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Natural Resources Development Co-Operative Society Ltd.,

Dr. Gorkey Complex, Wyra Road, KHAMMAM - 507 001.

Reg.No.T.A.602

e-mail: nrdcskmm@gmail.com

REF: CAC/KMM/23-24/

Dt : 27.03.2024

Name and Address of
the Customer

: Winfield High School,
H.No. 16-8-26/4/A/1,
Madhura Nagar Colony,
Road No.4, Gollagudem Road,
KHAMMAM - 507 002.


Details of the samples

: Water sample received from Borewell on 25.03.2024.

Results:

S.No	CONSTITUENTS	Values	Max. Per. Limits as per IS:10500.
A. PHYSICAL :			
1.	Colour (Hazan Units)	<2	15
2.	PH	7.36	6.50 - 8.50
3.	Electrical Conductivity (Microsiemens/Cm)	1390	--
4.	Turbidity (NTU)	<2	5
B.CHEMICAL :			
5.	Dissolved Solids	890	2000
6.	Total Hardness as CaCO ₃	416	600
7.	Alkalinity to phenolphthalein as CaCO ₃	Nil	--
8.	Alkalinity to methyl orange as CaCO ₃	280	600
9.	Non-Carbonate as CaCO ₃	136	--
10.	Calcium as Ca	100.80	200
11.	Magnesium as Mg	39.852	100
12.	Sodium as Na	126	--
13.	Chloride as Cl	160	1000
14.	Sulphate as SO ₄	175	400
15.	Silica as SiO ₂	15	--
16.	Iron as Fe	0.12	0.30
17.	Nitrate as NO ₃	8.85	45
18.	Fluoride as F	1.20	1.50
19.	Potassium as K	3	--
Values are expressed in mg/l, except PH.			
C. BACTERIOLOGICAL :			
20.	MPN of Coliform bacteria per 100ml	Nil	Nil
21.	E - Colie per 100 ml	Absent	Absent
Note : All the above constituents are within the permissible limits as per IS:10500, and the above water is useful for human consumption.			

Consulting Geologists, Geo-Physicists, Chemists, Geo - Technical (K.B. SHIVAYAS)
Head Office : Himayath Nagar, HYDERABAD - 29. CHEMIST.


PRINCIPAL
WINFIELD HIGH SCHOOL
Madhuranagar Colony,
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MANAGER
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