

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A- 797

Date:- 13-06-2023

NAME OF SITE

GRAM PANCHAYAT- Rajpura

BLOCK- Milak

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
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAJPURA, 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 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 13.June.2023.

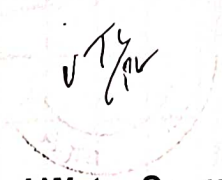
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	3	Sandy clay	
3.	7 - 14	7	Clay kankar	
4.	14 - 44	30	Medium sand	Medium
5.	44 - 50	6	Clay kankar	
6.	50 - 56*	6	Medium sand & kankar	Medium
7.	56 - 65	9	Clay kankar	
8.	65 - 90*	25	Medium sand & kankar	Medium
9.	90 - 95	5	Clay kankar	
10.	95 - 107*	12	Medium sand	Medium
11.	107 - 112	5	Clay kankar	
12.	112 - 121	9	Sand & kankar	Medium
13.	121 - 125	4	Clay kankar	
14.	125 - 135*	10	Medium sand	Medium
15.	135 - 140	5	Sandy clay	

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

A circular stamp with a handwritten signature in the center. The signature appears to be 'V. T. / IV'. The stamp is faint and partially obscured by the text above it.

Ground Water Survey Consultancy

Rho a
 NI6 (SN)
 NI4(LN)
 LAT
 Logging Details
 Logger S No: 1000000000
 Project No: 1000000000
 Date: 10/10/11
 Time: 10:00
 Location:

Logger S No: IGIS/501/10-11

SP (m V)
 Logger Model: DMPL-2
 Logger Area of: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

