

GOVERNMENT OF ANDHRAPRADESH
DIRECTORATE OF I.P.M.PH. LABS, FOOD (H) ADMN, MANGALAGIRI, GUNTUR DISTRICT
REGIONAL PUBLIC HEALTH LABORATORY, GUNTUR

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

| | | | |
|---------------------|---|-----------------------|------------|
| Sample from | Nandi School, Pedanandipadu, Guntur Dt, Pin: 522235. | Lab. Ref. No: | 12997 |
| | | Collected on | 26.11.2025 |
| | | Received on | 26.11.2025 |
| Collected by | Staff. | Source Profile | Ro water. |

| S.No | Parameter | Source / Sample | | |
|-----------------------------------|--|--|-----------------|--|
| | | Limits as per IS 10500:2012 | | Permissible limit in the absence of alternative source |
| | | Drinking water tap(Ro) at above address. | | |
| | | Desirable (Acceptable limit) | | |
| Physical Parameters | | | | |
| 1 | Colour (Hazen units) | <5.0 | 5 | 15 |
| 2 | Turbidity in NTUS' | 0.1 | 1 | 5 |
| 3 | Odour | Unobjectionable | Unobjectionable | Agreeable |
| 4 | pH | 6.9 | 6.5 – 8.5 | No relaxation |
| 5 | Conductivity at 25 °C (Micro Mhos/ Cm) | 100 | ... | |
| 6 | TDS (mg/L) | 66 | 500 | 2,000 |
| Chemical parameters (mg/L) | | | | |
| 1 | Alkalinity (as CaCO ₃) | Nil | ... | |
| 2 | Total Alkalinity. Max | 20 | 200 | 600 |
| 3 | Total hardness max | 24 | 300 | 600 |
| 4 | Calcium hardness (as CaCO ₃) | 12 | .. | |
| 5 | Magnesium hardness (as CaCO ₃) | 12 | .. | |
| 6 | Calcium (as Ca) | 5.0 | 75 | 200 |
| 7 | Magnesium (as Mg) | 3.0 | 30 | 100 |
| 8 | Ammonical Nitrogen | Nil | ... | |
| 9 | Nitrite (as N) | Nil | ... | |
| 10 | Chloride (as Cl) | 20 | 250 | 1,000 |
| 11 | Fluoride (as F) | 0.1 | 1 | 1.5 |
| 12 | Iron (as Fe) | Nil | 0.3 | No relaxation |

Remarks: The given sample physico chemically all the analysed parameters are within the desirable limits and Satisfactory for drinking purpose.



R. P. Sreenivasulu
28/11
Senior Analyst (Water)
Regional Laboratory
Medical College Campus
Guntur-4.

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated:

It is certified that an inspection team headed by Sri. V. Raja Rao Senior Water Analyst.

(Name of Officers with designation) from Regional public Health Laboratory Guntur.
PHED

inspected the NANDI SCHOOL, Pedanandi padu, Guntur district, A.P.

(Name & Address of the school) on 26-11-2025 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. 12997, 12998 dated 28-11-2025.

of Regional public Health Laboratory (PHED Lab) certified that

the NANDI SCHOOL (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 One year.

Signature with Seal: [Signature] 28/11

Name

V. RAJA RAO

Designation

Senior Water Analyst.

Name & Address of the Office / Department : Regional Laboratory, Guntur.

To

NANDI SCHOOL,
Pedanandi padu, Guntur Dt.,
(Name & Address of the Institution) A.P.

Senior Analyst (Water)
Regional Laboratory
Medical College Campus
Guntur-4.

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



GOVERNMENT OF ANDHRA PRADESH
DIRECTORATE OF I.P.M., P.H.LABS, FOOD (H), ADMINISTRATION, Gollapudi, Vijayawada
REGIONAL P.H.LABORATORY, MEDICAL COLLEGE CAMPUS, GUNTUR -4
REPORT OF MICROBIOLOGICAL ANALYSIS OF WATER

Sample(s) from: Nandi School, Pedanandipadu, Guntur Dt, Pin: 522235.

Collected on: 26.11.2025

Received on : 26.11.2025

Paid / Free : Paid

Collected by : Self

| S.No | Lab Ref. No | SOURCE | Residual Chlorine mg.per litre | MPN of Coliform Bacteria Per 100 ml. | Nature of Coliform Bacteria Isolated | MPN of Esch. coli. |
|------|-------------|---|--------------------------------|--------------------------------------|--------------------------------------|--------------------|
| 1 | 12998 | Drinking water tap (Ro) at above address. | Nil | Nil | - | - |

Remarks:- The given sample is bacteriologically satisfactory for drinking purpose as evidenced by the Nil MPN count of coliform bacteria.



R. Pulla
28/11
Senior Analyst (Water,
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Medical College Campus
Guntur-4.