

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

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

Ref No:-A-1892

Date:- 16-10-2023

**NAME OF SITE**

GRAM PANCHAYAT - Kolhai      BLOCK - Sahaswan      DISTT - Badam

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badam



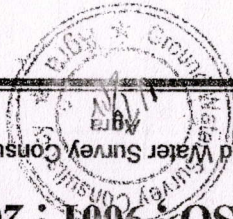
**GROUND WATER SURVEY CONSULTANCY**

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-KOLHAI, BLOCK-SAHASWAN,

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 is conduct

at above bore hole using IGIS Well Logger on 16.Oct.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 - 14	9	Dry sand	
3.	14 - 24	10	Clay kanakar	
4.	24 - 30	6	Fine sand	
5.	30 - 42	12	Medium sand	Medium
6.	42 - 56	14	Clay kanakar	
7.	56 - 80*	24	Medium sand	Medium
8.	80 - 85	5	Clay kanakar	
9.	85 - 96*	11	Medium sand	Medium
10.	96 - 115	19	Clay kanakar	
11.	115 - 121*	6	Medium sand	Medium
12.	121 - 123	2	Clay kanakar	
13.	123 - 127	4	Medium sand	Medium
14.	127 - 140	13	Clay kanakar	

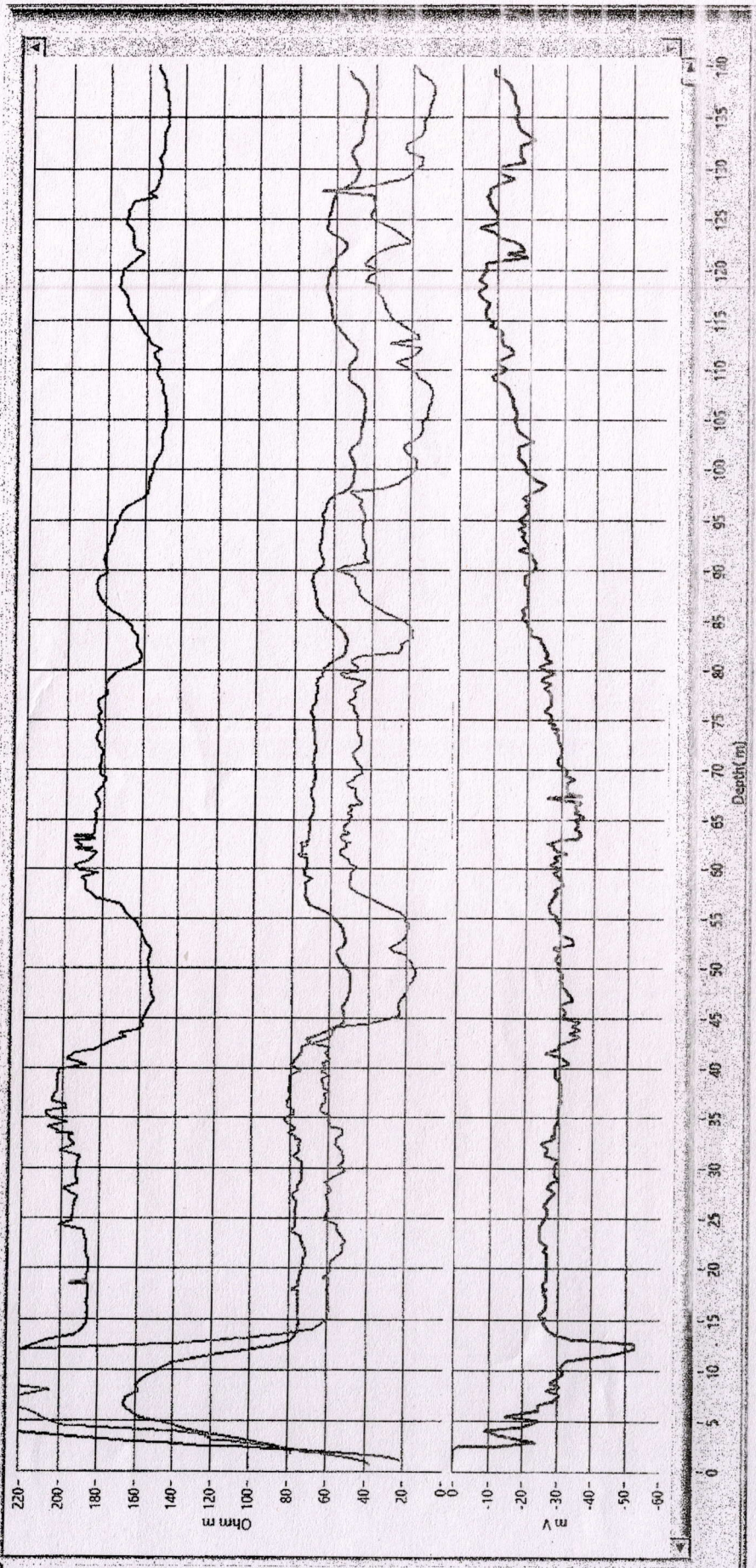


**Conclusions and Recommendations :-**

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.



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Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT  
 Location: Logging Gp. 10000 2000  
 Sp. 10000 2000 2000  
 Log No. DOWN LOGS MEDIAN  
 Date: 15 Oct 2023  
 Time: 21:45  
 Operator: [unclear]  
 Unit: G-018 4G  
 No. 0001

Log No: (SIS/01/21-22)

SP  
 Logger Model: DMPL-2

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

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