

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 931

Date:- 28-06-2023

### NAME OF SITE

GRAM PANCHAYAT- Sangrampur

BLOCK- Asafpur

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- SANGRAMPUR, BLOCK- ASAFPUR, 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 28.June.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 & kankar	
3.	20 - 47	27	Clay kankar	
4.	47 - 54	7	Medium sand & kankar	Medium
5.	54 - 56	2	Kankar	
6.	56 - 60*	4	Medium sand	Medium
7.	60 - 65	5	Clay kankar	
8.	65 - 91*	36	Medium sand & kankar	Medium
9.	91 - 103	12	Clay kankar	
10.	103 - 110*	7	Medium sand	Medium
11.	110 - 114	4	Clay kankar	
12.	114 - 126*	12	Medium sand	Medium
13.	126 - 130	4	Clay kankar	





**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 (SW)  
N64(LN)  
LAT

Logging Details:  
Logging Co: Sangram  
Block: Ashraf Dutt Baidan  
DOWN LOGGING: 28 Jun 2023  
06:09  
Uttarakhand, India (K&G)

Logger S No:  
IGIS/S/01/10-11

SP (m V)  
Logger Model:  
DMPL-2

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA, INDIA

