

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 1424

Date:- 22-12-2022

NAME OF SITE

GRAM PANCHAYAT- Kala Khera

BLOCK- Hasanpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREET, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



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

UJK

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KALA KHERA, BLOCK- HASANPUR,  
DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.Dec.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 25	20	Clay kankar	
3.	25 - 40	15	Medium sand	Medium
4.	40 - 43	3	Clay kankar	
5.	43 - 52*	9	Medium sand	Medium
6.	52 - 59	7	Clay kankar	
7.	59 - 81*	22	Medium sand	Medium
8.	81 - 86	5	Clay kankar	
9.	86 - 126*	40	Medium sand	Medium
10.	126 - 130	4	Clay kankar	

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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**

JTC  
GK

**Ground Water Survey Consultancy**

Rho a  
 N 165M  
 N 64 QUT  
 LAT

LOG No: 198/198  
 BORE: 100/100  
 DATE: 2001.03.28  
 TIME: 11:30  
 OPERATOR: M. S. KHAN  
 INSTRUMENT: VA DEPT.

SP

