

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2214

Date:- 25-10-2023

NAME OF SITE

GRAM PANCHAYAT- Feel Nagar 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.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

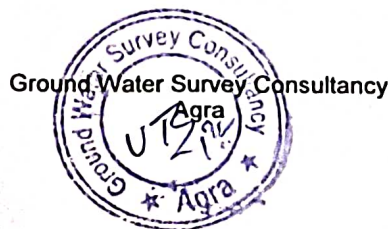
Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 130 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 25.Oct.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 - 8	3	Clay kankar	
3.	8 - 25	17	Fine to Medium sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 51	21	Medium sand	Medium
6.	51 - 58	7	Clay kankar	
7.	58 - 78*	20	Fine to Medium sand	Medium
8.	78 - 83	5	Clay kankar	
9.	83 - 90*	7	Fine to Medium sand	Medium
10.	90 - 100	10	Clay kankar	
11.	100 - 110*	10	Fine to Medium sand	Medium
12.	110 - 115	5	Kankar	
13.	115 - 122*	7	Fine to Medium sand	Medium
14.	122 - 130	8	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 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



Ground Water Survey Consultancy

Location: Logging Viree Nagar
 Block: Tehsil Datt
 Sub-Division: UP LOGGSENGAR
 Dist: 21 Oct 2023
 Date: 22.10
 Operator: Umesh Gupta (CS)
 Well Depth:

Rho a
 N 1 (G/N)
 N 64 (L/N)
 LAT

Logger Model: SP
 Logger Model: DNPL-2
 Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

Logger SI No: IG/S/02/22-23

