GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- N-1145

Date:- 11-02-2023

NAME OF SITE

Gram Panchayat- Athapur BLOCK- Nigohi DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

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Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- ATHAPUR, BLOCK- NIGOHI, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 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 11.Feb.2023.

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 - 17	12	Clay kankar	
3.	17 - 28	11	Fine sand	
4.	28 - 32	4	Clay kankar	
5.	32 - 58*	26	Medium sand	Good
6.	58 - 62	4	Clay kankar	
7.	62 - 67*	5	Medium sand	Good
8.	67 - 78	11	Clay kankar	
9.	78 - 81*	3	Medium sand	Good
10.	81 - 86	5	Clay kankar	
11.	86 - 100*	14	Medium sand	Good
12.	100 - 110	10	Clay kankar	
13.	110 - 118*	8	Medium sand	Good
14.	118 - 130	12	Clay kankar	

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. 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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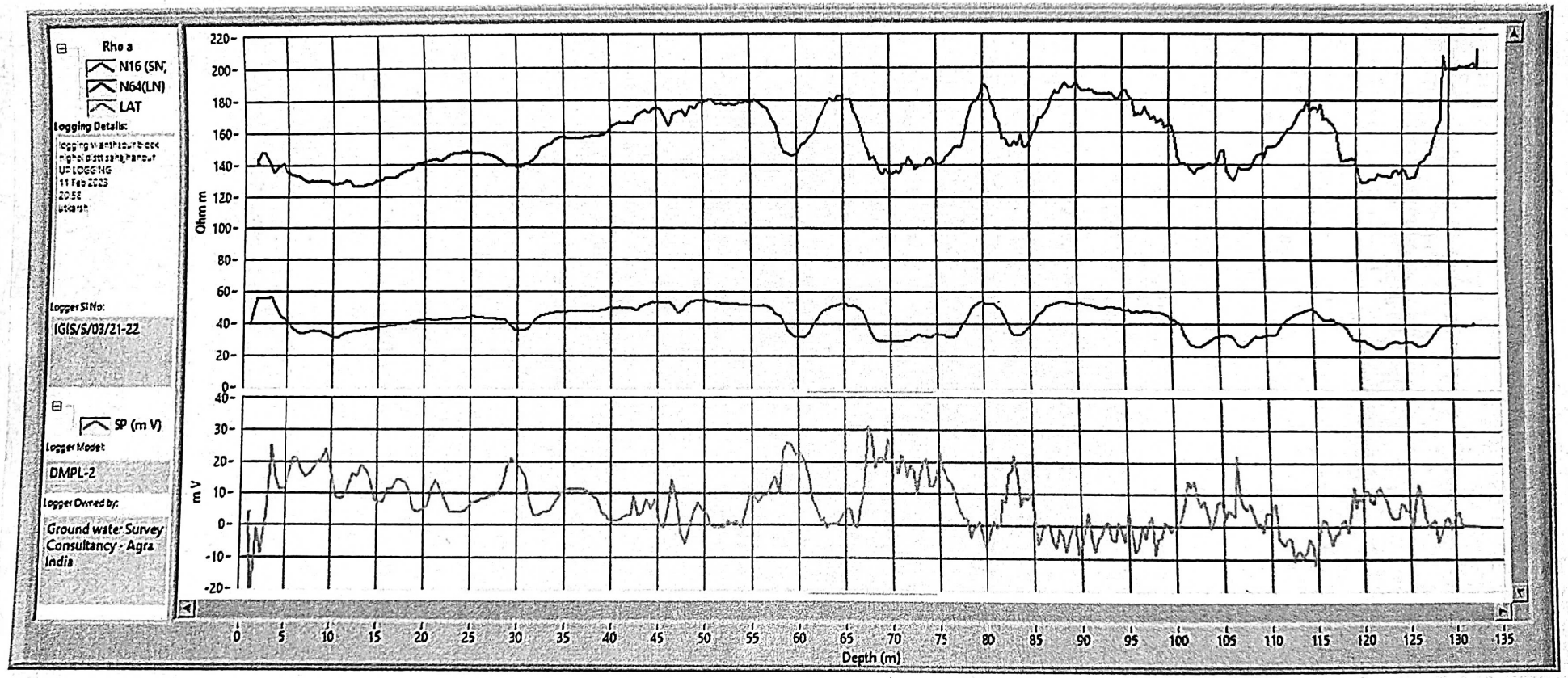

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