

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-17

Date:- 20-04-2024

### NAME OF SITE`1111

Gram Panchayat- Maujuddin Nagar

BLOCK- Islamnagar

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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAJUDDIN NAGAR, BLOCK- ISLAMNAGAR, 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 in the above bore hole using IGIS Well Logger on 20.April.2024.

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 - 18	13	Dry sand	
3.	18 - 40	12	Clay kankar	
4.	40 - 45	5	Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 53	3	Fine sand	Medium
7.	53 - 67	17	Clay kankar	
8.	67 - 93*	26	Medium sand & kankar	Medium
9.	93 - 102	9	Clay kankar	
10.	102 - 117*	15	Medium sand	Medium
11.	117 - 123	6	Clay kankar	
12.	123 - 125*	2	Medium sand	Medium
13.	125 - 130	5	Sandy clay	

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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 tube well.
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.



**Geologist**

Rho a  
 NI6 (SN)  
 NI6(LIN)  
 LAT  
 Logging Details:  
 Logging GP: Nagardan  
 Nagar Seck: Samragar  
 Dist: Budan  
 UP (LOGGING):  
 20 Apr 2024  
 16:55  
 Username: Gupta (AG)

Logger SI No:  
 IGIS/S/01/10-11

Logger Model:  
 DMP1-2  
 SP (m V)

Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India  
 India

