

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2337

Date:-11-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Sirasoul Patti    BLOCK- Ambiyapur    DISTT- Badaun

**NAME OF AGENCY**

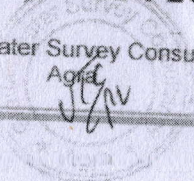
M/s PNC-SPML-JV  
Badaun



**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  
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**



GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA INDIA

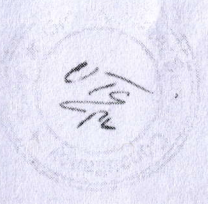
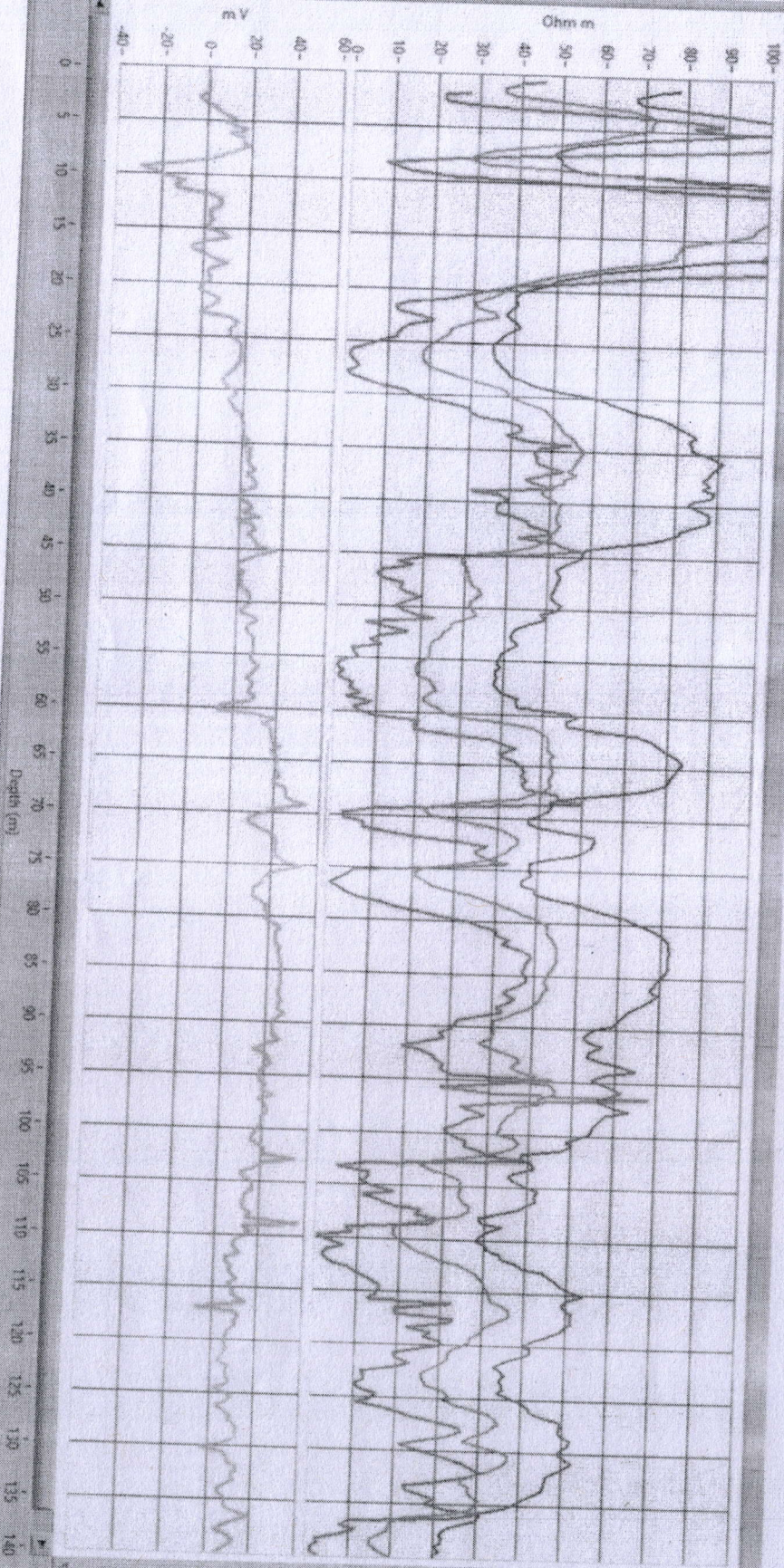
Logger Model  
DMPL-2

SP (m V)

Log No.  
IG/S/04/21-22

Logging Details  
S.No. of Station  
Date of Logging  
Name of the Station  
Name of the Operator

Rho a  
M16 (SN)  
M64 (LN)  
LAT



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SIRASOUL PATTI, BLOCK- AMBIYAPUR, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 11.Dec.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 - 30        | 12           | Clay kankar          |                        |
| 4.    | 30 - 44        | 14           | Medium sand          | Medium                 |
| 5.    | 44 - 61        | 17           | Clay kankar          |                        |
| 6.    | 61 - 68*       | 7            | Medium sand          | Medium                 |
| 7.    | 68 - 71        | 3            | Clay kankar          |                        |
| 8.    | 71 - 74*       | 3            | Fine to Medium sand  | Medium                 |
| 9.    | 74 - 78        | 4            | Clay kankar          |                        |
| 10.   | 78 - 90*       | 12           | Medium sand          | Medium                 |
| 11.   | 90 - 95        | 5            | Clay kankar          |                        |
| 12.   | 95 - 101*      | 6            | Medium sand & kankar | Medium                 |
| 13.   | 101 - 113      | 12           | Clay kankar          |                        |
| 14.   | 113 - 120*     | 7            | Medium sand          | Medium                 |
| 15.   | 120 - 125      | 5            | Clay kankar          |                        |
| 16.   | 125 - 135*     | 10           | Medium sand          | Medium                 |
| 17.   | 135 - 140      | 5            | Clay kankar          |                        |

