

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-213.

Date:- 23-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Har HarPuransinghpur      BLOCK- Ujhani      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

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HAR HARPURANSINGHPUR, BLOCK- UJHANI, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

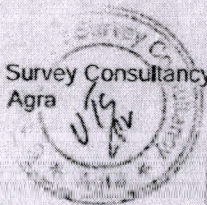
A Deep bore hole was drilled 140 mtrs. depth, and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 23.Oct.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 - 17	7	Clay kankar	
4.	17 - 34	17	Medium sand	Medium
5.	34 - 40	6	Clay kankar	
6.	40 - 50*	10	Medium sand	Medium
7.	50 - 56	6	Clay kankar	
8.	56 - 62*	6	Fine to Medium sand	Medium
9.	62 - 73	11	Clay kankar	
10.	73 - 94*	21	Medium sand	Medium
11.	94 - 114	20	Clay kankar	
12.	114 - 124	10	Fine to Medium sand	Medium
13.	124 - 131	7	Clay kankar	
14.	131 - 135*	4	Fine sand	Medium
15.	135 - 140	5	Clay kankar	
16.				
17.				

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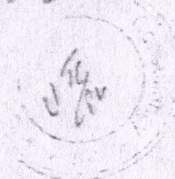




**Conclusions and Recommendations :-**

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.

Geophysicist



Ground Water Survey Consultancy



Rho a  
N16 (SAC)  
N64(LN)  
LAT

Logging Details  
Borehole: D16  
Date: 21/11/2011  
Time: 11:30  
Operator: Suresh A.S.

Logger D File  
IGIS/S/O1/21-22

SP (m V)

Logger Name  
DNP-2

Logger Created By  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA UP, India

