

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1069

Date:- 20-10-2022

NAME OF SITE

Gram Panchayat- Mohammadpur Elaque Shahapur
DISTT- Shahjahanpur

BLOCK- Dadrol

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- MOHAMMADPUR ELAQUE SHAJAHNPUR
BLOCK- DADROL, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 131 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 20.Oct.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 - 14	9	Clay kankar	
3.	14 - 30	16	Fine to Medium sand	
4.	30 - 34	4	Clay kankar	
5.	34 - 40	6	Medium sand	Good
6.	40 - 43	3	Clay kankar	
7.	43 - 47	4	Medium sand	Good
8.	47 - 56	9	Clay kankar	
9.	56 - 62*	6	Medium sand	Good
10.	62 - 66	4	Kankar	
11.	66 - 82*	16	Medium sand	Good
12.	82 - 95	13	Clay kankar	
13.	95 - 104*	9	Medium sand	Good
14.	104 - 114	10	Clay kankar	
15.	114 - 128*	14	Fine to Medium sand	Good
16.	128 - 130	2	Clay	

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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. 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



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Report No. WGS/2012/01
 Date of Report: 2012
 Date of Fieldwork: 2012
 Location: ...
 ...

File #
 M16 (S/C)
 M16 (M)
 LAT

SP (mV)

