

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2101

Date:- 03-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Kisrua

BLOCK- Jagat

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV

Badaun



## GROUND WATER SURVEY CONSULTANCY

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

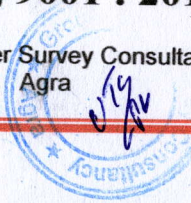
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

Agra





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KISRUA, BLOCK- JAGAT, DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 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 03.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 - 20	15	Dry sand	
3.	20 - 24	4	Fine sand	
4.	24 - 30	6	Clay kankar	
5.	30 - 39	9	Medium sand	Medium
6.	39 - 48	9	Clay kankar	
7.	48 - 51*	3	Medium sand	Medium
8.	51 - 67	16	Clay kankar	
9.	67 - 95*	28	Medium sand	Medium
10.	95 - 105	10	Clay kankar	
11.	105 - 115*	10	Medium sand	Medium
12.	115 - 125	10	Clay kankar	
13.	125 - 130	5	Snady clay	

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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.

**Geophysicist**



**Ground Water Survey Consultancy**



Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging Details:  
Logging GS Kerala Block  
Jaganat East Sudan  
UP LOGGINGUP  
03 Nov 2023  
21:14  
Utkarsh Gupta (AG)

Logger S/N No:  
IGIS/S/01/21-22

Logger Model:  
DMPL-2  
SP (m V)

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, India

