

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A- 212

Date:- 12-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Chak Bhitara 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.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAK BHITARA, BLOCK- BHAWALKHERA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 125 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

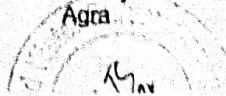
On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 12.April.2023.

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 - 15         | 10           | Clay kankar         |                        |
| 3.    | 15 - 34        | 9            | Medium sand         | Med to Good            |
| 4.    | 34 - 36        | 2            | Clay kankar         |                        |
| 5.    | 36 - 53*       | 17           | Medium sand         | Med to Good            |
| 6.    | 53 - 62        | 9            | Clay kankar         |                        |
| 7.    | 62 - 94*       | 32           | Medium sand         | Med to Good            |
| 8.    | 94 - 100       | 6            | Clay kankar         |                        |
| 9.    | 100 - 110*     | 10           | Medium sand         | Med to Good            |
| 10.   | 110 - 119      | 9            | Clay kankar         |                        |
| 11.   | 119 - 125*     | 6            | Fine to Medium sand | Med to Good            |

Ground Water Survey Consultancy

Agra



**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**

Box  
N16(S/N)  
N64(L/N)  
LAT

Logging Details:  
LOG # 02-C-13-22  
ELECTRODE SPACING  
100 M  
CABLE NO. 100  
DATE 02-23-2011  
TIME 08:28 AM

Logger's No  
IGIS/DW/21-22

SP (m V)  
Logger's Name  
DMP-2

Logger Operated by  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA INDIA

