

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 392

Date:- 20-12-2022

NAME OF SITE

GRAM PANCHAYAT- Fakharpur

BLOCK- Dhanaura

DISTT- Amroha

NAME OF AGENCY

M/S SPML Infra Ltd.
Amroha



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy

Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 145 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 20.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 - 20	15	Clay	
3.	20 - 27	7	Sandy clay	
4.	27 - 35	8	Clay kankar	
5.	35 - 52*	17	Medium sand	Medium
6.	52 - 67	15	Clay kankar	
7.	67 - 71*	4	Medium sand	Medium
8.	71 - 76	5	Clay kankar	
9.	76 - 97*	21	Medium sand	Medium
10.	97 - 105	8	Clay kankar	
11.	105 - 115*	10	Medium sand	Medium
12.	115 - 130	15	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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Rho a
 N 16(SN)
 N 64(LN)
 LAT

Location
 1055 17 V Sagarpur
 1000 Chauraha 2 Jm
 Agra
 105 N 16
 105 N 64
 20 Dec 2012
 10:47
 Operator
 Ushant Gogia (V)
 We Center

SP

