

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-1834

Date:- 10-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Semara Vanvirpur BLOCK- Sahaswan DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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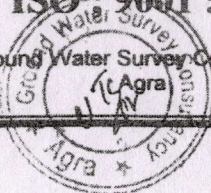
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SEMARA VANVIRPUR, BLOCK- SAHASWAN, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

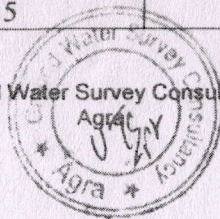
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 10.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 - 35	21	Clay kankar	
4.	35 - 44	9	Medium sand	Medium
5.	44 - 56	12	Clay kankar	
6.	56 - 64*	8	Medium sand	Medium
7.	64 - 73	9	Clay kankar	
8.	73 - 82*	9	Medium sand	Medium
9.	82 - 86	4	Clay kankar	
10.	86 - 99*	13	Medium sand	Medium
11.	99 - 115	16	Clay kankar	
12.	115 - 125*	10	Medium sand	Medium
13.	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.

**Geophysicist**



**Ground Water Survey Consultancy**



Rho a  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging Details:  
 Logging ID: S-1000  
 Well Name: S-1000  
 Date: 10 Oct 2013  
 15.23  
 User: S-1000

Logger S No: IG/S/O1/21-22

Logger Model: DMP-2  
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY Agra, UP, India

