

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 417

Date:- 08-05-2023

NAME OF SITE

GRAM PANCHAYAT- Fatanpur BLOCK- Mohammadpur Deomal
DISTT- Bijnor

NAME OF AGENCY

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



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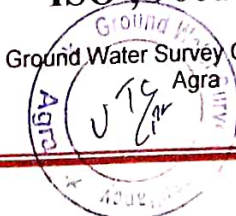
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FATANPUR, BLOCK- MOHAMMADPUR DEOMAL,
DISTT- BIJNOR
UNDER
JAL JIVAN MISSION

Introduction :

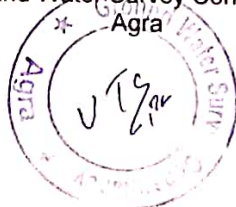
A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 141 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnor.

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 08.May.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 - 15	10	Fine sand	
3.	15 - 25	10	Clay kankar	
4.	25 - 45	20	Fine to Medium sand	Good
5.	45 - 50	5	Clay kankar	
6.	50 - 77*	27	Medium sand	Good
7.	77 - 82	5	Clay kankar	
8.	82 - 106*	24	Medium sand	Good
9.	106 - 111	5	Clay kankar	
10.	111 - 130*	19	Medium sand	Good
11.	130 - 141	11	Clay kankar	

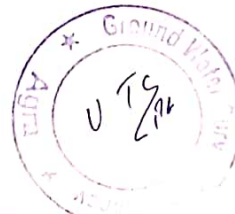
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Conclusions and Recommendations :-

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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Rho a

- N16 (SN)
- N64(LN)
- LAT

logging vi faranpur
block
mohammadpur distt
bijnor
LOGGINGDOWN
08 May 2023
14:03
utk arsh gupta
mishra

SP (m V)

