

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B-2728

Date:- 23-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Nanai Lisera

BLOCK- Gangeshwari

DISTT- Amroha

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Amroha



**GROUND WATER SURVEY CONSULTANCY**

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

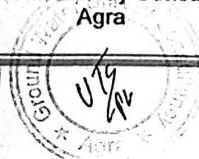
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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.Dec.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 - 16	6	Clay kankar	
4.	16 - 33	17	Medium sand	Medium
5.	33 - 45	12	Clay kankar	
6.	45 - 75*	30	Medium sand & kankar	Medium
7.	75 - 85	10	Clay kankar	
8.	85 - 99*	14	Medium sand	Medium
9.	99 - 113	14	Clay kankar	
10.	113 - 125*	12	Medium sand	Medium
11.	125 - 130	5	Kankar	
12.	130 - 134*	4	Fine to Medium sand	Medium
13.	134 - 140	6	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.

**Geologist**



Rhos a  
 N16 (SN)  
 NS4(LN)  
 LAT  
 Logging Details:  
 Logging of raw data: 11/08/2008  
 SP: 10/08/2008  
 US: 10/08/2008  
 23 Dec 2013  
 15:11  
 (date: 10/08/2008)

Logger S/N: NGS/S/01/10-11

Logger Model: SP (m V)  
 DMP1-2  
 Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India  
 India

