

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-1396

Date:- 15-08-2023

**NAME OF SITE**

GRAM PANCHAYAT- Bautharia Daharpur Khurd  
DISTT- Badaun  
BLOCK- Samrer

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

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

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ISO : 9001 : 2015

Ground Water Survey Consultancy



**REPORT ON GEOPHYSICAL WELL LOGGING  
AT**

**GRAM PANCHAYAT- BAUTHARIA DAHARPUR KHURD, 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 15.Aug.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	Medium sand	
3.	20 - 27	7	Clay kankar	
4.	27 - 40	13	Medium sand	Medium
5.	40 - 45	5	Clay kankar	
6.	45 - 61*	16	Medium sand	Medium
7.	61 - 70	9	Clay kankar	
8.	70 - 103*	33	Medium sand	Medium
9.	103 - 110	7	Clay kankar	
10.	110 - 126*	16	Medium sand	Medium
11.	126 - 130	4	Clay kankar	

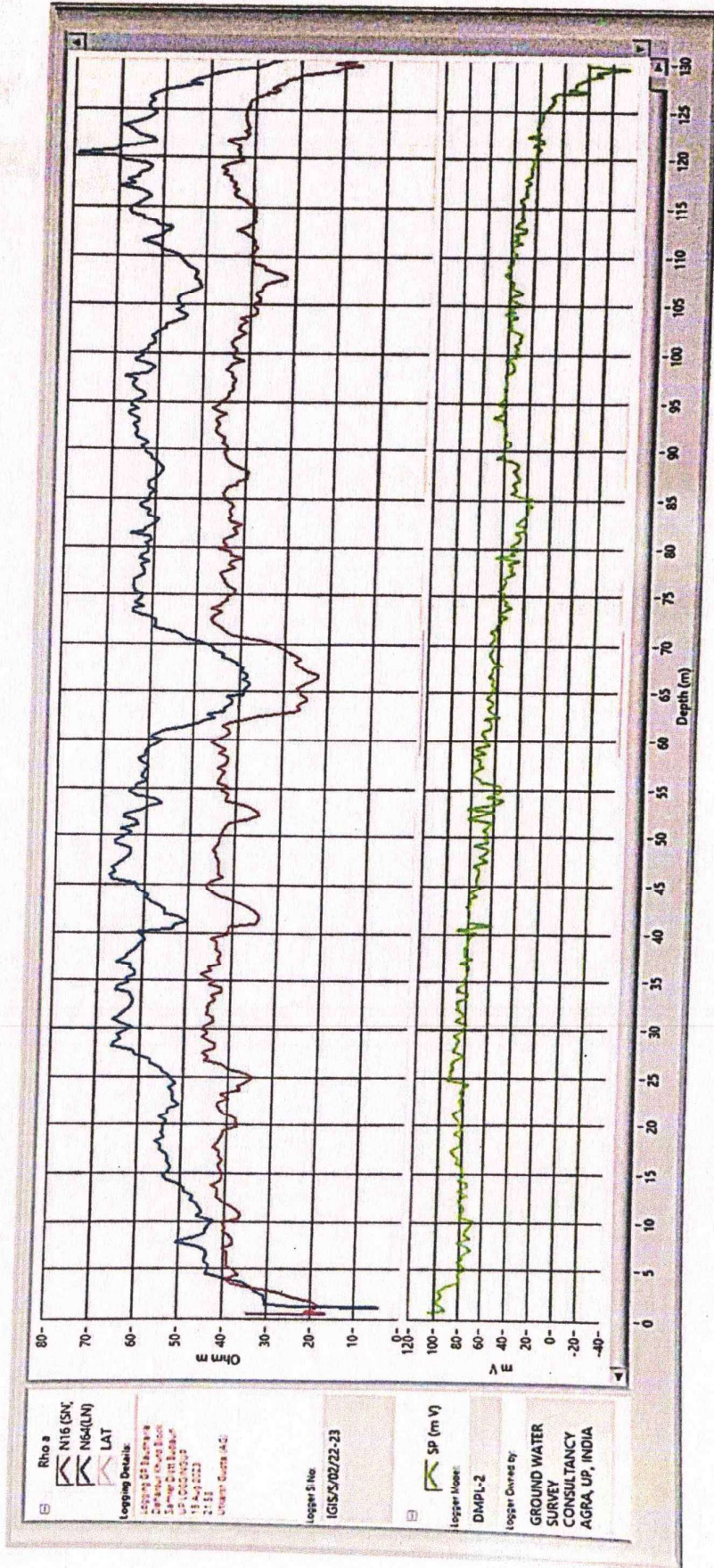


**Conclusions and Recommendations :-**

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.
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.



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Rho a  
 NS4(LN)  
 LAT

Logging Details:  
 Logging ID: 1000000000  
 Date: 10/02/2023  
 Time: 10:00:00  
 Location: GATEWAY  
 U.P. DISTRICT: GATEWAY  
 State: GATEWAY  
 Country: INDIA

Logger S No:  
 IGIS/5/02/22-23

SP (m V)  
 Logger Model:  
 DMP/L-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, U.P., INDIA

