

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

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

RefNo:- 314

Date:- 15-01-2022

**NAME OF SITE**

GRAM PANCHAYAT- Awa BLOCK- Jaitipur DISTT- Shahjanhapur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjanhapur



**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  
Agra

Ground Water Survey Co.

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AWA, BLOCK- JAIPUR, DISTT- SHAHJANHAPUR  
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., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.Jan.2022.

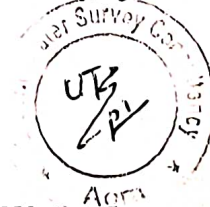
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 30	20	Fine to Medium sand	Good
4.	30 - 45	15	Clay kankar	
5.	45 - 60*	15	Medium sand	Good
6.	60 - 70	10	Clay kankar	
7.	70 - 96*	26	Medium sand	Good
8.	96 - 110	14	Clay kankar	
9.	110 - 125*	15	Medium sand	Good
10.	125 - 135	10	Clay kankar	
11.	135 - 140	5	Fine sand	Good

**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 Good.
4. Expected discharge is 1100 to 1200 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**

Rno 3

N 16(SM)  
N 64(LN)  
LAT

Location: ...  
Date: 15.08.2012  
Time: 13.31  
Operator: ...  
Area: ...  
Well Depth: ...

SP

