



Jyothi Engineering College

NAAC Accredited College with HES Accredited Programmes*

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University.

A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETTAATTI P.O. CHERUTHURUTHY, TRICHUR. PIN-679531 PH: +91-4884-259000, 274423 FAX: 04884-274777

NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronic Engineering and Mechanical Engineering valid for the academic year 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic year 2019-2022.

DEPARTMENT OF CIVIL ENGINEERING

CENTRE FOR WATER RESEARCH & EDUCATION

Approved by Kerala State Pollution Control Board as a commercial laboratory
vide order no : PCB/Lab approval 85/2019/valid upto 29.10.2023

Water Quality Test Data

Name of Customer : Principal, Araja English School, Athoor.

Type of Source : Open well.

Date of Collection : 14.12.22.

Date of Testing : 14.12.22 - 16.12.22.

Standard Followed : IS 10500 - 2012

| S/no | Parameter | Unit | Acceptable limit | Permissible limit | Content in the sample |
|------|------------------|----------|------------------|-------------------|-----------------------|
| 1 | Turbidity | NTU | 1 | 5 | 0.5 |
| 2 | pH | No Unit | 6.5-8.5 | No relaxation | 6.8 |
| 3 | TDS | Mg/Litre | 500 | 2000 | 90 |
| 4 | Alkalinity | Mg/Litre | 200 | 600 | 14 |
| 5 | Total Hardness | Mg/Litre | 200 | 600 | 40 |
| 6 | Chloride | Mg/Litre | 250 | 1000 | 12 |
| 7 | Fluoride | Mg/Litre | 1 | 1.5 | Nil |
| 8 | Nitrate | Mg/Litre | 45 | No relaxation | — |
| 9 | Iron | Mg/Litre | 0.3 | 1.0 | 0.20 |
| 10 | Manganese | Mg/Litre | 0.1 | 0.3 | Nil |
| 11 | Sulphate | Mg/Litre | 200 | 400 | 10 |
| 12 | Sulphide | Mg/Litre | 0.05 | No relaxation | — |
| 13 | Dissolved Oxygen | Mg/Litre | — | — | — |
| 14 | COD | Mg/Litre | — | — | Nil |
| 15 | BOD | Mg/Litre | — | — | — |
| 16 | Coliform/100 ml | Number | Nil | Nil | Nil |
| 17 | E.coli/100 ml | Number | Nil | Nil | — |

Remarks and Recommendations :

⇒ This water sample is collected by the Health Dept.
In this sample all the tested parameters are within limits.



Jose P
Dr. JOSE P THERATTIL
Principal
Jyothi Engineering College
Cheruthuruthy - 679531