

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2212

Date:- 25-10-2023

NAME OF SITE

GRAM PANCHAYAT- Bambara BLOCK- Bhuwalkhera DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

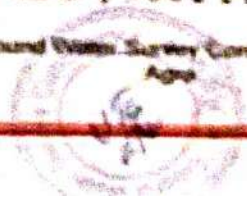


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- BANTARA, BLOCK- BHAWALKHERA, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

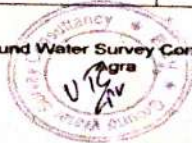
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Oct.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 - 15	10	Clay kankar	
3.	15 - 27	12	Medium sand	Medium
4.	27 - 33	6	Clay kankar	
5.	33 - 42	9	Medium sand	Medium
6.	42 - 48	6	Clay kankar	
7.	48 - 53*	5	Medium sand	Medium
8.	53 - 68	15	Clay kankar	
9.	68 - 71*	3	Fine to Medium sand	Medium
10.	71 - 75	4	Clay kankar	
11.	75 - 80*	5	Fine to Medium sand	Medium
12.	80 - 85	5	Clay kankar	
13.	85 - 90*	5	Fine to Medium sand	Medium
14.	90 - 93	3	Clay kankar	
15.	93 - 100*	7	Medium sand	Medium
16.	100 - 106	6	Clay kankar	
17.	106 - 111*	5	Medium sand	Medium
18.	111 - 120	9	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.

Geophysicist



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Page No. _____
 Date: 22/11/2022
 Project Name: _____
 Location: _____
 Client: _____
 Scale: _____
 Drawing No: _____
 Date: _____
 Drawn by: _____
 Checked by: _____
 Approved by: _____
 Project Manager: _____
 Surveyor: _____
 DMS No. _____
 Surveyed by: _____
 Ground Water Survey Constancy Agency, India

