

DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION, BARGARH

E-mail. – dllbargarh@gmail.com

WATER ANALYSIS REPORT

TEST REPORT NO.- DWTLB- 60/2024-25 / S1

Issue No.- 60

Date :- 20.12.2024

Sample Particulars

Details of Sampling

Name of the Customer :-

The Principal
Vikash Institute for Social
Welfare ,Bargarh (Odisha)

Type of Source:-

Surface Water, Drinking Water, Ground Water

Sample receive date:-
Vide letter No.

Letter No 81/2024 / Dt.04.12.24

Sample Registration Date:-

04.12.24

Sampling Protocol :-

Samples is not collected by this Laboratory

Sample Collected by:-

The Principal
Vikash Institute for Social Welfare ,Bargarh

Sample Address

Sample
code no

Location Address

Type of Source

1

Tilapali , Bargarh

Ground Water

Test started on-

16.12.2024

Test completed on-

17.12.2024

Sl.
No

Test Parameters

Units

Results

BIS

Acceptable Limit

Permissible
Limit

Test Method

1

Temperature

°C

25.0°C

-

APHA 24th Ed 2023. -2550- B Laboratory Method

2

Colour

Hazen Unit

5

1

5

APHA 24th Ed 2023. -2120- B Colour Method
(Platinum Cobalt Visual Comparison)

3

Odour

-

Agreeable

-

-

APHA 24th Ed 2023. -2150-B:Threshold Odour Test

4

Taste

-

Agreeable

-

-

APHA 24th Ed 2023. -2160- B: Flavour Threshold Test

5

Turbidity

NTU

2.9

1.0

5.0

APHA 24th Ed.2023 -2130 B
(Nephelometric Method):2023

6

Total Dissolved Solids(TDS)

mg/l

168

500

2000

APHA 24th Ed.2540 C
Gravimetric Method) Dried at 180°C

7

Elect. Conductivity

µmho/cm

453

APHA 24th Ed 2023- 2510 B:: (Laboratory Method

8

pH at 25.0°C

pHUnit

6.51

6.5 to 8.5

No relaxation

APHA 24th Ed.2023 – 4500 H °B. Electrometric Method

9

Chloride

mg/l

32

250

1000

APHA 24th Ed.2023-4500- Cl⁻ B. (Argentometric Method)

10

Total Hardness (as CaCO₃)

mg/l

136

200

600

APHA 24th Ed.2023- 2340. C .(EDTA Titrimetric Method):

11

Total Alkalinity (as CaCO₃)

mg/l

84

200

600

APHA 24th Ed.2023 2320 B (Titration Method)

12

Total Iron

mg/l

0.98

1.0

No relaxation

APHA 24th Ed.2023- 3500 -Fe B (Phenanthroline Method)

13

Fluoride

mg/l

0.34

1

1.50

APHA 24th Ed.2023- 4500-F⁻ - SPADNS method

14

Total Coliforms

(MPN/100)

00

Shall not be detected in any
100 ml Samples

Colilert -18 /IDEXX- Quantity Tray. (Enzyme Substrate
Test- APHA 24TH Ed 9223- Cl- B)

15

E-Coli

(MPN/100)

00

Counter sign by

Executive Engineer

RWSS Division, Bargarh

Sangita Prash
Principal

Vikash Institute for Social Welfare
Bargarh, Odisha

Jr. Lab Assistant

District Water Testing Laboratory
RWSS Division, Bargarh

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 26.12.2024

It is certified that an inspection team headed by Manju Sahu, Asst. Engineer

(Name of Officers with designation) from L.W.S Division, PHED Bargarh

inspected the Vikash Institute of Social Welfare, Bargarh

(Name & Address of the school) on 26.12.24 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 60 dated 20.12.24

of Divisional Laboratory (PHED Lab) certified that the

Vikash Institute of Social Welfare (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the

hygienic sanitation condition in the school building & the campus as per norms prescribed by the

Central/ State/ U.T. Govt.

This certificate is valid till 26.12.2025

Signature with Seal:

Name

Designation

Name & Address of the Office / Department :

26.12.24
Assistant Engineer
L.W.S Section, Bargarh
Manju Sahu
Asst. Engineer

To

The Principal
Vikash Institute for Social Welfare, Bargarh (Odisha)
(Name & Address of the Institution)

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies