

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-505

Date:- 16-05-2023

NAME OF SITE

GRAM PANCHAYAT- Naroura & Thariya BLOCK- Mirzapur DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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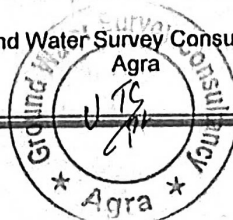
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAROURA & THARIYA, BLOCK- MIRZAPUR,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

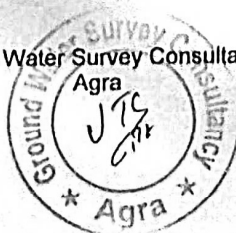
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.May.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 - 10	5	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 23	8	Fine sand	Medium
5.	23 - 26	3	Clay kankar	
6.	26 - 37	11	Fine to Medium sand	Medium
7.	37 - 53	16	Clay kankar	
8.	53 - 66*	13	Fine to Medium sand	Medium
9.	66 - 70	4	Clay kankar	
10.	70 - 81*	11	Fine to Medium sand	Medium
11.	81 - 85	4	Clay kankar	
12.	85 - 90	5	Fine sand	Medium
13.	90 - 100	10	Clay kankar	
14.	100 - 124*	24	Medium sand	Medium
15.	124 - 136	12	Clay kankar	
16.	136 - 140	4	Fine 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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Rho a
 NI6 (SN)
 NS6(LN)
 LAT
 Logging Details:
 Logging Co: Nirvana S.
 Training & Equip. Co.
 "Sri Jagannath"
 UP, CoGS NSGUP
 16 May 2013
 18:28
 Location: Gurga (46)
 Logger S No:
 IGIS/S/O/21-22
 SP (m V)
 Logger Model:
 DMPL-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

