

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 333

Date:- 04-04-2022

**NAME OF SITE**

Gram Panchayat- Batlailiya Maichak BLOCK- Tilhar DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

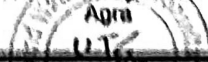
**Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.**

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**ISO ; 9001 ; 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BATLAIYA MAICHAK, BLOCK- TILHAR  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 132 mtrs. depth. and Logged depth 130 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 - 15	10	Fine sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 26	6	Sandy clay	
5.	26 - 30	4	Clay kankar	
6.	30 - 52*	22	Medium sand	Good
7.	52 - 59	7	Clay kankar	
8.	59 - 80*	21	Medium sand & Kankar	Good
9.	80 - 86	6	Clay kankar	
10.	86 - 96	10	Sand & Kankar	Good
11.	96 - 117	21	Clay kankar	
12.	117 - 130*	13	Medium sand	Good

**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 800 to 900 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)  
 NS4(LN)  
 LAT  
 Logging VI Baitajya  
 Maidhak: Block: Tilhar  
 Distt: Shahjahanpur  
 LOGGII/GUP  
 02 Jun 2022  
 12.55  
 Utkarsh Gupta (AG)

SP (mV)

