



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

From

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To

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

R.No.10/A3/2026/CWA/TRY/ Misc-03 & 04, Dated: 14.01.2026.

Sir,

Sub: Report on examination of water samples from the Sabarmathi Vidhyalaya Public School (CBSE), Eruthukaranpatty, Kollapuram Road, Ariyalur 621 713.collected on 07.01.2026

Two samples of water stated to have been collected on 07.01.2026 by Thiru.Aravindhan, Manager from the following sources points located within the premises of Sabarmathi Vidhyalaya Public School (CBSE), Eruthukaranpatty, Kollapuram Road, Ariyalur 621 713. (Source: Borewell water) were received at this laboratory on the same day from the addressee to assess their suitability for drinking purpose.

1. Water from borewell water tap nearby School Ground
2. Water from R.O unit tap nearby Head Master Room

The results of analysis are furnished overleaf.

1.Water from borewell tap near School Ground [M-03]

The sample of water is colourless and clear in physical appearance.

The chemical analysis reveals that, it is moderately hard and highly mineralized. However, it is considered as acceptable of chemical quality for drinking purposes.

It is of satisfactory bacteriological and biological quality for drinking purposes on this occasion.

2.Water from R.O unit tap nearby Head Mater Room [M-04]

The sample of water is colourless and clear in physical appearance.

Chemical analysis reveals that, it is very soft and less mineralized Even though it is usable the total hardness is only 10mg/l. The calcium and magnesium elements chemical are almost quality for drinking, removed from this water. The calcium and magnesium are very essential minerals for healthy living of human beings. Consumption of this type water for a prolonged time shall be deleterious to the health of the consumers including growing children.

Hence, it is advised that, the supplier of the R.O plant should be contacted immediately along with the copy of this report, to set right the R.O plant in such a way that, the water contains atleast a minimum 30mg/l of total hardness, So as to have some amount of calcium and magnesium in the outlet of R.O plant, which are very essential for a healthy life.

It is of satisfactory bacteriological and biological quality for drinking purposes on this occasion.

The R.O plant should also be maintained periodically as per the supplier's manual to get hygienic safe of water.

The Sump/OHT should be cleaned with strong solution of bleaching powder atleast once in a month to ensure hygienic condition.

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16/11/26*
For Chief Water Analyst, (i/c)
Regional Public Health Water Analysis
Laboratory, Tiruchirappalli-20.

Copy to :

1. Lab
2. File

RESULTS OF EXAMINATION OF SAMPLES OF WATER

From: Sabarmathi Vidhyalaya Public School (CBSE), Eruthukaranpatty,
 Kollapuram Road, Ariyalur 621 713
 Collected by:- Thiru.Aravindhan, Manager

Date of collection	07.01.2026		
Date of Receipt	07.01.2026		
Sample Number	M- 03	M- 03	
Source as per label [Borewell]	Directly from Borewell	Tap at R.O unit	
<u>Bacteriological Examination</u>			
Total colonies per ml. On agar at 37°C	10	5	
MPN of Coliform bacteria per 100ml.	-0-	-0-	
Nature of Coliform Bacteria Isolated			
<u>Physical Examination</u>			
Colour	Colourless	Colourless	
Turbidity	5	2	
Smell	None	None	
Total solids	1010	40	
Carbonate hardness as CaCO_3	240	10	
Non-Carbonate hardness as CaCO_3	0	0	
Total hardness as CaCO_3	240	10	
Chlorides as Chlorine	112	8	
Ammoniacal nitrogen	--	--	
Albuminoid nitrogen	--	--	
Oxygen absorbed (Tidy's test)	0.40	0.16	
Nitrate -nitrogen	4.0	0	
Acidity/Alkalinity CaCO_3	0	0	
	496	22	
Fluoride as Fluorine	0.6	0	
pH Value	6.9	6.6	
Iron as Fe	0.05	0	
Ferrous	--	--	
Manganese as Mn.	--	--	
Nitrite nitrogen	Trace	Trace	
Sulphate	Trace	Trace	
Phosphate	Trace	Trace	
Toxic substance	--	--	
Electrical conductivity (Reciprocal megohms per Cm^3 at 20 °C)	1450	50	
Microscopical Examination	Amorphous matter	Amorphous matter	