



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- 22 Date- 24.07.2026

To

Principal,
Ekalavya Model Residential School
At-Kalamati, Po-Baniakilinda(Tileibani)
PS/Dist-Deogarh(768108)



Sub:- Test Report of Water Sample.

Ref:- Your letter No EMRS/2026-27/1814 Dt.18.07.2026

Sir,

The test report of the 02(Two) nos of 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

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)

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Test report

Sample Id: U2589598538143024



User Information

Name: EKALAVYA MODEL RESIDENTIAL SCHOOL PRINCIPAL DOMAN EKKA Mobile: 7008415769
Email: emrstileibani2019@gmail.com Pin Code: 768108
Full Address: Village- Kalamati , Gram Panchayat- Baniakillinda, Block- Tileibani, District- DEOGARH, State- Odisha

Sample description

Source of Sample: SCHOOL COMPOUND IN SIDE Village: Kalamati
Gram Panchayat: Baniakillinda Block: Tileibani
District: DEOGARH State: Odisha
Address: Remarks: EKALAVYA MODEL RESIDENTIAL SCHOOL KALAMATI BORWELL 2
Latitude: 21.52267 Longitude: 84.80512

Date & time of sample collection: 22.07.2026 | 01:14:00 PM
Date & time of sample received in lab: 22.07.2026 | 01:15:00 PM
Date & time of sample analysed: 23.07.2026 | 03:30:00 PM
Date & time of report generation: 24.07.2026 | 05:02:18 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	85.770	Calculation by APHA	
2	Chloride (as Cl)*	mg/l	250	1000	50.000	Argentometric method	
3	Colour*	Hazen units	5	15	2.000	Colour	
4	Conductivity*	micromhos per centimeter / microsiemens per centimeter	NA	NA	538.000	Instrumental method	

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
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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	0.080	Ion selective electrode method
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.302	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method
8	Magnesium (As Mg)*	mg/l	30	100	23.810	Calculation by APHA
9	Nitrate (as NO3)	mg/l	45	No Relaxation	0.010	Ion selective electrode method
10	pH*	NA	6.5-8.5	No Relaxation	7.200	Electrometric method
11	TDS*	mg/l	500	2000	350.000	Instrumental method
12	Temperature*	NA	NA	NA	24.800	Temperature
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	290.000	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 CaCO3)*	mg/l	200	600	312.000	EDTA Titrimetric method
16	Turbidity*	NTU	1	5	4.740	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)

Authorised signatory

Laxmi Prasad Panigrahi (Test Lab Incharge)

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

Laboratory Incharge
DWTL, DEOGARH

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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District Water Testing Laboratory RWSS , Deogarh

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

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Test report

Sample Id: U2589598538142902



User Information

Name: EKALAVYA MODEL RESIDENTIAL SCHOOL PRINCIPAL DOMAN EKKA Mobile: 7008415769
Email: emrstileibani2019@gmail.com Pin Code: 768108
Full Address: Village- Kalamati , Gram Panchayat- Baniakillinda, Block- Tilelbani, District- DEOGARH, State- Odisha

Sample description

Source of Sample: SCHOOL CAMPUS IN SIDE Village: Kalamati
Gram Panchayat: Baniakillinda Block: Tilelbani
District: DEOGARH State: Odisha
Address: Remarks: EKALAVYA MODEL RESIDENTIAL SCHOOL KALAMATI BORWELL 1
Latitude: 21.52268 Longitude: 84.80519

Date & time of sample collection Date & time of sample received in lab Date & time of sample analysed Date & time of report generation
22.07.2026 | 01:10:00 PM 22.07.2026 | 01:15:00 PM 23.07.2026 | 03:30:00 PM 24.07.2026 | 05:02:52 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	106.610	Calculation by APHA	
2	Chloride (as Cl)*	mg/l	250	1000	58.000	Argentometric method	
3	Colour*	Hazen units	5	15	4.000	Colour	
4	Conductivity*	micromhos per centimeter / microsiemens per centimeter	NA	NA	648.000	Instrumental method	

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
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	0.100	Ion selective electrode method	
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.466	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method	
8	Magnesium (As Mg)*	mg/l	30	100	29.160	Calculation by APHA	
9	Nitrate (as NO ₃)	mg/l	45	No Relaxation	0.020	Ion selective electrode method	
10	pH*	NA	6.5-8.5	No Relaxation	7.110	Electrometric method	
11	TDS*	mg/l	500	2000	421.000	Instrumental method	
12	Temperature*	NA	NA	NA	24.800	Temperature	
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	346.000	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 ₃)*	mg/l	200	600	386.000	EDTA Titrimetric method	
16	Turbidity*	NTU	1	5	4.980	Nephelometric method	

Note:

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Data prepared by

Chemist: (Sitakanta kar)

Microbiologist: (Sitakanta kar)

[Signature]
24/07/26
Authorized signatory

Laxmi Prasad Panigrahi (Test Lab Incharge)

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Laboratory Incharge
DWTL, DEOGARH

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. 100

Date. 10.08.2026

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 10/8/26 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]
10/8/26

Signature with seal:

Name: *Srikanta Patra*
Designation: *Asst. Executive Engg.*

To

Ekalavya Model Residential School
At: Kalamati, Debagada
Dist: Debagada