

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 418

Date:- 20-06-2022

NAME OF SITE

Gram Panchayat- Chandora Bahadurpur
DISTT- Shahjahanpur

BLOCK- Madnapur

NAME OF AGENCY

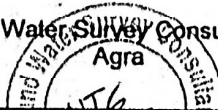
M/s NCC Ltd.
Shahjahanpur



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- CHANDORA BAHADURPUR, BLOCK- MADNAPUR
DISTT- SHAHJAHANPUR

UNDER JAL JIVAN MISSION

Introduction :

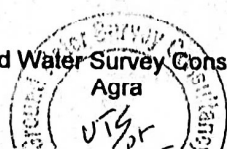
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 148 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.June.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 - 8	3	Fine sand	
3.	8 - 20	12	Sandy clay	
4.	20 - 30	10	Clay kankar	
5.	30 - 54*	24	Medium sand	Good
6.	54 - 60	6	Clay kankar	
7.	60 - 80*	20	Medium sand	Good
8.	80 - 84	4	Clay kankar	
9.	84 - 91*	7	Medium sand	Good
10.	91 - 96	5	Clay kankar	
11.	96 - 112*	16	Medium sand	Good
12.	112 - 137	25	Clay kankar	
13.	137 - 142*	5	Fine to Medium sand	Good
14.	142 - 148	6	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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



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File a
 N16 (SN)
 N6(LIN)
 LAT

LOG No V-BRANDED BOOK
 VARIOUS KEYS ON DTM
 SERIAL NO
 U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C.
 20540-5002
 14-24
 FORM 10-61 (10-5)

SP (mV)

