a) Quantity of Sample Received -1000ml  
b) Type of Container - PP  
c) Sealed / Unsealed : Sealed

## 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 <sup>rd</sup> Ed 2550 B)	
2	pH at 25 3°C	pH Unit	7.42	6.5 to 8.5	No relaxation	Electrometric Method, ( APHA 24 <sup>rd</sup> Ed 4500-H <sup>+</sup> B)	
3	Elect. Conductivity	µmho/cm	196.9	---	----	Instrumental Method (APHA 24 <sup>rd</sup> Ed 2510 B)	
4	Turbidity	NTU	0.75	1.0	5.0	Nephelometric Method (APHA 24 <sup>rd</sup> Ed. - 2130. B )	
5	Chloride	mg/l	28.0	250	1000	Argentometric Method (APHA 24 <sup>rd</sup> Ed 4500 - Cl- B)	
6	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	120.0	200	600	Titration Method (APHA 24 <sup>rd</sup> Ed - 2320 B)	
7	Total Hardness (as CaCO <sub>3</sub> )	mg/l	132.0	200	600	EDTA Titrimetric Method (APHA 24 <sup>rd</sup> Ed 2340 C)	
8	Iron	mg/l	0.218	1.0	No relaxation	Phenanthroline Method (APHA 24 <sup>rd</sup> Ed 3500 - Fe B)	

Note :- The samples were tested with dilution.


Information on Test Report :

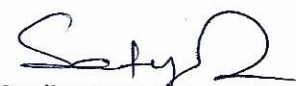
Results relates only to samples received in the Laboratory .

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

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Checked & Reviewed by

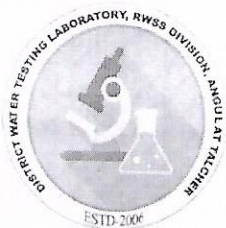
  
22.04.2024  
Technical Manager

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

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

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

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## WATER ANALYSIS REPORT

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ULR - TC1261724000000F  
DATE OF ISSUE - 22.04.2024

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/SJPS/2024-25/ Dated.20.04 2024
		Sample Registration Date:-	20.04.2024
		Sampling Protocol:-	Samples are not collected by this laboratory
		Sample Collected by:-	Not Specified
		Sample Location:-	Vidya Vihar, Khindo, Kuluma Rengali dam site, Angul
Sample Package Condition:-			
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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 <sup>rd</sup> 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 <sup>rd</sup> Ed. - 4500 F -C)
4	Nitrate	mg/l	0.212	45.0	No relaxation	Nitrate Electrode Method (APHA 24 <sup>rd</sup> Ed. -4500 -NO <sub>3</sub> -D)
5	Sulphate (SO <sub>4</sub> <sup>2-</sup> )	mg/l	1.09	200	400	Turbidimetric Method (APHA 24 <sup>rd</sup> Ed. - 4500- SO <sub>4</sub> <sup>2-</sup> )
6	Calcium (as Ca)	mg/l	22.63	75	200	EDTA Titration Method (APHA 24 <sup>rd</sup> Ed. - 3500 Ca B)
7	Magnesium (as Mg)	mg/l	12.32	30	100	Calculation Method (APHA 24 <sup>rd</sup> 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)

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 <sup>th</sup> Ed 9223 -CI- B)
2	E Coli	MPN/ 100ml	0.00		

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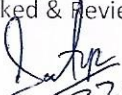
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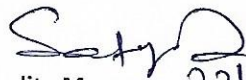
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\*\*\*\*\*End of Report\*\*\*\*\*