

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A- 1451

Date:- 19-08-2023

### NAME OF SITE

GRAM PANCHAYAT- Lalpur Patti Kundan  
DISTT- Rampur

BLOCK- Chamrauwa

### 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- LALPUR PATTI KUNDAN, BLOCK- CHAMRAUWA,  
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 19.Aug.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 - 37	32	Clay kankar	
3.	37 - 44	7	Fine sand	
4.	44 - 46	2	Clay kankar	
5.	46 - 66*	20	Medium sand	Medium
6.	66 - 79	13	Fine sand	
7.	79 - 100*	21	Medium sand & kankar	Medium
8.	100 - 114	14	Fine sand	
9.	114 - 125	11	Clay kankar	
10.	125 - 140	15	Medium sand & kankar	Medium

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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.
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  
Log No: 18/20/2011  
Client: BGS  
Date: 15/08/2011  
Time: 11:30  
Location: Gurgaon (A5)

Logger: S. Hec  
IGS: 5/02/22-23

SP (m V)

Logger Model: DMDL-2  
Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

