

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-917

Date:- 13-06-2023

### NAME OF SITE

GRAM PANCHAYAT- Anandpur

BLOCK- Mion

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- ANANDPUR, BLOCK- MION, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 134 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 13.June.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 - 17	7	Sandy clay	
4.	17 - 25	8	Fine sand	
5.	25 - 32	7	Clay kankar	
6.	32 - 41	9	Fine to Medium sand	Good
7.	41 - 51	10	Clay kankar	
8.	51 - 65*	14	Medium sand	Good
9.	65 - 80	15	Clay kankar	
10.	80 - 98*	18	Medium sand & kankar	Good
11.	98 - 108	10	Clay kankar	
12.	108 - 121*	13	Fine to Medium sand	Good
13.	121 - 125	4	Clay kankar	
14.	125 - 130	5	Fine sand	Good
15.	130 - 134	4	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 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**

Reel  
N 18 24  
M 11 21  
LAT

Logging Sheet

DATE  
05/02/21

Sheet No.  
01

PROJECT  
GROUND WATER  
SAMPLING  
CONSULTANCY  
ASA JCR 2021

