

WATER RESOURCES DEPARTMENT

From
Er.B.Senthil Kumaran,B.Tech.,
Executive Engineer, WRD,
Ground Water Division,
Trichy-20.

To
St.Joseph Global School,(CBSE)
Pulvayal Vilaku, Annai Nagar,
Illupur Taluk,
Pudukkottai - 622104

Lr.No. 21^m / AG / F.Water Sample / 2024 / dt:26.03.2024.

Sir,

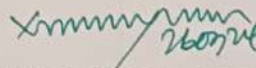
Sub: CONSULTANCY SERVICE – Test result of Water Samples – Report sent – Regarding.

- Ref: 1. Assistant Director, (GC) Geochemical Sub Division, WRD, Trichy
Lr. No.66/AD(GC)/F7/2024/dt.25.03.2024
2. St.Joseph Global school,(CBSE) Pulvayal Vilaku, Annai Nagar,
Ilupur Taluk, Pudukkottai Dt Lr. Dt:622104

With reference to the above letters cited, I sent herewith the Chemical Analysis results made over the Water samples given by you and test result is enclosed.

Encl: Test Result Statement - 1 Sheet.

Lab No: (1340)


EXECUTIVE ENGINEER, WRD.,
GROUND WATER DIVISION,
TRICHY-20

N.O/26324

GOVERNMENT OF TAMILNADU
GEOCHEMICAL LABORATORY, WRD
GROUNDWATER DIVISION
TIRUCHIRAPPALI-620 020

LAB NO: CON 1340
District : Pudukkottai
Taluk : Illupur
Location : Pulvayal Vilaku, Annai Nagar,
Source : RO water

Date of collection: 19.03.2024
Date of Receipt : 19.03.2024

The water sample said to have been collected from above source & date by the concerned person & address given below, is analyzed and the results are furnished.

| S. No. | Parameter | Drinking Water (IS:10500-2012) | | Concentration in Sample | Unit |
|--------|--|-----------------------------------|---|----------------------------|------------------------|
| | | Acceptable Limits | Permissible Limits in the absence of alternate source | | |
| 1 | Electrical Conductivity (E.C) | | | 90 | micromhos/cm @ 25°C |
| 2 | pH | 6.5-8.5 | No relaxation | 7.5 | |
| 3 | Calcium (Ca) | 75 | 200 | 4 | mg/L |
| 4 | Magnesium (Mg) | 30 | 100 | 5 | " |
| 5 | Sodium (Na) | | | 7 | " |
| 6 | Potassium (K) | | | BDL | " |
| 7 | Bicarbonate (HCO ₃) | | | 31 | " |
| 8 | Carbonate (CO ₃) | | | 0 | " |
| 9 | Sulphate (SO ₄) | 200 | 400 | BDL | " |
| 10 | Chloride (Cl) | 250 | 1000 | 14 | " |
| 11 | Nitrate (NO ₃) | 45 | No relaxation | BDL | " |
| 12 | Fluoride (F) | 1 | 1.5 | BDL | " |
| 13 | Total dissolved solids (TDS) | 500 | 2000 | 46 | " |
| 14 | Total Hardness as CaCO ₃ (TH) | 200 | 600 | 30 | " |
| 15 | Total Alkalinity as CaCO ₃ | 200 | 600 | 25 | " |
| 16 | Colour | 5 | 15 | Nil | Hazen Units |
| 17 | Odour | Agreeable | Agreeable | Nil | |
| 18 | Turbidity | 1 | 5 | Nil | NTU |

BDL: Below Deductable Limit.

Note: The given water sample is suitable for drinking purpose, but the essential minerals are below the acceptable limit.

for the
25/3/24
ASSISTANT GEOCHEMIST, WRD,
GEOCHEMICAL SUB DIVISION,
TRICHY-20.

for the
25/3/24
ASSISTANT DIRECTOR(GC), WRD, ^{1/2}
GEOCHEMICAL SUB DIVISION,
TRICHY-20.

To
St. Joseph Global School, (CBSE)
Pulvayal Vilaku, Annai Nagar,
Illupur Tk,
Pudukkottai Dt.,
Pincode: 622104.