

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 179

Date:- 19-11-2021

**NAME OF SITE**

GRAM PANCHAYAT- Falyyaz Nagar BLOCK- Hasanpur DISTT- Amroha

**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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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FAIYYAZ NAGAR, BLOCK- HASANPUR, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 122 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Manager. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.Nov.2021.

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 - 8	3	Fine sand	
3.	8 - 16	8	Clay kankar	
4.	16 - 20	4	Fine sand	
5.	20 - 30	10	Clay kankar	
6.	30 - 46 <sup>u</sup>	16	Medium sand	Med. to Good
7.	46 - 60	14	Clay kankar	
8.	60 - 76*	16	Medium sand	Med. to Good
9.	76 - 80	4	Clay kankar	
10.	80 - 86*	6	Fine to Medium sand	Med. to Good
11.	86 - 95	9	Clay kankar	
12.	95 - 118*	23	Medium sand	Med. to Good
13.	118 - 122	4	Clay kankar	

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**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 Medium to Good.
4. Expected discharge is 1100 to 1200 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.

**Geophysicist**

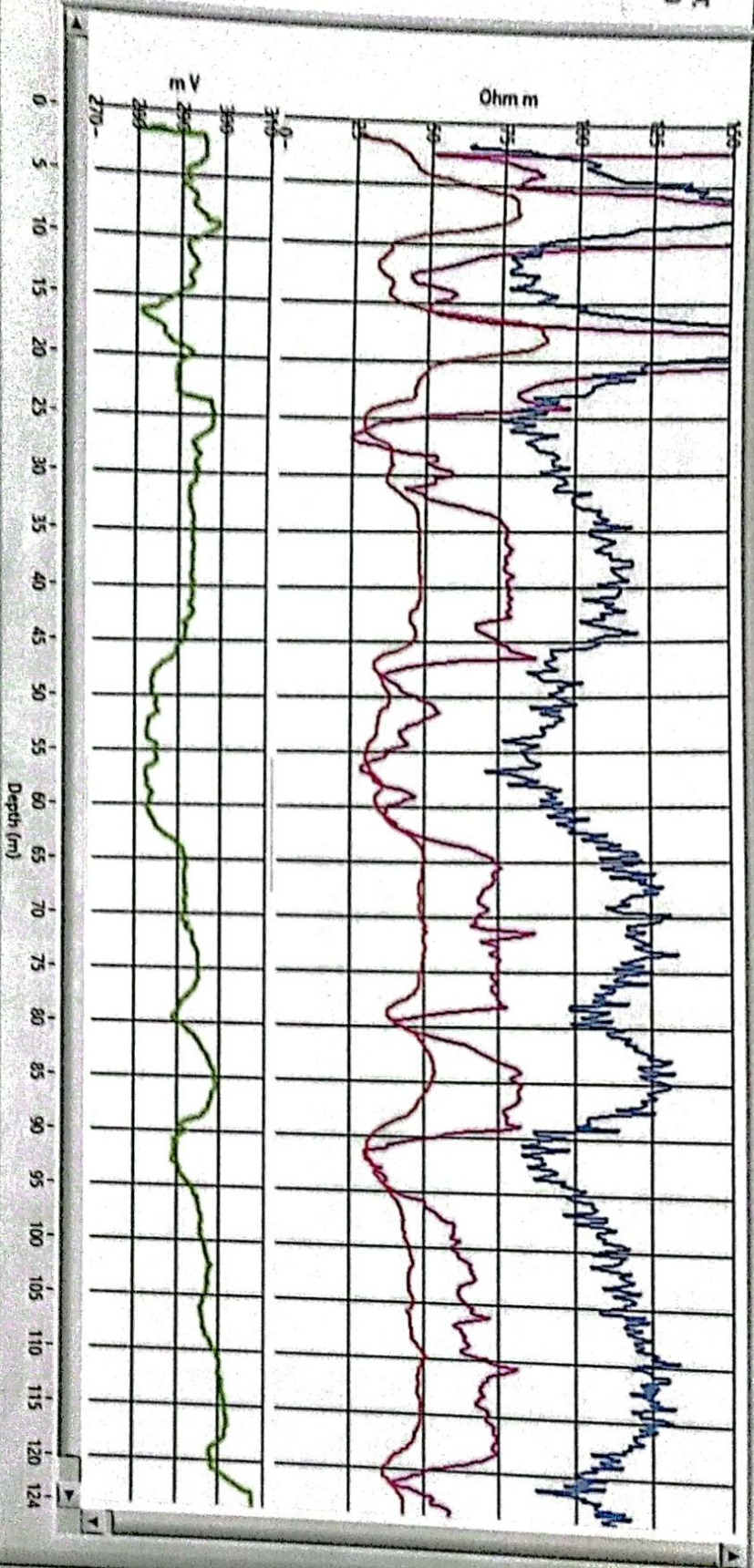


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Rho s  
 NIS (SV)  
 NSQ(LN)  
 LAT

Logging VI Farjuz  
 Nagar Stock  
 Hassanpur Distt  
 Amritsar Down  
 LOGGING UP  
 19 Nov 2021  
 13:04  
 Karishh Sharma

SP (m V)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART  
FOR

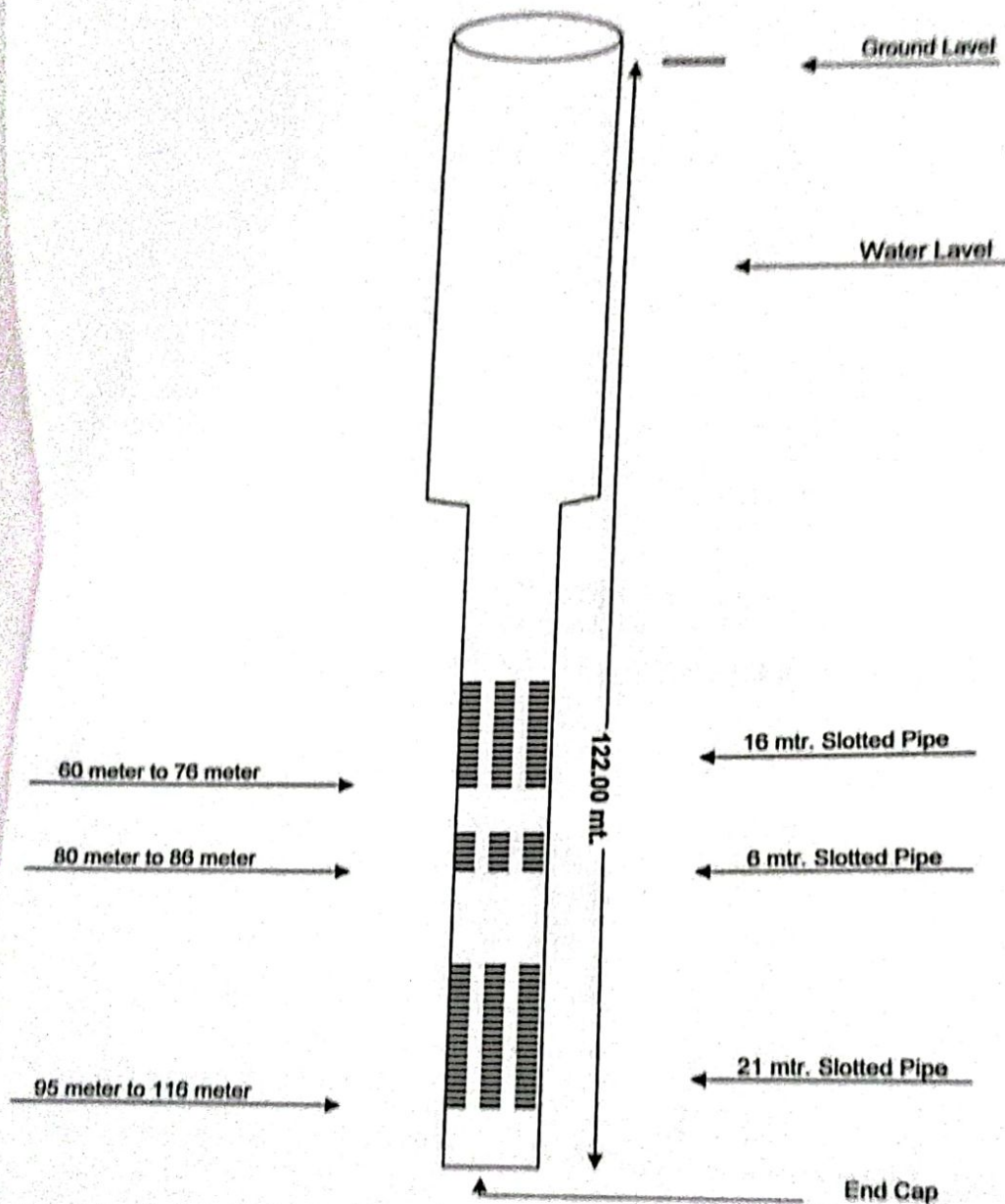
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Faiyyaz Nagar, Block - Hasanpur, Distt.- Amroha

Boring dia - 200X150mm.  
Type of Boring - Stainer  
Depth of Boring - 122 Mtr.  
Water Level - 18 Mtr.



RECOMMENDED CHART

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