



**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

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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.

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

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1. Lab
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# 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 <sub>3</sub>	240	10			
Non-Carbonate hardness as CaCO <sub>3</sub>	0	0			
Total hardness as CaCO <sub>3</sub>	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 <sub>3</sub> } Phenolphthalein s Methyl Orange	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 Cm3 at 20 C)	1450	50			
Microscopical Examination	Amorphous matter	Amorphous matter			