

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 486

Date:- 28-12-2022

NAME OF SITE

GRAM PANCHAYAT- Purshotampur

BLOCK- Kiratpur

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PURSHOTAMPUR, BLOCK- KIRATPUR, DISTT- BIJNOR
UNDER
JAL JIVAN MISSION

Introduction :

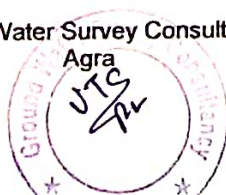
A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 160 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnor.

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 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 - 11	6	Clay kankar	
3.	11 - 35	24	Medium sand	Medium
4.	35 - 46	11	Clay kankar	
5.	46 - 62*	16	Medium sand	Medium
6.	62 - 67	5	Clay kankar	
7.	67 - 93*	26	Medium sand	Medium
8.	93 - 99	6	Clay kankar	
9.	99 - 107*	8	Medium sand	Medium
10.	107 - 112	5	Clay kankar	
11.	112 - 124*	12	Medium sand	Medium
12.	124 - 129	5	Clay kankar	
13.	129 - 144*	15	Medium sand & kankar	Medium
14.	144 - 149	5	Clay kankar	
15.	149 - 155*	6	Medium sand	Medium
16.	155 - 160	5	Sandy clay	

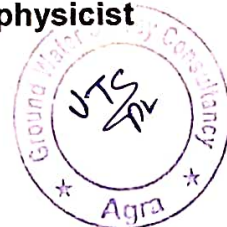
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Conclusions and Recommendations :-

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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Photo
 N 16(SN)
 N 64 (LN)
 LAT

Location
 Logging in Support of
 Backwater Dam River
 Sediment
 DOWN LOGGING
 SNA
 28 Dec 2012
 11:24
 Observer
 Project Data (P)
 Well Name

SP

