

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 979

Date:- 17-06-2023

**NAME OF SITE**

GRAM PANCHAYAT- Gulda & Naugawan      BLOCK- Bhawalkhera  
DISTT- Shahjahanpur

**NAME OF AGENCY**

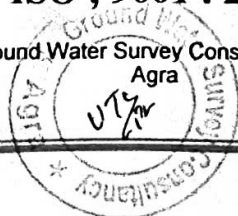
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GULDA & NAUGAWAN, BLOCK- BHAWALKHERA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

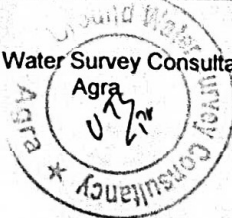
A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.June.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:-

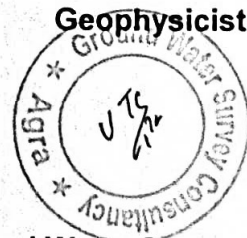
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 23	8	Fine sand	Good
5.	23 - 39	16	Clay kankar	
6.	39 - 45	6	Fine to Medium sand	Good
7.	45 - 48	3	Clay kankar	
8.	48 - 57*	9	Medium sand	Good
9.	57 - 60	3	Clay kankar	
10.	60 - 81*	21	Medium sand	Good
11.	81 - 90	9	Clay kankar	
12.	90 - 103*	13	Medium sand	Good
13.	103 - 110	7	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 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.



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Rio a  
 N16 (SN)  
 N64(LN)  
 LAT

Logging Details  
 V. Gupta & Nandkumar  
 Eco-Resource & Env. Dip.  
 Dept. of Geo. Engg.  
 DCEM, IIT Kanpur  
 11/07/2013  
 13:05  
 Unnao, G. Pratap (SC)

logger S No  
 IGS/S/01/10-11

SP (m V)

logger Model  
 DMPL-2

logger Owned by  
 Ground Water  
 Survey Consultancy  
 Agra UP India  
 India

