

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A- 615

Date:- 23-05-2023

NAME OF SITE

GRAM PANCHAYAT- Mega Nagla Jadid 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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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MEGA NAGLA JADID, 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.

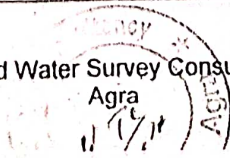
On the request of M/s NKG Infrastructure Limited, Delhi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.May.2023.

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 - 12	7	Clay	
3.	12 - 30	18	Fine sand	
4.	30 - 34	4	Clay kankar	
5.	34 - 50	16	Fine to Medium sand	Med to Good
6.	50 - 55	5	Clay kankar	
7.	55 - 62*	7	Medium sand	Med to Good
8.	62 - 66	4	Clay kankar	
9.	66 - 80*	14	Medium sand	Med to Good
10.	80 - 85	5	Clay kankar	
11.	85 - 98*	13	Medium sand	Med to Good
12.	98 - 102	4	Clay kankar	
13.	102 - 119*	17	Medium sand	Med to Good
14.	119 - 122	3	Clay kankar	
15.	122 - 130*	8	Medium sand	Med to Good
16.	130 - 132	2	Clay kankar	
17.	132 - 140*	8	Medium sand	Med to Good

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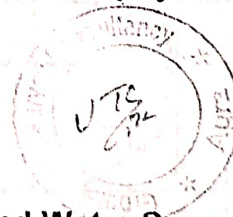
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Conclusions and Recommendations :-

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 Medium to 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



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Rio 3
 N 16(SN)
 N 64 (LN)
 LAT
 Recorder:
 Model: N 16(SN)
 Date: 23 Nov 2022
 Time: 15:07
 Operator:
 Water: 5.228 (M)
 Wet Cell:
 Logger Site:
 IDIS/SO1/21-22
 Logger Model:
 SP
 DMPL-2
 Logger Output by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA UP India

