

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-998

Date:-18-06-2023

**NAME OF SITE**

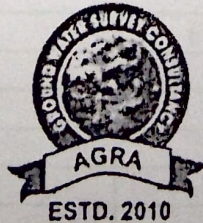
GRAM PANCHAYAT- Chhachhau

BLOCK- Dataganj

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

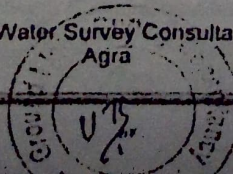
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHHACHHAU, BLOCK- DATAGANJ, 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 18.June.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 - 16         | 11           | Dry sand            |                        |
| 3.    | 16 - 30        | 14           | Clay kankar         |                        |
| 4.    | 30 - 36        | 6            | Fine to Medium sand | Good                   |
| 5.    | 36 - 45        | 9            | Clay kankar         |                        |
| 6.    | 45 - 70*       | 25           | Medium sand         | Good                   |
| 7.    | 70 - 80        | 10           | Clay kankar         |                        |
| 8.    | 80 - 83        | 3            | Fine sand           | Good                   |
| 9.    | 83 - 97        | 14           | Clay kankar         |                        |
| 10.   | 97 - 115*      | 18           | Medium sand         | Good                   |
| 11.   | 115 - 121      | 6            | Clay kankar         |                        |
| 12.   | 121 - 125      | 4            | Fine sand           | Good                   |
| 13.   | 125 - 130      | 5            | Clay kankar         |                        |

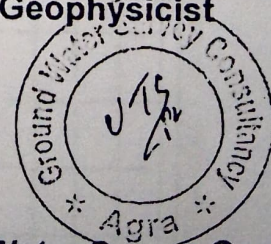
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**Conclusions and Recommendations :-**

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 Good.
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**

Rhos  
 NI6(SM)  
 NI4(LM)  
 LAT  
 Logging Details  
 IGS/S/01/10-11  
 Logger's No  
 DMPL-2  
 Logger Codes by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

