

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-1484

Date:- 10-08-2023

**NAME OF SITE**

GRAM PANCHAYAT- Jaswantapur      BLOCK- Powayan      DISTT- Shahjahanpur

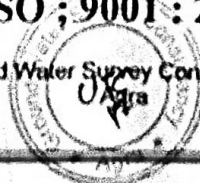
**NAME OF AGENCY**

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**  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JASWANTAPUR, BLOCK- POWAYAN,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

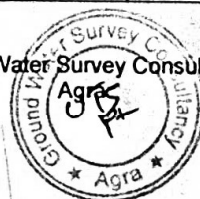
A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Aug.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	Clay kankar	
3.	10 - 22	12	Sand & kankar	
4.	22 - 27	5	Clay kankar	
5.	27 - 29	2	Fine sand	
6.	29 - 32	3	Clay kankar	
7.	32 - 42	10	Fine to Med sand & kankar	Med to Good
8.	42 - 48	6	Clay kankar	
9.	48 - 52*	4	Fine to Medium sand	Med to Good
10.	52 - 60	8	Clay kankar	
11.	60 - 71*	11	Medium sand	Med to Good
12.	71 - 75	4	Clay kankar	
13.	75 - 81*	6	Medium sand	Med to Good
14.	81 - 90	9	Clay kankar	
15.	90 - 100*	10	Medium sand	Med to Good
16.	100 - 104	4	Clay kankar	
17.	104 - 106	2	Fine sand	Med to Good
18.	106 - 110	4	Clay kankar	

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**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.

**Geophysicist**



**Ground Water Survey Consultancy**

Sheet No. 1  
N16 ESN  
N64 QIN  
LAT

Logging Details  
Date of Logging: 11 Aug 2013  
Location: ...  
Project: ...

Logger's No.  
KGS/S/01/21-22

Scale: 50 (m V)

Logger's Name: DMS/2  
Ground Water Survey Consultancy  
Agua, UP, India

