

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1754

Date:- 02-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Madarpur

BLOCK- Dahagawan

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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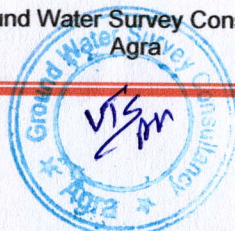
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- MADARPUR, BLOCK- DAHAGAWAN,  
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 02.Oct.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	Medium sand	Medium
4.	11 - 15	4	Clay kankar	
5.	15 - 35	20	Medium sand	Medium
6.	35 - 43	8	Clay kankar	
7.	43 - 54*	11	Medium sand	Medium
8.	54 - 60	6	Clay kankar	
9.	60 - 64*	4	Fine to Medium sand	Medium
10.	64 - 80	16	Clay kankar	
11.	80 - 90*	10	Fine to Medium sand	Medium
12.	90 - 105	15	Fine sand	Medium
13.	105 - 120*	15	Fine to Medium sand	Medium
14.	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**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location: Logging GP Madapur  
 Block Sarawan Dist  
 Budhan  
 Log No.: UP LOGGINGUP  
 Date: 02 Oct 2023  
 Time: 16:09  
 Operator: Ushant Gupta (AG)  
 Well Depth:

Logger Site: IGIS/S/02/22-23

Logger Model: SP  
 DMPL-2  
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA

