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DIRECTORATE OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

DEPARTMENT OF WATER AND SEWAGE EXAMINATION

No. L.Dis.No.1129/C/2008(823) misc.187.

Dated.....2.7.2008.....

From Tmt.S.MEENAKSHI, M.Sc.,
THE CHIEF WATER ANALYST, I/c
Department of Water and Sewage Examination,
King Institute Campus, Guindy,
Chennai-600 032.

To
Thiru N.Ramaswamy,
No.12, Ramakrishna Street,
Nehru Nagar, Chrompet,
Chennai-600044.

Sir,

Subject.—Report on examination of water samples from

The source particulars of the sample of water stated to have been collected on 24.6.2008 and the results of analysis are furnished overleaf.

The sample of water is slightly Whitish and slightly turbid in physical appearance.

Chemical analysis reveal that the well water shows high value for alkalinity (624 mg/l) which exceeds the upper permissible limit of 600 mg/l as prescribed by BIS for a drinking water. Hence as such the well water is unsuitable for drinking purpose. However, it can be used for other external purposes such as washing, floor cleaning, toilet flushing etc.

Bacteriologically also, it is of poor quality.

 372008
for CHIEF WATER ANALYST.

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RESULTS OF EXAMINATION OF SAMPLES OF WATER

From N. Ramaswamy, No.12, Ramakrishna St., Nehru nagar, Chrompet, Ch-44Collected by V. SubramaniamDate of Collection 24.6.2008Date of Receipt 24.6.2008

Source as per label

Open well in above address

Bacteriological Examination	Total colonies per ml. on agar at 37°C	1800		
	MPN of Coliform bacteria per 100 ml.	1100		
	Nature of Coliform bacteria isolated.	E. Coli I		
	Results of vibrio test			
Physical Examination	Colour	Sl. Whitish		
	Turbidity (Units)	7		
	Smell	none		
Chemical Examination (in mg/l)	Total solids	1300		
	Carbonate hardness as CaCO ₃	576		
	Non-Carbonate hardness as CaCO ₃	0		
	Total hardness as CaCO ₃	576		
	Chloride as Chlorine	196		
	Ammoniacal nitrogen	-		
	Albuminoid nitrogen	-		
	Oxygen absorbed (Tidy's test)	1.60		
	Nitrate-nitrogen	nil		
	Alkalinity as CaCO ₃ } Phenolphthalein	0		
	Alkalinity as CaCO ₃ } Methyl Orange	624		
	Fluoride as Fluorine	0.1		
	PH	7.3		
	Iron as Fe Total	0.1		
	Ferrous	0.05		
	Manganese as Mn	nil		
	Qualitative--			
Nitrite nitrogen	trace			
Sulphate	present			
Phosphate	trace			
Toxic substances	-			
Electrical conductivity (Reciprocal megohms Cm ³ at 20°C)	1860			

Microscopical Examination

Amorphous matter