

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 284

Date:- 10-12-2022

### NAME OF SITE

GRAM PANCHAYAT- Kashmiri Abbunasarpur  
DISTT- Bijnor

BLOCK- Nethaur

### NAME OF AGENCY

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



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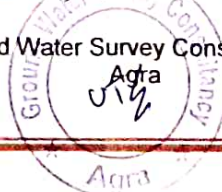
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KASHMIRI ABBUNASARPUR, BLOCK- NETHAUR,  
DISTT- BIJNOR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 150 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 10.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 - 9          | 4            | Dry sand             |                        |
| 3.    | 9 - 37         | 28           | Clay kankar          |                        |
| 4.    | 37 - 67*       | 30           | Medium sand          | Medium                 |
| 5.    | 67 - 72        | 5            | Clay kankar          |                        |
| 6.    | 72 - 93*       | 21           | Medium sand & kankar | Medium                 |
| 7.    | 93 - 99        | 6            | Clay kankar          |                        |
| 8.    | 99 - 107*      | 8            | Medium sand          | Medium                 |
| 9.    | 107 - 114      | 7            | Clay kankar          |                        |
| 10.   | 114 - 134*     | 20           | Medium sand          | Medium                 |
| 11.   | 134 - 150      | 16           | Clay kankar          |                        |

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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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Report  
 No. of Station: 800  
 Name of Station: 800  
 Date: 27/05/2018  
 Time: 11:30  
 Location: Wazirpur  
 State: Delhi  
 No. of Sheet: 1

Rhoe  
 H16(SM)  
 H54(LM)  
 LA1

SP

