

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B- 760

Date:- 02-06-2023

NAME OF SITE

GRAM PANCHAYAT- And Khera & Khera Sanda
DISTT- Shahjahanpur

BLOCK- Nigohi

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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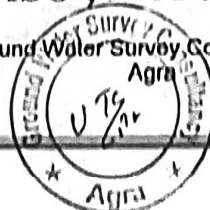
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AND KHERA & KHERA SANDA, BLOCK- NIGOHI,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 125 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 02.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 - 11	6	Fine sand	
3.	11 - 16	5	Clay kankar	
4.	16 - 30	14	Fine sand	Good
5.	30 - 35	5	Clay kankar	
6.	35 - 43	8	Fine to Medium sand	Good
7.	43 - 48	5	Clay kankar	
8.	48 - 57*	9	Medium sand	Good
9.	57 - 63	6	Clay kankar	
10.	63 - 70*	7	Fine to Medium sand	Good
11.	70 - 85	15	Clay kankar	
12.	85 - 111*	26	Medium sand & kankar	Good
13.	111 - 125	14	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



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B-1
 N16500
 N2400
 LAT

Logging Details
 Log No. 10000000
 Date 12/15/2013
 Location
 Project Name

Logger Site
 IGIS/02/22-23

Logger Model
 DMP1-2

Logger Owned by
 GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

