



**DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE
CHIEF WATER ANALYST'S LABORATORY, COIMBATORE - 18.**

From

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To

PM Shri Kendriya Vidyalaya
Air force station,
Sulur,
Coimbatore – 641 401.

L.Dis.No. 1367/ A3 / 2026, CWA/CBE, M.207

Dated:23.09.2026.

Sir,

Sub: Report on Examination of water sample from Military Engineering Services, Airforce Station, Sulur, Coimbatore Collected on 09.09.2026.

A sample of water (Source : Mixture of Bhavani and Pillur Dam Water) Military Engineering Service Supply, stated to have been collected on 09.09.2026 from the Water Purifier Outlet tap near staff room, 210 B in main building at PM Shri Kendriya Vidyalaya, Airforce Station, Sulur, Coimbatore by Thiru. S.Sathish Kumar, Vocational Instructor was received at this laboratory on the same day from the above addressee to assess its suitability for drinking purpose.

The results of analysis are furnished overleaf.

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 purpose.

However it smelts highly chlorinous and recorded as a chlorine residual of 4.43 mg/l, which is excess and consumption of such high chlorine residual water will leads to stomach ailments among consumers.

Hence it is advised that the chlorine dose should be optimized by using only Bureau of Indian Standards grade 4 grams of bleaching powder having not less than 32% of available chlorine / 20 ml of Sodium hypochlorite solution having not less than 4 – 6% of available chlorine per 1000 litres of water with 30 minutes contact time, so as to leave a chlorine residual of 0.2 to 0.5 mg/l in the consumer tap to ensure hygienic safety at all times.

The Water Purifier should be maintained periodically as per the Supplier's manual to get hygienic safe water at all times.

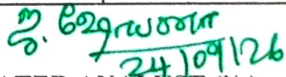
The Sump / OHT should be cleaned atleast once in a month to maintain the hygienic condition.

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CHIEF WATER ANALYST i/c,
COIMBATORE - 18.

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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE			
CHIEF WATER ANALYST'S LABORATORY, COIMBATORE-641018			
RESULTS OF EXAMINATION OF SAMPLES OF WATER			
Samples from	PM Shri Kendriya Vidyalaya Air force Station, Sulur, Coimbatore – 641 401.		
Collected by	Thiru. S.Sathish Kumar, Vocational Instructor		
Date of collection:	09.09.2026		
Date of Receipt :	09.09.2026		
	M. 207		
Source as per Label	Water Purifier Outlet tap near Staff Room, 210 B in Main Building		
Source	Mixture of Bhavani and Pillur Dam Water		
Bacteriological Examination			
Plate count per ml.on agar at 37 ⁰ .C-24 hrs	0		
MPN of Coliform bacteria/100ml	0		
Nature of Coliform bacteria isolated			
Results of Vibrio test			
Physical Examination			
Colour	Colourless		
Turbidity	1		
Smell	Highly Chlorinous (4.43 mg/l)		
Chemical Examination(in mg/l)			
Total solids	80		
Carbonate Hardness (as CaCO ₃)	30		
Non-carbonate Hardness(as CaCO ₃)	8		
Total Hardness (as CaCO ₃)	38		
Chloride (as Cl)	11		
Ammonia cal Nitrogen (as N)	0		
Albuminoid Nitrogen (as N)	-		
Oxygen absorbed(Tidys test) in 4 hrs	0		
Nitrate nitrogen as N	0.5		
Acidity/Alkalinity} Phenolphthalein	0		
as CaCO3 } Methyl Orange	30		
Fluoride (as F)	0.1		
pH value	7.6		
Total Iron (as Fe)	0		
Manganese (as Mn)	-		
Qualitative Tests			
Nitrite Nitrogen	Nil		
Sulphate	Trace		
Phosphate	Trace		
Toxic Substance	-		
Electrical conductivity(Reciprocal megohms per cm at 20°C)	100		
Microscopical Examination	Amorphous Matter		


 CHIEF WATER ANALYST (i/c),
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 24/9/26
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