

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 402

Date:- 30-04-2023

### NAME OF SITE

GRAM PANCHAYAT- Pandli      BLOCK- Gangeshwari      DISTT- Amroha

### NAME OF AGENCY

M/s PNC-SPML-JV  
Amroha  
22, CAMAC STREAT, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016

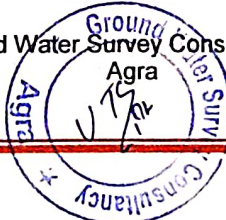


## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PANDLI, BLOCK- GANGESHWARI, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

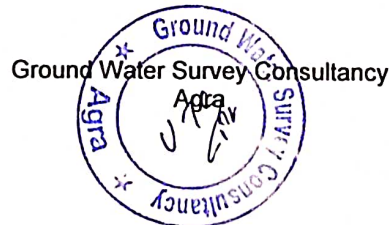
## Introduction :

A Deep bore hole was drilled 134 mtrs. depth. and Logged depth 134 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 30.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 - 14	9	Dry sand	
3.	14 - 29	15	Clay kankar	
4.	29 - 43	14	Medium sand	Med to Good
5.	43 - 60	17	Clay kankar	
6.	60 - 87*	27	Medium sand	Med to Good
7.	87 - 95	8	Clay kankar	
8.	95 - 105*	10	Fine to Medium sand	Med to Good
9.	105 - 116	11	Sandy clay	



**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**



**Ground Water Survey Consultancy**

Rho a  
 NI6 (Sf)  
 NS4(LH)  
 LAT

Logging Details  
 Log No. 1470-0006  
 Log Date 03/21/22  
 Log Time 12:55  
 Log Location  
 Log Operator

Logger S No.  
 IGSS/03/21-22

SP (m V)  
 Logger Model  
 DMPL-2

Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 - AGRA INDIA

