

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-N- 891

Date:- 20-01-2023

### NAME OF SITE

GRAM PANCHAYAT- Laksar Ganj

BLOCK- Shahabad

DISTT- Rampur

### NAME OF AGENCY

NKG Infrastructure Limited  
New Delhi



## GROUND WATER SURVEY CONSULTANCY

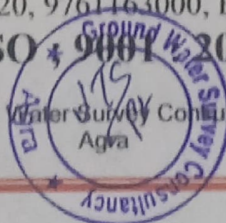
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001:2015

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LAKSAR GANJ, BLOCK- SHAHABAD, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

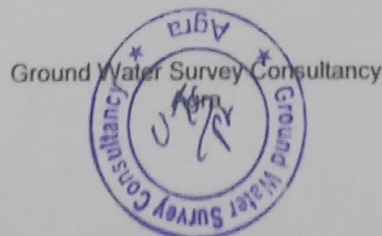
## Introduction :

A Deep bore hole was drilled 144 mtrs. depth and logged depth 142 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 20.Jan.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:-

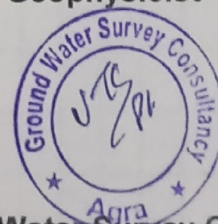
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 22	7	Clay kankar	
4.	22 - 42	20	Fine to Medium sand	Good
5.	42 - 45	3	Clay kankar	
6.	45 - 55*	10	Medium sand	Good
7.	55 - 61	6	Clay kankar	
8.	61 - 80*	19	Medium sand	Good
9.	80 - 85	5	Clay kankar	
10.	85 - 101*	16	Medium sand	Good
11.	101 - 105	4	Clay kankar	
12.	105 - 115*	10	Medium sand	Good
13.	115 - 125	10	Clay kankar	
14.	125 - 135*	10	Fine to Medium sand	Good
15.	135 - 142	7	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**

Rho 3

- Ni6 (SN)
- Ns4(QN)
- LAT

Logging Details

Logger S No: IG/S/03/21-22

Logger Model: DMP-L-2

Logger Owned by: Ground Water Survey Consultancy - Agra, India

