

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 298

Date:- 08-01-2022

NAME OF SITE

GRAM PANCHAYAT- Mahasir BLOCK- Sindhauli DISTT- Shahjanhapur

NAME OF AGENCY

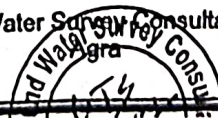
M/s NCC Ltd.
Shahjanhapur



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAHASIR, BLOCK- SINDHAULI, DISTT- SHAHJANHAPUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

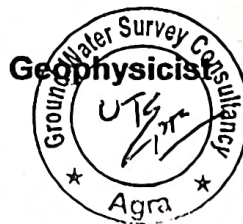
On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 08.Jan.2022.

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 - 21	16	Fine to Medium sand	
3.	21 - 25	4	Clay kankar	
4.	25 - 35	10	Fine sand	Good
5.	35 - 42	7	Clay	
6.	42 - 50*	8	Fine to Medium sand	Good
7.	50 - 55	5	Clay kankar	
8.	55 - 65*	10	Medium sand	Good
9.	65 - 69	4	Clay kankar	
10.	69 - 75	6	Fine sand	Good
11.	75 - 85	10	Clay kankar	
12.	85 - 98*	13	Medium sand	Good
13.	98 - 101	3	Clay kankar	
14.	101 - 106*	5	Fine to Medium sand	Good
15.	106 - 119	13	Clay kankar	
16.	119 - 130*	11	Fine to Medium sand	Good
17.	130 - 135	5	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 1100 to 1200 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.



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