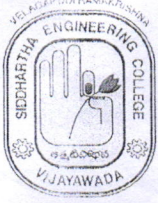


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**DEPARTMENT OF CIVIL ENGINEERING**  
Velagapudi Ramakrishna  
**SIDDHARTHA ENGINEERING COLLEGE**

(Autonomous)

(Sponsors: Siddhartha Academy of General & Technical Education)

VIJAYAWADA-520007

VRSEC/CIVIL/CONSULT/CE 310117/3

06/02/2017

To  
Deputy Zonal Manager  
APIIC  
Industrial Park  
Vijayawada.

**TEST RESULTS OF WATER SAMPLE**

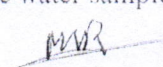
Sub: Test Results of water sample for drinking purpose – reg

Ref: Letter No. DZM(E)/APIIC/VJA/IP-MLVL/2016-17 dated 25.01.2017.

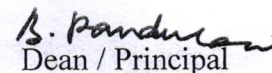
Sample 1: Bore well water sample

S. No.	Test Parameter	Desirable limit As per IS: 10500-2012	Test Results of water sample 1
1.	Appearance	---	Clear
2.	Odour	Unobjectionable	Unobjectionable
3.	Turbidity (NTU)	1	1.40
4.	Electrical Conductivity	---	1323 $\mu$ S/cm
5.	P <sup>H</sup> Value	6.5 to 8.5	6.60
6.	Total Dissolved solids	500 mg/l	765 mg/l
7.	Total Hardness	200 mg/l	465 mg/l
8.	Permanent Hardness	---	330 mg/l
9.	Temporary Hardness	---	135 mg/l
10.	Calcium as Ca	75 mg/l	122 mg/l
11.	Magnesium as Mg	30 mg/l	26 mg/l
12.	Chlorides as Cl	250 mg/l	350 mg/l
13.	Sulphates	200 mg/l	56 mg/l
14.	Fluorides	1.0 mg/l	0.70 mg/l
15.	Iron as Fe	0.3 mg/l	0.10 mg/l
16.	Manganese	0.1 mg/l	BDL
17.	Total Solids	---	780 mg/l
18.	Suspended Solids	---	15 mg/l
19.	Total Alkalinity	200 mg/l	228 mg/l
20.	Total Acidity	---	26 mg/l
21.	Total Fixed Solids	---	754 mg/l
22.	Total Volatile Solids	---	26 mg/l
23.	Coliforms	Absent (-ve)	+ ve

The above test results are applicable only for the sample received by us. BDL: Below detectable Level  
The water sample is not suitable for drinking purpose.

  
Dr. M. V. S. Raju

  
HOD, Civil

  
Dean / Principal

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