

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- A-355

Date:- 25-02-2023

**NAME OF SITE**

Gram Panchayat- Khamariya

BLOCK- Jaitipur

DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

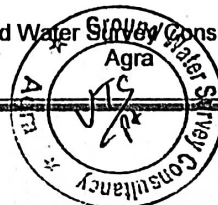
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHAMARIYA, BLOCK- JAIPUR, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

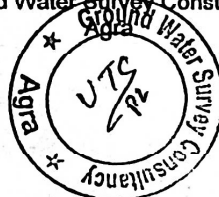
A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 152 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Feb.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 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	Medium
4.	15 - 22	7	Clay kankar	
5.	22 - 28	6	Fine to Medium sand	Medium
6.	28 - 32	4	Clay kankar	
7.	32 - 45	13	Medium sand	Medium
8.	45 - 48	3	Clay kankar	
9.	48 - 68*	20	Medium sand	Medium
10.	68 - 73	5	Clay kankar	
11.	73 - 108*	35	Medium sand & kankar	Medium
12.	108 - 112	4	Clay kankar	
13.	112 - 118*	6	Medium sand	Medium
14.	118 - 140	22	Clay kankar	
15.	140 - 151*	11	Medium sand	Medium
16.	151 - 152	1	Clay kankar	

Ground Water Survey Consultancy



**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 1  
 NI6 (SN)  
 N64(LN)  
 LAT

Logging VIKRAMAYA  
 Block: Jaitpur distt  
 Sahajhampur  
 LOGGINGDOWN  
 25 Feb 2023  
 13:17  
 Adarsh Gupta  
 (Arvind)

SP (m V)

