

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 194

Date:- 01-12-2022

NAME OF SITE

**GRAM PANCHAYAT- Budhpur Nainsi
DISTT- Bijnor**

BLOCK- Kiratpur

NAME OF AGENCY

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

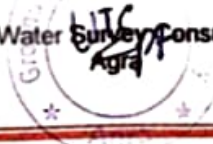


GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BUDHPUR NAINSI, BLOCK- KIRATPUR, 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 01.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 | Dry sand | |
| 3. | 15 - 26 | 11 | Fine sand | |
| 4. | 26 - 30 | 4 | Clay | Good |
| 5. | 30 - 60 | 30 | Fine sand | Good |
| 6. | 60 - 80* | 20 | Medium sand | |
| 7. | 80 - 85 | 5 | Clay kankar | |
| 8. | 85 - 100* | 15 | Fine to medium sand | Good |
| 9. | 100 - 111* | 11 | Medium sand | Good |
| 10. | 111 - 115 | 4 | Clay kankar | |
| 11. | 115 - 141* | 26 | Medium sand | Good |
| 12. | 141 - 145 | 4 | Clay kankar | |
| 13. | 145 - 150* | 5 | Medium sand | Good |
| 14. | 150 - 160 | 10 | Clay | |

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



Ground Water Survey Consultancy

No 2
 N16 (SX)
 N64(LN)
 LAT
 Loggong Soudipour
 Hauris Elok Soudipour
 Bumi Egnor
 10/Jan/2022
 21 Dec 2022
 22 25
 uti arsh gupri aji

