

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SVADESHPUR, BLOCK- BISAULI, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

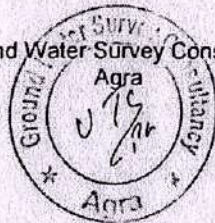
A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 17.May.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 18	13	Dry sand	
3.	18 - 25	7	Clay	
4.	25 - 42	17	Fine sand	Med to Good
5.	42 - 53	11	Clay kankar	
6.	53 - 65*	12	Medium sand	Med to Good
7.	65 - 67	2	Kankar	
8.	67 - 90*	23	Medium sand	Med to Good
9.	90 - 110	20	Clay kankar	

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**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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 to Good.
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  
 NI6 (SN)  
 NI6(LN)  
 LAT  
 Logging Details  
 Log No: 57  
 Date: 15/01/21  
 Time: 10:30  
 Location: G-10A  
 Operator: G-10A  
 Logger S No  
 IGIS/S/O/1/21-22  
 DMP L-2  
 Logger Model  
 SP (m V)  
 Logger Overby  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

