

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-1737

Date:- 30-09-2023

**NAME OF SITE**

GRAM PANCHAYAT- Navda Sulhara

BOCK- Jagat

DISTT- Badaun

**NAME OF AGENCY**

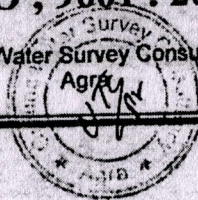
M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAVDA SULHARA, BLOCK- JAGAT, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 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 30.Sep.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 - 20	15	Dry sand	
3.	20 - 30	10	Fine sand	
4.	30 - 40	10	Clay kankar	
5.	40 - 45	5	Medium sand	Medium
6.	45 - 50	5	Clay kankar	
7.	50 - 79*	29	Medium sand	Medium
8.	79 - 95	16	Sandy clay	
9.	95 - 110	15	Clay kankar	
10.	110 - 120*	10	Fine to Medium sand	Medium
11.	120 - 130	10	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.

**Geophysicist**



**Ground Water Survey Consultancy**

**Flow**  
 M16 (SK)  
 M64 (L)  
 L17  
 Logging Details  
 Logging @ Barua Subbar  
 Barua, Jorhat, Assam  
 on 10/06/2013  
 10:30 AM  
 7831  
 Unsur Geom (AG)

Logbook S No.  
 ISS/S/02/22-23

B  
 SP (m V)  
 Logger Model  
 DMR-2  
 Logger Owned By  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

