

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 15

Date:- 06-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Muria Chhawan      BLOCK- Banda      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- MURIA CHHAWAN, BLOCK- BANDA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

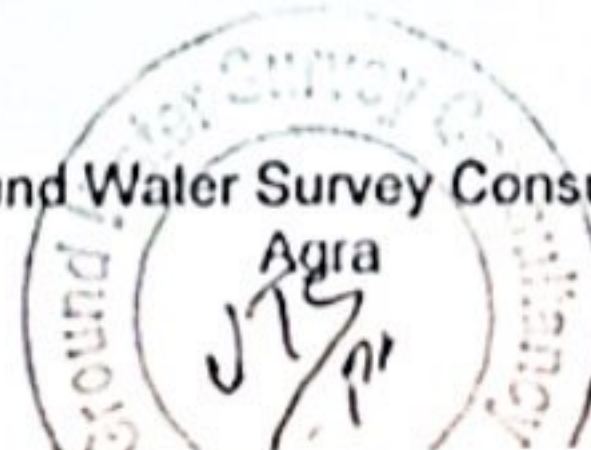
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.April.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	Clay kankar	
3.	8 - 12	4	Fine sand	
4.	12 - 21	9	Clay kankar	
5.	21 - 27	6	Fine to Medium sand	Good
6.	27 - 31	4	Clay kankar	
7.	31 - 42	11	Medium sand	Good
8.	42 - 47	5	Clay kankar	
9.	47 - 75*	28	Medium sand & kankar	Good
10.	75 - 80	5	Clay kankar	
11.	80 - 83	3	Fine sand	Good
12.	83 - 100	17	Clay kankar	
13.	100 - 108*	8	Fine to Medium sand	Good
14.	108 - 111	3	Clay kankar	
15.	111 - 120*	9	Medium sand	Good

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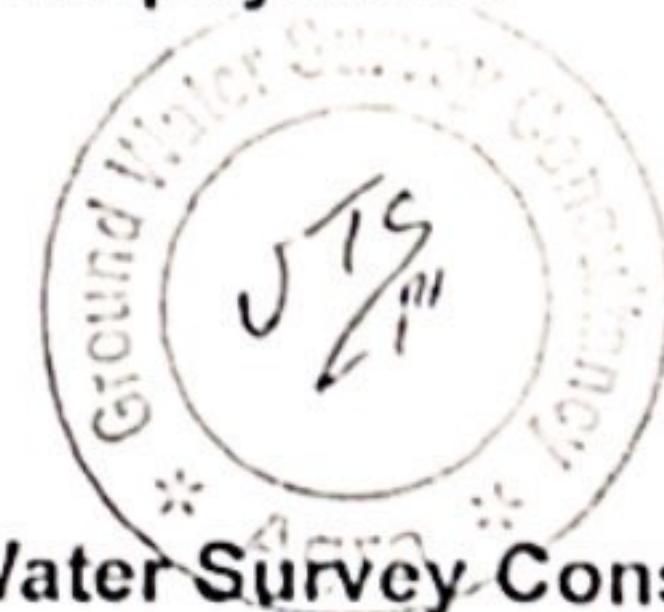




**Conclusions and Recommendations :-**

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.

**Geophysicist**



**Ground Water Survey Consultancy**



No. 1  
 N16 (SN)  
 N54 (LN)  
 LAT

Logging of Abuja  
 Chawan block  
 Banda distt  
 Shajapur  
 Locationdown  
 06 April 2023  
 12.29  
 uttarsh gupta  
 (arvind)

SP (mV)

