

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-N-980

Date:- 27-01-2023

**NAME OF SITE**

Gram Panchayat- Madiyan Tulsi

BLOCK- Shahabad

DISTT- Rampur

**NAME OF AGENCY**

M/s NKG Infrastructure Limited  
Delhi



**GROUND WATER SURVEY CONSULTANCY**

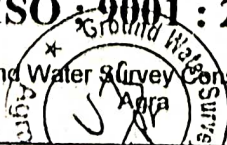
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MADIYAN TULSI, BLOCK- SHAHABAD, 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 27.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 - 12	7	Clay	
3.	12 - 25	13	Fine TO Medium sand	Medium
4.	25 - 28	3	Clay kankar	
5.	28 - 74*	46	Medium sand & kankar	Medium
6.	74 - 78	4	Clay kankar	
7.	78 - 92*	14	Medium sand	Medium
8.	92 - 100	8	Clay	
9.	100 - 114*	14	Medium sand	Medium
10.	114 - 119	5	Clay kankar	
11.	119 - 136*	17	Medium sand	Medium
12.	136 - 140	4	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**

LOG NO. G-11177-1-3  
 PROJECT  
 DATE  
 27.12.2023  
 14.22  
 Location: Ganga S/S

Rho<sub>a</sub>  
 NI6 (SNT)  
 NS4(QM)  
 LAT

SP (mV)

