

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-396

Date:- 02-03-2023

### NAME OF SITE

Gram Panchayat- Kewalpur Tipeda    BLOCK- Rajpura    DISTT- Sambhal

### NAME OF AGENCY

M/s NKG Infrastructure Limited  
Delhi



## GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

ISO : 9001 : 2015

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KEWALPUR TIPEDA, BLOCK- RAJPURA,  
DISTT- SAMBHAL  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 150 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 02.Mar.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 - 15	10	Fine sand	
3.	15 - 22	7	Clay kankar	
4.	22 - 48	26	Fine to Medium sand	Medium
5.	48 - 54	6	Clay kankar	
6.	54 - 77*	23	Medium sand	Medium
7.	77 - 96	19	Clay kankar	
8.	96 - 108*	12	Medium sand	Medium
9.	108 - 117	9	Kankar	
10.	117 - 130*	13	Medium sand	Medium
11.	130 - 136	6	Clay kankar	
12.	136 - 142*	6	Fine to Medium sand	Medium
13.	142 - 150	8	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.
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**

No. a  
 N16 (S)  
 N34 (L)  
 LAT

Logging Details  
 Working for: Tirthal Estate  
 Agency: DSR - Jaipur  
 UG Location: 02/14/2023  
 12.25  
 User: Ganga D.C.

Logger's No:  
 IGS/03/21-22

Logger Model:  
 DMP1-2

Logger Owned by:  
 Ground Water Survey  
 Consultancy - Agra  
 India

