

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 1458

Date:- 29-12-2022

### NAME OF SITE

GRAM PANCHAYAT- Chichauli

BLOCK- Milak

DISTT- Rampur

### NAME OF AGENCY

NKG Infrastructure Limited  
New Delhi



## GROUND WATER SURVEY CONSULTANCY

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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHICHAULI, 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 NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 29.Dec.2022.

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 - 31	26	Clay kankar	
3.	31 - 55*	24	Medium sand	Medium
4.	55 - 60	5	Clay kankar	
5.	60 - 77*	17	Medium sand	Medium
6.	77 - 80	3	Clay kankar	
7.	80 - 83*	3	Medium sand	Medium
8.	83 - 88	5	Clay kankar	
9.	88 - 100*	12	Medium sand	Medium
10.	100 - 113	13	Clay kankar	
11.	113 - 115	2	Fine sand	Medium
12.	115 - 127	12	Clay kankar	
13.	127 - 135*	8	Medium sand	Medium
14.	135 - 140	5	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 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**



**Ground Water Survey Consultancy**



Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging - I chichauli  
bhole metal distt  
rampur  
LOG SHEET No. 11  
11 Dec 2022  
12:55  
Utkarsh Jaiswal

