

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2172

Date:- 07-11-2023

NAME OF SITE

GRAM PANCHAYAT- Akbari BLOCK- Khudaganj Katra DISTT- Shahjahanpur

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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GIRAM PANCHAYAT- AKBARI, BLOCK- KHUDAGANJ KATRA, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtres. depth. and Logged depth 125 mtres. 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 07.Nov.2023.

Logging Para meters - Self potential, short normal (N-10), 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 - 25	20	Clay kankar	
3.	25 - 30	5	Medium sand	Medium
4.	30 - 35	5	Clay kankar	
5.	35 - 45	10	Medium sand	Medium
6.	45 - 51	6	Clay kankar	
7.	51 - 84*	33	Medium sand	Medium
8.	84 - 88	4	Clay kankar	
9.	88 - 97*	9	Medium sand	Medium
10.	97 - 102	5	Clay kankar	
11.	102 - 110*	8	Medium sand	Medium
12.	110 - 125	15	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



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 N 163 S 0
 N 64 Q N
 LAT

Location :
 Logging V. Adair Beck
 Durgapuri, Kaza Dist.
 Dist. Jhansi
 UP, India
 Date : 07 Nov 2013
 Time : 14:27
 Operator :
 Vikas Gupta (S)
 Well Name :

Logfile # No :
 IGS/S/02/22-23

Logfile Model :
 DMPL-2

Logfile Owned by :
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

