

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

RefNo:-A-1176

Date:- 25-07-2023

NAME OF SITE

GRAM PANCHAYAT- Daulatpur BLOCK- Bhawalkhera DISTT- Shahjahanpur

NAME OF AGENCY

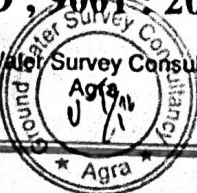
M/s NCC Ltd.
Shahjahanpur



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- DAULATPUR, BLOCK- BHAWALKHERA, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction

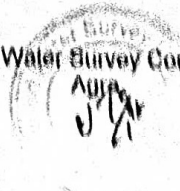
A Deep bore hole was drilled 120 mtrs. depth, and Logged depth 120 mtrs. at above site. Was drilled by M/S NGG Ltd., Shahjahanpur.

On the request of M/S NGG Ltd., Shahjahanpur, a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25 July 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	Clay	
3.	8 = 11	3	Fine sand	
4.	11 = 17	6	Clay kankar	
5.	17 = 31	14	Fine to Medium sand	Medium
6.	31 = 40	9	Clay kankar	
7.	40 = 55*	15	Medium sand	Medium
8.	55 = 83	28	Clay kankar	
9.	83 = 102*	19	Medium sand	Medium
10.	102 = 108	6	Clay kankar	
11.	108 = 120*	12	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.

Geophysicist



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Ring 2
N 16550
N 4100
LAT

Client:
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