GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 1000

Date:- 18-06-2023

NAME OF SITE

GRAM PANCHAYAT- Megha Nagla BLOCK- Milak DISTT- Rampur

NAME OF AGENCY

M/s NKG Infrastructure Limited
Delhi

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations
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ISO ; 9001 : 2015

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MEGHA NAGLA, 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 18.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 - 14	9	Fine sand	
3.	14 - 17	3	Clay kankar	
4.	17 - 25	8	Fine sand	Medium
5.	25 - 32	7	Clay kankar	
6.	32 - 50	18	Medium sand	Medium
7.	50 - 61	11	Clay kankar	
8.	61 - 87*	26	Medium sand	Medium
9.	87 - 94	7	Clay kankar	
10.	94 - 105*	11	Medium sand	Medium
11.	105 - 116	11	Clay kankar	
12.	116 - 130*	14	Medium sand	Medium
13.	130 - 140	10	Clay kankar	

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

Ground Water Survey Consultancy