

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A- 522

Date:- 24-03-2023

NAME OF SITE

GRAM PANCHAYAT- Khanpur Jadidi BLOCK- Milak DISTT- Rampur

NAME OF AGENCY

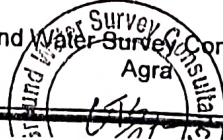
M/s NKG Infrastructure Limited
Delhi



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHANPUR JADIDI, BLOCK- MILAK, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 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 24.Mar.2023.

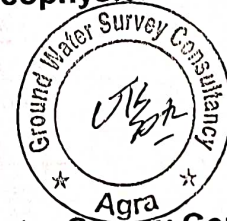
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 22	7	Fine sand	
5.	22 - 25	3	Clay kankar	
6.	25 - 32	7	Fine to Medium sand	Good
7.	32 - 35	3	Clay kankar	
8.	35 - 45	10	Medium sand	Good
9.	45 - 50	5	Clay kankar	
10.	50 - 56	6	Fine sand	Good
11.	56 - 60	4	Clay kankar	
12.	60 - 76*	16	Medium sand	Good
13.	76 - 82	6	Kankar	
14.	82 - 98*	16	Medium sand	Good
15.	98 - 103	5	Clay kankar	
16.	103 - 108*	5	Fine to Medium sand	Good
17.	108 - 116	8	Clay kankar	
18.	116 - 146*	30	Medium sand & kankar	Good
19.	146 - 150	4	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.

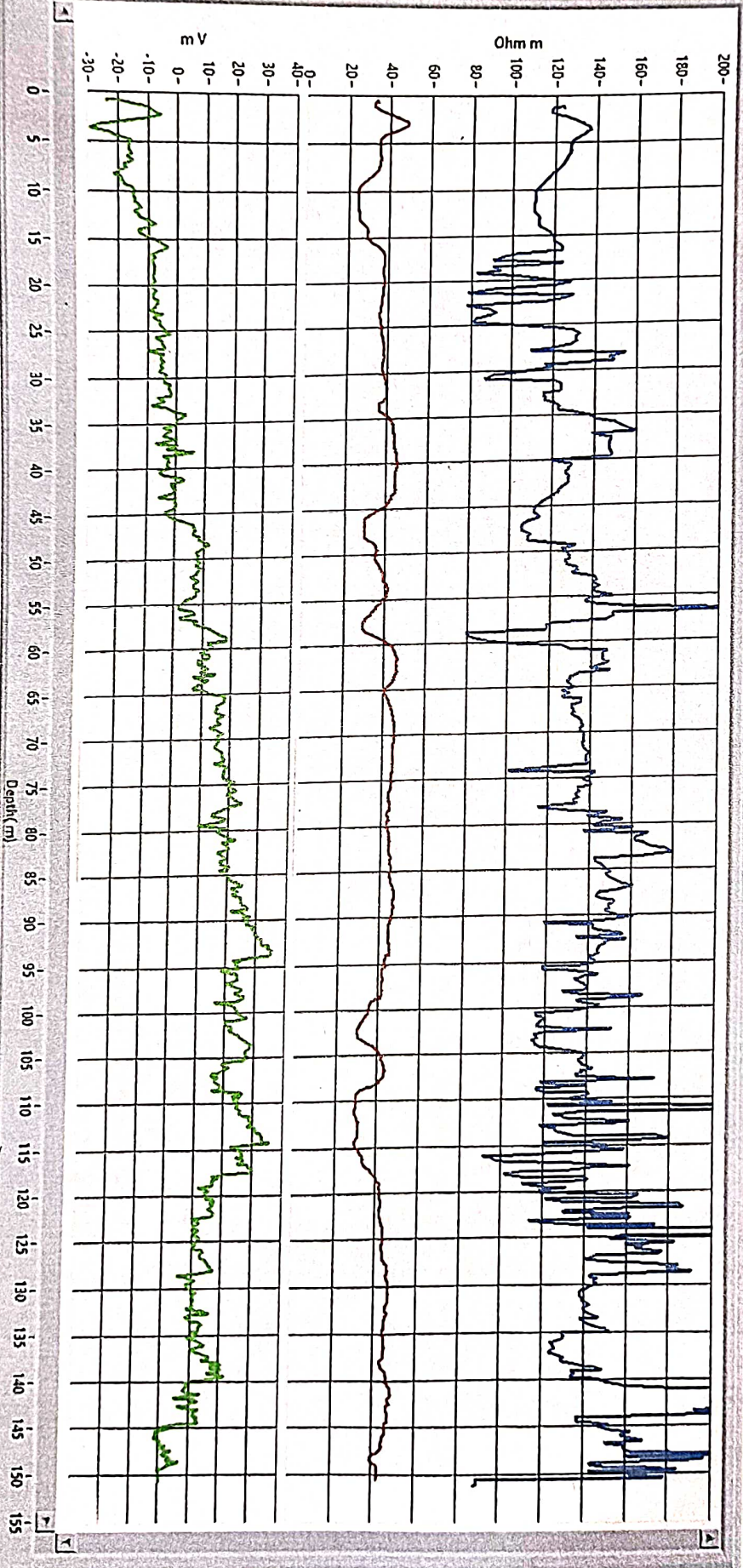
Geophysicist



Ground Water Survey Consultancy

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 LAT

DATE: 12/08/2018
 TIME: 10:30 AM
 PROJECT: GROUND WATER SURVEY
 LOCATION: AGRY
 INSTRUMENT: RESISTIVITY
 OPERATOR: S. N.



S.N.