

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

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

Ref No:- 775

Date:- 15-01-2023

**NAME OF SITE**

Gram Panchayat- Noorpur Karhi

BLOCK- Jalalabad

DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

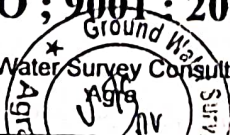
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

RAM PANCHAYAT- NOORPUR KARHI, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 15.Jan.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 - 10	5	Fine to Medium sand	
3.	10 - 18	8	Clay kankar	
4.	18 - 25	7	Fine to Medium sand	Medium
5.	25 - 30	5	Clay kankar	
6.	30 - 65*	35	Medium sand & kankar	Medium
7.	65 - 70	5	Clay kankar	
8.	70 - 75*	5	Fine to Medium sand	Medium
9.	75 - 78	3	Clay kankar	
10.	78 - 80	2	Fine to Medium sand	Medium
11.	80 - 92	12	Clay kankar	
12.	92 - 98*	6	Medium sand	Medium
13.	98 - 103	5	Clay kankar	
14.	103 - 113*	10	Medium sand	Medium
15.	113 - 120	7	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.
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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 N 16(S/N)  
 N 64 (LN)  
 LAT

Location:  
 Logging VI  
 Hoorpur Karhi  
 Block: Jalabhad  
 Distt:  
 Shahjahanpur  
 Log No.:  
 LOGGITGup  
 Date: 15 Jan 2023  
 Time: 11:35  
 Observer:  
 Utkarsh Gupta (NS)  
 Well Depth:

SP

