

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 03

Date:- 01-04-2022

NAME OF SITE

Gram Panchayat- Mauiddadinpur

BLOCK- Banda DISTT- Shahjanhapur

NAME OF AGENCY

M/s NCC Ltd.
Shahjanhapur



GROUND WATER SURVEY CONSULTANCY

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

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAUIDDADINPUR, BLOCK- BANDA
DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

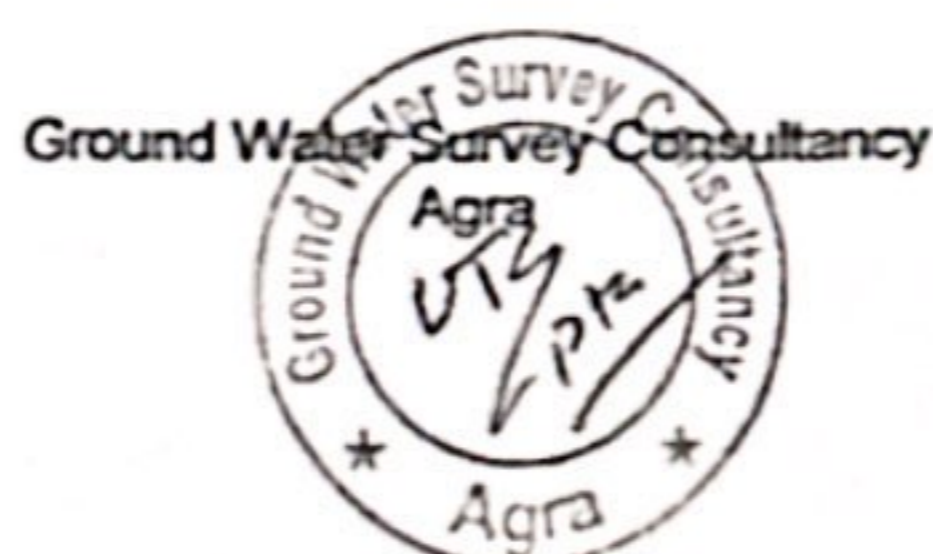
Introduction :

A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 141 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 01.Apr.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 - 25	13	Fine sand	
4.	25 - 32	7	Clay kankar	
5.	32 - 55*	23	Medium sand	Good
6.	55 - 57	2	Clay kankar	
7.	57 - 64*	7	Fine to Medium sand	Good
8.	64 - 68	4	Clay kankar	
9.	68 - 80*	12	Fine to Med. sand & Kankar	Good
10.	80 - 84	4	Clay kankar	
11.	84 - 93*	9	Medium sand	Good
12.	93 - 108	15	Clay kankar	
13.	108 - 115*	7	Medium sand	Good
14.	115 - 125	10	Clay kankar	
15.	125 - 135*	10	Medium sand	Good
16.	135 - 141	6	Sandy clay	

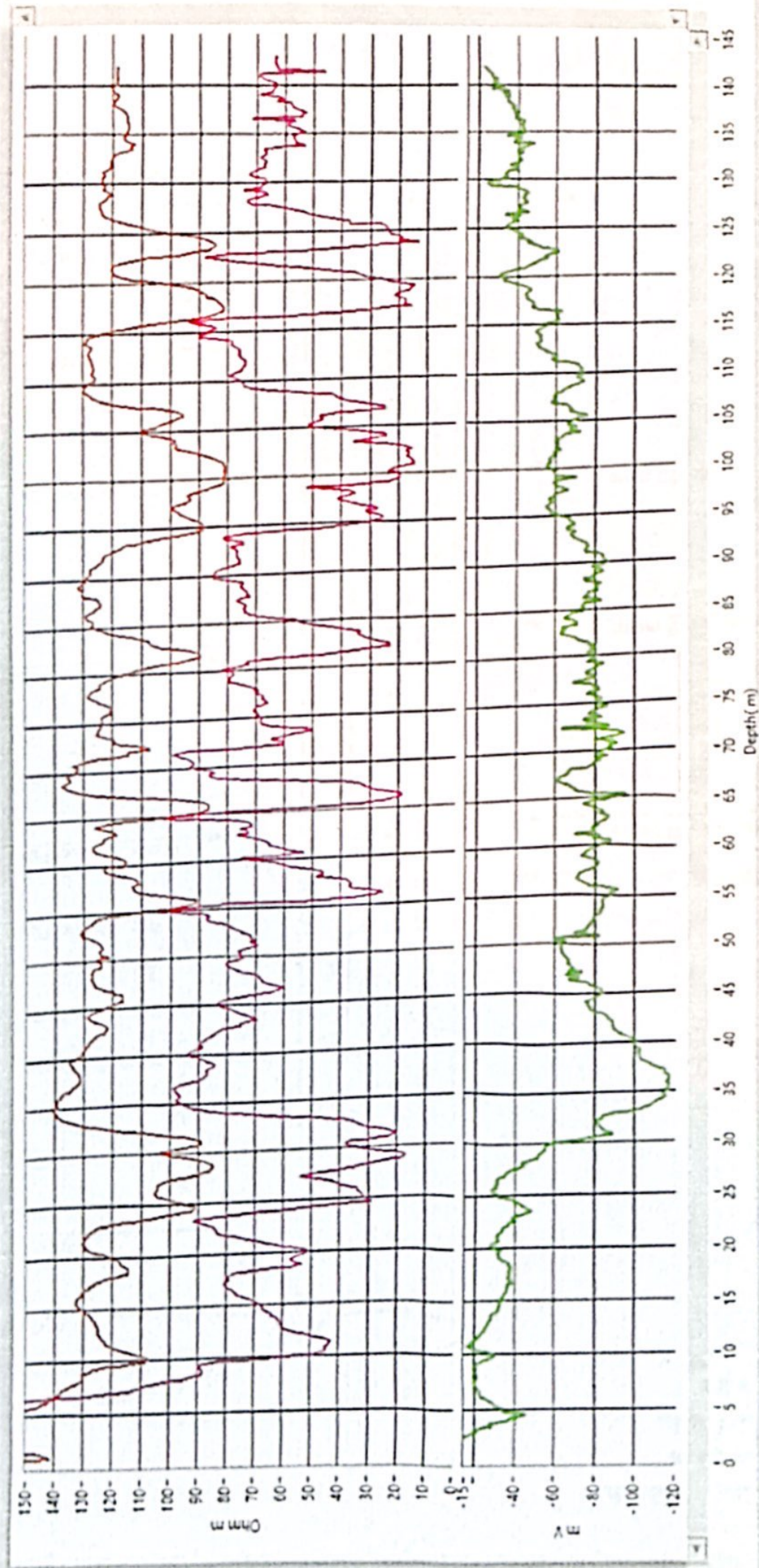


Conclusions and Recommendations :-

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 900 to 1000 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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File #
 H16(SM)
 H64(UH)
 LAT
 Location: [unclear]
 Date: 21 Apr 2022
 Time: 15:02
 Operator: [unclear]
 Well Depth: [unclear]

SP

