

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-B-61

Date:- 20-04-2024

NAME OF SITE '1111

Gram Panchayat- Antar      BLOCK- Dahagawan      DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun

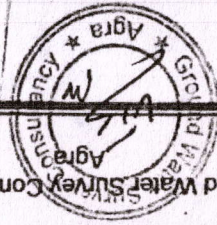


**GROUND WATER SURVEY CONSULTANCY**

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- ANTAR, BLOCK- DAHAGAWAN, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 90 mtrs. depth. and Logged depth 90 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 in the above bore hole using IGIS Well Logger on 20 April 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 - 8	3	Clay kankar	
3.	8 - 10	2	Fine sand	
4.	10 - 14	4	Clay kankar	
5.	14 - 28	14	Medium sand	Medium
6.	28 - 36	8	Clay kankar	
7.	36 - 56*	20	Medium sand	Medium
8.	56 - 60	4	Clay kankar	
9.	60 - 68*	8	Medium sand	Medium
10.	68 - 73	5	Clay kankar	
11.	73 - 80	7	Fine sand	Medium
12.	80 - 83	3	Clay kankar	
13.	83 - 86	3	Fine sand	Marginally
14.	86 - 90	4	Clay kankar	



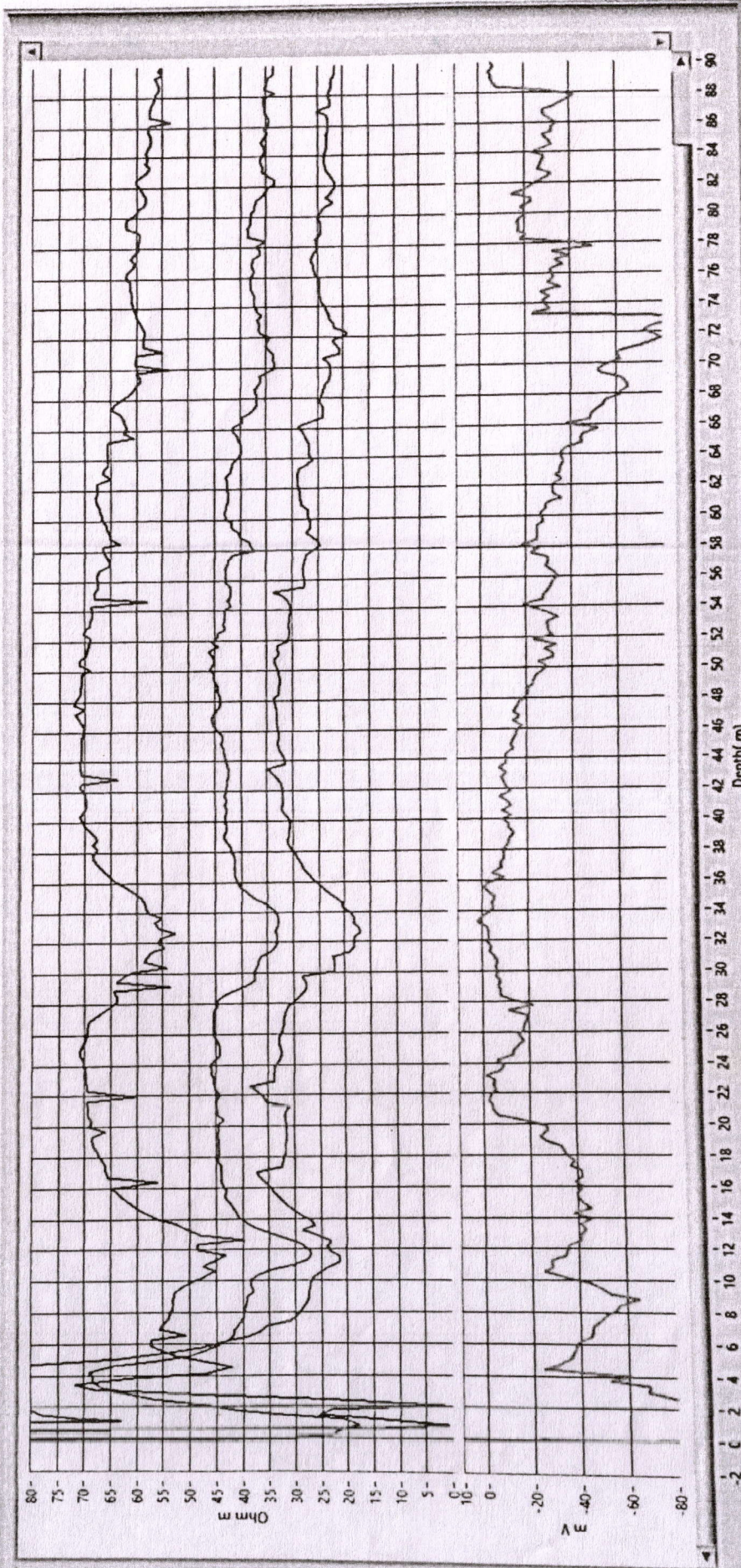
**Conclusions and Recommendations :-**

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 tube well.
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  
 N 16(SM)  
 N 64(LN)  
 LAT

Location:  
 Plotting of Area Block  
 Distance: 2.15 Station  
 Log No:  
 200-000-102-5  
 2-89  
 22 Apr 2024  
 7.00  
 12.27  
 Operator:  
 Suman Kumar, A.S.  
 In-charge

Logger S No  
 IGIS/01/10-11

SP  
 Logger Model  
 DMPL-2

Logger Owned By  
 Ground Water  
 Survey Consultancy  
 Agra UP India  
 India

