

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-B-1246

Date:-09-07-2023

NAME OF SITE

GRAM PANCHAYAT- Nabada Badan

BLOCK- Dataganj

DISTT- Badaun

NAME OF AGENCY

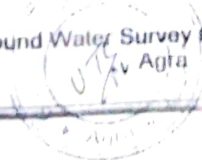
M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

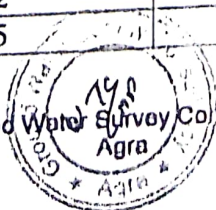
A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 132 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.July.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 - 8	3	Dry sand	
3.	8 - 13	5	Clay kankar	
4.	13 - 18	5	Fine sand	
5.	18 - 25	7	Clay kankar	
6.	25 - 37	12	Medium sand	Good
7.	37 - 48	11	Clay kankar	
8.	48 - 72*	24	Medium sand	Good
9.	72 - 75	3	Clay kankar	
10.	75 - 85*	10	Medium sand	Good
11.	85 - 101	16	Clay kankar	
12.	101 - 117*	16	Medium sand	Good
13.	117 - 125	8	Clay kankar	
14.	125 - 127	2	Fine sand	Good
15.	127 - 132	5	Clay knakar	

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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 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**

Rho 1  
 N16 (SN)  
 NS4(LN)  
 LAT

Logger's file:  
 IGIS/S/02/23-24

Logger Model:  
 DMPL-2  
 Logger Overed by:  
 Ground Water  
 Survey/Consultancy  
 Agre Up India

