

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 867

Date:- 18-09-2022

NAME OF SITE

Gram Panchayat- Lalpur Imaliya BLOCK- Jalalabad 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

Ground Water Survey Consultancy

Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

RAM PANCHAYAT- LALPUR IMALIYA, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 137 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 18.Sep.2022.

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 - 17	12	Fine sand	
3.	17 - 23	6	Clay kankar	
4.	23 - 42	19	Medium sand & kan.	Good
5.	42 - 60	18	Clay kankar	
6.	60 - 70*	10	Medium sand	Good
7.	70 - 95	25	Clay kankar	
8.	95 - 130*	35	Fine to medium sand & kan.	Good
9.	130 - 137	7	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

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- N16 (SN)
- N64(LN)
- LAT

Logging VI Lalpur
 Jashyga Flood
 Jhalabhad Distt
 Shahjahanpur
 LOGGERSGUP
 15 SEP 2022
 13.21
 Uttamish Gupta (G)

SP (m V)

