

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 2211

Date:- 25-10-2023

NAME OF SITE

GRAM PANCHAYAT- Nanakar

BLOCK- Milak

DISTT- Rampur

NAME OF AGENCY

M/s NKG Infrastructure Limited
Delhi



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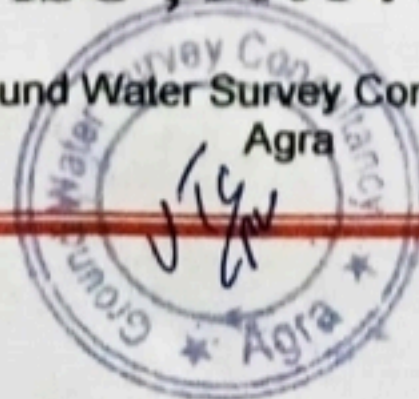
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NANAKAR, BLOCK- MILAK, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

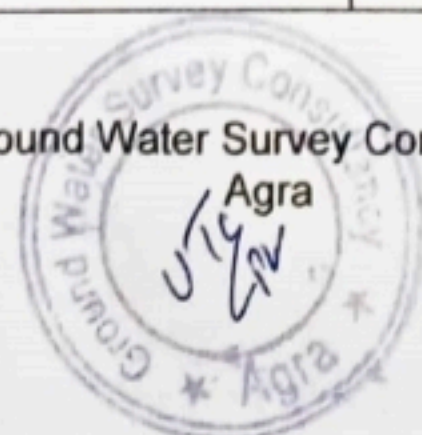
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/s NKG Infrastructure Limited, Delhi.

On the request of M/s NKG Infrastructure Limited, Delhi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Oct.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	5	Clay kankar	
3.	7 - 10	3	Fine sand	Med to Good
4.	10 - 20	10	Clay kankar	
5.	20 - 25	5	Fine to Medium sand	Med to Good
6.	25 - 30	5	Clay kankar	
7.	30 - 35	5	Fine to Medium sand	Med to Good
8.	35 - 38	3	Clay kankar	
9.	38 - 45	7	Medium sand	Med to Good
10.	45 - 48	3	Clay kankar	
11.	48 - 50	2	Fine sand	Med to Good
12.	50 - 54	4	Clay kankar	
13.	54 - 59*	5	Fine to Medium sand	Med to Good
14.	59 - 61	2	Clay kankar	
15.	61 - 83*	22	Medium sand & kankar	Med to Good
16.	83 - 88	5	Clay kankar	
17.	88 - 100*	12	Medium sand & kankar	Med to Good
18.	100 - 110	10	Clay kankar	
19.	110 - 113*	3	Fine to Medium sand	Med to Good
20.	113 - 121	8	Clay kankar	
21.	121 - 126*	5	Medium sand	Med to Good
22.	126 - 140	14	Clay kankar	

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Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Log No: 1000
 Project Name: Ground Water Survey
 Location: Agra
 Date: 25 Oct 2023
 Time: 15:51
 User: Jagan Gada Jagan

Logger SI No:
 IGIS/S/01/10-11

SP (mV)
 Logger Mode:
 DMPL-2
 Logger Owned by:
 Ground Water Survey Consultancy
 Agra UP India

