

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 969

Date:- 16-06-2023

NAME OF SITE

GRAM PANCHAYAT- Bans Khera

BLOCK- Kanth

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



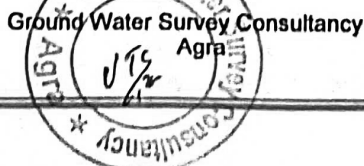
GROUND WATER SURVEY CONSULTANCY

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

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ISO : 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BANS KHERA, BLOCK- KANTH, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

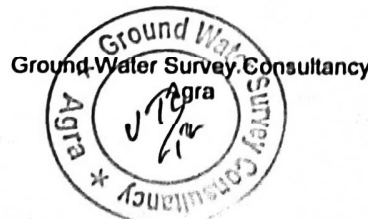
Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 135 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 16.June.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 - 24	13	Clay kankar	
4.	24 - 30	6	Fine to Medium sand	Good
5.	30 - 35	5	Clay kankar	
6.	35 - 70*	35	Medium sand & kankar	Good
7.	70 - 75	5	Clay kankar	
8.	75 - 81*	6	Fine to Medium sand	Good
9.	81 - 92	11	Clay kankar	
10.	92 - 111*	19	Medium sand & kankar	Good
11.	111 - 118	7	Clay kankar	
12.	118 - 130*	12	Medium sand	Good
13.	130 - 135	5	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



Ground Water Survey Consultancy

Rhio a
 N16 (SX)
 NS4Q10
 LAT
 Logging Details
 V-Beam Core Block
 L-Beam Core Sample
 UPLDGS NGS
 19 Jun 2013
 14 06
 Liberty Geosur (CC)

Logger S No: IG/S/07/10-11
 Logger Model: DMPL-2
 Logger Owned by: Ground Water Survey Consultancy Agra UP India

