

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 1363

Date:- 12-12-2022

NAME OF SITE

GRAM PANCHAYAT- Dhokar 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- DHOLSAR, BLOCK- SHAHABAD, DISTT- RAMPUR
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 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 12.Dec.2022.

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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay	
3.	12 - 42	30	Medium sand	Medium
4.	42 - 65	23	Fine sand	Medium
5.	65 - 70	5	Clay kankar	
6.	70 - 90*	20	Medium sand	Medium
7.	90 - 105	15	Fine sand	
8.	105 - 114*	9	Medium sand	Medium
9.	114 - 122	8	Clay kankar	
10.	122 - 129*	7	Fine to Medium sand	Medium
11.	129 - 132	3	Clay kankar	
12.	132 - 142*	10	Medium sand	Medium
13.	142 - 146	4	Clay kankar	
14.	146 - 150	4	Fine sand	Medium

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

U TK
APR

Ground Water Survey Consultancy

File #
 N 16350
 N 64 (LN)
 LAT

Location
 Logging in Dress Block
 2000000 2000000
 Log No.
 Date
 12 Dec 2012
 Time
 12:34
 Client
 Location
 Wg. Dept.

Upper Site:
 10/5/03/21-22

SP
 DMPL-2
 Upper Model:
 Upper Created by:
 Ground Water Survey
 Consultancy - Agri
 India

