

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 218

Date:- 04-12-2022

NAME OF SITE

GRAM PANCHAYAT- Rampur

BLOCK- Nethaur

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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Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAMPUR, BLOCK- NETHAUR, 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 04.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 - 9	4	Dry sand	
3.	9 - 15	6	Clay kankar	
4.	15 - 25	10	Fine to Medium sand	Good
5.	25 - 30	5	Clay kankar	
6.	30 - 55	25	Medium sand	Good
7.	55 - 57	2	Clay kankar	
8.	57 - 65*	8	Medium sand	Good
9.	65 - 70	5	Clay kankar	
10.	70 - 77*	7	Medium sand	Good
11.	77 - 83	6	Clay kankar	
12.	83 - 91*	8	Medium sand	Good
13.	91 - 98	7	Clay kankar	
14.	98 - 125*	27	Medium sand	Good
15.	125 - 127	2	Kankar	
16.	127 - 136*	9	Fine to Medium sand	Good
17.	136 - 146	10	Sandy clay	
18.	146 - 160	14	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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Loggung vi rampur
blok nethaur dist
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04 Dec 2022
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Rho a
N16 (SN)
N64(LN)
LAT

SP (m V)

