

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 963

Date:- 05-10-2022

NAME OF SITE

GRAM PANCHAYAT- Barakhas BLOCK- Milak DISTT- Rampur

NAME OF AGENCY

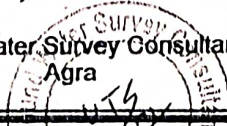
NKG Infrastructure Limited
New Delhi



GROUND WATER SURVEY CONSULTANCY
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- BARAKHAS, BLOCK- MILAK, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

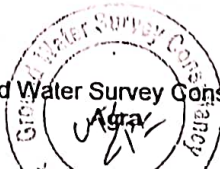
A Deep bore hole was drilled 150 mtrs. depth and logged depth 150 mtrs. at above site was drilled by NKG Infrastructure Limited, New Delhi.

On the request of NKG Infrastructure Limited, New Delhi. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 05.Oct.2022.

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 - 10	5	Sandy clay	
3.	10 - 15	5	Clay kankar	
4.	15 - 44	29	Medium sand	Good
5.	44 - 49	5	Clay kankar	
6.	49 - 60*	11	Medium sand	Good
7.	60 - 66	6	Clay kankar	
8.	66 - 114*	48	Medium sand & Kankar	Good
9.	114 - 119	5	Clay kankar	
10.	119 - 150*	31	Medium sand	Good

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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.

Geophysicist



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Rho J
 H64 (U)
 LAT

SECTION
 19271 / 19272
 No. of Data Points
 100
 DATE
 24 Oct 2012
 TIME
 1:30
 CONCENTRATION
 1000000
 NO. OF SCANS
 100

H SP

