

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 268

Date:- 30-12-2021

NAME OF SITE

GRAM PANCHAYAT- Gori Khera BLOCK- Khudaganj 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- GORI KHERA, BLOCK- KHUDAGANJ  
DISTT- SHAHJANHAPUR  
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., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Dec.2021.

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 - 10	5	Fine sand	
3.	10 - 35	25	Sandy clay	
4.	35 - 46	11	Fine sand	Med. to Good
5.	46 - 50	4	Clay kankar	
6.	50 - 60*	10	Fine to Medium sand	Med to Good
7.	60 - 62	2	Clay kankar	
8.	62 - 95*	33	Fine to Medium sand	Med. to Good
9.	95 - 100	5	Clay kankar	
10.	100 - 110*	10	Fine to Medium sand	Med. to 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 Medium to 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.



**Ground Water Survey Consultancy**



Rho a  
 N16 (SN)  
 NS4(LN)  
 LAT  
 Logging VI gori khera  
 block khudaganj/ dst  
 shahjahanpur  
 LOGGINGUP  
 30 Dec 2021  
 14.43  
 utkarsh guptan

