

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-B- 224

Date:- 25-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Rushtam Nagar      BLOCK- Sahahbad      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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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RUSHTAM NAGAR, BLOCK- SAHAHBAD, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

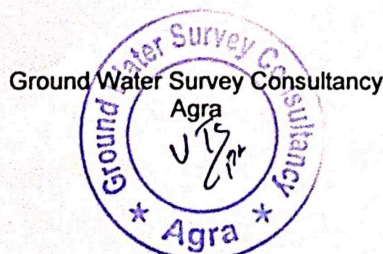
## Introduction :

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, 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 25.April.2023.

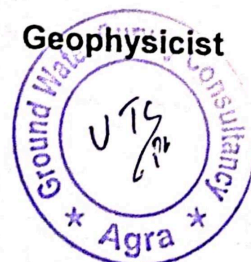
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar & Dry sand	
3.	20 - 22	2	Clay kankar	
4.	22 - 30	8	Fine sand	
5.	30 - 35	5	Clay kankar	
6.	35 - 57	22	Medium sand	Good
7.	57 - 61	4	Clay kankar	
8.	61 - 72*	11	Medium sand	Good
9.	72 - 80	8	Kankar	
10.	80 - 98*	18	Medium sand	Good
11.	98 - 104	6	Clay kankar	
12.	104 - 116*	12	Medium sand	Good
13.	116 - 120	4	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  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location :  
 Logging VI  
 Rushtam Nagar  
 Block - Sahabad  
 Distt - Rampur  
 Log No. :  
 LOGGINGup  
 Date :  
 25 Apr 2023  
 Time :  
 16:01  
 Observer :  
 Utharsh Gupta (RS)  
 Well Depth :

SP

