

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 874

Date:- 19-07-2022

NAME OF SITE

GRAM PANCHAYAT- Pipalsana

BLOCK- Jalilpur

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
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PIPALSANA, BLOCK- JALILPUR, DISTT- BIJNOR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 156 mtrs. depth. and Logged depth 154 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 19. September.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 - 25	15	Clay	
4.	25 - 30	5	Fine sand	
5.	30 - 35	5	Sandy Clay	
6.	35 - 45	10	Fine sand	
7.	45 - 55	10	Sandy Clay	
8.	55 - 70*	15	Fine to medium sand	Good
9.	70 - 85	15	Sand & kankar	
10.	85 - 100*	15	Medium sand	Good
11.	100 - 105	5	Clay kankar	
12.	105 - 137*	32	Medium sand	Good
13.	137 - 154	17	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 Good.
4. Expected discharge is 900 to 1000 L.P.M.
5. 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.
6. 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.

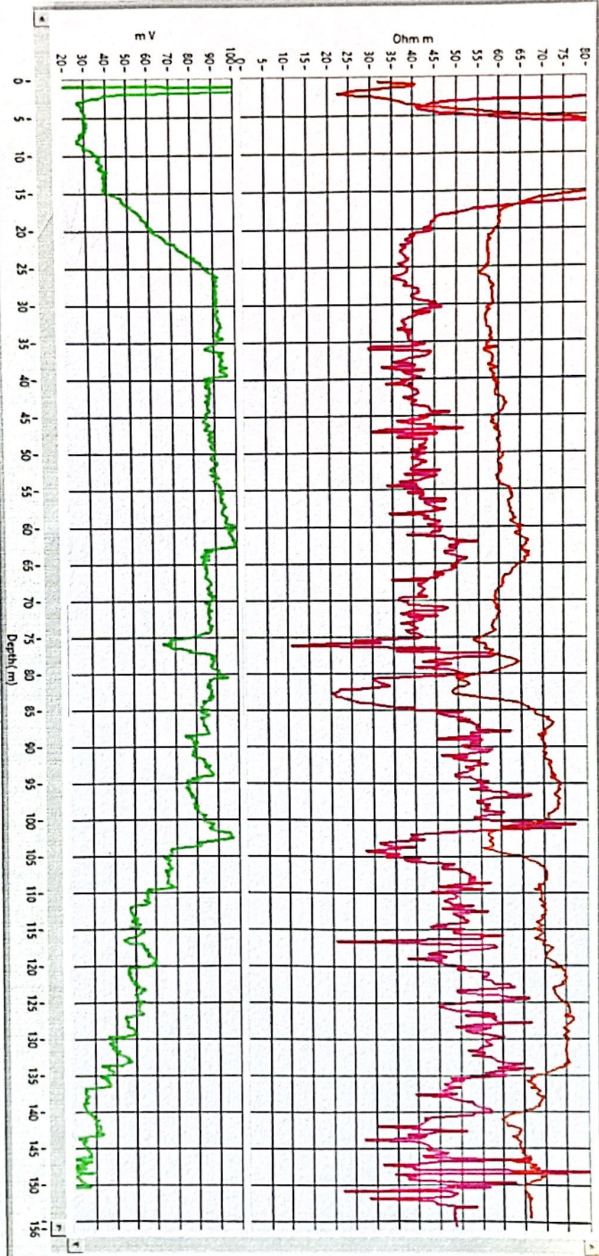
Geophysicist



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Bha 4
 N16/SN0
 N64/U4
 LAT

Location: Bha 4
 Block: Bha 4
 U.I. (Bha 4)
 Date: 12/11/2022
 Time: 11:11
 Operator: S. S. S.
 No. of Shot: 1



SP

