

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-A-1297

Date:- 05-08-2023

NAME OF SITE

GRAM PANCHAYAT- Gaura Barela

BLOCK- Mion

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- GAURA BARELA, BLOCK- MION, 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 in the above bore hole using IGIS Well Logger on 05.Aug.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 - 20         | 15           | Dry sand             |                        |
| 3.    | 20 - 29        | 9            | Clay kankar          |                        |
| 4.    | 29 - 48        | 19           | Medium sand & kankar | Medium                 |
| 5.    | 48 - 60        | 12           | Clay kankar          |                        |
| 6.    | 60 - 80*       | 20           | Medium sand          | Medium                 |
| 7.    | 80 - 90        | 10           | Clay kankar          |                        |
| 8.    | 90 - 105*      | 15           | Medium sand          | Medium                 |
| 9.    | 105 - 140      | 35           | Clay kankar          |                        |

Ground Water Survey Consultancy



## Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones 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**

