

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- N-908 ✓

Date:- 21-01-2023

NAME OF SITE

Gram Panchayat- Husainpur Daulatpur      BLOCK- Madnapur      DISTT- Shahjahanpur

NAME OF AGENCY

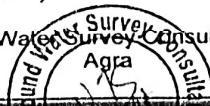
M/s NCC Ltd.  
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HUSAINPUR DAULATPUR, BLOCK- MADNAPUR,  
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 21.Jan.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 - 10	5	Dry sand	
3.	10 - 22	12	Fine sand	
4.	22 - 30	8	Clay kankar	
5.	30 - 45	15	Medium sand	Med to Good
6.	45 - 50	5	Clay kankar	
7.	50 - 96*	46	Medium sand	Med to Good
8.	96 - 108	14	Clay kankar	
9.	108 - 114	6	Sand & kankar	Med to Good
10.	114 - 120	6	Sandy 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 Medium to 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**

Rno 2  
NIG(SV)  
NSQ(LN)  
LAT

Logging 11  
Musampur  
Devalpur Block.  
Madanpur Dist.  
Sahjanagar  
100015down  
21 Jan 2003  
13.02  
Ullasra Gupta BSI

SP (mV)

