

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- N-1520

Date:- 18-03-2023

### NAME OF SITE

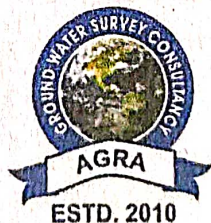
Gram Panchayat- Jallapur

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**

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JALLAPUR, BLOCK- JAIPUR, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 125 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 18.Mar.2023.

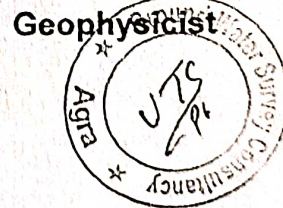
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Clay	
3.	13 - 25	12	Fine to Medium sand	Med to Good
4.	25 - 43	18	Medium sand	Med to Good
5.	43 - 47	4	Clay kankar	
6.	47 - 58*	11	Medium sand	Med to Good
7.	58 - 70	12	Clay kankar	
8.	70 - 88*	18	Medium sand	Med to Good
9.	88 - 102	14	Clay kankar	
10.	102 - 120*	18	Medium sand	Med to Good
11.	120 - 125	5	Clay kankar	



**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 to Good.
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.



**Ground Water Survey Consultancy**



Rho a  
 NI6 (SN)  
 NS4(QLN)  
 LAT  
 Logging Details:  
 Log File Name: 0000000000  
 Date of Entry: 18/05/2011  
 Log Code: NI6  
 Log No: 18 May 2011  
 Log ID: 0000000000  
 Log Date: 18/05/2011

Logger S. No.:  
 IGIS/S/O/1/10-11

Logger Name:  
 DMPL-2

Logger Oversee by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA, INDIA

