

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2177

Date:- 23-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Patar Chauha

BLOCK- Sahaswan

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

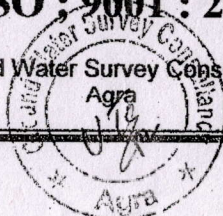
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PATAR CHAUHA, BLOCK- SAHASWAN, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

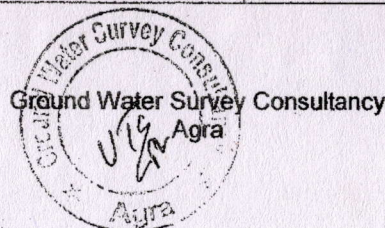
## Introduction :

A Deep bore hole was drilled <sup>130</sup>~~140~~ mtrs. depth. and Logged depth <sup>130</sup>~~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 - 17	12	Clay kankar	
3.	17 - 26	9	Fine sand	
4.	26 - 30	4	Clay kankar	
5.	30 - 45	15	Medium sand	Medium
6.	45 - 52	7	Clay kankar	
7.	52 - 55	3	Fine sand	Medium
8.	55 - 59	4	Clay kankar	
9.	59 - 73*	14	Medium sand	Medium
10.	73 - 86	13	Clay kankar	
11.	86 - 90	4	Fine sand	Medium
12.	90 - 105	15	Clay kankar	
13.	105 - 127*	22	Medium sand	Medium
14.	127 - 133	6	Clay kankar	
15.	133 - 140*	7	Fine to Medium sand	Medium

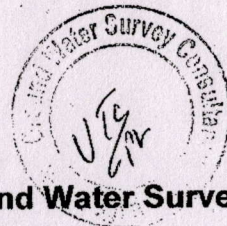




**Conclusions and Recommendations :-**

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)  
 NG4(LN)  
 LAT  
 Logging Details  
 Logging G2 Start Channel  
 Block/Parameter/Dir  
 Eddart  
 UP LOGGINGUP  
 23 Oct 2022  
 12237  
 (Depth: 6023 (A6))

Logger S/N: IG/S/01/21-22

SP (m V)  
 Logger Model: DMPL-2  
 Logger Owned by:

GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

