

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 718

Date:- 12-01-2023

### NAME OF SITE

Gram Panchayat- Kewalpur

BLOCK- Milak

DISTT- Rampur

### NAME OF AGENCY

M/s NKG Infrastructure Limited  
Delhi



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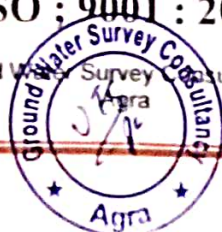
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- KEWALPUR, 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 12.Jan.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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 19	4	Fine sand	Med to Good
5.	19 - 25	6	Clay kankar	
6.	25 - 28	3	Fine sand	Med to Good
7.	28 - 35	7	Clay kankar	
8.	35 - 45	10	Medium sand	Med to Good
9.	45 - 51	6	Clay kankar	
10.	51 - 63*	12	Medium sand	Med to Good
11.	63 - 68	5	Clay kankar	
12.	68 - 97*	29	Medium sand	Med to Good
13.	97 - 102	5	Clay kankar	
14.	102 - 109*	7	Medium sand	Med to Good
15.	109 - 123	14	Clay kankar	
16.	123 - 133*	10	Medium sand	Med to Good
17.	133 - 140	7	Clay kankar	



**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 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**



**Ground Water Survey Consultancy**



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Bore 1  
 N16 (SN)  
 N64(LN)  
 LAT

SP (mV)

