

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1965

Date:- 22-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Kakora

BLOCK- Kadarchowk

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

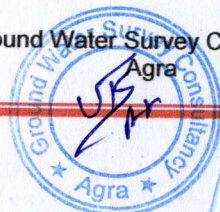
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAKORA, BLOCK- KADARCHOWK,  
DISTT- BADAUN

UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 22.Oct.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 - 8	3	Clay	
3.	8 - 15	7	Fine sand	
4.	15 - 25	10	Clay kankar	
5.	25 - 53*	28	Medium sand	Medium
6.	53 - 64	11	Clay kankar	
7.	64 - 82*	18	Medium sand	Medium
8.	82 - 115	33	Clay kankar	
9.	115 - 118	3	Fine sand	Medium
10.	118 - 135	17	Clay kankar	

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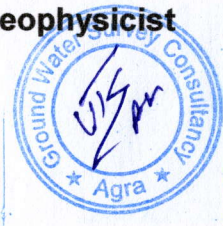




**Conclusions and Recommendations :-**

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 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**



Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging GP Katora Block  
Kadirchowk Dist Budaun  
UP UCCGNGUP  
22 Oct 2023  
16.53  
Uttaranch Guna (AG)

Logger SI No:  
IGIS/S/01/21-22

SP (m V)  
Logger Model:  
DMPL-2  
Logger Owned by:

GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, India

