

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 334

Date:- 04-06-2022

**NAME OF SITE**

Gram Panchayat- Sikharpur      BLOCK- Jaitipur      DISTT- Shahjahanpur

**NAME OF AGENCY**

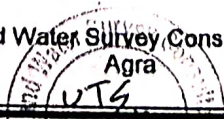
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
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- SIKHARPUR, BLOCK- JAIPUR  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

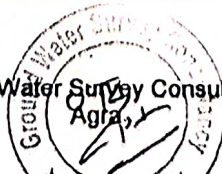
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.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 - 35	30	Fine to Medium sand	
3.	35 - 40	5	Clay kankar	
4.	40 - 65*	25	Medium sand	Good
5.	65 - 70	5	Clay kankar	
6.	70 - 82*	12	Medium sand & Kankar	Good
7.	82 - 87	5	Clay kankar	
8.	87 - 100*	13	Medium sand	Good
9.	100 - 105	5	Clay kankar	
10.	105 - 121*	16	Medium sand	Good
11.	121 - 140	19	Clay kankar	

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**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 1000 to 1100 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 s

M16 (SN)

N64(LN)

LAT

Logging GP  
Sikharpur Block:  
Jaitpur Distt  
Shahjahanpur  
LOGG11GUP  
04 Jun 2022  
16:41  
Utkarsh Gupta (AG)

SP (m V)

