

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 483

Date:- 28-12-2022

### NAME OF SITE

GRAM PANCHAYAT- Akbarpur Asha      BLOCK- Budhanpur      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- AKBARPUR ASHA, BLOCK- BUDHANPUR,  
DISTT- BIJNOR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 160 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 28.Dec.2022.

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	
3.	15 - 27	12	Medium sand & kankar	Good
4.	27 - 32	5	Clay kankar	
5.	32 - 46	14	Medium sand	Good
6.	46 - 50	4	Kankar	
7.	50 - 80*	30	Medium sand	Good
8.	80 - 87	7	Clay kankar	
9.	87 - 111*	24	Medium sand	Good
10.	111 - 117	6	Clay kankar	
11.	117 - 146*	29	Medium sand	Good
12.	146 - 150	4	Sandy clay	
13.	150 - 160	10	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 Good.
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



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Fluo a  
 N16(SM)  
 N164 (UH)  
 LAT  
 Location  
 Logging of Aquifer Area  
 Block Substation C-01  
 Block  
 Log No  
 CCWN 1000 91220204  
 C.A.#  
 23 Sep 2022  
 T. no  
 1 00 11  
 Controller  
 Water Supply  
 Dept.

