

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-N-1144

Date:- 11-02-2023

**NAME OF SITE**

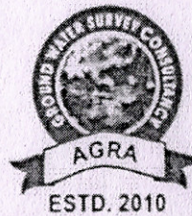
Gram Panchayat- Palia

BLOCK- Bisauli

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

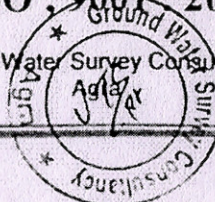
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PALIA, BLOCK- BISAULI, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

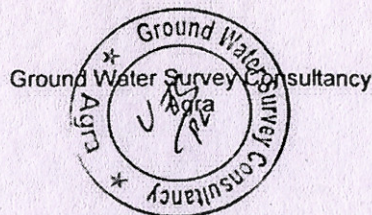
## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 11.Feb.2023.

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:-

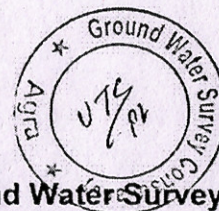
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 29	9	Clay kankar	
4.	29 - 45	16	Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 55*	5	Medium sand	Medium
7.	55 - 63	8	Clay kankar	
8.	63 - 65	2	Fine sand	Medium
9.	65 - 70	5	Clay kankar	
10.	70 - 77*	7	Medium sand	Medium
11.	77 - 82	5	Clay kankar	
12.	82 - 92*	10	Medium sand	Medium
13.	92 - 105	13	Clay kankar	
14.	105 - 110*	5	Medium sand	Medium



**Conclusions and Recommendations :-**

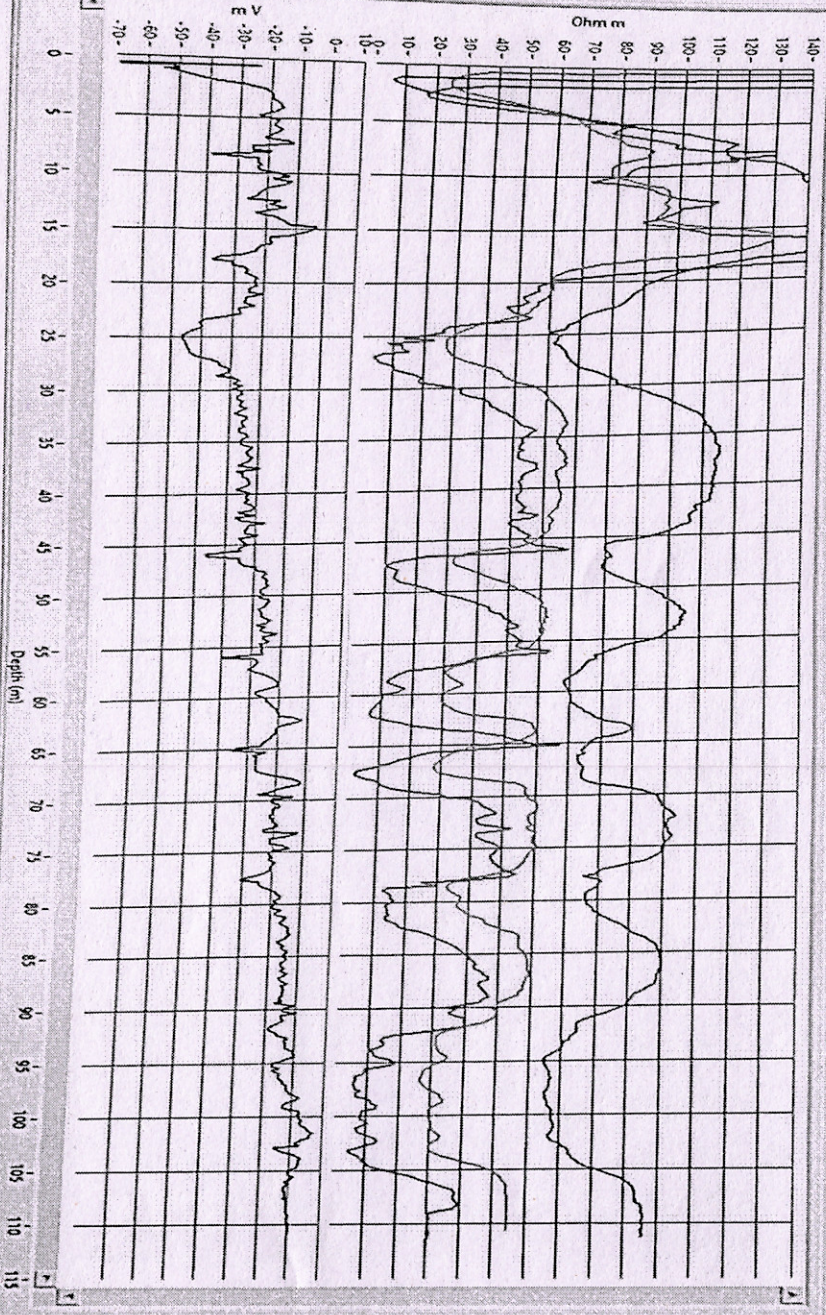
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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**

No. 3  
 NIS (N)  
 NIS (N)  
 NIS (N)  
 LAT  
 130° 55' 30" E  
 24° 30' 00" N  
 1:50,000  
 Sheet G-27143



50 (m V)  
 10

