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

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.	Defth 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	7
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	,

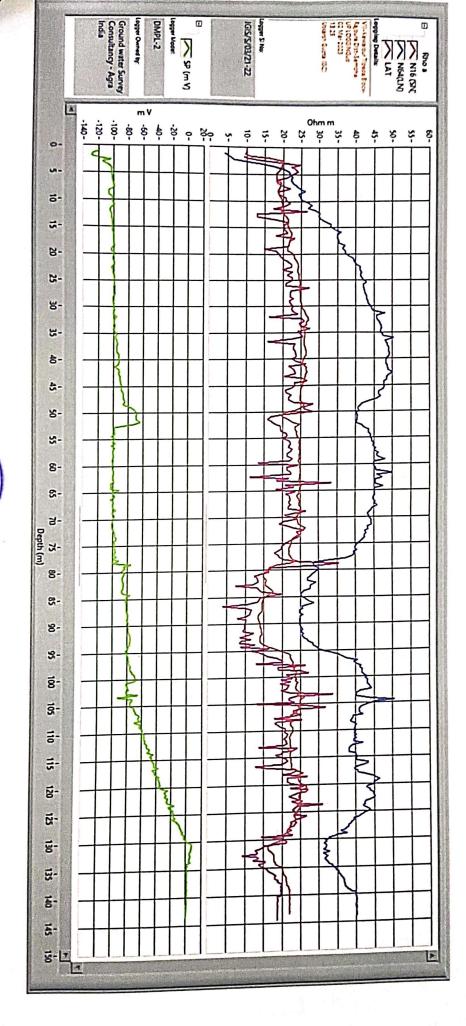


Conclusions and Recommendations:

- 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.
- 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





Survey Consultancy *

Agra