

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 857

Date:- 16-09-2022

NAME OF SITE

Gram Panchayat- Thingri

BLOCK- Jalalabad

DISTT- Shahjahanpur

NAME OF AGENCY

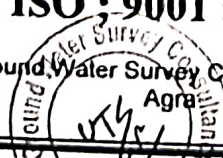
M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- THINGRI, BLOCK- JALALABAD, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 133 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.Sep.2022.

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 - 17	12	Clay kankar	
3.	17 - 40	23	Medium sand	Good
4.	40 - 44	4	Clay kankar	
5.	44 - 54*	10	Medium sand	Good
6.	54 - 60	6	Kankar	
7.	60 - 73*	13	Medium sand	Good
8.	73 - 93	20	Clay kankar	
9.	93 - 101*	8	Medium sand	Good
10.	101 - 111	10	Clay kankar	
11.	111 - 115*	4	Fine to med. sand & kan.	Good
12.	115 - 120	5	Clay kankar	
13.	120 - 129*	9	Medium sand	Good
14.	129 - 133	4	Clay kankar	

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 Good.
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



Ground Water Survey Consultancy

ρ_{app} vs Depth Plot
 Standard Unit
 Department
 OF GEOSCIENCE
 UNIVERSITY
 OF DELHI
 DELHI
 INDIA
 Date: _____
 Name: _____

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