

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 630

Date:- 12-03-2022

**NAME OF SITE**

**GRAM PANCHAYAT- Bilandpur Gaddipur  
DISTT- Shahjanhapur**

**BLOCK- Sindhali**

**NAME OF AGENCY**

**M/s NCC Ltd.  
Shahjanhapur**

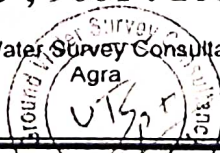


**GROUND WATER SURVEY CONSULTANCY**

**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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BILANDPUR GADDIPUR, BLOCK- SINDHAULI  
DISTT- SHAHJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

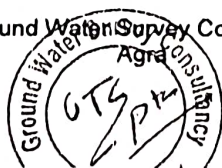
A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 143 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 12.Mar.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 - 40	35	Clay kankar	
3.	40 - 62*	22	Fine to Medium sand	Med. to Good
4.	62 - 100	38	Clay kankar	
5.	100 - 115*	15	Medium sand	Med. to Good
6.	115 - 117	2	Kankar	
7.	117 - 135*	18	Fine to Medium sand	Med. to Good
8.	135 - 143	8	Clay kankar	

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**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 1000 to 1100 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**

Area  
NISSAN  
NAGAI  
LAT

Station No. 100/100  
Date of Survey  
Scale of Survey  
Name of Surveyor  
Name of Engineer  
Name of Inspector

SP

