

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-A-2176

Date:- 07-11-2023

**NAME OF SITE**

GRAM PANCHAYAT - Bajhangri  
BLOCK - Islamnagar  
DISTT - Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun

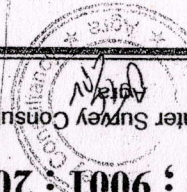


**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
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**ISO : 9001 : 2015**

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**REPORT ON GEOPHYSICAL WELL LOGGING  
AT  
GRAM PANCHAYAT-BAJHANGI, BLOCK-ISLAMNAGAR,  
DISTT-BADAUN  
UNDER  
JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 133 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.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 - 15	10	Dry sand	
3.	15 - 32	17	Clay kanakar	
4.	32 - 40	8	Medium sand	Medium
5.	40 - 45	5	Clay kanakar	
6.	45 - 50*	5	Medium sand	Medium
7.	50 - 60	10	Clay kanakar	
8.	60 - 72*	12	Medium sand	Medium
9.	72 - 78	6	Clay kanakar	
10.	78 - 81*	3	Medium sand	Medium
11.	81 - 86	5	Clay kanakar	
12.	86 - 90*	4	Medium sand	Medium
13.	90 - 100	10	Clay kanakar	
14.	100 - 105*	5	Fine to Medium sand	Medium
15.	105 - 126	21	Clay kanakar	
16.	126 - 130	4	Medium sand	Medium

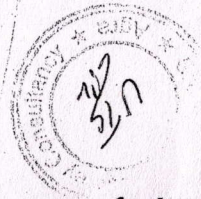
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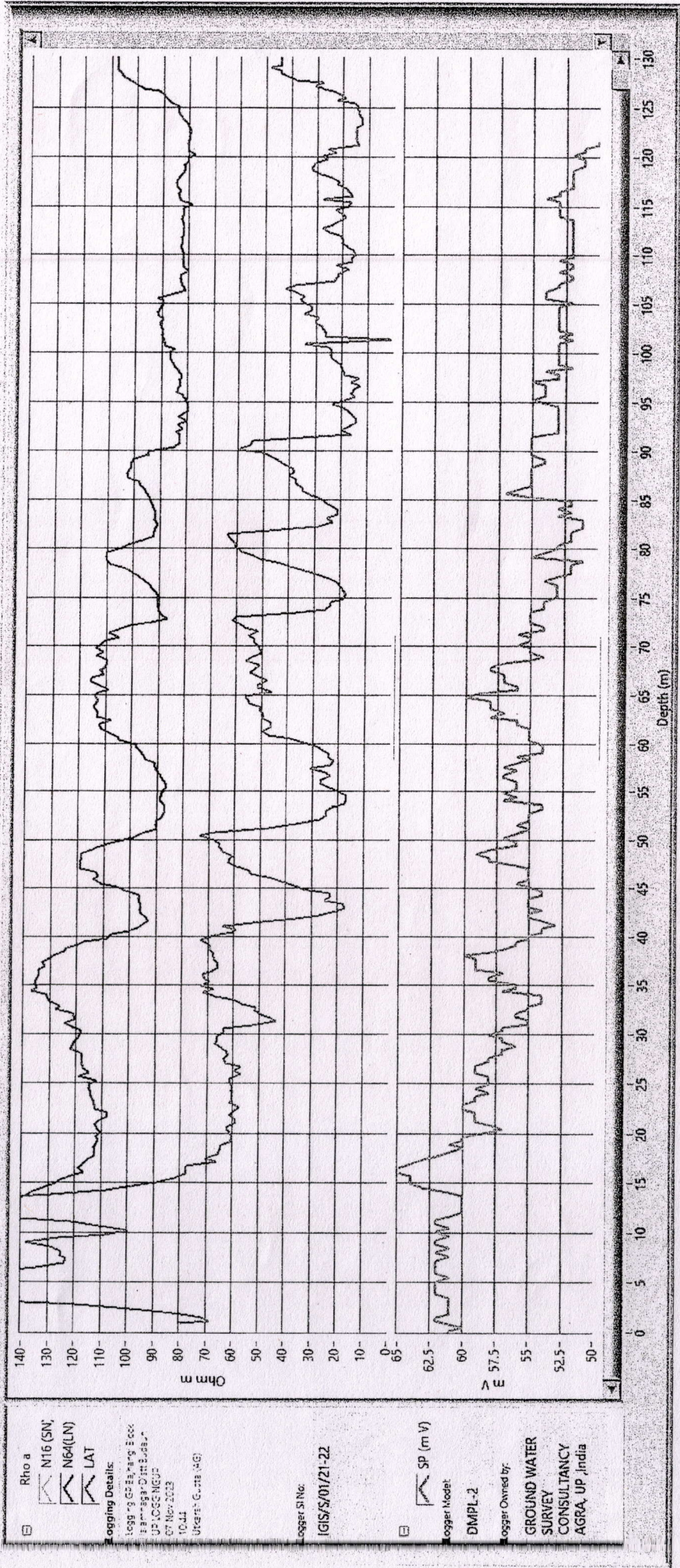
**Conclusions and Recommendations :-**

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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