

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 1364

Date:- 12-12-2022

NAME OF SITE

Gram Panchayat- Qamruddin Nagar BLOCK- Milak

DISTT- Rampur

NAME OF AGENCY

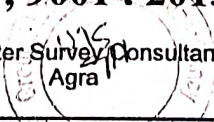
M/s NKG Infrastructure Limited
Delhi



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- QAMRUDDIN NAGAR, 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 12.Dec.2022.

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.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 25	17	Fine sand	
4.	25 - 27	2	Clay	
5.	27 - 35	8	Medium sand	Medium
6.	35 - 45	10	Fine sand	
7.	45 - 58*	13	Medium sand	Medium
8.	58 - 60	2	Clay kankar	
9.	60 - 80*	20	Medium sand	Medium
10.	80 - 85	5	Clay kankar	
11.	85 - 101*	16	Medium sand	Medium
12.	101 - 105	4	Clay kankar	
13.	105 - 112*	7	Fine to Medium sand	Medium
14.	112 - 117	5	Clay kankar	
15.	117 - 132*	15	Medium sand & kankar	Medium
16.	132 - 135	3	Clay kankar	
17.	135 - 140*	5	Medium sand	Medium

Conclusions and Recommendations :-

1. 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.
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

Pco 1
 HISSA
 H6401
 L1

Date: 10/21/22
 Location: HISSA
 Well No: H6401
 Well Depth: 140 m
 Well Type: Open
 Well Status: Active
 Well Owner: HISSA

Log No: 105/S/03/21-22
 Log Date: 10/21/22

E) SP
 logge Water
 DM/L-2
 logge Over 25
 Ground Water Survey/
 Consultancy - Agri
 India

