

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1242

Date:- 31-07-2023

NAME OF SITE

**GRAM PANCHAYAT- Ajjipur Taluka Naugawan
DISTT- Shahjahanpur**

BLOCK- Dadrol

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

GRAM PANCHAYAT- AJIJPUR TALUKA NAUGAWAN, BLOCK- DADROL,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

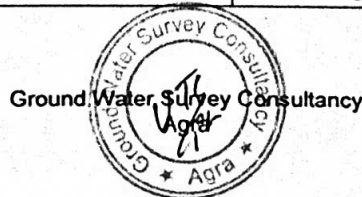
Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 31.July.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	Clay kankar	
3.	11 - 26	15	Medium sand	Medium
4.	26 - 32	6	Clay kankar	
5.	32 - 45	13	Medium sand	Medium
6.	45 - 48	3	Clay kankar	
7.	48 - 54*	6	Medium sand	Medium
8.	54 - 60	6	Clay kankar	
9.	60 - 70	10	Fine sand	Medium
10.	70 - 86*	16	Medium sand	Medium
11.	86 - 90	4	Clay kankar	
12.	90 - 95*	5	Fine to Medium sand	Medium
13.	95 - 100	5	Clay kankar	
14.	100 - 108*	8	Medium sand	Medium
15.	108 - 120	12	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.
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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Sheet No. 1
 N 16 S N
 N 64 Q N
 LAT

Location
 Mapping of Agra
 Nagaraj Singh
 Date: 21/11/2023
 Time: 12:30
 Chapter: Unsat. Sat. (S)
 No. of Sheets: 08

Scale: 5 m
 IGSS/S/02/22-23

Ground Water
 Survey
 Consultancy
 Agra, UP, INDIA

