

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-A-2392

Date:- 20-12-2023

**NAME OF SITE**

Gram Panchayat- Nanakhera Pukhta

BLOCK- Ujhani

DISTT- Badaun

**NAME OF AGENCY**

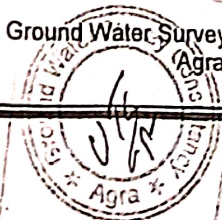
M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NANAKHERA PUKHTA, BLOCK- UJHANI, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

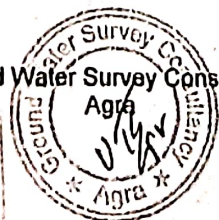
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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 - 8	3	Clay	
3.	8 - 11	3	Fine to Medium sand	Medium
4.	11 - 20	9	Clay kankar	
5.	20 - 29	9	Medium sand	Medium
6.	29 - 31	2	Clay kankar	
7.	31 - 37	6	Medium sand	Medium
8.	37 - 50	13	Clay kankar	
9.	50 - 54*	4	Medium sand	Medium
10.	54 - 60	6	Clay kankar	
11.	60 - 67*	7	Medium sand	Medium
12.	67 - 72	5	Clay kankar	
13.	72 - 76*	4	Medium sand	Medium
14.	76 - 94	18	Clay kankar	
15.	94 - 105*	11	Medium sand	Medium
16.	105 - 110	5	Clay kankar	
17.	110 - 121*	11	Medium sand	Medium
18.	121 - 140	19	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.





Rno 2  
N 163(N)  
N 64 (N)  
LAT

Location:  
Log No. N 163(N)  
Sheet No. N 64 (N)  
Date: 22 Dec 2011  
Scale: 1:5000  
Operator: Uday Kumar IAS  
In-charge: M. Senthil

Project No.: KGS/2011/22

Project Name:  SP

Project Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- ASHRAHOLA

