GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N-1134

Date:- 10-02-2023

NAME OF SITE

Gram Panchayat- Mohammadpur Qadim Kotra
DISTT- Rampur

BLOCK- Milak

NAME OF AGENCY

M/s NKG Infrastructure Limited
Delhi

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- MOHAMMADPUR QADIM KOTRA, BLOCK- MILAK,
DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/s NKG Infrastructure Limited, Delhi.

On the request of M/s NKG Infrastructure Limited, Delhi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Feb.2023.

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 - 20	15	Clay	
3.	20 - 34	14	Fine to Medium sand	Medium
4.	34 - 37	3	Clay kankar	
5.	37 - 50	13	Medium sand	Medium
6.	50 - 54	4	Clay kankar	
7.	54 - 61*	7	Medium sand	Medium
8.	61 - 67	6	Clay kankar	
9.	67 - 92*	25	Medium sand	Medium
10.	92 - 100	8	Clay kankar	
11.	100 - 114*	14	Medium sand	Medium
12.	114 - 123	9	Clay kankar	
13.	123 - 140*	17	Medium sand	Medium

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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.

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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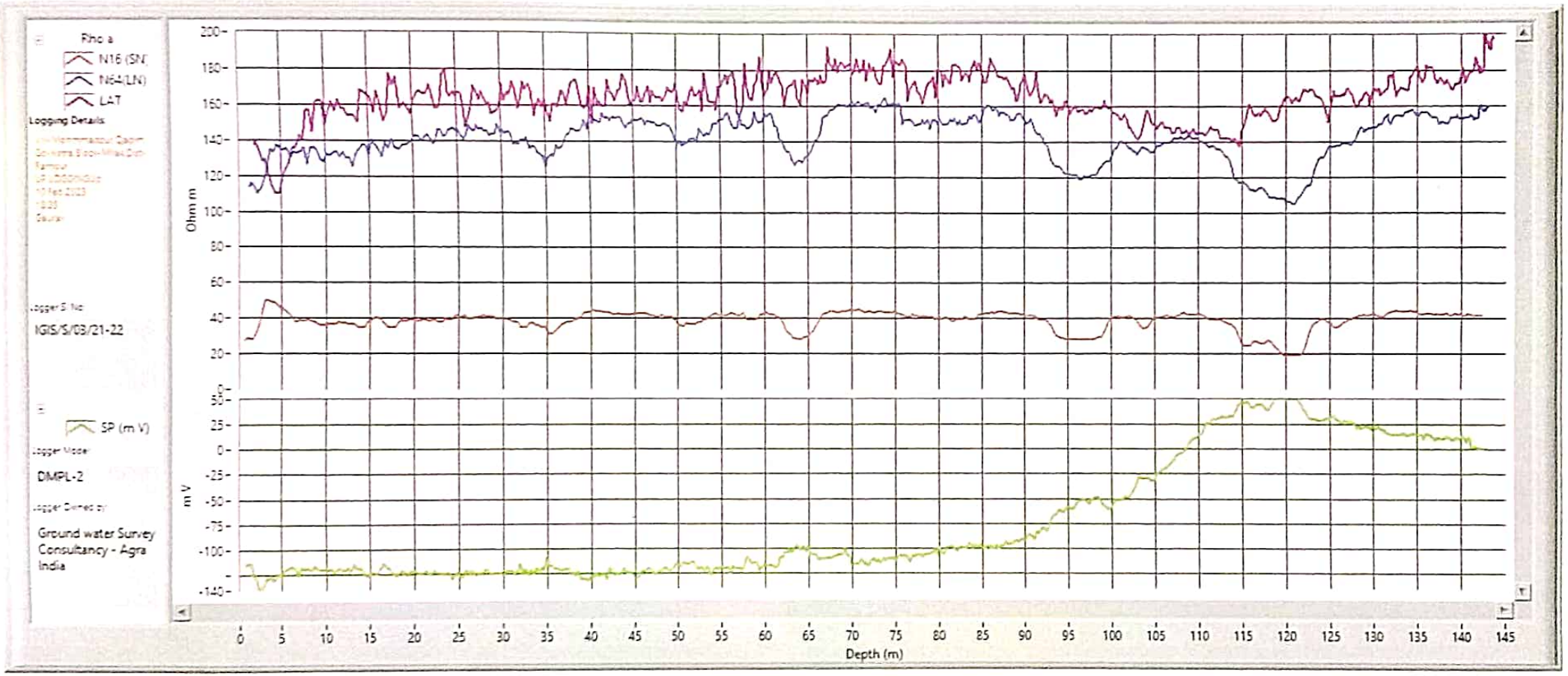

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