

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-800

Date:- 05-06-2023

NAME OF SITE

GRAM PANCHAYAT- Jhunaiya

BLOCK- Milak

DISTT- Rampur

NAME OF AGENCY

M/s NKG Infrastructure Limited
Delhi

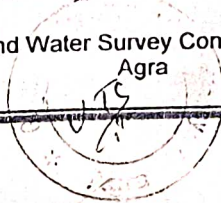


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water investigations,
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(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JHUNAIYA, BLOCK- MILAK, DISTT- RAMPUR
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 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 05.June.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 - 21	16	Clay kankar	
3.	21 - 45	24	Fine to Medium sand	Good
4.	45 - 50	5	Clay kankar	
5.	50 - 58*	8	Fine to Medium sand	Good
6.	58 - 64	6	Clay kankar	
7.	64 - 85*	21	Medium sand	Good
8.	85 - 90	5	Clay kankar	
9.	90 - 107*	17	Medium sand	Good
10.	107 - 114	7	Clay kankar	
11.	114 - 124*	10	Medium sand	Good
12.	124 - 130	6	Clay kankar	
13.	130 - 140*	10	Medium sand	Good

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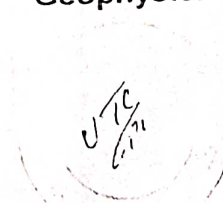
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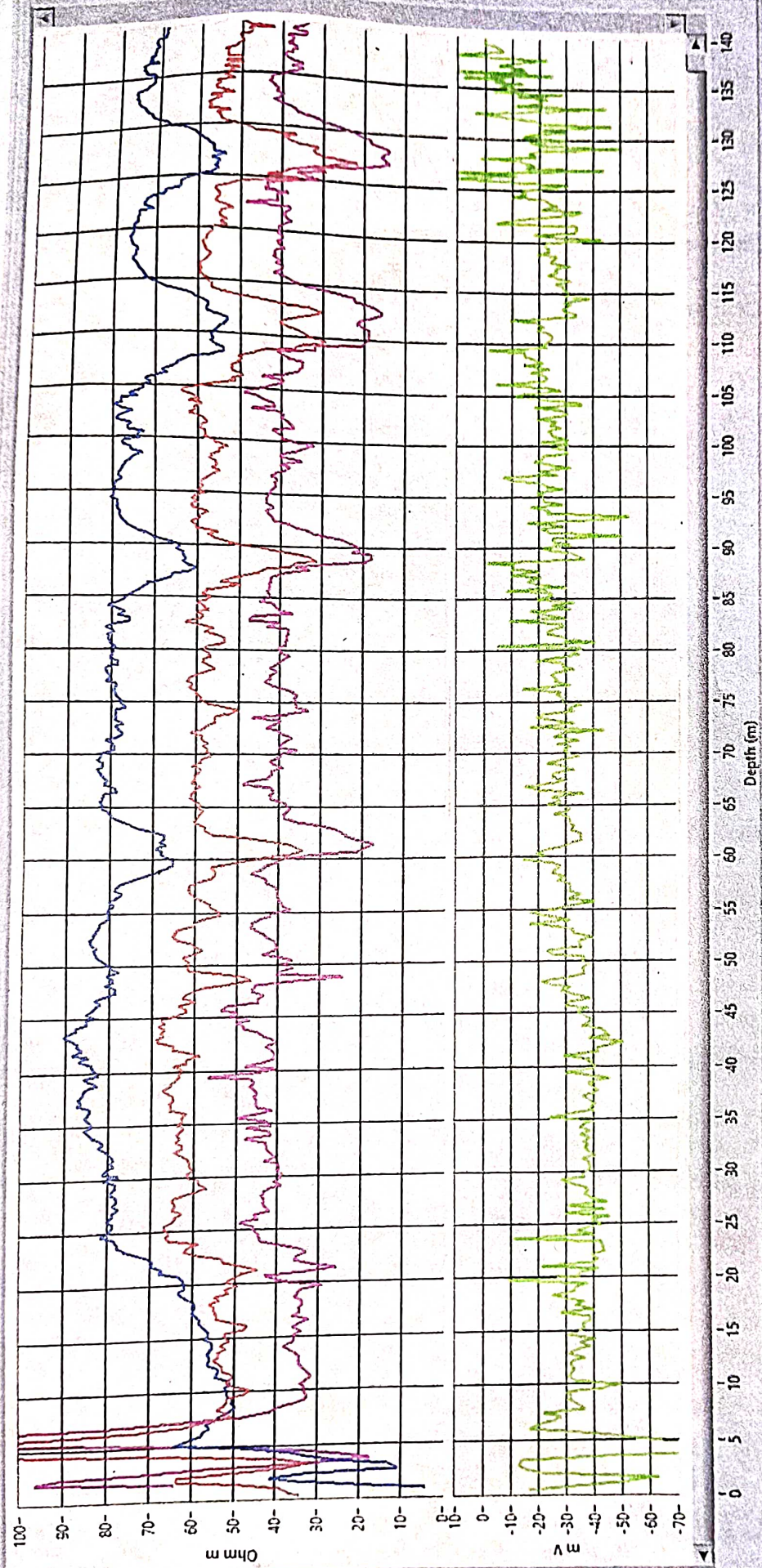
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Conclusions and Recommendations :-

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



Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:

595 737 7078 8000
 M-3000 1000000
 UFL002 NGC
 25.11.2011
 11:22
 -10970 3-20 10198

Logger S No
 IGIS/01/10-11

SP (mV)
 Logger Vcc: 1
 DMPL-2

Logger Over by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

