

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

At/p.o: Manduta, Dist: Keonjhar,  
Odisha, Pin: 758014  
Email: [rwssdistlab.keonjhar@gmail.com](mailto:rwssdistlab.keonjhar@gmail.com)

Letter No 30 / Dated 29/08/2024

To

Kamalendu Brahma,  
Project Manager,  
HSCL, Bhubaneswar.

Sub:- Test report of water Sample.


Ref:- Your Letter No. HSCL/KJR/EMRS/PATANA/PHI/2024-25/02 dated 14.08.2024.

Sir,

With reference to above, I am to forward herewith the test report of the water sample for Drinking purpose of Eklavya Model Residential School, Patana, Keonjhar.

Yours faithfully,

Encl:-As above

  
(CEO-cum- Executive Engineer)  
District Water Testing Laboratory  
RWS&S Division, Keonjhar.

  
29/8/24

**DISTRICT WATER TESTING LABORATORY, R.W.S.&S., DIVISION,  
KEONJHAR**

Phone – (06766) 255442 ; E-mail – [rwssdistlab.keonjhar@gmail.com](mailto:rwssdistlab.keonjhar@gmail.com)



**WATER ANALYSIS REPORT**

TEST REPORT NO. - DWTLK-TR-37/2024 S-01 - 01  
ULR - TC 897924000000037F  
DATE OF ISSUE – 23.08.2024



TC-8979

| Sample Particulars   |  | Details of Sampling  |  |
|--|--|--|--|
| Name of the Customer :-<br>Kamalendu Brahma,<br>Project Manager, HSCL,<br>Bhubaneswar. | Type of Source:-                         | Ground Water   |  |
|  | Date of Sampling:-                       | Not Specified  |  |
|  | Sample receive date:-<br>Vide letter No. | 14.08.2024 (11.52 AM) Vide letter No<br>HSCL/KJR/EMRS/PATNA/PH1/2024-25/02<br>dated 14.08.2024 |  |
| Sample Package Condition:- Seal  | Sample Registration Date:-               | 14.08.2024   |  |
| a) Quantity of Sample Received – 500ml<br>b) Type of Container - pp                    | Sampling Protocol:-                      | Samples are not collected by this laboratory   |  |
|  | Sample Collected by:-                    | Customer   |  |
|  | Sample Location:-                        | As per letter under reference(above)   |  |

**TEST RESULT**

| Test started on- |   | 14.08.2024 |           | Test completed on-              |  | 23.08.2024   |  |
|------------------|---|------------|-----------|---------------------------------|--|--|--|
| Sl.              | Test Parameters                             | Units      | Results   | Requirements<br>IS 10500 : 2012 |  | Test Method  |  |
|                  |   |            |           | Acceptable Limit                | Permissible Limit in absence of alternate source |  |  |
| 1                | pH  | pH Unit    | 1- 6.75   | 6.5 to 8.5                      | No relaxation                                    | Electrometric Method<br>( APHA 24 <sup>th</sup> Ed 4500-H <sup>+</sup> B ) |  |
| 2                | Elect Conductivity                          | µS/cm      | 1- 654.0  | ---                             | ---  | Instrumental Method<br>( APHA 24 <sup>th</sup> Ed 2510 B )                 |  |
| 3                | Chloride                                    | mg/l       | 1- 54.00  | 250                             | 1000   | Argentometric Method<br>( APHA 24 <sup>th</sup> Ed 4500 - Cl- B )          |  |
| 4                | Total Hardness<br>(as CaCO <sub>3</sub> )   | mg/l       | 1- 196.00 | 200                             | 600  | EDTA Titrimetric Method<br>( APHA 24 <sup>th</sup> Ed 2340 C )             |  |
| 5                | Total Alkalinity<br>(as CaCO <sub>3</sub> ) | mg/l       | 1- 228.00 | 200                             | 600  | Titration Method<br>( APHA 24 <sup>th</sup> Ed - 2320 B )                  |  |
| 6                | Iron  | mg/l       | 1- 0.106  | 1.0                             | No relaxation                                    | Phenanthroline Method<br>( APHA 24 <sup>th</sup> Ed 3500 - Fe B )          |  |
| 7                | Turbidity                                   | NTU        | 1- 0.10   | 1.0                             | 5.0  | Nephelometric Method<br>( APHA 24 <sup>th</sup> Ed - 2130 B )              |  |

**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 Keonjhar.

Disclaimer: The information of sample is provided by the customer & can affect the validity of result. The sample has been provided by the customer & the results apply to the sample as received. Sample will be disposed within 15 days of date of reporting.

**#APHA – American Public Health Association**

Checked & Reviewed by

*S.M.*  
23.08.24

**Swati Mohapatra**  
Chemist & Technical Manager  
District Water Testing Laboratory  
RWS&S Division, Keonjhar

*P.K.*  
23/8/24

**Pranab Kishore Nanda**  
Chemist & Quality Manager  
Authorised Signatory  
District Water Testing Laboratory  
RWS&S Division, Keonjhar

-----End of Report-----

**DISTRICT WATER TESTING LABORATORY, R.W.S.&S., DIVISION,  
KEONJHAR**

Phone – (06766) 255442 ; E-mail – [rwssdistlab.keonjhar@gmail.com](mailto:rwssdistlab.keonjhar@gmail.com)



**WATER ANALYSIS REPORT**

TEST REPORT NO.- DWTLK-TR-37/2024/ S-01 - 01  
ULR -  
DATE OF ISSUE – 23.08.2024

| Sample Particulars   |  | Details of Sampling                      |  |
|--|--|--|--|
| Name of the Customer :-<br>Kamalendu Brahma,<br>Project Manager, HSCL,<br>Bhubaneswar. |  | Type of Source:-                         | Ground Water   |
|  |  | Date of Sampling:-                       | Not Specified  |
|  |  | Sample receive date:-<br>Vide letter No. | 14.08.2024 (11:52 AM) Vide letter No<br>HSCL/KJR/EMRS/PATNA/PH1/2024-25/02<br>dated 14.08.2024 |
| Sample Package Condition:- Seal  |  | Sample Registration Date:-               | 14.08.2024   |
| a) Quantity of Sample Received – 500ml<br>b) Type of Container - pp                    |  | Sampling Protocol:-                      | Samples are not collected by this laboratory   |
|  |  | Sample Collected by:-                    | Customer   |
|  |  | Sample Location:-                        | As per letter under reference(above)   |

**TEST RESULT**

| Test started on- |                                   | 14.08.2024 |          | Test completed on-              |  | 23.08.2024   |  |
|------------------|-----------------------------------|------------|----------|---------------------------------|--|--|--|
| Sl.              | Test Parameters                   | Units      | Results  | Requirements<br>IS 10500 : 2012 |  | Test Method  |  |
|                  |                                   |            |          | Acceptable<br>Limit             | Permissible Limit<br>in absence of<br>alternate source |  |  |
| 1                | TDS*                              | mg/l       | 1- 425.0 | 500                             | 2000   | Calculation Method                                     |  |
| 2                | Fluoride*<br>(as F <sup>-</sup> ) | mg/l       | 1- 0.32  | 1.0                             | 1.5  | Spadns Method<br>(APHA 24 <sup>th</sup> Ed – 4500 F D) |  |

**BACTERIOLOGICAL TEST**

| Test started on- |                             | 14.08.2024 |              | Test completed on-                               |  | 23.08.2024   |  |
|------------------|-----------------------------|------------|--------------|--|--|--|--|
| 3                | Total Coliform<br>Bacteria* | MPN/100ml  | 1- < 1(0.00) | Shall not be detectable in<br>any 100 ml Samples |  | Colilert-18/IDEXX-Quantity<br>Tray. (Enzyme Substrate<br>Test APHA 24 <sup>th</sup> Ed 9223 B) |  |
| 4                | E Coli*                     | MPN/100ml  | 1- < 1(0.00) |  |  |  |  |

**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 Keonjhar.

**Disclaimer:** The information of sample is provided by the customer & can affect the validity of result. The sample has been provided by the customer & the results apply to the sample as received. Sample will be disposed within 30 days of date of reporting.

#APHA – American Public Health Association

Checked & Reviewed by

*S.M.*  
23.08.24

Swati Mohapatra  
Chemist & Technical Manager  
District Water Testing Laboratory  
RWS&S Division, Keonjhar

*P.N.*  
23/8/24  
Pranab Kishore Nanda  
Chemist & Quality Manager  
Authorised Signatory  
District Water Testing Laboratory  
RWS&S Division, Keonjhar

# Annexure C


Appendix-XIII

## PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 18/7/25

It is certified that an inspection team headed by Mr. Pranab K. Subhra Nanda  
(Name of Officers with designation) from RNS & S Department Keonjhar  
(Name of Department/ Office) inspected the EMRS Patna  
(Name & Address of the school) on 23/8/24 (date of inspection), checked the water test report submitted by the school and found that the school has potable drinking water for students and staff of the institution and is having provision for running water in the toilets and maintaining hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central/ State/ U.T. Govt.  
The above is valid for a period of 01 year

Signature with Seal:  18/7/25

Name

Superintendent

Designation : Medical Officer H.C. Patna Keonjhar

Assistant Engineer of  
the Govt. Public Health Department (PHED)/  
Authorised officer of the Local Body

Name & Address of the Office / Department : .....

To

The principal

Eklavya Model Residential School  
Erendei, Patana, Keonjhar, Odisha  
(Name & Address of the Institution)

\* The filled up certificate should be either in Hindi or English. If it is issued in vernacular language, translated notarized version in English be uploaded along with the original vernacular certificate as a single pdf.