

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

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-B-358

Date:- 05-05-2023

**NAME OF SITE**

GRAM PANCHAYAT- Shadinagar

BLOCK- Swar

DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV

Moradabad

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**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHADINAGAR, BLOCK- SWAR, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

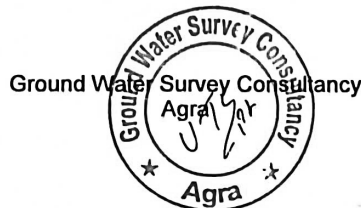
## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 05.May.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 - 8	3	Clay kankar	
3.	8 - 13	5	Fine sand	
4.	13 - 27	14	Clay kankar	
5.	27 - 40	13	Sand & kankar	
6.	40 - 48	8	Clay kankar	
7.	48 - 57*	9	Fine to Medium sand	Medium
8.	57 - 64	7	Clay kankar	
9.	64 - 72*	8	Medium sand	Medium
10.	72 - 100	28	Clay kankar	
11.	100 - 116*	16	Medium sand	Medium
12.	116 - 120	4	Clay kankar	
13.	120 - 125*	5	Fine to Medium sand	Medium
14.	125 - 130	5	Clay kankar	
15.	130 - 133	3	Fine sand	Medium
16.	133 - 135	2	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 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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 N16(SN)  
 N64(LN)  
 LAT

Logging VI  
 shadinagar block  
 sura distt rampur  
 LOGGINGdown  
 05 May 2023  
 15:45  
 utkarsh gupta  
 (wihal)

SP (m V)  
 SP (m V)

