

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- 139

Date:- 25-04-2022

**NAME OF SITE**

Gram Panchayat- Bhagwant Nagar Fattepur Urf UB  
DISTT- Shahjahanpur

**BLOCK- Banda**

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

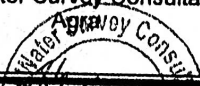
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHAGWANT NAGAR FATTEPUR URF UB  
BLOCK- BANDA, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

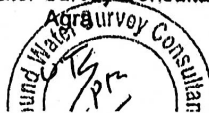
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Apr.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 - 25	20	Clay kankar	
3.	25 - 45	20	Sandy clay	
4.	45 - 53	8	Clay kankar	
5.	53 - 95*	42	Medium sand & Kankar	Med. to Good
6.	95 - 100	5	Clay kankar	
7.	100 - 111*	11	Medium sand	Med. to Good
8.	111 - 120	9	Clay kankar	
9.	120 - 138*	18	Medium sand	Med. to Good

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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**

Rho  $\rho$   
 N 16(SM)  
 N 64(LN)  
 LAT

LOCATION:  
 1595 2<sup>nd</sup> N. Highway  
 Nagerambattu/Vijay  
 ERODE DISTRICT  
 594724/1000  
 109700  
 DATE:  
 25.04.2011  
 TIME:  
 13:22  
 OPERATOR:  
 Lakshmi Ganesan

SP

