GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 589

Date:- 02-08-2022

NAME OF SITE

Gram Panchayat- Sherpur Kurria BLOCK- Mirzapur DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

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Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- SHERPUR KURRIA, BLOCK- MIRZAPUR
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 02.August.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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Fine sand	
3.	8 - 15	7	Clay	
4.	15 - 18	3	Fine sand	Good
5.	18 - 25	7	Clay kankar	
6.	25 - 32	7	Medium sand	Good
7.	32 - 55	23	Clay kankar	
8.	55 - 66*	11	Medium sand	Good
9.	66 - 71	5	Clay kankar	
10.	71 - 78*	7	Medium sand	Good
11.	78 - 87	9	Clay kankar	
12.	87 - 94*	7	Medium sand	Medium
13.	94 - 100	6	Clay kankar	
14.	100 - 115*	15	Medium sand	Medium
15.	115 - 140	25	Clay kankar	

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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 Medium to Good.

4. Expected discharge is 800 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.

Geophysicist

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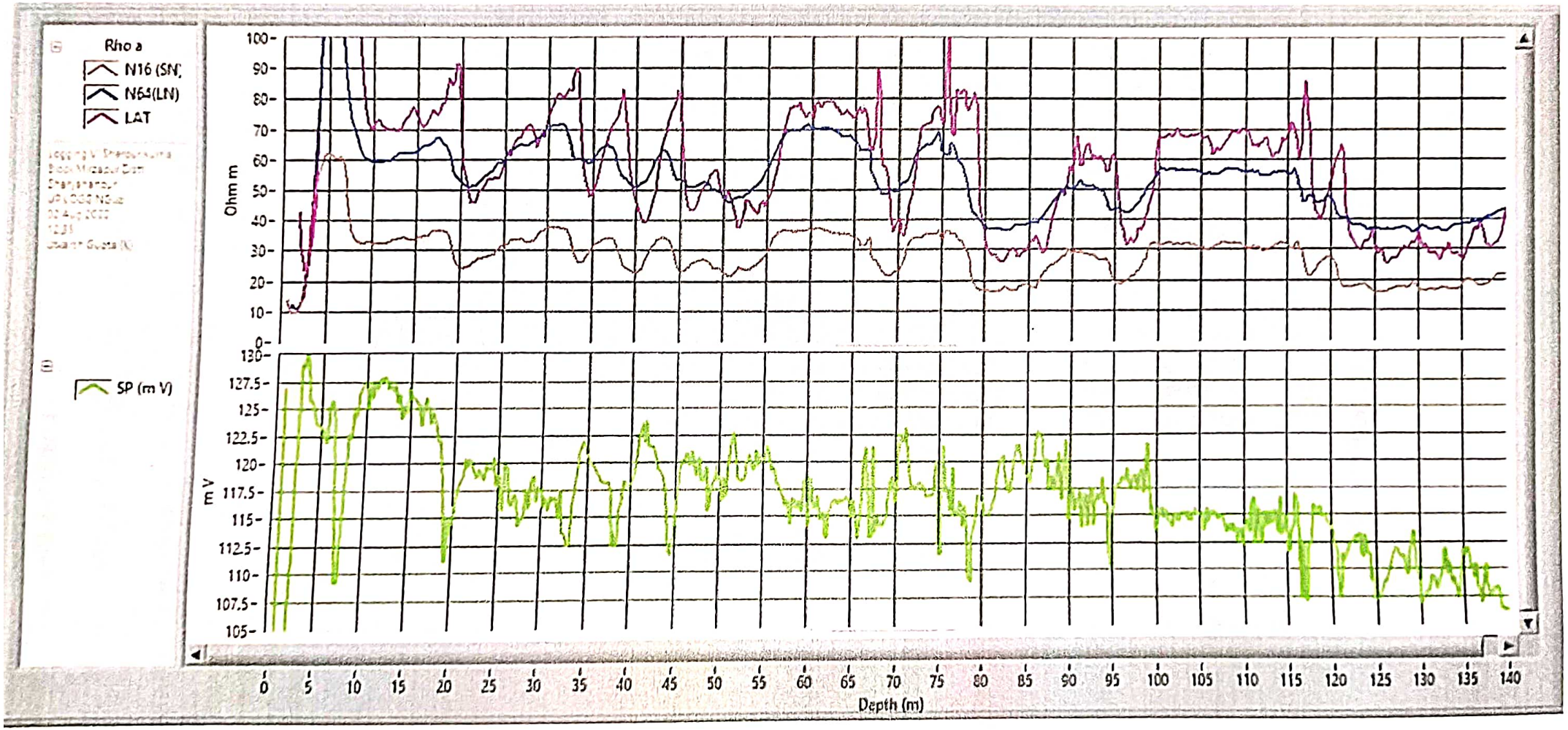

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