



DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
Regional Public Health Water Analysis Laboratory, Tiruchirappalli-20.

From

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Regional Public Health Water Analysis
Laboratory, Tiruchirappalli- 20.
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To

The Correspondent,
Sabarmathi Vidhyalaya Public
School (CBSE),
Eruthukaranpatty,
Kollapuram Road,
Ariyalur 621 713.

R.No.150/A3/2019/CWA/TRY/ Misc-42, Dated: 15.02 .2019.

Sir,

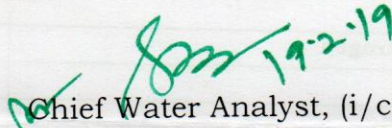
Sub: Report on examination of water samples from the Sabarmathi
Vidhyalaya Public School (CBSE), Eruthukaranpatty, Kollapuram
Road, Ariyalur 621 713.collected on 04.02.2019

A sample of R.O treated water (Source: Borewell Water) stated to have been collected on 04.02.2019 from the tap in R.O unit at Sabarmathi Vidhyalaya Public School (CBSE), Eruthukaranpatty, Kollapuram Road, Ariyalur 621 713, by Thiru.M.Ramesh, Correspondent was received at this laboratory on the same day to assess its suitability for drinking purpose.

The results of analysis are furnished overleaf.

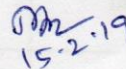
The sample of water is of satisfactory physical and chemical and bacteriological quality for drinking.

Further, it is suggested that outlet water should contain atleast a minimum of 30 mg/l of Total Hardness so as to contain minimum amount of essential minerals like calcium and magnesium to lead a healthy life. In this regard the suppliers of R.O unit may be contacted by furnishing the results of analysis.


Chief Water Analyst, (i/c)
Regional Public Health Water Analysis
Laboratory, Tiruchirappalli-20.

Copy to :

1. Lab
2. File


15-2-19

RESULTS OF EXAMINATION OF SAMPLE OF WATER

From:- Sabarmathi Vidhyalaya Public School (CBSE), Ariyalur.
Collected by: Thiru. M.Ramesh, Correspondent.

Misc-42

Date of collection	04.02.2019			
Date of Receipt	04.02.2019			
Source as per Label	Tap in School			
Borewell -OHT→ RO	Compound			
<u>Bacteriological Examination</u>				
Total colonies per ml. On agar at 37°C	20			
MPN of Coliform bacteria per 100ml.	-0-			
Nature of Coliform bacteria isolated.				
Results of vibrio test.				
<u>Physical Examination</u>				
Colour	Colourless			
Turbidity	2			
Smell	None			
<u>Chemical Examination (mg/l)</u>				
Total solids	30			
Carbonate hardness as CaCO ₃	14			
Non-Carbonate hardness as CaCO ₃	4			
Total hardness as CaCO ₃	18			
Chlorides as Chlorine	3			
Ammoniacal nitrogen	--			
Albuminoid nitrogen	--			
Oxygen absorbed (Tidy's test)	0.24			
Nitrate -nitrogen	0.5			
Acidity/Alkalinity as CaCO ₃	0			
	14			
Fluoride as Fluorine	0			
pH Value	6.5			
Iron as Fe Total	0.05			
Ferrous	--			
Manganese as Mn.	--			
Qualitative	--			
Nitrite nitrogen	Trace			
Sulphate	Trace			
Phosphate	Trace			
Toxic substance	--			
Electrical conductivity (Reciprocal megohms per cm ³ at 20 C)	40			
Microscopical Examination:	Amorphous matter			