

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-2384

Date:-18-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Chandesi & Tigra BLOCK- Sahaswan DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHANDESI & TIGRA, BLOCK- SAHASWAN,  
DISTT- BADAUN

## UNDER JAL JIVAN MISSION

### Introduction :

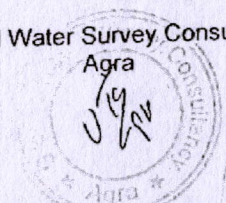
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 18.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 - 15	10	Dry sand	
3.	15 - 39	24	Clay kankar	
4.	39 - 46	7	Fine sand	Medium
5.	46 - 63	17	Clay kankar	
6.	63 - 105*	42	Medium sand	Medium
7.	105 - 125	20	Sandy clay	
8.	125 - 131*	6	Fine to Medium sand	Medium
9.	131 - 140	9	Clay kankar	

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**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**



Pho 2  
 N16 (S4)  
 NSd(LN)  
 LA1

Logging Details  
 Logger: S. No. 1  
 Date: 21/04/2022  
 Time: 11:30  
 Station: 2254

Logger S. No.  
 IGIS/S/04/21-22

SP (m V)  
 Logger Model  
 DMPL-2  
 Logger Name/No.  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

