

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-300

Date:- 01-05-2023

**NAME OF SITE**

GRAM PANCHAYAT- Tikri Pukhta

BLOCK- Mion

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- TIKRI PUKHTA, BLOCK- MION,  
DISTT.- BADAUN

UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 01.May.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 - 7	2	Dry sand	
3.	7 - 12	5	Fine sand	
4.	12 - 18	6	Clay kankar	
5.	18 - 28	10	Fine to Medium sand	Medium
6.	28 - 35	7	Clay kankar	
7.	35 - 40	5	Fine to Medium sand	Medium
8.	40 - 44	4	Clay kankar	
9.	44 - 55	11	Medium sand	Medium
10.	55 - 64	9	Clay kankar	
11.	64 - 74*	10	Medium sand	Medium
12.	74 - 79	5	Clay kankar	
13.	79 - 88*	9	Fine to Medium sand	Medium
14.	88 - 99	11	Clay kankar	
15.	99 - 108*	9	Fine to Medium sand	Medium
16.	108 - 110	2	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**



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Bore 1  
 NIS INC  
 NAGPUR  
 LAT  
 Survey Details:  
 Water Survey Area  
 Water Control  
 OF CANNARA  
 21/08/2023  
 20/11  
 Survey Station (SC)  
 Survey Date

Bore 2 Line  
 IGS/S/02/72-23

B  
 SP (m V)  
 Survey Details:  
 DHP-2  
 Survey Details:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

