

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 392

Date:- 16-06-2022

NAME OF SITE

Gram Panchayat- Banthara Urf Nagla

BLOCK- Jaitipur

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

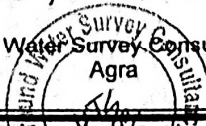
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BANTHARA URF NAGLA, BLOCK- JAIPUR
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 112 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 - 12	7	Clay kankar	
3.	12 - 24	12	Fine to Medium sand	Good
4.	24 - 27	3	Clay kankar	
5.	27 - 38	11	Medium sand	Good
6.	38 - 47	9	Clay kankar	
7.	47 - 64*	17	Medium sand	Good
8.	64 - 70	6	Clay kankar	
9.	70 - 80*	10	Medium sand	Good
10.	80 - 85	5	Clay kankar	
11.	85 - 94*	9	Medium sand	Good
12.	94 - 98	4	Clay kankar	
13.	98 - 101*	3	Fine to Medium sand	Good
14.	101 - 112	11	Clay kankar	

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 800 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



Ground Water Survey Consultancy

Rho a
M16 (SN)
M64(LN)
LAT

Logging Banthara
Urf Nagla Block
Jaitipur Distt
Shahjahanpur
LOGGILLGUP
16 Jun 2022
09:55
Ulkarsh Gupta (G)

SP (mV)

