

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2616

Date:- 14-12-2023

NAME OF SITE

GRAM PANCHAYAT- Badshah Nagar
DISTT- Shahjahanpur

BLOCK- Bhawalkhera

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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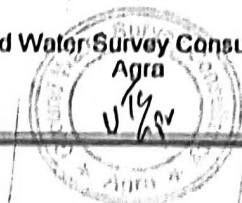
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- BAIDSHAH NAGAR, BLOCK- BHAWALKHERA,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction

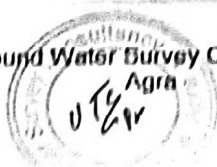
A Deep bore hole was drilled 130 metres. depth. and Logged depth 130 metres. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14.Dec.2023.

Logging Parameters - 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 - 8	3	Dry sand	
3.	8 - 20	12	Clay kankar	
4.	20 - 27	7	Medium sand	Medium
5.	27 - 32	5	Clay kankar	
6.	32 - 49	17	Medium sand	Medium
7.	49 - 57	9	Clay kankar	
8.	57 - 85*	28	Medium sand	Medium
9.	85 - 101	16	Clay kankar	
10.	101 - 110*	9	Medium sand	Medium
11.	110 - 117	7	Clay kankar	
12.	117 - 130*	13	Fine to Medium sand	Medium

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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.

Geologist



No. 2
 MIB (SRT)
 NAKHIND
 LAT

Logging Details
 For Karamnagar, Bihar
 Borehole No. 227
 Dr. S. K. Singh
 14 Dec 2022
 12:43
 UTM Zone 48Q UTM

UTM Zone No.
 48Q UTM
 1065501271-22

B
 25 (m V)
 Logger Model
 DMP-L-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP India

