

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 709

Date:- 30-08-2022

**NAME OF SITE**

GRAM PANCHAYAT- Ashokpur

BLOCK- Milak

DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREAT, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



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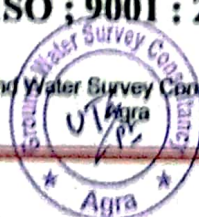
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ASHOKPUR, BLOCK- MILAK, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 133 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.August.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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	Clay	
3.	15 - 45	30	Fine to Medium sand	Good
4.	45 - 54*	9	Medium sand	Good
5.	54 - 60	6	Clay kankar	
6.	60 - 66*	6	Medium sand	Good
7.	66 - 85*	19	Fine to Medium sand	Good
8.	85 - 92*	7	Medium sand	Good
9.	92 - 110	18	Sandy clay	
10.	110 - 120*	10	Fine to Medium sand	Good
11.	120 - 130	10	Clay	



### Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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. Expected discharge is 900 to 1000 L.P.M.
5. 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.
6. 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.



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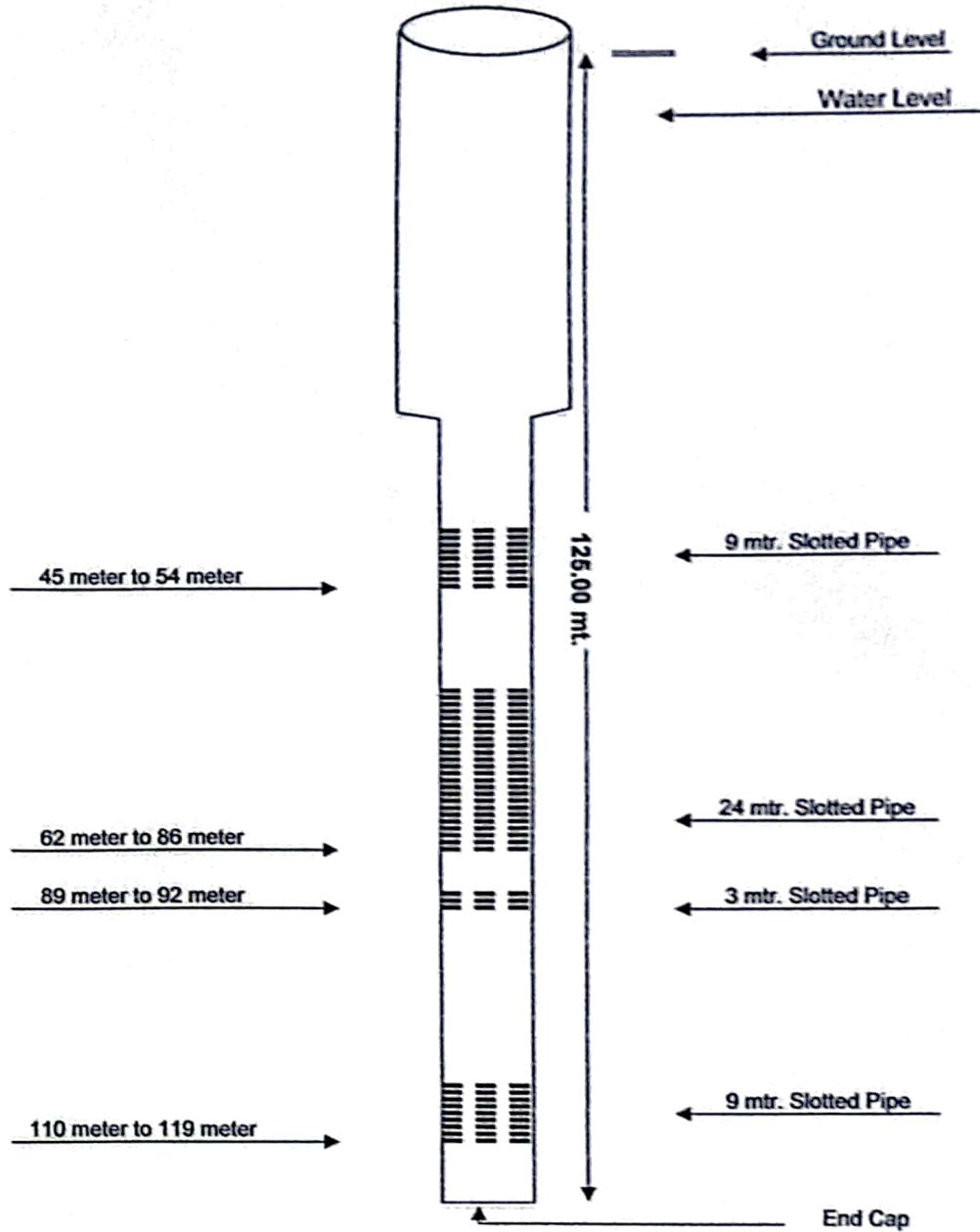


**ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART**

**FOR**  
**M/s PNC-SPML-JV, Moradabad**  
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700116  
**AT SITE**

**Gram Panchayat - Ashokpur, Block - Milak, Distt. - Rampur**

Boring dia - 200X150mm.  
Type of Boring - Stainer  
Depth of Loring - 125 Mtr.  
Water Level - 6 Mtr.



**RECOMMENDED CHART**

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