

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-150

Date:- 20-04-2023

NAME OF SITE

GRAM PANCHAYAT- Raipur Khadar

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- RAIPUR KHADAR, BLOCK- JALILPUR,
DISTT- BIJNOR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 158 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 20.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 - 20	15	Fine to Medium sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 48	23	Medium sand & kankar	Good
5.	48 - 54	6	Clay kankar	
6.	54 - 80*	26	Medium sand	Good
7.	80 - 83	3	Clay kankar	
8.	83 - 88	5	Fine sand	Good
9.	88 - 98	10	Clay kankar	
10.	98 - 123*	25	Medium sand & kankar	Good
11.	123 - 130	7	Clay kankar	
12.	130 - 146*	16	Medium sand	Good
13.	146 - 150	14	Clay kankar	
14.	150 - 155*	5	Fine to Medium sand	Good
15.	155 - 158	3	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. 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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Rno a
NIS(SV)
NSQ(LN)
LAT

Logger Details
2003 24 Aug 2008
2003 24 Aug 2008
18 14

Logger No
IGIS/S/03/21-22

Logger Model
DMP L-2
Logger Owned by
GROUND WATER
SURVEY
CONSULTANCY
- AGRA INDIA

