

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

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

Ref No:-A-2165

Date:- 06-11-2023

**NAME OF SITE**

GRAM PANCHAYAT- Ahmadnagar                      BLOCK- Bhawalkhera  
DISTT- Shahjahanpur

**NAME OF AGENCY**

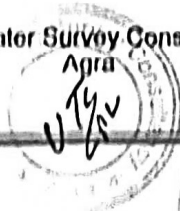
M/s NCC Ltd.  
Shahjahanpur



**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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AHMADNAGAR, BLOCK- BHAWALKHERA,  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

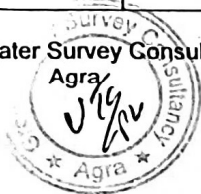
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Nov.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

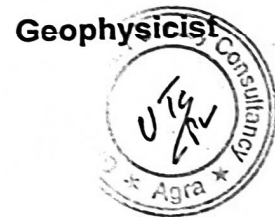
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Fine sand	
3.	17 - 22	5	Clay kankar	
4.	22 - 30	8	Fine sand & kankar	
5.	30 - 35	5	Clay kankar	
6.	35 - 41	6	Medium sand	Medium
7.	41 - 45	4	Clay kankar	
8.	45 - 50*	5	Medium sand	Medium
9.	50 - 57	7	Clay kankar	
10.	57 - 60	3	Fine sand	Medium
11.	60 - 64	4	Clay kankar	
12.	64 - 67	3	Fine sand	Medium
13.	67 - 79	12	Clay kankar	
14.	79 - 85*	6	Medium sand	Medium
15.	85 - 94	9	Clay kankar	
16.	94 - 100*	6	Fine to Medium sand	Medium
17.	100 - 103	3	Clay kankar	
18.	103 - 112*	9	Medium sand	Medium
19.	112 - 120	8	Clay kankar	
20.	120 - 135*	15	Medium sand	Medium
21.	135 - 140	5	Clay kankar	

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**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.
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.



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Rno 2  
 NIRSUN  
 N 64 RN  
 LAT

LOCATION:  
 Logg V. Amrangan  
 E. Co. Shikhar D. Co.  
 Surveyor:  
 Log No.  
 DOWN LOG NUMBER  
 Date  
 Of Nov 2012  
 Time  
 12:34  
 Observer:  
 Ushar G. Co. ICD  
 Well Depth:

Logg S No:  
 IGS/NO/22-23

Logg Model:  
 SP

DWPL 2

Logg Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

