

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 94

Date:- 05-02-2023

NAME OF SITE

GRAM PANCHAYAT- Pachtor

BLOCK- Suar

DISTT- Rampur

NAME OF AGENCY

NKG Infrastructure Limited
New Delhi



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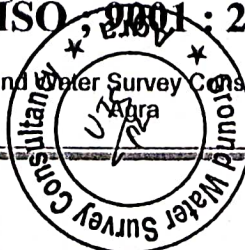
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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ISO 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PACHTOR, BLOCK- SUAR, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

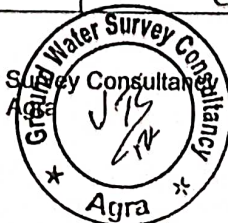
A Deep bore hole was drilled 143 mtrs. depth and logged depth 141 mtrs. at above site was drilled by NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi, a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 05.Feb.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:-

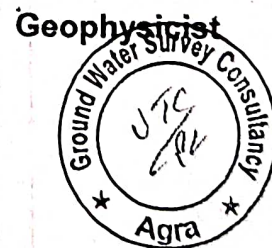
S.No.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Fine sand	
3.	14 - 20	6	Clay kankar	
4.	20 - 26	6	Fine to Medium sand	Good
5.	26 - 31	5	Clay kankar	
6.	31 - 40	9	Fine to Medium sand	Good
7.	40 - 43	3	Clay kankar	
8.	43 - 52	9	Fine to Medium sand	Good
9.	52 - 57	5	Clay kankar	
10.	57 - 88*	31	Medium sand	Good
11.	88 - 100	12	Clay kankar	
12.	100 - 111*	11	Medium sand	Good
13.	111 - 117	6	Clay kankar	
14.	117 - 127*	10	Fine to Medium sand	Good
15.	127 - 133	6	Clay kankar	
16.	133 - 137*	4	Fine to Medium sand	Good
17.	137 - 141	4	Clay kankar	

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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 ρ
N16 (SN)
NS4(LN)
LAT

Logging Details:

Log No: 303
Date: 21-22
Location: Agra
Operator: [illegible]

Logger's Name:
IGIS/303/21-22

SR (m V)

Logger's Name:
DMP-2
Logger's Name:
Ground Water Survey
Constancy - Agra
India

