

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 459

Date:- 26-12-2022

NAME OF SITE

GRAM PANCHAYAT- Pupsara Benger BLOCK- Dhanaura DISTT- Amroha

NAME OF AGENCY

M/S SPML Infra Ltd.
Amroha



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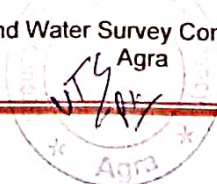
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PUPSARA BENDER, BLOCK- DHANAURA,
DISTT- AMROHA

UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 26.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 - 24	13	Fine to Medium sand	
4.	24 - 30	6	Clay kankar	
5.	30 - 51*	21	Medium sand & kankar	Med to Good
6.	51 - 57	6	Clay kankar	
7.	57 - 71*	14	Medium sand	Med to Good
8.	71 - 79	8	Clay kankar	
9.	79 - 105*	26	Medium sand	Med to Good
10.	105 - 110	5	Clay kankar	
11.	110 - 113*	3	Fine to Medium sand	Med to Good
12.	113 - 117	4	Clay kankar	
13.	117 - 123*	6	Fine to Medium sand	Med to Good
14.	123 - 125	2	Clay kankar	
15.	125 - 130	5	Sandy clay	

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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 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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Rhe a
N 16(SN)
N 64 (LN)
LAT

Location
Kegiatan & Tujuan
Berkas Soal/Devisi
Dit. Ampera
No. 10
No. 1002-NG-2
Date
21 Dec 2012
Time
17:23
Observer
Pranjo Ganes (3)
Ave Daman

SP

