

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

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 598

Date:- 08-03-2022

**NAME OF SITE**

GRAM PANCHAYAT- Rakhia Buzurg      BLOCK- Sindhauli  
DISTT- Shahjanhapur

**NAME OF AGENCY**

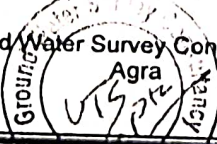
M/s NCC Ltd.  
Shahjanhapur



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAKHIA BUZURG, BLOCK- SINDHAULI  
DISTT- SHAHJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 111 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Mar.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 31	16	Medium sand	Good
4.	31 - 40	9	Clay kankar	
5.	40 - 49	9	Sandy clay	
6.	49 - 61*	12	Medium sand	Good
7.	61 - 65	4	Clay kankar	
8.	65 - 72*	7	Fine to Medium sand	Good
9.	72 - 82	10	Clay kankar	
10.	82 - 105*	23	Medium sand	Good
11.	105 - 110	5	Clay kankar	

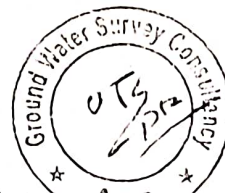
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**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 800 to 1000 L.P.M.
5. 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.
6. 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**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location :  
 Logging VI Rathia  
 Buzurg Block:  
 Sindhail Distt  
 Shahjshampur  
 Log No. :  
 LOGGIIIGDown  
 Date :  
 08 Mar 2022  
 Time :  
 15:36  
 Observer :  
 Utkarsh Gupta (A.G)  
 Well Depth :

SP

