



**DISTRICT WATER TESTING LABORATORY  
RWS&S DIVISION, DEOGARH**

**At-College Road, Nr. ITI College, Po-Purunagarh, Dist-Deogarh**  
**E-mail-distlabrwsdeogarh@gmail.com**



**Letter no- 15**

**Date-24.04.2025**

To

The Principal,  
Ekalavya Model Residential School,  
KALAMATI

Sub:- Test Report of Water Sample.


Ref:- Your letter No- 834 / Dt .16.04.2025

Sir,

The test report of the water sample sent to this Laboratory for testing of chemical & Bacteriological Parameters Analysis is enclosed herewith for your kind information and necessary action.

Yours faithfully,

Encl:-As above

  
Laboratory Incharge  
District Water Testing Laboratory  
RWS&S Division, Deogarh

**Laboratory Incharge**  
**DWTL, DEOGARH**

# Jal Jeevan Mission

Har Ghar Jal



## District Water Testing Laboratory RWSS, Deogarh

District Water Testing Laboratory RWS&S Division, Deogarh At-College Road, Near ITI College, PO- Purunagarh (Deogarh) Dist- Deogarh, Pin- 768119 (Test Address only)

### Test report

Sample  
Id:

U2589598528376167



### User Information

Name: EKALAVYA MODEL RESIDENTIAL SCHOOL PRINCIPAL DOMAN EKKA Mobile: 7008415769

Email: emrstilebani2019@gmail.com Pin Code: 768108

Full Address: Village- Kalamati, Gram Panchayat- Baniakilinda, Block- Tilebani, District- DEOGARH, State- Odisha

### Sample description

Source of Sample: EKALAVYA MODEL RESIDENTIAL SCHOOL Village: Kalamati  
Gram Panchayat: Baniakilinda Block: Tilebani  
District: DEOGARH State: Odisha  
Address: Remarks: EKALAVYA MODEL RESIDENTIAL SCHOOL  
Latitude: Longitude:

#### Date & time of sample collection

17.04.2025 | 08:40:00 AM

#### Date & time of sample received in lab

23.04.2025 | 08:00:00 AM

#### Date & time of sample analysed

24.04.2025 | 12:50:00 PM

#### Date & time of report generation

24.04.2025 | 12:52:25 PM

### Test results

S.No	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Method of Analysis	Remarks
1	Calcium (as Ca)*	mg/l	75	200	61.720	Calculation by APHA	
2	Chloride (as Cl)*	mg/l	250	1000	26.000	Argentometric method	
3	Colour*	Hazen units	5	15	0.000	Colour	



S. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit as per BIS 2012)	Permissible limit (in absence of natural source water in the area)	Test result	Method of Analysis
4	Conductivity*	micromhos per centimeter / microsiemens per centimeter	NA	NA	448.000	Instrumental method
5	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	Enzyme substrate method
6	Fluoride (as F)	mg/l	1	1.5	0.200	Ion selective electrode method
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.094	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method
8	Magnesium (As Mg)*	mg/l	30	100	19.930	Calculation by APHA
9	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.001	Ion selective electrode method
10	pH*	NA	6.5-8.5	No Relaxation	6.790	Electrometric method
11	TDS*	mg/l	500	2000	291.000	Instrumental method
12	Temperature*	NA	NA	NA	24.800	Temperature
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	268.000	Titration method
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	Enzyme substrate method
15	Total Hardness (As CaCO <sub>3</sub> )*	mg/l	200	600	236.000	EDTA Titrimetric method
16	Turbidity*	NTU	1	5	0.440	Nephelometric method

**Note:**

- 1)\*Indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

**Data prepared by**

Chemist: (Sitakanta kar)

Microbiologist: (Sitakanta kar)

*(Signature)*  
Authorised signatory

Laxmi Prasad Panigrahi (Test Lab Incharge)

**Laboratory Incharge**  
**DWTL, DEOGARH**

\*\*\*\*\*This is an electronically generated report and does not require a signature\*\*\*\*\*

**Jal Jeevan Mission aims at potable tap water supply to every home**

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health

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**CERTIFICATE FOR SAFE DRINKING WATER AND SANITARY CONDITION EKALAVYA  
MODEL RESIDENTIAL SCHOOL, KALAMATI, TILEIBANI, DEOGARH**

Letter No.

17.

Date. 29.04.25

Certified that an inspection team headed by Assistant Engineer, RWS&S Section, Tileibani, Deogarh RWS&S Division, Deogarh. inspected the Ekalavya Model Residential School, Kalamati, Tileibani, Deogarh. on 29.04.25 and found that Ekalavya Model Residential School, Kalamati, Tileibani, Deogarh has safe drinking water facilities for the students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building and the campus as per the norms prescribe by the central/state/U.T. GOVT.

The above valid for a period of **One Year**.

Signature with seal:

Assistant Engineer  
R.W.S. & S. Section

Name:

Manabendra Gori  
Tileibani

Designation:

Assistant Engineer

To

Ekalavya Model Residential School

At: Kalamati, Deogarh

Dist: Deogarh

(Name & Address of the Institution)