

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- B-197

Date:- 23-04-2023

### NAME OF SITE

GRAM PANCHAYAT- Nouner

BLOCK- Gajraula

DISTT- Amroha

### NAME OF AGENCY

M/s PNC-SPML-JV  
Amroha



## 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- NOUNER, BLOCK- GAJRAULA, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Amroha.

On the request of M/S PNC-SPML-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.April.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	
2.	5 - 10	5	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 23	8	Fine sand	Good
5.	23 - 26	3	Clay kankar	
6.	26 - 43	17	Fine to Medium sand	Good
7.	43 - 55	12	Clay kankar	
8.	55 - 70*	15	Medium sand & kankar	Good
9.	70 - 77	7	Clay kankar	
10.	77 - 96*	19	Medium sand	Good
11.	96 - 103	7	Clay kankar	
12.	103 - 110	7	Fine sand	Good
13.	110 - 120	10	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 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.



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Rho a  
 M16 (SN)  
 NS4(LN)  
 LAT

Logging Details:  
 Log No. V. No. 0001  
 GA. No. 0001  
 U.P. LOGGING  
 22 APR 2022  
 21:32  
 UTM Zone: G, Easting: 570

Logger's No:  
 IGIS/S/03/21-22

SP (m V)

Logger Model:  
 DMP-L-2  
 Logger Corrected by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

