

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 1268

Date:- 11-07-2023

NAME OF SITE

GRAM PANCHAYAT- Chakferi

BLOCK- Sahahbad

DISTT- Rampur

NAME OF AGENCY

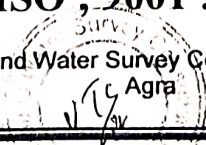
M/s NKG Infrastructure Limited
Delhi



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAKFERI, BLOCK- SAHAHBAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

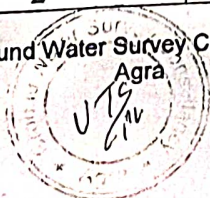
A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 160 mtrs. at above site. Was drilled by M/s NKG Infrastructure Limited, Delhi.

On the request of M/s NKG Infrastructure Limited, Delhi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.July.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	2	Clay kankar	
3.	7 - 11	4	Fine sand	
4.	11 - 22	11	Clay kankar	
5.	22 - 25	3	Fine sand	Med to Good
6.	25 - 30	5	Clay kankar	
7.	30 - 48	18	Medium sand	Med to Good
8.	48 - 58	10	Clay kankar	
9.	58 - 65*	7	Medium sand	Med to Good
10.	65 - 70	5	Clay kankar	
11.	70 - 77*	7	Medium sand	Med to Good
12.	77 - 83	6	Clay kankar	
13.	83 - 91*	8	Medium sand	Med to Good
14.	91 - 110	19	Clay kankar	
15.	110 - 122*	12	Fine to Medium sand	Med to Good
16.	122 - 125	3	Clay kankar	
17.	125 - 130*	5	Fine to Medium sand	Med to Good
18.	130 - 140	10	Clay kankar	
19.	140 - 147*	7	Fine to Medium sand	Med to Good
20.	147 - 158	11	Clay kankar	
21.	158 - 160*	2	Fine to Medium sand	Med to Good

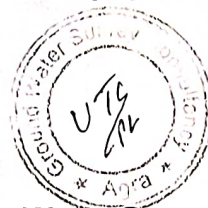
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Conclusions and Recommendations :-

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 to Good.
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



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Rho a
N16 (GN)
N64(LN)
LAT

Logging Details
SPT Log Number: 200
SPT Log Date: 11/05/2023
SPT Log Time: 11:00 AM
SPT Log Location: 100

Logger S No:
IGIS/S/02/23-24

SP (m V)
Logger Model:
DMP1-2

Logger Owned by:
Ground Water
Survey Consultancy
Agra Up India

