

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-1367

Date:- 26-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Nanehrda Rajpoot

BLOCK- Joya

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.

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**ISO 9001 : 2015**  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NANEHRDA RAJPOOT, BLOCK- JOYA, 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 26.July.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 - 18	13	Dry sand	
3.	18 - 25	7	Fine sand	
4.	25 - 35	10	Clay kankar	
5.	35 - 48	13	Medium sand	Good
6.	48 - 52	4	Clay kankar	
7.	52 - 58*	6	Fine to Medium sand	Good
8.	58 - 60	2	Clay kankar	
9.	60 - 95*	35	Medium sand & kankar	Good
10.	95 - 102	7	Clay kankar	
11.	102 - 111*	9	Medium sand	Good
12.	111 - 115	4	Clay kankar	
13.	115 - 120	5	Fine sand	Good

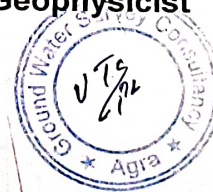
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**Conclusions and Recommendations :-**

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 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  
 N16 (SN)  
 NS4(LN)  
 LAT  
 Logging Details  
 Log No. V-1  
 Date of Log 21/04/2022  
 Down Log No  
 Date of Log  
 Log No.  
 Log No.

Logger's No  
 IG/S/04/21-22

Logger Name  
 DMPL-2

Logger Owned by  
 GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

SP (m V)

