

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

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

Ref No:- 376

Date:- 14-06-2022

**NAME OF SITE**

Gram Panchayat- Bhatpura Mishr

BLOCK- Nigohi

DISTT- Shahjahanpur

**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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHATPURA MISHR, BLOCK- NIGOHI  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 132 mtrs. depth. and Logged depth 130 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 14.June.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 - 15	10	Clay kankar	
3.	15 - 28	13	Medium sand	Good
4.	28 - 43	15	Clay kankar	
5.	43 - 50*	7	Medium sand	Good
6.	50 - 58	8	Clay kankar	
7.	58 - 66*	8	Medium sand	Good
8.	66 - 80	14	Clay kankar	
9.	80 - 94*	14	Medium sand	Good
10.	94 - 105	11	Clay kankar	
11.	105 - 113*	8	Medium sand	Good
12.	113 - 119	6	Clay kankar	
13.	119 - 122*	3	Fine to Medium sand	Good
14.	122 - 130	8	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 900 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**

Rhos  
 M6 (SM)  
 M6(LH)  
 LAT

14231 N.V. Dijkgraaf Buis  
 Hoop, Dijkgraaf  
 US-CCNARS  
 14.00.1111  
 07.25  
 Longitude: 6.521140

SP (m V)

