GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 263

Date:- 29-12-2021

NAME OF SITE

GRAM PANCHAYAT- Bara Khurd BLOCK- Kalan DISTT- Shahjanhapur

NAME OF AGENCY

M/s NCC Ltd.
Shahjanhapur

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

GROUND WATER SURVEY CONSULTANCY
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- BARA KHURD, BLOCK- KALAN, DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 143 mtrs. depth. and Logged depth 143 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 29.Dec.2021.

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 - 12	7	Dry sand	
3.	12 - 20	8	Clay	
4.	20 - 42	22	Medium sand	Good
5.	42 - 45	3	Clay kankar	
6.	45 - 55*	10	Fine to Medium sand	Good
7.	55 - 60	5	Clay kankar	
8.	60 - 67*	7	Fine to Medium sand	Good
9.	67 - 100	33	Clay kankar	
10.	100 - 123*	23	Medium sand & Kankar	Good
11.	123 - 140	17	Clay kankar	
12.	140 - 143	3	Fine sand	Good

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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.

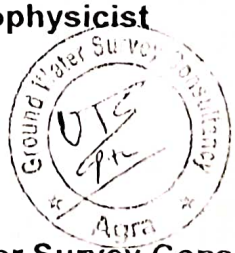
3. The Quality of water is expected Good.

4. Expected discharge is 1100 to 1200 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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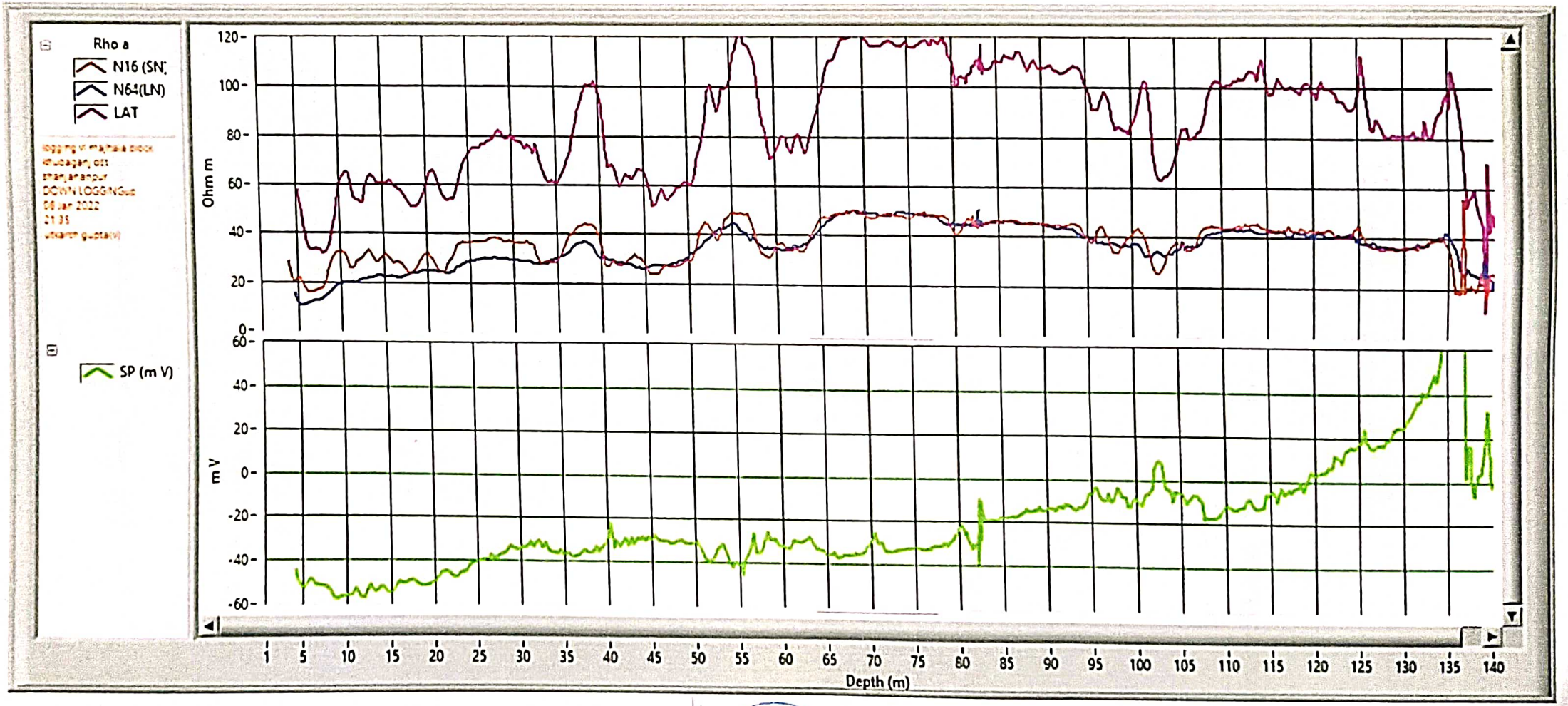

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