GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N- 1656

Date:- 29-03-2023

NAME OF SITE

Gram Panchayat- Tahara BLOCK- Sahaswan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

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- TAHARA, BLOCK- SAHASWAN, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 117 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 29.Mar.2023.

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 - 15	10	Dry sand	
3.	15 - 21	6	Medium sand	Med to Good
4.	21 - 28	7	Clay kankar	
5.	28 - 45	17	Medium sand	Med to Good
6.	45 - 55	10	Clay kankar	
7.	55 - 68*	13	Medium sand	Med to Good
8.	68 - 73	5	Clay kankar	
9.	73 - 84*	11	Medium sand	Med to Good
10.	84 - 90	6	Clay kankar	
11.	90 - 100*	10	Medium sand	Med to Good
12.	100 - 107	7	Clay kankar	
13.	107 - 115*	8	Medium sand	Med to Good
14.	115 - 117	2	Sandy clay	

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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 to 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.

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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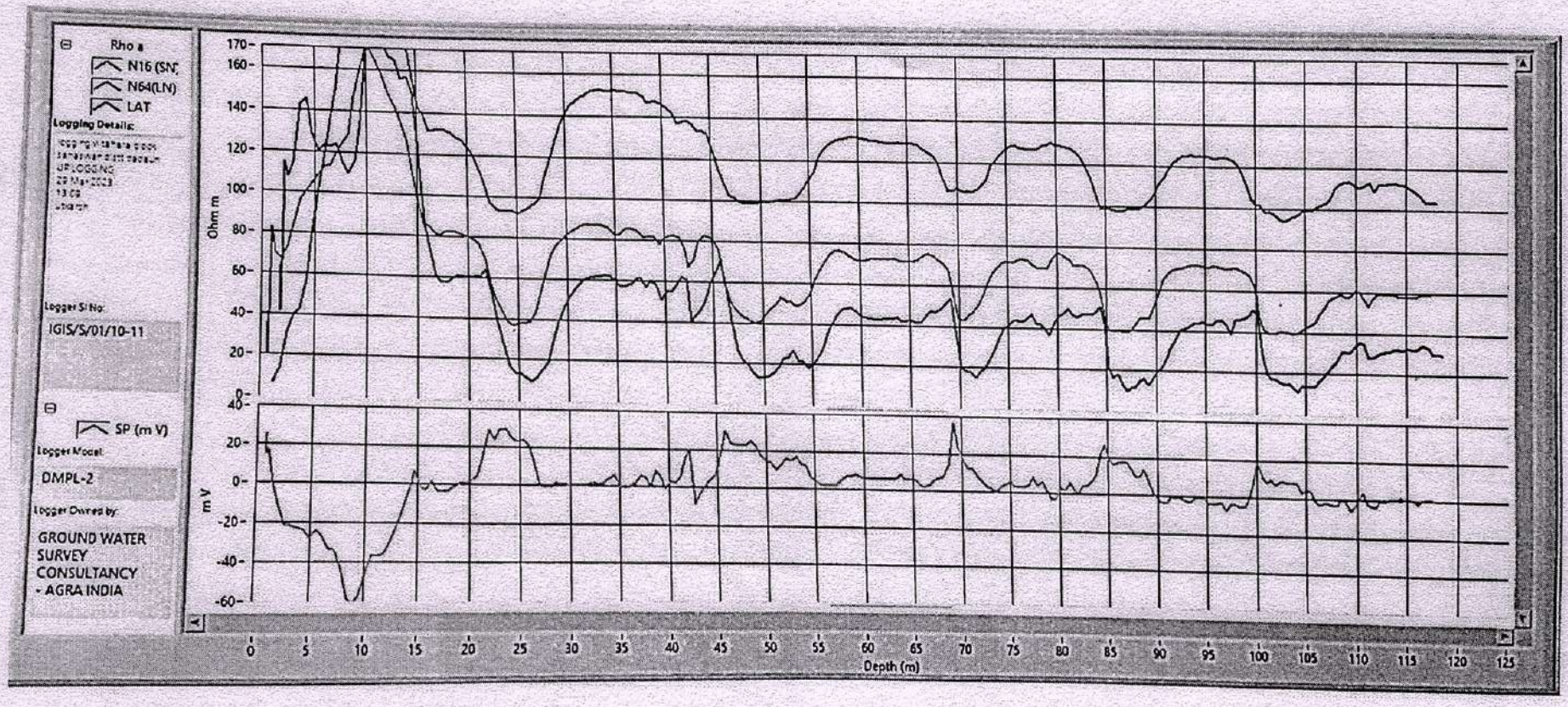

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