

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-2201

Date:- 17-11-2023

NAME OF SITE

GRAM PANCHAYAT- Ghanshyampur Khurd
DISTT- Shahjahanpur

BLOCK- Powayan

NAME OF AGENCY

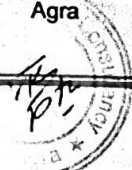
M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GHANSHYAMPUR KHURD, BLOCK- POWAYAN,
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 17.Nov.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 - 17	12	Fine to Medium sand	
3.	17 - 21	4	Clay kankar	
4.	21 - 26	5	Medium sand	Medium
5.	26 - 30	4	Clay kankar	
6.	30 - 40	10	Medium sand	Medium
7.	40 - 50	10	Clay kankar	
8.	50 - 68*	18	Medium sand	Medium
9.	68 - 73	5	Clay kankar	
10.	73 - 80*	7	Fine to Medium sand	Medium
11.	80 - 85	5	Clay kankar	
12.	85 - 96*	11	Medium sand	Medium
13.	96 - 102	6	Clay kankar	
14.	102 - 114*	12	Medium sand	Medium
15.	114 - 120	6	Clay kankar	

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Conclusions and Recommendations :-

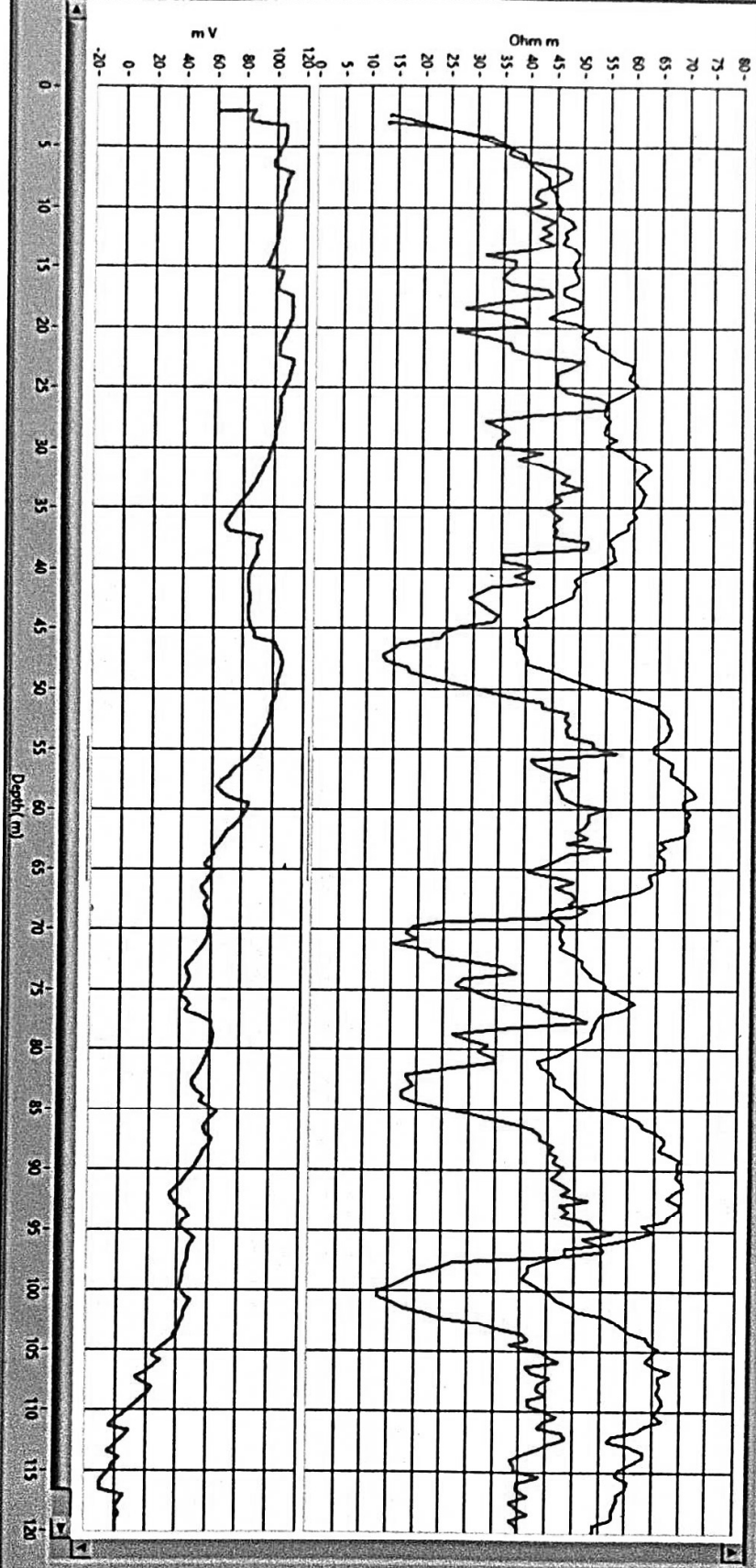
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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

B No 1
 N 1630N
 N 64 0N
 LAT
 Location: 100° 15' N
 64° 00' N
 Easternmost Point
 Foca, Svalbard Arch.
 Svalbard
 100° 15' N
 64° 00' N
 Date: 17 Nov 2022
 Time: 14:22
 Observer: Oleg Gurev (IS)
 Project Name: ISD
 Project No: 1635/01/21-22
 Project Title: K 9
 DMR-2
 Project Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, India



1635/01/21-22
 GROUND WATER SURVEY CONSULTANCY AGRA, UP, India