

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1390

Date:- 17-12-2022

NAME OF SITE

Gram Panchayat- Sikenderpur Afghan 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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Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SIKENDERPUR AFGHAN, BLOCK- JALALABAD,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 155 mtrs. depth. and Logged depth 150 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 17.Dec.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 - 19	14	Fine sand	
3.	19 - 22	3	Clay kankar	
4.	22 - 30	8	Medium sand	Good
5.	30 - 35	5	Clay kankar	
6.	35 - 40	5	Medium sand	Good
7.	40 - 45	5	Clay kankar	
8.	45 - 67*	22	Medium sand	Good
9.	67 - 70	3	Clay kankar	
10.	70 - 82*	12	Medium sand	Good
11.	82 - 91	9	Clay kankar	
12.	91 - 113*	22	Medium sand	Good
13.	113 - 126	13	Clay kankar	
14.	126 - 135*	9	Fine to Medium sand	Good
15.	135 - 150	15	Clay	

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

Report of Laboratory
 Analysis of Soil Samples
 Date of Report: 12/12/2012
 Project Name: ...
 Location: ...

- Photo a
- N16 (SN)
 - NS4 (LN)
 - LA1

SP (m V)

