

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 428

Date:- 22-06-2022

**NAME OF SITE**

Gram Panchayat- Laxmanpur

BLOCK- Kalan

DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

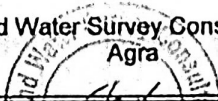
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- LAXMANPUR, BLOCK- KALAN, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.June.2022.

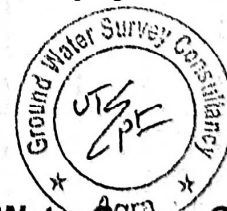
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 18	8	Fine sand	
4.	18 - 25	7	Clay kankar	
5.	25 - 31	6	Fine to Medium sand	Good
6.	31 - 36	5	Clay kankar	
7.	36 - 42	6	Fine to Medium sand	Good
8.	42 - 50	8	Clay kankar	
9.	50 - 60*	10	Medium sand	Good
10.	60 - 75	15	Clay kankar	
11.	75 - 88*	13	Medium sand	Good
12.	88 - 100	12	Clay kankar	
13.	100 - 117*	17	Medium sand	Good
14.	117 - 121	4	Clay kankar	
15.	121 - 129*	8	Fine to Medium sand	Good
16.	129 - 138	9	Clay kankar	

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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**



**Ground Water Survey Consultancy**

Rho a  
 NI6(SN)  
 NS4(LN)  
 LAT

Logging VI  
 Lamnampur Block  
 Kalan Distt  
 Shahjahanpur  
 LOGGII/GUP  
 22 Jun 2022  
 13:03  
 Utkarsh Gupta (K)

SP (m V)

