

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 836

Date:- 14-09-2022

**NAME OF SITE**

Gram Panchayat- Doshpur

BLOCK- Mirzapur Kalan

DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DOSHPUR, BLOCK- MIRZAPUR KALAN  
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 14.Sep.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 - 14	9	Medium sand	
3.	14 - 20	6	Clay kankar	
4.	20 - 27	7	Fine to Medium sand	Medium
5.	27 - 31	4	Clay kankar	
6.	31 - 40	9	Fine sand	Medium
7.	40 - 50	10	Clay kankar	
8.	50 - 55	5	Fine sand	Marginally Saline
9.	55 - 65	10	Clay kankar	
10.	65 - 72*	7	Fine to Medium sand	Marginally Saline
11.	72 - 113	41	Clay kankar	
12.	113 - 117*	4	Fine to Medium sand	Marginally Saline
13.	117 - 137	20	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 Marginally Saline.
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**

