

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A- 347

Date:- 23-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Bhuapur Nathu      BLOCK- Alehpur      DISTT- Bijnor

**NAME OF AGENCY**

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



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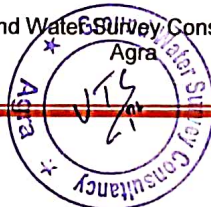
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BISHANPUR JATH, BLOCK- ALEHPUR, 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 23.April.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 - 10	5	Dry sand	
3.	10 - 15	5	Clay	
4.	15 - 36	21	Sand & kankar	
5.	36 - 45	9	Clay kankar	
6.	45 - 65	20	Fine sand	Medium
7.	65 - 88*	23	Medium sand	Medium
8.	88 - 91	3	Clay kankar	
9.	91 - 100*	9	Medium sand	Medium
10.	100 - 105	5	Clay kankar	
11.	105 - 107	2	Fine sand	Medium
12.	107 - 116	9	Clay kankar	
13.	116 - 150*	34	Medium sand	Medium
14.	150 - 155	5	Clay kankar	
15.	155 - 160*	5	Medium sand	Medium

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**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**



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Rho a  
 NI6 (SN)  
 NS4(LIN)  
 LAT  
 Logging Details  
 1077 V Battery Volt  
 5.00 Amps Current  
 47.000 NGS  
 23 Aug 2023  
 05:58  
 Project: Survey 1077  
 Logger's No  
 IG/S/03/21-22  
 Logger Model  
 DMP-L-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

