

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

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

Ref No:- 386

Date:- 01-02-2022

**NAME OF SITE**

GRAM PANCHAYAT- Garhia Sareli      BLOCK- Kutar      DISTT- Shahjanhapur

**NAME OF AGENCY**

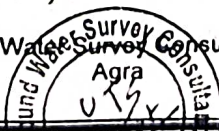
M/s NCC Ltd.  
Shahjanhapur



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

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- GARHIA SARELI, BLOCK- KUTAR, DISTT- SHAHJANHAPUR UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 01.Feb.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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 42	22	Fine to Medium sand	
4.	42 - 48	6	Clay kankar	
5.	48 - 58*	10	Medium sand	Good
6.	58 - 69	11	Clay kankar	
7.	69 - 91*	22	Medium sand	Good
8.	91 - 99	8	Clay kankar	
9.	99 - 115*	16	Medium sand	Good
10.	115 - 123	8	Clay kankar	
11.	123 - 130	7	Sandy clay	
12.	130 - 140	10	Clay kankar	

**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 1100 to 1200 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: Log 17 V. Ganga Sava  
 Block: Kar. Dist: Farakka  
 Log No: 17  
 Date: 01 Feb 2012  
 Time: 10:44  
 Operator: Suman Ghose JS  
 Well Depth:

SP  
