

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 390

Date:- 16-06-2022

NAME OF SITE

Gram Panchayat- Ramapur

BLOCK- Tilhar

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

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Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAMAPUR, BLOCK- TILHAR
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

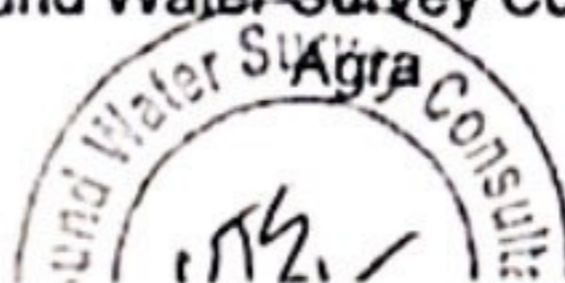
A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 105 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.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 - 15	10	Sandy clay	
3.	15 - 35	20	Clay kankar	
4.	35 - 52*	17	Fine to Medium sand	Good
5.	52 - 58	6	Clay kankar	
6.	58 - 67*	9	Medium sand	Good
7.	67 - 71	4	Clay kankar	
8.	71 - 90*	19	Medium sand	Good
9.	90 - 105	15	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 700 to 900 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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Fig. 4
 ✓ HMA-21
 ✓ HMA-22
 ✓ LAT

Logarithmic
 Base 10
 Scale
 100
 10
 1
 0.1
 0.01
 0.001
 0.0001
 0.00001
 0.000001

50 (cm)

