



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

From  
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To  
✓ The Principal,  
R.S.K Higher Secondary School,  
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R.No.35/A3/2025/CWA/TRY/Misc-03-04, Dated: 29.01.2025

Sir,

Sub: Report on examination of water samples from R.S.K Higher Secondary School, BHEL Township, Kailasapuram,Trichy, Collected on 20.01.2025.

Ref: Letter dated.13.01.2025 of the Principal, R.S.K Higher Secondary School, BHEL Township, Kailasapuram,Trichy-14.

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Two samples of water stated to have been collected from the following points on 20.01.2025 from R.S.K Higher Secondary School, BHEL Township, Kailasapuram, Trichy by Thiru.P.S. Karthik Raja, Cluster Civil were received in this laboratory on the same day from the addressee to assess their suitability for drinking purpose.

The results of analysis are furnished overleaf.

1. Tap opposite to Biology Lab, Source: Cauvery river water [M-03]

The sample of water is Colourless and Clear in physical appearance.

Judged by the results of analysis, it is of acceptable chemical quality and satisfactory biological quality for drinking.

R.O outlet Water near Visitors room , Source: Cauvery river water [M-04]

The sample of water is Colourless and Clear in physical appearance.

Judged by the results of analysis, it is of satisfactory chemical and bacteriological quality for drinking.

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

The Sump/OHT should be cleaned atleast once in a month to maintain the hygienic condition.

*16-30/1/25*

Chief Water Analyst,  
Regional Public Health Water Analysis  
Laboratory, Tiruchirappalli-20.

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# RESULTS OF EXAMINATION OF SAMPLES OF WATER

From: The R.S.K Higher Secondary School, BHEL Township, Kailasapuram, Trichy  
Collected by:- Thiru.P.S. Karthik Raja, Cluster Civil

Date of collection	20.01.2024				
Date of Receipt	20.01.2024				
Sample Number	M- 03	M-04			
Source as per label [Cauvery river water]	Tap opposite to Biology Lab	R.O outlet water near Visitors room			
<u>Bacteriological Examination</u>					
Total colonies per ml. On agar at 37°C	-0-	-0-			
MPN of Coliform bacteria per 100ml.	-0-	-0-			
Nature of Coliform Bacteria Isolated					
<u>Physical Examination</u>					
Colour .. .. .	Colourless	Colourless			
Turbidity .. .. .	5	2			
Smell .. .. .	Chlorinous (2.0mg/l)	None			
Total solids	520	60			
Carbonate hardness as CaCO <sub>3</sub>	192	20			
Non-Carbonate hardness as CaCO <sub>3</sub>	32	10			
Total hardness as CaCO <sub>3</sub>	224	30			
Chlorides as Chlorine	100	6			
Ammoniacal nitrogen	--	--			
Albuminoid nitrogen	--	--			
Oxygen absorbed (Tidy's test)	0	0.8			
Nitrate -nitrogen	1.0	0			
Acidity/Alkalinity Phenolphthalein sCaCO <sub>3</sub> Methyl Orange	0 192	0 20			
Fluoride as Fluorine	0.3	0			
pH Value	7.9	7.0			
Iron as Fe	0.05	0			
Ferrous	--	--			
Manganese as Mn.	--	--			
Nitrite nitrogen	Nil	Trace			
Sulphate	Trace	Trace			
Phosphate	Trace	Trace			
Toxic substance	--	--			
Electrical conductivity (Reciprocal megohms per cm <sup>3</sup> at 20 °C)	740	80			
Microscopical Examination	Amorphous matter	Amorphous matter			

*Jb 30/1/25*  
Chief Water Analyst,  
Tiruchirapalli.

*02/01/25*  
30/1/25