GROUND WATER SURVEY CONSULTANCY GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2114

Date:-03-11-2023

NAME OF SITE

GRAM PANCHAYAT- Saijni

BLOCK- Ujhani

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV Badaun



GROUND WATER SURVEY CONSULTANCY

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIJNI, BLOCK- UJHANI, 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 03.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 - 17	2	Fine sand	
4.	17 - 29	12	Clay kankar	
5.	29 - 48	19	Medium sand	Medium
6.	48 - 66	18	Clay kankar	
7.	66 - 85*	19	Medium sand	Medium
8.	85 - 94	9	Clay kankar	
<u> </u>	94 - 105*	11	Medium sand	Medium
<u> </u>	105 - 125	20	Clay kankar	
10.	125 - 128*	3	Fine to Medium sand	Medium
11.	128 - 140	12	Clay kankar	

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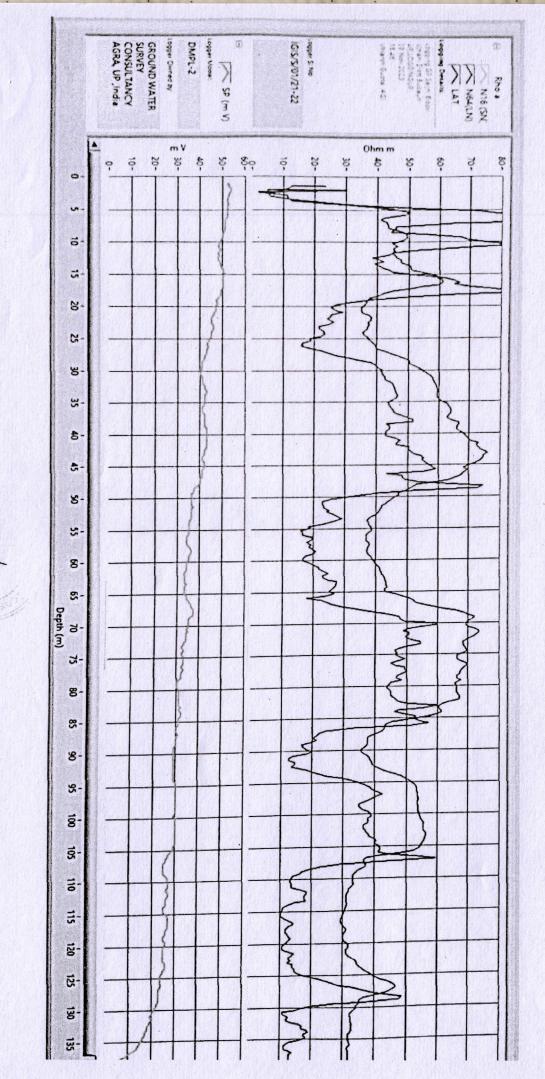
Conclusions and Recommendations :-

- 1. The Lithology broadly tallies with that of drill cutting strata chart.
- The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
- The Quality of water is expected Medium.
- 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.
- 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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