

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Date:- 20-01-2022

RefNo:- 341

NAME OF SITE

**GRAM PANCHAYAT- Manorathpur Sha Showari BLOCK- Jalalabad
DISTT- Shahjanhapur**

NAME OF AGENCY

**M/s NCC Ltd.
Shahjanhapur**



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANORATHPUR SHA SHOWARI, BLOCK- JALALABAD
DISTT- SHAHJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

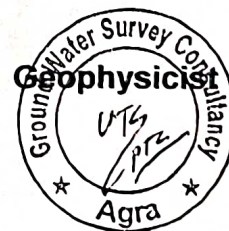
On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.Jan.2022.

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 - 12	7	Clay kankar	
3.	12 - 16	4	Fine sand	
4.	16 - 24	8	Clay kankar	
5.	24 - 29	5	Medium sand	Good
6.	29 - 33	4	Clay kankar	
7.	33 - 37	4	Fine sand	Good
8.	37 - 48	11	Sandy clay	
9.	48 - 85*	37	Fine to Medium sand	Good
10.	85 - 92	7	Clay kankar	
11.	92 - 98	6	Fine sand	Good
12.	98 - 110	12	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.

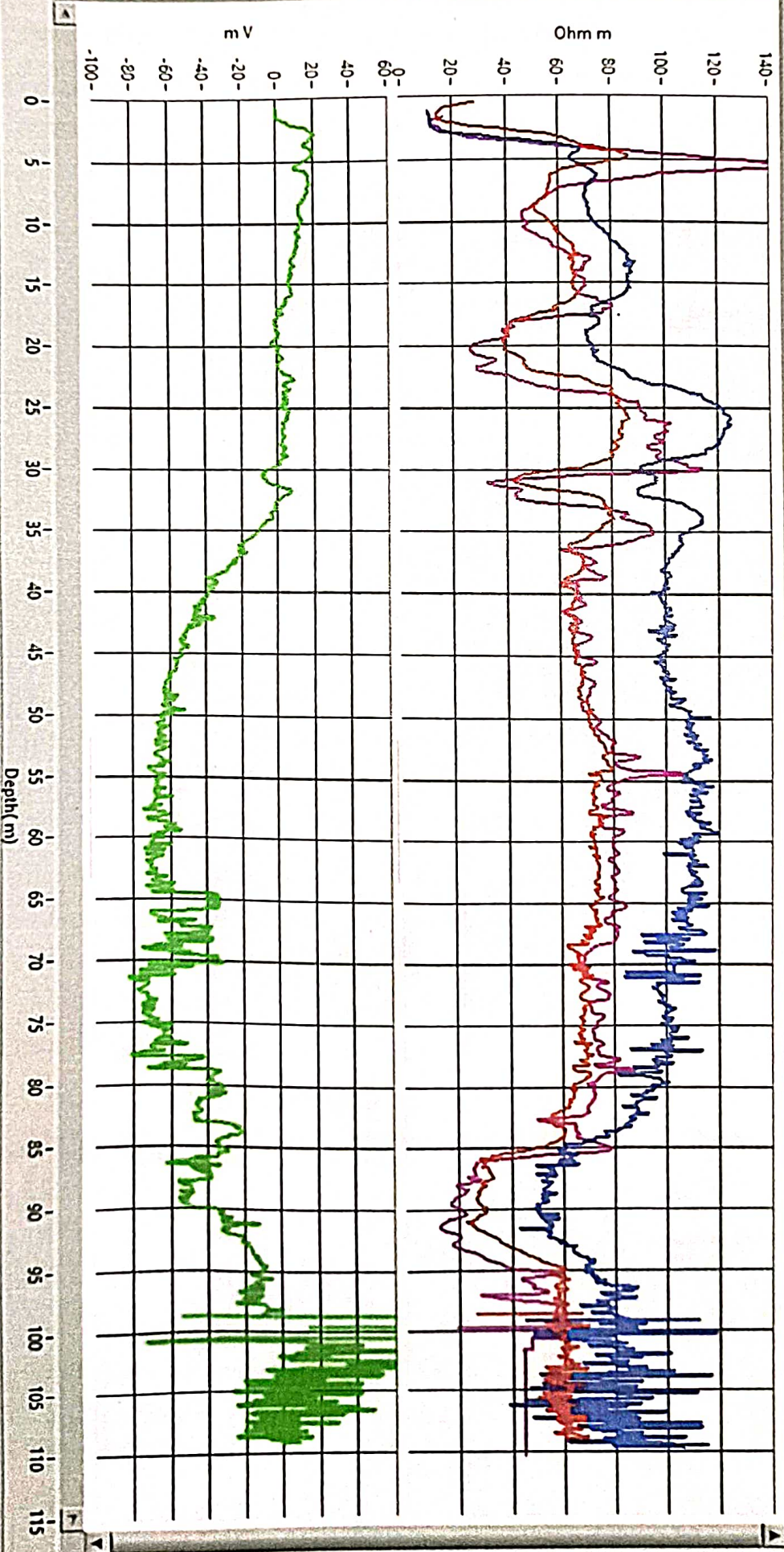


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- ▬ N 16(S/N)
- ▬ N 64(L/N)
- ▬ LAT

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