

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-1402

Date:- 31-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Sayed Nagar Mundiya      BLOCK- Swar      DISTT- Rampur

### NAME OF AGENCY

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

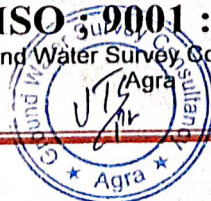


## GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAYED NAGAR MUNDIYA, BLOCK- SWAR, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Rampur.

On the request of M/S PNC-SPML-JV, Rampur.. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 31.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 - 12	7	Dry sand	
3.	12 - 18	6	Clay kankar	
4.	18 - 27	9	Sand & kankar	
5.	27 - 33	6	Clay kankar	
6.	33 - 36	3	Fine to Medium sand	Medium
7.	36 - 45	9	Clay kankar	
8.	45 - 50*	5	Fine to Medium sand	Medium
9.	50 - 53	3	Clay kankar	
10.	53 - 58*	5	Fine to Medium sand	Medium
11.	58 - 64	6	Clay kankar	
12.	64 - 73*	9	Fine to Med sand & kankar	Medium
13.	73 - 100	27	Clay kankar	
14.	100 - 105*	5	Fine to Medium sand	Medium
15.	105 - 109	4	Clay kankar	
16.	109 - 112*	3	Fine to Medium sand	Medium
17.	112 - 117	5	Clay kankar	
18.	117 - 126*	9	Medium sand	Medium
19.	126 - 130	4	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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 NI6 (S/N)  
 NS4(LN)  
 LAT

Logging Details:  
 Log No: V 14/02/2022  
 Log Date: 31/12/2022  
 Log Time: 12:44  
 Log Location: Agra, UP, India

Logger S No:  
 IGIS/S/01/21-22

Logger Model:  
 DMP1-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSUL TANCY  
 AGRA, UP, India

