

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 364

Date:- 28-01-2022

**NAME OF SITE**

GRAM PANCHAYAT- Birahampur Jhaharia  
DISTT- Shahjanhapur

BLOCK- Banda

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjanhapur



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra  
JTL

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BIRAHAMPUR JHAJHARIA, BLOCK- BANDA  
DISTT- SHAHJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 125 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Jan.2022.

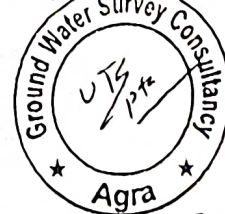
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 16	6	Clay kankar	
4.	16 - 25	9	Fine to Medium sand	Good
5.	25 - 30	5	Clay kankar	
6.	30 - 40	10	Medium sand	Good
7.	40 - 54	14	Clay kankar	
8.	54 - 90*	36	Medium sand	Good
9.	90 - 100	10	Clay kankar	
10.	100 - 110*	10	Medium sand & Kankar	Good
11.	110 - 115	5	Clay kankar	
12.	115 - 125*	10	Fine to 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 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**



Logging VI  
 birahampur jhajharia  
 block: banda dist  
 shahjahanpur  
 LOGGIIIGup  
 28 Jan 2022  
 TE 32  
 utkarsh gupta(w)

Rho a  
 NI6 (SN)  
 NS4(LN)  
 LAT

SP (m V)

