

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2041

Date:- 29-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Ramapur Nankari  
DISTT- Shahjahanpur

BLOCK- Bhawalkhera

**NAME OF AGENCY**

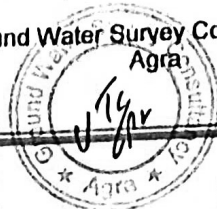
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAMAPUR NANKARI, BLOCK- BHAWALKHERA,  
DISTT- SHAHJAHANPUR  
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., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Oct.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 - 14	9	Clay	
3.	14 - 27	13	Medium sand	Medium
4.	27 - 31	4	Clay kankar	
5.	31 - 53*	22	Medium sand	Medium
6.	53 - 68	15	Clay kankar	
7.	68 - 70	2	Fine sand	Medium
8.	70 - 86	16	Clay kankar	
9.	86 - 102*	16	Medium sand	Medium
10.	102 - 104	2	Kankar	
11.	104 - 110*	6	Medium sand	Medium

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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**

Rho a  
N 16(S)N  
N 64 (LN)  
LAT

Location:  
Logging V. Kamper  
Hindost Road  
Punjabnagar Dist.  
Srinagar  
for No. 1  
UT (COCHIN)  
Date:  
27 Oct 2013  
Time:  
10:08  
Observer:  
Umapr Guza (CS)

Logger St No:  
IGIS/02/22-23

Logger Model:  
SP

Logger Owned by:  
DMD-2

GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, INDIA

