

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- N-918

Date:- 22-01-2023

NAME OF SITE

Gram Panchayat- Dhakia Shobha

BLOCK- Tilhar

DISTT- Shahjahanpur

NAME OF AGENCY

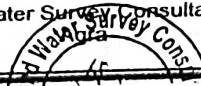
M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 22.Jan.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	Clay	
3.	10 - 13	3	Fine sand	
4.	13 - 17	4	Clay kankar	
5.	17 - 43	26	Medium sand	Good
6.	43 - 52	9	Clay kankar	
7.	52 - 70*	18	Medium sand	Good
8.	70 - 76	6	Sandy clay	
9.	76 - 80*	4	Medium sand	Good
10.	80 - 85	5	Clay kankar	
11.	85 - 92*	7	Medium sand	Good
12.	92 - 102	10	Clay kankar	
13.	102 - 120*	18	Medium sand	Good

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.



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 NI6 (SN)
 N64(LN)
 LAT

Logging V1 Dhahia
 Shobha Eled - Tilhar
 Dist. Sonbhadra
 LOGGILL SUP
 27 Jan 2023
 13:11
 Uttaran Gupta (S)

SP (m V)

