

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2385

Date:-18-12-2023

### NAME OF SITE

GRAM PANCHAYAT- Bhatauli

BLOCK- Dataganj

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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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHATAULI, BLOCK- DATAGANJ, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

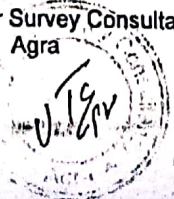
A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 18.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 - 12	7	Clay kankar	
3.	12 - 17	5	Medium sand	
4.	17 - 25	8	Clay kankar	
5.	25 - 40	15	Medium sand	Medium
6.	40 - 45	5	Clay kankar	
7.	45 - 62*	17	Medium sand	Medium
8.	62 - 69	7	Clay kankar	
9.	69 - 77*	8	Medium sand	Medium
10.	77 - 87	10	Clay kankar	
11.	87 - 90	3	Fine sand	Medium
12.	90 - 93	3	Clay kankar	
13.	93 - 110*	17	Medium sand & kankar	Medium
14.	110 - 120	10	Clay kankar	
15.	120 - 126*	6	Medium sand	Medium
16.	126 - 130	4	Clay kankar	

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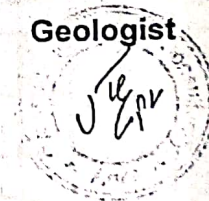




**Conclusions and Recommendations :-**

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.

Geologist





Rho a  
 NI6(SN)  
 NI4(LN)  
 LAT  
 Logging Details  
 Logging by: Prasad Kumar  
 Checked by: Prasad Kumar  
 Date: 14 Dec 2023  
 17:00  
 User: Suresh AGC

Logger S No.  
 LOGS/NI6/23-22

E  
 SP (m V)  
 Logger Model  
 DLAB 2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA INDIA

