

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-N-1404

Date:- 03-03-2023

### NAME OF SITE

GRAM PANCHAYAT- Etawa      BLOCK- Mohammadpur Deomal  
DISTT- Bijnor

### NAME OF AGENCY

LC Infra Projects Pvt. Ltd.- TCEL(JV)  
Bijnor



## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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ISO 9001:2015

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ETAWA, BLOCK- MOHAMMADPUR DEOMAL, DISTT- BIJNOR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 145 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnor.

On the request of M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnor. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 03.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 25	10	Fine sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 74*	44	Medium sand	Med to Good
6.	74 - 77	3	Clay kankar	
7.	77 - 99*	22	Medium sand & kankar	Med to Good
8.	99 - 104	5	Clay kankar	
9.	104 - 125*	21	Medium sand & kankar	Med to Good
10.	125 - 145	20	Clay kankar	



**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 N I (RSN)  
 N 64 (LN)  
 LAT

Location: 145273 V. Ethana 5000  
 N. 64 m 2000 m Depth  
 Date: 03 Mar 2023  
 Time: 14:42  
 Operator:  
 Wire Diagram

SP

