

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-560

Date:- 19-05-2023

NAME OF SITE

GRAM PANCHAYAT- Nawabpura

BLOCK- Shahbad

DISTT- Rampur

NAME OF AGENCY

NKG Infrastructure Limited
New Delhi



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy

Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAWABPURA, BLOCK- SHAHBAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth and logged depth 134 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 19.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 - 10	5	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 25	10	Fine sand	Medium
5.	25 - 32	7	Clay kankar	
6.	32 - 77*	45	Medium sand	Medium
7.	77 - 80	3	Clay kankar	
8.	80 - 92*	12	Medium sand	Medium
9.	92 - 105	13	Clay kankar	
10.	105 - 120*	15	Medium sand & kankar	Medium
11.	120 - 134	14	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 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

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Project No. _____
Date of Survey _____
Location _____
Client _____
Scale _____
Sheet No. _____

Project No: GSS/S/03/21-22

Project Name:  KSP

Date: 21/02/22

Survey Done by: _____

GROUND WATER
SURVEY
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- AGRA, INDIA

