

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 507

Date:- 10-07-2022

NAME OF SITE

Gram Panchayat- Beermpur Marena

BLOCK- Tilhar

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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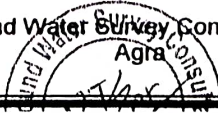
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BEERMAMPUR MARENA, BLOCK- TILHAR, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 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 10.July.2022.

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 - 18	13	Medium sand	Good
3.	18 - 21	3	Clay kankar	
4.	21 - 26	5	Fine sand	Good
5.	26 - 31	5	Clay kankar	
6.	31 - 55*	24	Medium sand	Good
7.	55 - 60	5	Clay kankar	
8.	60 - 80*	20	Medium sand	Good
9.	80 - 102	22	Sandy Clay	
10.	102 - 115*	13	Fine to medium sand	Good
11.	115 - 121	6	Clay kankar	
12.	121 - 135*	14	Medium sand	Good
13.	135 - 138	3	Sandy Clay	

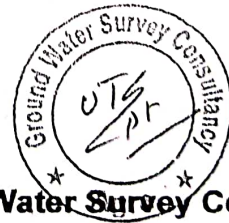
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Conclusions and Recommendations :-

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. Expected discharge is 1000 to 1100 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



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Rho a

- N (GSM)
- N 64 (LN)
- LAT

LOG NO: 52
PROJECT: NIGRA
DATE: 10/10/2012
SITE: NIGRA
DEPTH: 135m

SP

