

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1775

Date:- 04-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Ismilepur

BLOCK- Dahagawan

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

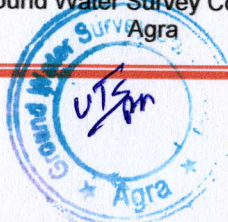
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- ISMILEPUR, BLOCK- DAHAGAWAN, 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 04.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 - 8	3	Clay	
3.	8 - 13	5	Fine sand	
4.	13 - 19	6	Clay kankar	
5.	19 - 36	17	Medium sand	Medium
6.	36 - 50	14	Clay kankar	
7.	50 - 56*	6	Medium sand	Medium
8.	56 - 62	6	Clay kankar	
9.	62 - 66*	4	Fine to Medium sand	Medium
10.	66 - 71	5	Clay kankar	
11.	71 - 74*	3	Fine to Medium sand	Medium
12.	74 - 80	6	Clay kankar	
13.	80 - 87*	7	Medium sand	Medium
14.	87 - 92	5	Clay kankar	
15.	92 - 108*	16	Fine to Medium sand	Medium
16.	108 - 130	22	Clay kankar	

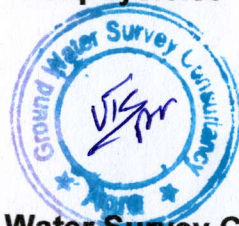
Ground Water Survey Consultancy



**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.
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 GP Jambhargh/Kotra  
Block Sahaswan Distt  
Bundara  
UP LOGGINGUP  
04 Oct 2023  
13:45  
Unearth Gupta (AG)

Logger S/N No:  
IGIS/S/02/22-23

Logger Model:  
SP (m V)

DMP1-2

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

