

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 759

Date:- 02-06-2023

**NAME OF SITE**

GRAM PANCHAYAT- Biharpur Mudiya BLOCK- Tilhar DISTT- Shahjahanpur

**NAME OF AGENCY**

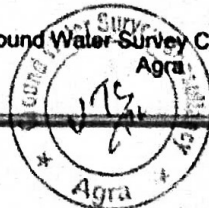
M/s NCC Ltd.  
Shahjahanpur



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

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BIHARPUR MUDIYA, BLOCK- TILHAR,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

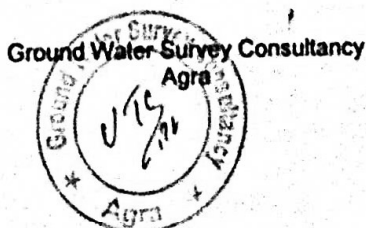
## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 115 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 02.May.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	Fine sand	
3.	13 - 20	7	Clay kankar	
4.	20 - 30	10	Fine to Medium sand	Good
5.	30 - 35	5	Clay kankar	
6.	35 - 48	13	Medium sand	Good
7.	48 - 55	7	Clay kankar	
8.	55 - 65*	10	Medium sand	Good
9.	65 - 70	5	Clay kankar	
10.	70 - 77*	7	Fine to Medium sand	Good
11.	77 - 83	6	Clay kankar	
12.	83 - 100*	17	Medium sand	Good
13.	100 - 105	5	Clay kankar	
14.	105 - 113*	8	Fine to Medium sand	Good
15.	113 - 115	2	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 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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rhos  
 N16 (SN)  
 NS4(LN)  
 LAT  
 Logging Details  
 Logging Station No.  
 Project No.  
 Date  
 Location  
 Date  
 Name

Logger S No.  
 KGS/S/02/22-23

SP (m V)

Logger Name  
 DMR-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

