

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-2774

Date:- 28-12-2023

**NAME OF SITE**

Gram Panchayat- Sithauli

BLOCK- Islamnagar

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

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

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**ISO ; 9001 : 2015**

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Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SITHAULI, BLOCK- ISLAMNAGAR, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 28.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 - 21	16	Dry sand	
3.	21 - 34	13	Clay kankar	
4.	34 - 50	16	Fine to Medium sand	Medium
5.	50 - 64	14	Clay kankar	
6.	64 - 82*	18	Medium sand & kankar	Medium
7.	82 - 87	5	Clay kankar	
8.	87 - 99*	12	Medium sand	Medium
9.	99 - 108	9	Clay kankar	
10.	108 - 120*	12	Fine to Medium sand	Medium

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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.



Rho a  
 NI6 (SN)  
 N64(LN)  
 LAT  
 Logging Details:  
 Logging in 0.5m interval  
 0.5m interval  
 20 Dm 523  
 15-04  
 Model

Logger 2 file:  
 IGIS\_S01/10-11

Logger Model:  
 SP (m V)  
 DMP-L 2  
 Logger Owned by:

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