

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 574

Date:- 04-03-2022

NAME OF SITE

GRAM PANCHAYAT- Bhartapur      BLOCK- Nigohi      DISTT- Shahjanhapur

NAME OF AGENCY

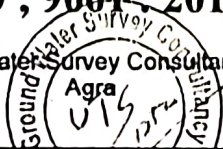
M/s NCC Ltd.  
Shahjanhapur



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

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHARTAPUR, BLOCK- NIGOHI, DISTT- SHAHJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 121 mtrs. depth. and Logged depth 120 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 04.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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Fine sand	
3.	14 - 16	2	Clay kankar	
4.	16 - 30	14	Fine to Medium sand	Good
5.	30 - 41	11	Clay kankar	
6.	41 - 60*	19	Fine to Medium sand	Good
7.	60 - 65	5	Clay kankar	
8.	65 - 72*	7	Medium sand	Good
9.	72 - 80	8	Clay kankar	
10.	80 - 106*	26	Medium sand	Good
11.	106 - 111	5	Clay kankar	
12.	111 - 120*	9	Medium sand	Good

**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 1000 to 1100 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**

Logging VI  
 Bhatapur Block:  
 Hagehi Dist  
 Shahjhanpur  
 LOGGIIIGUP  
 04 Mar 2022  
 22.27  
 Utharash Gupta (LG)

Rho a  
 N16 (SN)  
 N64(LN)  
 LAT

SP (m V)

