

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2255

Date:- 27-11-2023

### NAME OF SITE

GRAM PANCHAYAT- Habibpur Dajram & Sureni Papri  
DISTT- Badaun

BLOCK- Asafpur

### 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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HABIBPUR DAJRAM & SURENI PAPRI, BLOCK- ASAFPUR,  
DISTT- BADAUN

## UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 27.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 - 35	15	Clay kankar	
4.	35 - 41	6	Medium sand	Medium
5.	41 - 55	14	Clay kankar	
6.	55 - 75	20	Sandy clay	
7.	75 - 84*	9	Fine to Medium sand	Medium
8.	84 - 95	11	Clay kankar	
9.	95 - 97*	2	Fine to Medium sand	Medium
10.	97 - 105	8	Clay kankar	
11.	105 - 130*	25	Medium sand	Medium
12.	130 - 140	10	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.

**Geophysicist**



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Logging Details:  
 Logging of Handson  
 Diagram & Survey Report  
 Block Amlaur, Dist. Budau  
 UP LOGGINGUP  
 27 Nov 2023  
 14.19  
 Unnao, Gurga (AG)

Logger Site:  
 IGIS/S/02/22-23

Logger Model:  
 SP (m V)

Logger Owned by:  
 DMP-L-2

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