

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2620

Date:-14-12-2023

### NAME OF SITE

GRAM PANCHAYAT- Kaimi Chakwa      BLOCK- Mion      DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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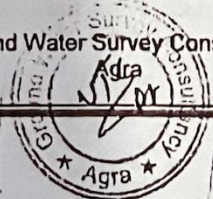
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAIMI CHAKWA, BLOCK- MION, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 132 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 14.Dec.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 - 15	10	Fine sand	
3.	15 - 29	14	Clay kankar	
4.	29 - 45	16	Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 65*	15	Medium sand	Medium
7.	65 - 78	13	Clay kankar	
8.	78 - 89*	11	Medium sand	Medium
9.	89 - 92	3	Clay kankar	
10.	92 - 106*	14	Fine to Medium sand	Medium
11.	106 - 132	26	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.

**Geologist**



