

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 149

Date:- 20-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Aliganj Benajeer    BLOCK- Saidnagar    DISTT- Rampur

**NAME OF AGENCY**

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



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO : 9001 : 2015**  
Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALIGANJ BENAJEER, BLOCK- SAIDNAGAR, DISTT- RAMPUR  
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, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.April.2023.

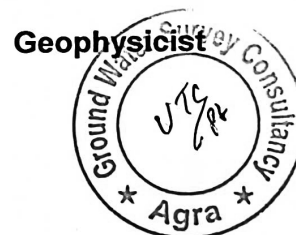
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Clay kankar	
3.	9 - 23	14	Medium sand	
4.	23 - 31	8	Clay kankar	
5.	31 - 52	21	Medium sand & kankar	Good
6.	52 - 56	4	Clay kankar	
7.	56 - 67*	11	Fine to Medium sand	Good
8.	67 - 70	3	Clay kankar	
9.	70 - 90*	20	Medium sand	Good
10.	90 - 93	3	Clay kankar	
11.	93 - 102*	9	Fine to Medium sand	Good
12.	102 - 105	3	Clay kankar	
13.	105 - 122*	17	Medium sand	Good
14.	122 - 125	3	Clay kankar	
15.	125 - 135*	10	Medium sand	Good
16.	135 - 140	5	Clay kankar	



**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.



**Ground Water Survey Consultancy**

Rho a  
M16 GNF  
N640UN  
LAT

Logging Details  
Logging Co: Agri  
Bengal Electronics Nagar  
Durgam  
UJ LOGS/NGLS  
22 Apr 2013  
15:04  
Uttarakhand (IN)

Logger S No:  
IGISS/04/21-22

SP (m V)

Logger Model:  
DMPL-2  
Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
- AGRA INDIA

