

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 280

Date:- 25-05-2022

**NAME OF SITE**

Gram Panchayat- Pipariya Usaibhanpur      BLOCK- Nigohi      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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PIPARIYA USAIBHANPUR, BLOCK- NIGOHI  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

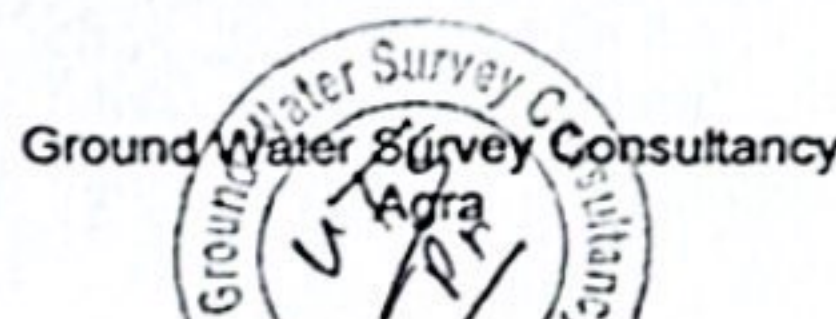
## Introduction :

A Deep bore hole was drilled 141 mtrs. depth. and Logged depth 140 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.May.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 - 20	15	Clay kankar	
3.	20 - 38	18	Fine to Medium sand	Good
4.	38 - 45	7	Clay kankar	
5.	45 - 63*	18	Medium sand	Good
6.	63 - 67	4	Clay kankar	
7.	67 - 82*	15	Medium sand	Good
8.	82 - 87	5	Kankar	
9.	87 - 95*	8	Medium sand	Good
10.	95 - 101	6	Clay kankar	
11.	101 - 110*	9	Medium sand	Good
12.	110 - 115	5	Clay kankar	
13.	115 - 130*	15	Medium sand	Good
14.	130 - 140	10	Clay kankar	





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 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**



Bno 2  
 NT6 SX  
 N6420  
 LAT

Logging CP Pijunja  
 Ushahapur Block  
 Rajgoh Dutt  
 Shantipur  
 10/08/2019  
 25 May 2019  
 12:17  
 Ushahapur (AG)

SP (mV)

