

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 417

Date:- 23-12-2022

NAME OF SITE

GRAM PANCHAYAT- Toniya Mafi

BLOCK- Dhanaura

DISTT- Amroha

NAME OF AGENCY

M/S SPML Infra Ltd.
Amroha



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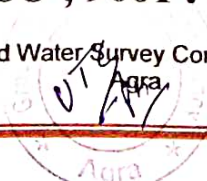
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TONIYA MAFI, BLOCK- DHANAURA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 127 mtrs. at above site. Was drilled by M/S SPML Infra Ltd., Amroha.

On the request of M/S SPML Infra Ltd, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.Dec.2022.

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 - 11	6	Dry sand	
3.	11 - 23	12	Clay kankar	
4.	23 - 28	5	Fine sand	Medium
5.	28 - 34	6	Clay kankar	
6.	34 - 52*	18	Medium sand	Medium
7.	52 - 55	3	Clay kankar	
8.	55 - 62*	7	Medium sand	Medium
9.	62 - 68	6	Clay kankar	
10.	68 - 99*	31	Medium sand	Medium
11.	99 - 103	4	Clay kankar	
12.	103 - 114*	11	Medium sand	Medium
13.	114 - 127	13	Clay kankar	

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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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Rhoda
 N 16(SN)
 N 64 (LN)
 LAT
 Project: ...
 Location: ...
 Date: 23 Dec 2012
 Time: 12:41
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