

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:-A-2587

Date:- 07-02-2024

**NAME OF SITE**

Gram Panchayat- Gulariya & Jagua Sai

BLOCK- Samrer

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

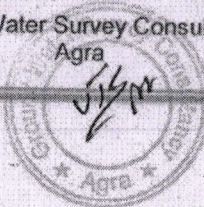
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GULARIYA & JAGUA SAI, BLOCK- SAMRER, 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 07.Feb.2024.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

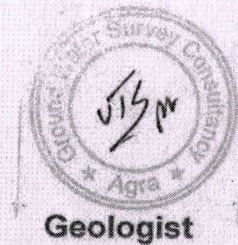
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 6	1	Dry sand	
3.	6 - 20	14	Sandy clay	
4.	20 - 23	3	Clay kankar	
5.	23 - 39	16	Medium sand	Medium
6.	39 - 45	6	Clay kankar	
7.	45 - 53*	8	Medium sand	Medium
8.	53 - 65	12	Clay kankar	
9.	65 - 80*	15	Medium sand	Medium
10.	80 - 85	5	Clay kankar	
11.	85 - 95*	10	Medium sand	Medium
12.	95 - 105	10	Clay kankar	
13.	105 - 118*	13	Medium sand	Medium
14.	118 - 124	6	Clay kankar	
15.	124 - 127*	3	Medium sand	Medium
16.	127 - 130	3	Clay kankar	

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**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 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.



Rho s  
 NI6 (SN)  
 NS4(LN)  
 LAT  
 Logging Details:  
 Logging Operator's Name  
 Date & Time of Logging  
 Date of Report  
 Name of the Client  
 Location  
 Project Name  
 Project No.

Logger's Name  
 ICR/S/01/21-22

Logger Model  
 SP (m V)  
 DM41-2  
 Logger Owned by:

GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

