

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-B-3059

Date:- 11-02-2024

**NAME OF SITE**

**GRAM PANCHAYAT- Kutuapur Elaqua Saramau**  
**DISTT- Shahjahanpur**

**BLOCK- Bhawalkhera**

**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**



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUTUAPUR ELAQUA SARAMAU, 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 11.Feb.2024.

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 - 21        | 11           | Medium sand  | Med to Good            |
| 4.    | 21 - 29        | 8            | Kankar       |                        |
| 5.    | 29 - 47        | 18           | Medium sand  | Med to Good            |
| 6.    | 47 - 55        | 8            | Clay kankar  |                        |
| 7.    | 55 - 76*       | 21           | Medium sand  | Med to Good            |
| 8.    | 76 - 80        | 4            | Clay kankar  |                        |
| 9.    | 80 - 85*       | 5            | Medium sand  | Med to Good            |
| 10.   | 85 - 93        | 8            | Clay kankar  |                        |
| 11.   | 93 - 100*      | 7            | Medium sand  | Med to Good            |
| 12.   | 100 - 110      | 10           | Clay kankar  |                        |

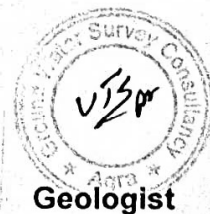
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### **Conclusions and Recommendations :-**

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.



Dho 4  
 N 16350  
 N 64 00  
 LAT

Location:  
 Lapangan V. Kuntur  
 Kecamatan Kuntur, Kota  
 Pekanbaru, Riau  
 Provinsi Riau  
 Indonesia  
 UTM Zone  
 11 N  
 UTM Easting  
 653

Date  
 11 Nov 2024  
 Time  
 10:25  
 Operator  
 Idris

Log No.  
 1635/01/22-23

Log Model  
 SP

Log No.  
 DAPL-2

Log Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, LP, INDIA

