

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2970

Date:- 23-01-2024

**NAME OF SITE**

GRAM PANCHAYAT- Mamooranj

BLOCK- Kadarchowk

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

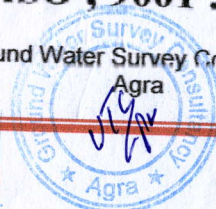
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAMOORGANJ, BLOCK- KADARCHOWK, DISTT- BADAUN  
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, 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 23.Jan.2024.

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 - 20	5	Clay kankar	
4.	20 - 27	7	Fine to Medium sand	Medium
5.	27 - 32	5	Clay kankar	
6.	32 - 55	23	Medium sand	Medium
7.	55 - 60	5	Clay kankar	
8.	60 - 67*	7	Fine to Medium sand	Medium
9.	67 - 80	13	Clay kankar	
10.	80 - 85	5	Fine sand	Medium
11.	85 - 95	10	Clay kankar	
12.	95 - 104*	9	Medium sand	Medium
13.	104 - 106	12	Clay kankar	
14.	106 - 113*	7	Fine to Medium sand	Medium
15.	113 - 121	8	Clay kankar	
16.	121 - 125	4	Fine sand	Medium
17.	125 - 130	5	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**



Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging Details:

logging by masroqurri  
socio qadiri chowk datt  
badaun  
UP LOGGING  
23 Jan 2024  
14:43  
udarah guntalagar)

logger S/noc  
IGIS/S/01/10-11

SP (m V)  
Logger Model:  
DMPL-2

Logger Owned by:  
Ground Water  
Survey Consultancy  
Agra UP India  
India

