

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:-A-2557

Date:- 28-01-2024

NAME OF SITE

Gram Panchayat- Manwa

BLOCK- Wazirganj

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY

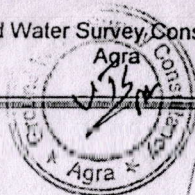
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MANWA, BLOCK- WAZIRGANJ, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 138 mtrs. depth. and Logged depth 136 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 28.Jan.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 - 19	14	Dry sand	
3.	19 - 32	13	Clay kankar	
4.	32 - 36	4	Medium sand	Medium
5.	36 - 44	8	Clay kankar	
6.	44 - 59*	15	Medium sand & kankar	Medium
7.	59 - 62	3	Clay kankar	
8.	62 - 70*	8	Medium sand	Medium
9.	70 - 74	4	Clay kankar	
10.	74 - 87*	13	Fine to Medium sand & kan	Medium
11.	87 - 95	8	Clay kankar	
12.	95 - 100*	5	Medium sand	Medium
13.	100 - 115	15	Clay kankar	
14.	115 - 120*	5	Medium sand	Medium
15.	120 - 125	5	Kankar	
16.	125 - 136*	11	Medium sand	Medium

Ground Water Survey Consultancy  
Agra





**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.



**Geologist**



Rho a  
M16 (SN)  
N64(LIN)  
LAT

Logging Details  
Logging of Mineral Resources  
Geological Survey of India  
15, Jan 2024  
11:42  
Chennai (India)

Logger's No.  
IGIS/S/01/21-22

Logger Host  
DMPL-2  
Logger Owned by  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, India

