

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 340

Date:- 06-06-2022

**NAME OF SITE**

Gram Panchayat- Daranagar

BLOCK- Kalan

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DARANAGAR, BLOCK- KALAN  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth, 140 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 06.June.2022.

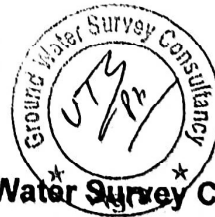
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Clay kankar	
3.	22 - 38	16	Medium sand	Good
4.	38 - 56	18	Clay kankar	
5.	56 - 88*	32	Medium sand	Good
6.	88 - 97	9	Clay kankar	
7.	97 - 102*	5	Fine to Medium sand	Medium
8.	102 - 108	6	Clay kankar	
9.	108 - 113*	5	Fine to Medium sand	Medium
10.	113 - 120	7	Clay kankar	
11.	120 - 123	3	Fine sand	Medium
12.	123 - 140	17	Clay kankar	

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 700 to 800 L.P.M.
5. 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.
6. 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**

Rho 2  
 NI (GSM)  
 NI (LN)  
 LAT

LOCATION  
 10000 V. Dargah  
 ROAD IN  
 DARGAH  
 DISTRICT  
 NO. 10  
 COORDINATE  
 28.10.00  
 75.10.00  
 10.00  
 10.00  
 10.00

SP

