

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-458

Date:- 17-03-2023

NAME OF SITE

GRAM PANCHAYAT- Anwa

BLOCK- Shahbad

DISTT- Rampur

NAME OF AGENCY

NKG Infrastructure Limited
New Delhi



GROUND WATER SURVEY CONSULTANCY

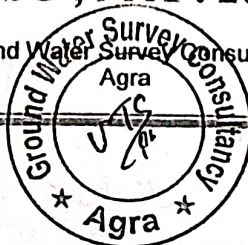
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ANWA, BLOCK- SHAHBAD, DISTT- RAMPUR
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 NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 17.Mar.2023.

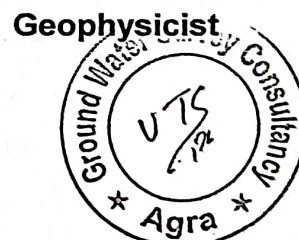
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 20	2	Clay kankar	
4.	20 - 30	10	Fine sand	
5.	30 - 35	5	Clay kankar	
6.	35 - 42	7	Fine to Medium sand	Good
7.	42 - 60	18	Clay kankar	
8.	60 - 96*	36	Medium sand & kankar	Good
9.	96 - 108	12	Clay kankar	
10.	108 - 115*	7	Medium sand	Good
11.	115 - 122	7	Clay kankar	
12.	122 - 134*	12	Medium sand & kankar	Good
13.	134 - 136	2	Clay kankar	
14.	136 - 142*	6	Fine to Medium sand	Good
15.	142 - 150	8	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 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.



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Rho a
 NI6(SV)
 NI4(LN)
 LAT
 Logging Details:
 V - 400V E-3000S P-1.32
 D-1.5m
 U-1000N6.2
 17 May 2023
 15:03
 Uhart G. Saha JSC

Logget Site:
 IGSS/S/03/21-22

SP (m V)
 Logget Logge:
 DMPL-2
 Logget Carret by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

