

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2068

Date:- 15-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Rasoolpur

BLOCK- Dahagawan

DISTT- Badaun

**NAME OF AGENCY**

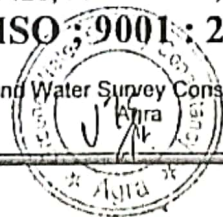
M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO : 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- RASOOLPUR, BLOCK- DAHAGAWAN, DISTT- BADAUN UNDER JAL JIVAN MISSION

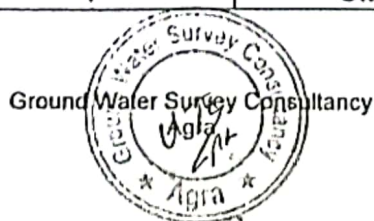
### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 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 15.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 - 10         | 5            | Clay kankar            |                        |
| 3.    | 10 - 20        | 10           | Fine sand              |                        |
| 4.    | 20 - 24        | 4            | Clay kankar            |                        |
| 5.    | 24 - 34        | 10           | Medium sand            | Medium                 |
| 6.    | 34 - 38        | 4            | Clay kankar            |                        |
| 7.    | 38 - 55*       | 17           | Medium sand & kankar   | Medium                 |
| 8.    | 55 - 60        | 5            | Clay kankar            |                        |
| 9.    | 60 - 66*       | 6            | Medium sand & kankar   | Medium                 |
| 10.   | 66 - 71        | 5            | Clay kankar            |                        |
| 11.   | 71 - 75*       | 4            | Fine to Medium sand    | Medium                 |
| 12.   | 75 - 87        | 12           | Clay kankar            |                        |
| 13.   | 87 - 118*      | 31           | Fine to Med sand & kan | Medium                 |
| 14.   | 118 - 129      | 11           | Clay kankar            |                        |
| 15.   | 129 - 135*     | 6            | Fine to Medium sand    | Medium                 |
| 16.   | 135 - 139      | 4            | Clay kankar            |                        |



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starts chart.
2. The cones 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.

Geophysicist



Ground Water Survey Consultancy

Rho B  
 NI6 (SN)  
 NS-6(LN)  
 LAT  
 Logging Details  
 SITE: ...  
 DATE: ...  
 TIME: ...  
 LOGGERS: ...  
 LOGGER No: ...  
 IGIS/S/04/21-22  
 Logger Model: SP (m V)  
 DMAPL-2  
 Logger Owned by:  
 GROUND WATER SURVEY CONSULTANCY  
 - AGRA INDIA

