

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2657

Date:- 18-12-2023

NAME OF SITE

GRAM PANCHAYAT- Nangal

BLOCK- Chhaprauli

DISTT- Baghpat

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.
Baghpat



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- NANGAL, BLOCK- CHHAPRAULI, DISTT- BAGHPAT
UNDER
JAL JIVAN MISSION

Introduction :

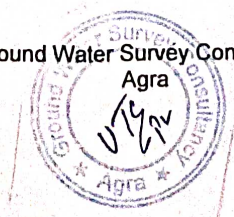
A Deep bore hole was drilled 133 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Baghpat.

On the request of M/s LC Infra Projects Pvt. Ltd., Baghpat. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.Dec.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:-

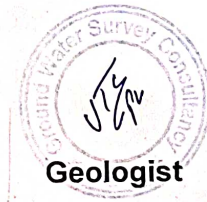
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 20	5	Fine sand	
4.	20 - 22	2	Kankar	
5.	22 - 30	8	Fine to Medium sand	Medium
6.	30 - 40	10	Clay kankar	
7.	40 - 45	5	Medium sand	Medium
8.	45 - 50	5	Clay kankar	
9.	50 - 70*	20	Medium sand	Medium
10.	70 - 75	5	Clay kankar	
11.	75 - 80*	5	Fine to Medium sand	Medium
12.	80 - 85	5	Clay kankar	
13.	85 - 90*	5	Medium sand	Medium
14.	90 - 110	20	Clay kankar	
15.	110 - 122*	12	Medium sand	Medium
16.	122 - 130	8	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 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.



Rho a
 Nit6 (SN)
 NS4(LN)
 LAT
 Logging Details
 Logging Date: 01/10/11
 Logging Time: 11:20:03
 Logging Location: 19.41
 Logging Station: 19.41

Logger St No: IGS/S/01/10-11

Logger Model: SP (m V)
 DMP L-2

Logger Owned By: Ground Water Survey Constancy Agra UP India

