

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2559

Date:- 30-01-2024

**NAME OF SITE**

Gram Panchayat- Afzalpur Budoti      BLOCK - Dahagawan      DISTT - Badam

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badam



**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- AFZALPUR BUDOTI, BLOCK- DAHAGAWAN, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 30.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	Dry sand	
3.	15 - 20	5	Fine sand	
4.	20 - 30	10	Clay kanakar	
5.	30 - 35	5	Medium sand	Medium
6.	35 - 55	20	Clay kanakar	
7.	55 - 80*	25	Medium sand	Medium
8.	80 - 90	10	Clay kanakar	
9.	90 - 95	5	Fine sand	Medium
10.	95 - 118	23	Clay kanakar	
11.	118 - 127*	9	Medium sand	Medium
12.	127 - 140	13	Clay kanakar	

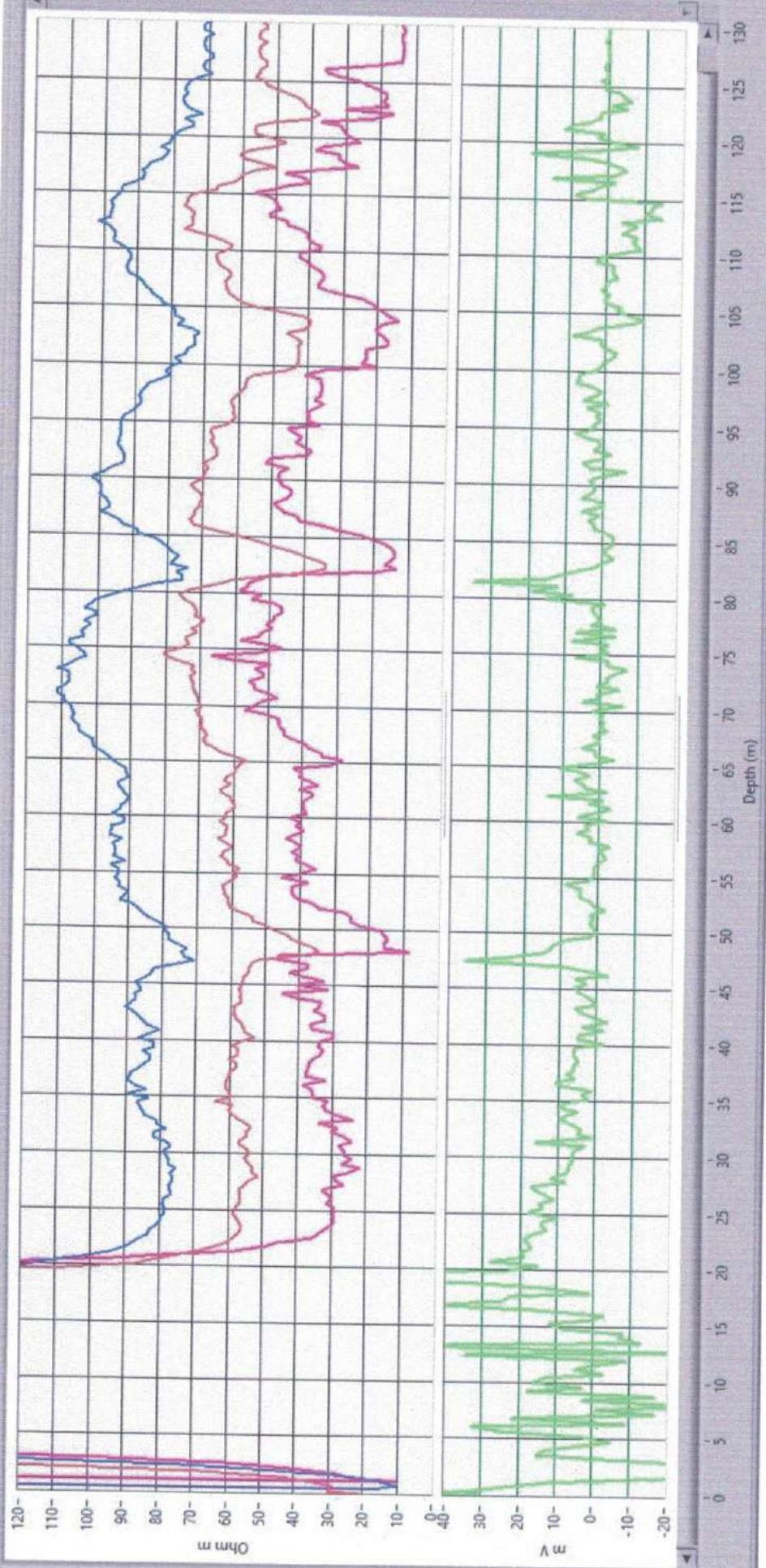


**Conclusions and Recommendations :-**

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 GP Lakh Handpur  
 Bikaner Salwar Dam Budaula  
 UP LG55NGUP  
 31 Jan 2024  
 18:22  
 Ultimate Geos (AG)

Logger 2 No:  
 IG15/S/01/21-22

SP (mV)  
 Logger Model:  
 DMPL-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

