

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2395

Date:- 20-12-2023

**NAME OF SITE**

Gram Panchayat- Parmu

BLOCK- Sahaswan

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PARMU, 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 in the above bore hole using IGIS Well Logger on 20 Dec.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 - 15	10	Clay kankar	
3.	15 - 36	21	Medium sand	Medium
4.	36 - 50	14	Clay kankar	
5.	50 - 57*	7	Medium sand	Medium
6.	57 - 61	4	Clay kankar	
7.	61 - 70*	9	Medium sand	Medium
8.	70 - 81	11	Clay kankar	
9.	81 - 86*	5	Medium sand	Medium
10.	86 - 106	20	Clay kankar	
11.	106 - 125*	19	Medium sand & kankar	Medium
12.	125 - 140	15	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**



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Logger Model:  
DMPH-2  
SP (m V)

Logger S No:  
IGIS/S/04/21-23

Logging Details:  
No. of Spikes: 300  
No. of Data Points: 300  
Date: 21/04/2023

Rho a  
NIB (SM)  
NOB (LN)  
LAT

