

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-2082

Date:- 16-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Brahmipur

BLOCK- Samrer

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BRAHMPUR, BLOCK- SAMRER, DISTT- BADAUN UNDER JAL JIVAN MISSION

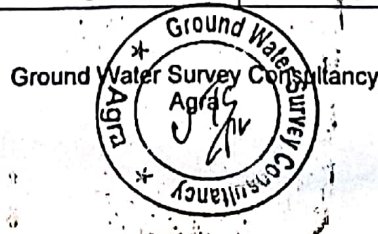
### Introduction :

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 in the above bore hole using IGIS Well Logger on 16.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 - 10	5	Clay kankar	
3.	10 - 18	8	Fine to Medium sand	
4.	18 - 30	12	Clay kankar	
5.	30 - 37	7	Medium sand	Med to Good
6.	37 - 41	4	Clay kankar	
7.	41 - 45	4	Fine sand	Med to Good
8.	45 - 48	3	Clay kankar	
9.	48 - 60*	12	Medium sand	Med to Good
10.	60 - 69	9	Clay kankar	
11.	69 - 80*	11	Medium sand	Med to Good
12.	80 - 85	5	Clay kankar	
13.	85 - 97*	12	Medium sand	Med to Good
14.	97 - 106	9	Clay kankar	
15.	106 - 111*	5	Medium sand	Med to Good
16.	111 - 115	4	Clay kankar	
17.	115 - 125*	10	Medium sand	Med to Good
18.	125 - 130	5	Clay kankar	



## Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tube well.
3. The Quality of water is expected Medium to Good.
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

B Rio a  
 N16 (SN)  
 N64(QUN)  
 LAT  
 Logging Details  
 "The logs of a survey are the property of the client and are not to be used for any other purpose without the written consent of the client."  
 SURVEYOR'S SIGNATURE  
 16 OCT 2011  
 14.11  
 "Date of Survey"  
 Logger D No: IGSS/021-22  
 B  
 SP (mV)  
 Logger Model:  
 DMP-2  
 Logger Owned by:  
 GROUND WATER SURVEY CONSULTANCY  
 AGRA INDIA

