

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- 513

Date:- 12-07-2022

**NAME OF SITE**

Gram Panchayat- Sahaspur Nagla

BLOCK- Bilsa

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

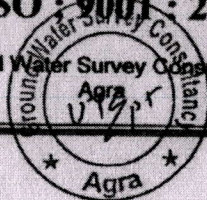
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAHASPUR NAGLA, BLOCK- BILSI, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 110 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 12.July.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 21         | 16           | Dry sand & Kankar    |                        |
| 3.    | 21 - 25        | 4            | Fine sand            |                        |
| 4.    | 25 - 30        | 5            | Clay kankar          |                        |
| 5.    | 30 - 52*       | 22           | Fine to Medium sand  | Good                   |
| 6.    | 52 - 66        | 14           | Clay kankar          |                        |
| 7.    | 66 - 94*       | 28           | Medium sand & Kankar | Good                   |
| 8.    | 94 - 110       | 16           | Clay kankar          |                        |

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Rho a  
 N16 (SN)  
 N64(LN)  
 LAT

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