

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

RefNo:-A-2183

Date:- 08-11-2023

**NAME OF SITE**

GRAM PANCHAYAT - Uraina Pukhta      BLOCK - Dataganj      DISTT - Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



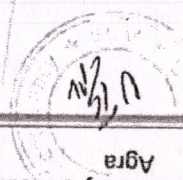
**GROUND WATER SURVEY CONSULTANCY**

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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- URAINA PUKHTA, 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 is conduct at above bore hole using IGIS Well Logger on 08.Nov.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 - 15         | 10           | Clay kankar  |                        |
| 3.    | 15 - 18        | 3            | Fine sand    |                        |
| 4.    | 18 - 21        | 3            | Clay kankar  |                        |
| 5.    | 21 - 36        | 15           | Medium sand  | Medium                 |
| 6.    | 36 - 41        | 5            | Clay kankar  |                        |
| 7.    | 41 - 70*       | 29           | Medium sand  | Medium                 |
| 8.    | 70 - 80        | 10           | Clay kankar  |                        |
| 9.    | 80 - 93*       | 13           | Medium sand  | Medium                 |
| 10.   | 93 - 98        | 5            | Clay kankar  |                        |
| 11.   | 98 - 105*      | 7            | Medium sand  | Medium                 |
| 12.   | 105 - 130      | 25           | Clay kankar  |                        |



**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  
 Logging Co. Name: S. J. Gupta  
 Block: Changanpuri, D. 102  
 Log No.: 1005/AGUP  
 Date: 15.02.23  
 Location: Bagha (A.G.)

Logger ID No.:  
 IGS/S/01/21-22

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

