GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-511

Date: - 22-03-2023

NAME OF SITE

GRAM PANCHAYAT- Musia Nagala

BLOCK- Asafpur

DISTT-Badaun

NAME OF AGENCY

M/s PNC-SPML-JV Badaun



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REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- MUSIA NAGALA, BLOCK- ASAFPUR, DISTT.- BADAUN UNDER JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 22.Mar.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	water Quarry
2.	5 - 18	13	Dry sand	
3.	18 - 22	4	Clay kankar	
4.	22 - 25	3	Fine sand	
5.	25 - 35	10	Clay kankar	
6.	35 - 48	13	Fine to Medium sand	Good
7.	48 - 53	5	Clay kankar	Good
8.	53 - 67*	14	Medium sand	Good
9.	67 - 69	2	Clay kankar	Good
10.	69 - 85*	16	Medium sand	Cont
11.	85 - 96	11	Clay kankar	Good
12.	96 - 110*	14	Fine to Medium sand	Good

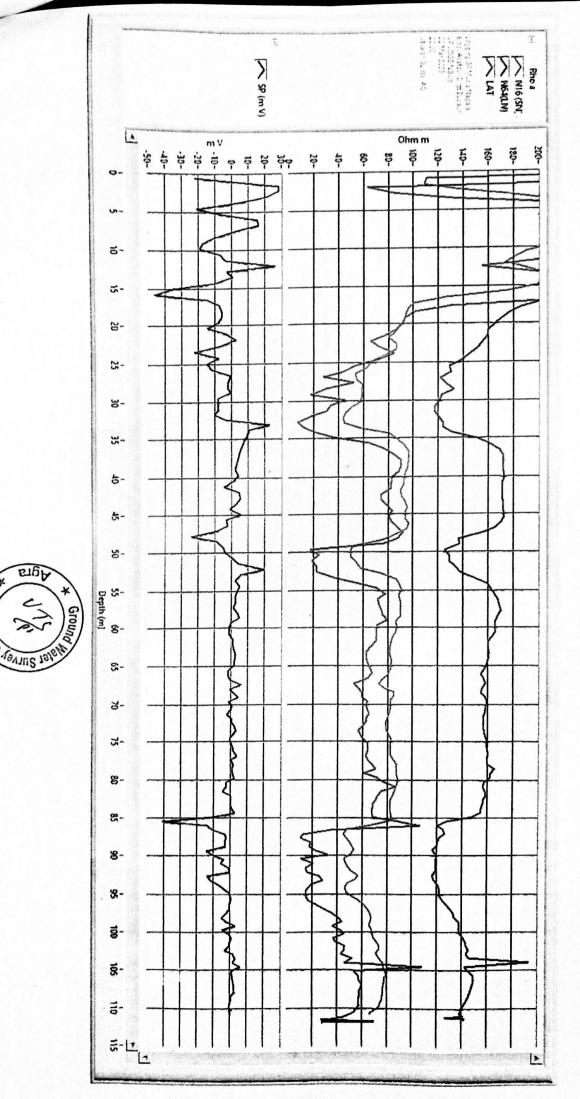


Conclusions and Recommendations :-

- 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.
- 3. The Quality of water is expected Good.
- 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.
- 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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