

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2280

Date:- 30-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Kheda Jalalpur      BLOCK- Usawan      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**

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHEDA JALALPUR, BLOCK- USAWAN, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

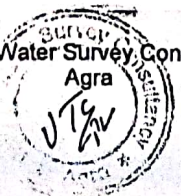
A Deep bore hole was drilled 142 mtrs. depth. and Logged depth 137 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 30.Nov.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:-

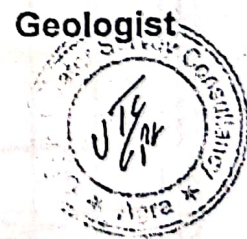
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Clay kankar	
3.	14 - 20	6	Medium sand	Medium
4.	20 - 42	22	Clay kankar	
5.	42 - 52*	10	Fine to Medium sand	Medium
6.	52 - 59	7	Clay kankar	
7.	59 - 62	3	Fine sand	Medium
8.	62 - 82	20	Clay kankar	
9.	82 - 86	4	Fine sand	Medium
10.	86 - 90	4	Clay kankar	
11.	90 - 94	4	Fine sand	Medium
12.	94 - 100	6	Clay kankar	
13.	100 - 115*	15	Fine to Medium sand	Medium
14.	115 - 126	11	Clay kankar	
15.	126 - 131*	5	Fine to Medium sand	Medium
16.	131 - 137	6	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.



Rhoo a  
 N16 (SW)  
 N64(LN)  
 LAT  
 Logging Details  
 Logging SP record as per  
 Bore Water Dept. Books  
 US CGO/WGS  
 25 Nov 2013  
 15 15  
 Loggers Name (s)  
 KAS/2022-23  
 Logger S No  
 SP (mV)  
 Logger Model  
 DMP1-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

