

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-B- 663

Date:- 27-05-2023

NAME OF SITE

GRAM PANCHAYAT- Lohargawa      BLOCK- Nigohi      DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.  
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY  
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ISO ; 9001 : 2015

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 27.May.2023.

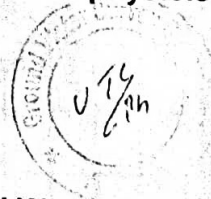
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Fine sand	
3.	8 - 13	5	Clay kankar	
4.	13 - 34	21	Fine to Medium sand	Good
5.	34 - 42	8	Clay kankar	
6.	42 - 72*	30	Medium sand & kankar	Good
7.	72 - 87	15	Clay kankar	
8.	87 - 92*	5	Fine to Medium sand	Good
9.	92 - 95	3	Clay kankar	
10.	95 - 98	3	Fine sand	Good
11.	98 - 108	10	Clay kankar	
12.	108 - 114*	6	Fine to Medium sand	Good
13.	114 - 120	6	Clay kankar	

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata 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. 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.
5. 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**

Report No. 1  
 NITD SX  
 NAGALIN  
 LAT  
 Survey Details  
 Date of Survey: 20/02/23  
 Location: NITD SX, NAGALIN  
 Survey No.: 1  
 Scale: 1:1000  
 Project No.: 1  
 Sheet No.: 1

