

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-1267

Date:- 11-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Jhuksa

BLOCK- Samrer

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**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JHUKSA, BLOCK- SAMRER, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 11.July.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 - 10	5	Clay kankar	
3.	10 - 18	8	Fine sand	
4.	18 - 23	5	Clay kankar	
5.	23 - 31	8	Fine to Medium sand	Medium
6.	31 - 37	6	Clay kankar	
7.	37 - 61*	24	Medium sand	Medium
8.	61 - 70	9	Clay kankar	
9.	70 - 97*	27	Medium sand & kankar	Medium
10.	97 - 100	3	Clay kankar	
11.	100 - 115*	15	Fine to Medium sand	Medium
12.	115 - 118	3	Clay kankar	
13.	118 - 123*	5	Fine to Medium sand	Medium
14.	123 - 130	7	Clay kankar	



**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  
 NI6 (SN)  
 NI6(LN)  
 LAT

**Logging Details:**  
 017 71 20 201, P-01a  
 SOCIETY FOR GROUND WATER SURVEY AND CONSULTANCY  
 U-1056 NAGAR  
 11000113  
 1332  
 (Date of print: 02/23/24)

Logger Site No:  
 IGIS/S/02/23-24

Logger Model:  
 DMPL-2

Logger Owned by:  
 Ground Water Survey Consultancy  
 Agra UP India

