

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-N-889

Date:- 20-01-2023

### NAME OF SITE

GRAM PANCHAYAT- Narandarpur      BLOCK- Sahabad      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

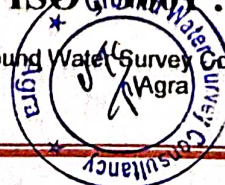
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001 : 2015

Ground Water Survey Consultancy





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NARANDARPUR, BLOCK- SAHABAD, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

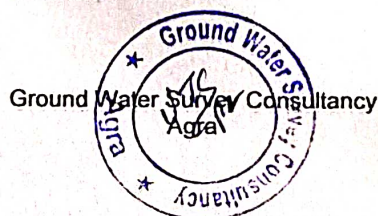
## Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 132 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.Jan.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 - 15	10	Fine sand	
3.	15 - 32	17	Clay kankar	
4.	32 - 52*	20	Medium sand	Med to Good
5.	52 - 56	4	Clay kankar	
6.	56 - 89*	33	Medium sand	Med to Good
7.	89 - 98	9	Clay kankar	
8.	98 - 110*	12	Medium sand	Med to Good
9.	110 - 121	11	Clay kankar	
10.	121 - 128*	7	Medium sand	Med to Good
11.	128 - 132	4	Sandy clay	





**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 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.



**Ground Water Survey Consultancy**



**Rho a**  
 N 16(S/N)  
 N 64 (UN)  
 LAT  
 Location:  
 22.07' N 77.00' E  
 77.00' E  
 100 M  
 UT 1000000  
 22.07' 22.07'  
 100 M  
 100 M  
 100 M  
 100 M  
 100 M  
 100 M  
**IGIS/S/03/21-22**  
 Project No.:  
 SP  
 Project Name:  
**DMP/L-2**  
 Project Order by:  
 Ground Water Survey  
 Consultancy - Agra  
 India

