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GOVERNMENT OF ODISHA
OFFICE OF THE DEPUTY DIRECTOR CUM FOOD ANALYST
State Food Testing Laboratory, Convent Square, Bhubaneswar-1

No. 279/DDFA

Dated

Bhubaneswar

the 11 th 3 '2019'

To,

The Principal,
Kalinga English Medium School,
At- Kalarabanka, Cuttack

Sub:-Analysis report of water sample.

Report No.	Source:-	*Collected/*Sent by	Reference No.& Date of Collection/Receipt	Date of Examination
84/19	Bore well water	A.K.Samanta	11.02.19	11.02.19

Chemical and Bacteriological Examination of water samples

The sample of water from above source has been caused to be analysed as per the specification of Indian Standard of drinking water under IS:10500:2012 and the findings are as under:

Physical Examination				Chemical Examination			
Sl. No.	Test/Characteristic	Result	Permissible Limit as per IS:10500:2012	Sl. No.	Test/Characteristic	Result mg./ltr (ppm)	Permissible Limit as per IS:10500:2012
1	Colour	Nil	Agreeable	1	Total hardness as CaCO ₃ (mg/l)	76	200 mg/l Max
2	Odour	Nil	Agreeable	2	Iron (as Fe) (mg/l)	Nil	1.0 mg/l Max
3	Turbidity	Nil	1 NTU max.	3	Chloride (as Cl ⁻) (mg/l)	24	250 mg/l Max.
4	p ^H	7.2	6.0 to 8.5	4	Residual free Chlorine (mg/l)	Nil	0.2 mg/l Max.
Bacteriological Examination				5	Sulphate as SO ₄ ⁻ (mg/l)	Nil	200 mg/l Max.
Sl. No.	Test/Characteristic	Result	Permissible Limit as per IS:10500:2012	6	Total Alkalinity (as HCO ₃ ⁻) (mg/l)	88	200 mg/l Max.
1	MPN of coli form group of organisms Per 100 ml.	Absent (0)	Absent (0)	7	Nitrate (as NO ₃ ⁻)	Nil	45 mg/l Max.
2	Test for E. Coli	Negative	Negative	8	Nitrite (as NO ₂ ⁻)	Nil	0.02 mg/l Max.

Remarks:- The water is potable as per the specification of Indian Standard of drinking water under IS:10500:2012.

Dated:
State Food Testing Laboratory
Bhubaneswar-1

J. Mallick
PRINCIPAL

Kalinga English Medium School
Kalarabanka Cuttack

Food Analyst
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