

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2191

Date:- 09-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Banbausari

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- BANBAUSARI, BLOCK- MION, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

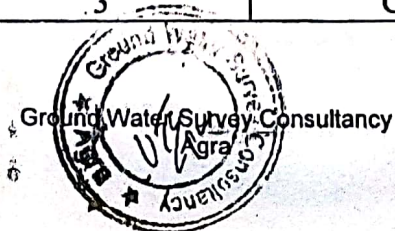
## Introduction :

A Deep bore hole was drilled 135 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 09.Nov.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	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 24	9	Medium sand	Medium
5.	24 - 30	6	Clay kankar	
6.	30 - 39	9	Medium sand	Medium
7.	39 - 45	6	Clay kankar	
8.	45 - 52*	7	Medium sand	Medium
9.	52 - 57	5	Clay kankar	
10.	57 - 65*	8	Medium sand	Medium
11.	65 - 77	12	Clay kankar	
12.	77 - 95*	18	Medium sand & kankar	Medium
13.	95 - 125	30	Clay kankar	
14.	125 - 127	2	Sandy clay	
15.	127 - 130	3	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.



**Ground Water Survey Consultancy**

B Rhos  
 NI6 (SN)  
 NS4(LN)  
 LAT  
 Logging Details  
 Logging Co. Bureau  
 Field No. D-22  
 UP LOGGING  
 99 No. 2013  
 14.11  
 Upreti Geom (P)  
 Logger S No.  
 IG/S/01/21-22  
 Logger Model  
 DHAPL-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

