

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 70

Date:- 05-04-2022

### NAME OF SITE

GRAM PANCHAYAT- Hasanpur Katiya    BLOCK- Amroha    DISTT- Amroha

### 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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- HASANPUR KATIYA, BLOCK- AMROHA, DISTT- AMROHA 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 Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.04.2022.

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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 30	20	Find Sand	
4.	30 - 40	10	Fine Medium	Good
5.	40 - 45	5	Clay kankar	
6.	45 - 107*	62	Medium sand	Good
7.	107 - 114	7	Clay kankar	
8.	114 - 120*	6	Medium sand	Good

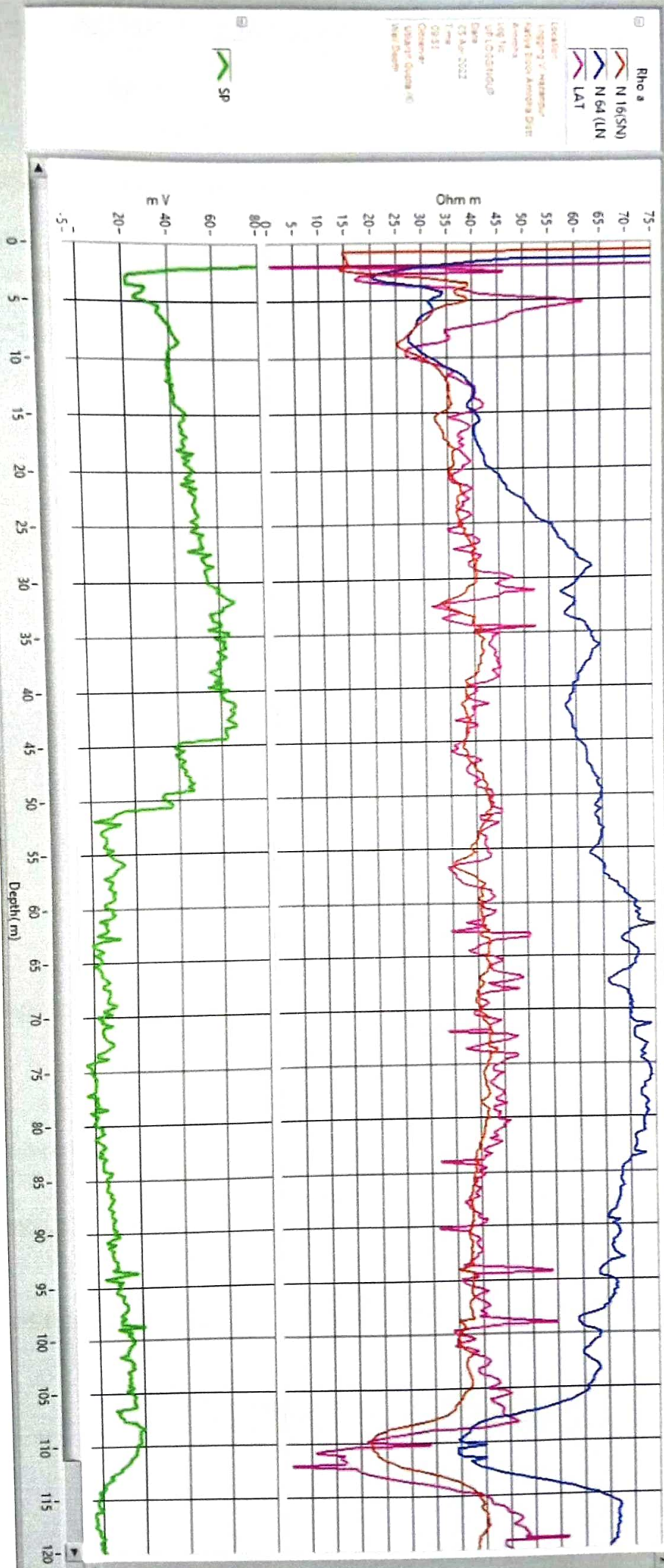


**Conclusions and Recommendations :-**

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 1000 to 1100 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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WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART  
FOR

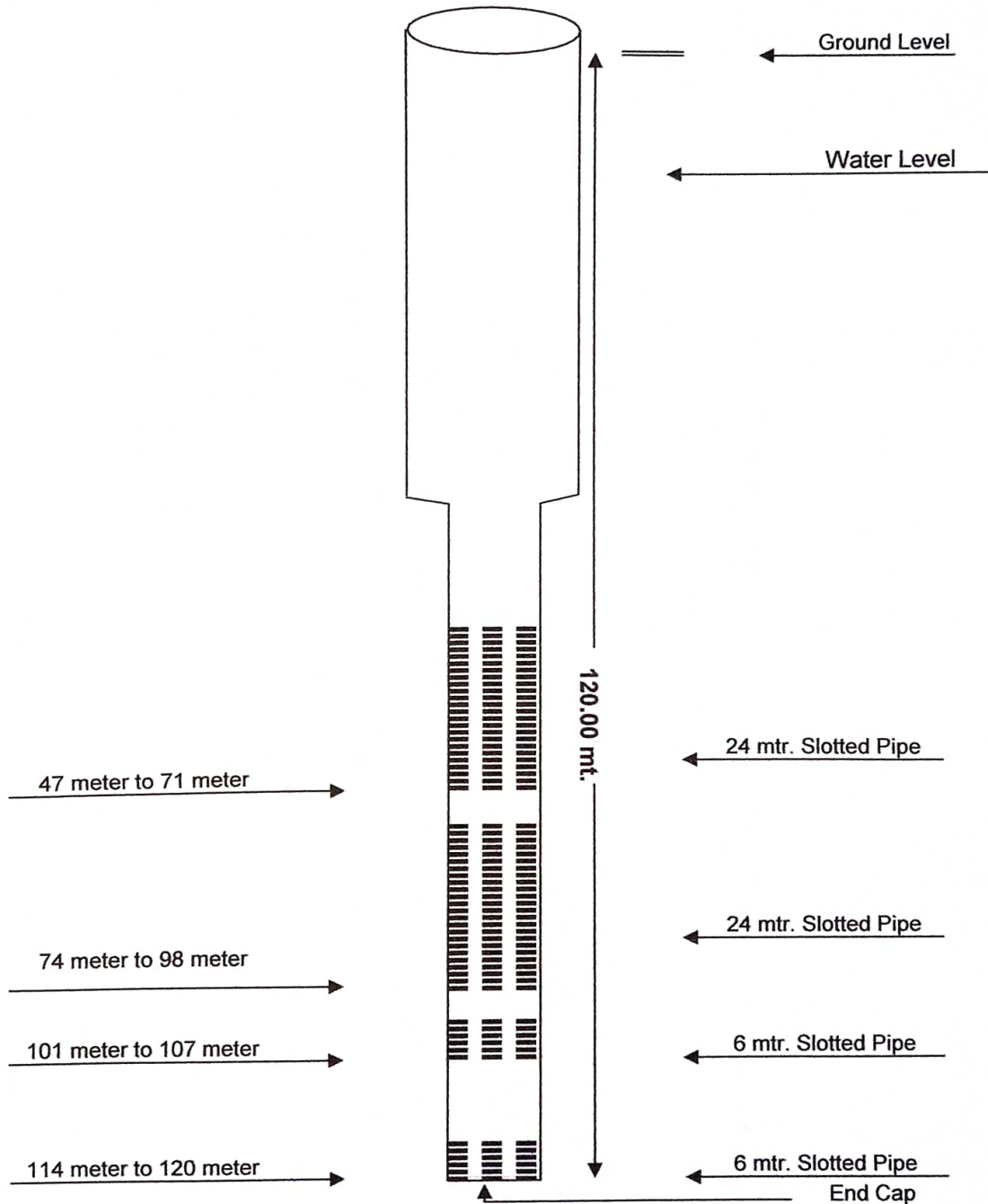
**M/s PNC-SPML-JV, Moradabad**

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016

AT SITE

Gram Panchayat - Hasanpur Katiya, Block - Amroha, Distt.- Amroha

Boring dia - **200X150mm.**  
Type of Boring - **Stainer**  
Depth of Boring - **120 Mtr.**  
Water Level - **12 Mtr.**



**RECOMMENDED CHART**

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