Centre for Water Research and Education

Department of Civil Engineering

Jyothi Engineering College, Cheruthurthy

(Approved by Kerala State Pollution Control Board as a Commercial Laboratory vide order No PCB/LAB/C12/2014 Dated 13/10/2015)

Result on Analysis of Water Sample : Amsutha Vidhyalam, Athirappamoba Road Cheruthurthy (P.O)

Source of Sample : Open Well.

Date of Collection: 12.11.20

Date of Testing : 12.11.20 – 16.11.20.

Standard Followed :IS 10500 -2012

Sl no	Parameter	Unit	Accéptable limit	Permissible limit	Content in the Sample
1	Turbidity	Unit	1	5	0.1
2	pH	–	6.5-8.5	No relaxation	6.5
3	TDS	Mg/litre	500	2000	86
4	Alkalinity	Mg/litre	200	600	—
5	Total Hardness	Mg/litre	200	600	48
6	Chloride	Mg/litre	250	1000	24
7	Fluoride	Mg/litre	1	1.5	Nil
8	Nitrate	Mg/litre	45	No relaxation	—
9	Iron	Mg/litre	0.3	No relaxation	0.18
10	Manganese	Mg/ litre	0.1	0.3	Nil
11	Suphate	Mg/litre	200	400	0.96
12	Sulphide	Mg/litre	0.05	No relaxation	—
13	Dissolved Oxygen	Mg/ litre	—		—
14	COD	Mg /litre	–		Nil
15	BOD	Mg/litre	—		—
16	Residual chlorine	Mg / litre	0.2	1.00	0.1
17	Coliform /100ml	Number/100ml	Nil	NIL	Nil
18	E_Coli /100ml	Number/100ml	Nil	NIL	—

Remarks and Recommendations :

: All the tested parameters are with in limit

Jyothi Engineering College CHERUTHURUTHY

M. G. Cyriac
Incharge.