

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-1933

Date:- 19-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Bhilloliya Satyapur BLOCK- Bisauli DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun

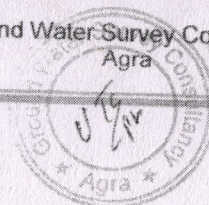


**GROUND WATER SURVEY CONSULTANCY**

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- BHILLOLIYA SATYAPUR, BLOCK- BISAULI,  
DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 127 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 19.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 - 18                 | 13           | Dry sand     |                        |
| 3.    | 18 - 29                | 11           | Clay kankar  |                        |
| 4.    | 29 - 44                | 15           | Medium sand  | Medium                 |
| 5.    | 44 - 66                | 22           | Clay kankar  |                        |
| 6.    | 66 - 75*               | 9            | Medium sand  | Medium                 |
| 7.    | 75 - 81                | 6            | Kankar       |                        |
| 8.    | 81 - 93*               | 12           | Medium sand  | Medium                 |
| 9.    | 93 - 104               | 11           | Clay kankar  |                        |
| 10.   | 104 - 116*             | 12           | Medium sand  | Medium                 |
| 11.   | 116 - 121              | 5            | Clay kankar  |                        |
| 12.   | 121 - 125 <sup>h</sup> | 4            | Medium sand  | Medium                 |
| 13.   | 125 - 127              | 2            | Sandy clay   |                        |

Ground Water Survey Consultancy





**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  
N16 (SN)  
MS4(L)0  
LAT

Logging Details  
LogID: 07 000000  
Station: Borehole  
UP: 1000000000  
19 Oct 2022  
11:11  
Vishnu Gupta (AG)

Logger Site:  
IGIS/S/01/21-22

SP (m V)

Logger Model:  
DMPL-2

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, India

