

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HATHAURIA, BLOCK- BHAWALKHERA, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

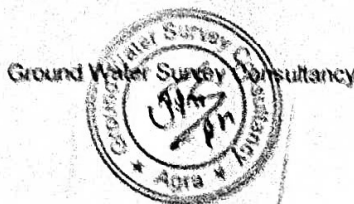
Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 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 20.Sep.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	Kankar	
3.	10 - 18	8	Clay kankar	
4.	18 - 27	9	Fine to Medium sand	Med to Good
5.	27 - 32	5	Clay kankar	
6.	32 - 41	9	Medium sand	Med to Good
7.	41 - 53	12	Clay kankar	
8.	53 - 55	2	Sandy clay	
9.	55 - 61	6	Clay kankar	
10.	61 - 63	2	Fine sand	Med to Good
11.	63 - 78	15	Clay kankar	
12.	78 - 96*	18	Medium sand	Med to Good
13.	96 - 118	22	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 Medium to 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

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TURBIDITY ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No: B-1579

Date: 19-08-2023

NAME OF SITE

GRAM PANCHAYAT- Hataura Buzurg
DISTT- Shahjahanpur

BLOCK- Bhawalkhera

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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