

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-2070

Date:- 15-10-2023

**NAME OF SITE**

GRAM PANCHAYAT- Nagla Salar

BLOCK- Sahaswan

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- NAGLA SALAR, BLOCK- SAHASWAN, 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 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 - 12         | 7            | Dry sand               |                        |
| 3.    | 12 - 23        | 11           | Clay kankar            |                        |
| 4.    | 23 - 30        | 7            | Fine sand              |                        |
| 5.    | 30 - 33        | 3            | Clay kankar            |                        |
| 6.    | 33 - 40        | 7            | Fine to Medium sand    | Med to Good            |
| 7.    | 40 - 59        | 19           | Clay kankar            |                        |
| 8.    | 59 - 66*       | 7            | Fine to Medium sand    | Med to Good            |
| 9.    | 66 - 77        | 11           | Clay kankar            |                        |
| 10.   | 77 - 100*      | 23           | Medium sand            | Med to Good            |
| 11.   | 100 - 105      | 5            | Clay kankar            |                        |
| 12.   | 105 - 113*     | 8            | Fine to Med sand & kan | Med to Good            |
| 13.   | 113 - 115      | 2            | Clay kankar            |                        |
| 14.   | 115 - 122*     | 7            | Fine to Medium sand    | Med to Good            |
| 15.   | 122 - 130      | 8            | Clay kankar            |                        |

Ground Water Survey Consultancy



**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 to Good.
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.



**Ground Water Survey Consultancy**

Rho a  
 NI16 (SN)  
 NS4(LV)  
 LAT  
 Logging Dynamic  
 40 00p 13 v 8.00 8.00  
 0000 00000000 0000  
 02.00  
 15 Oct 2023  
 02.00  
 0000000000 (000000)

Logger S1 file  
 IGS/S/M/21-22

SP (m V)  
 Logger Model:  
 DMAPL-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

