

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 400

Date:- 04-02-2022

**NAME OF SITE**

GRAM PANCHAYAT- Gaffarpur BLOCK- Joya 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- GAFFARPUR, BLOCK- JOYA, 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 04.Feb.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 - 18	13	Fine sand	
3.	18 - 40	22	Clay kankar	
4.	40 - 50	10	Sandy clay	
5.	50 - 54	4	Clay kankar	
6.	54 - 64*	10	Fine to Medium sand	Medium
7.	64 - 70	6	Clay kankar	
8.	70 - 90*	20	Medium sand	Medium
9.	90 - 95	5	Clay kankar	
10.	95 - 120*	25	Medium sand	Medium



## Conclusions and Recommendations

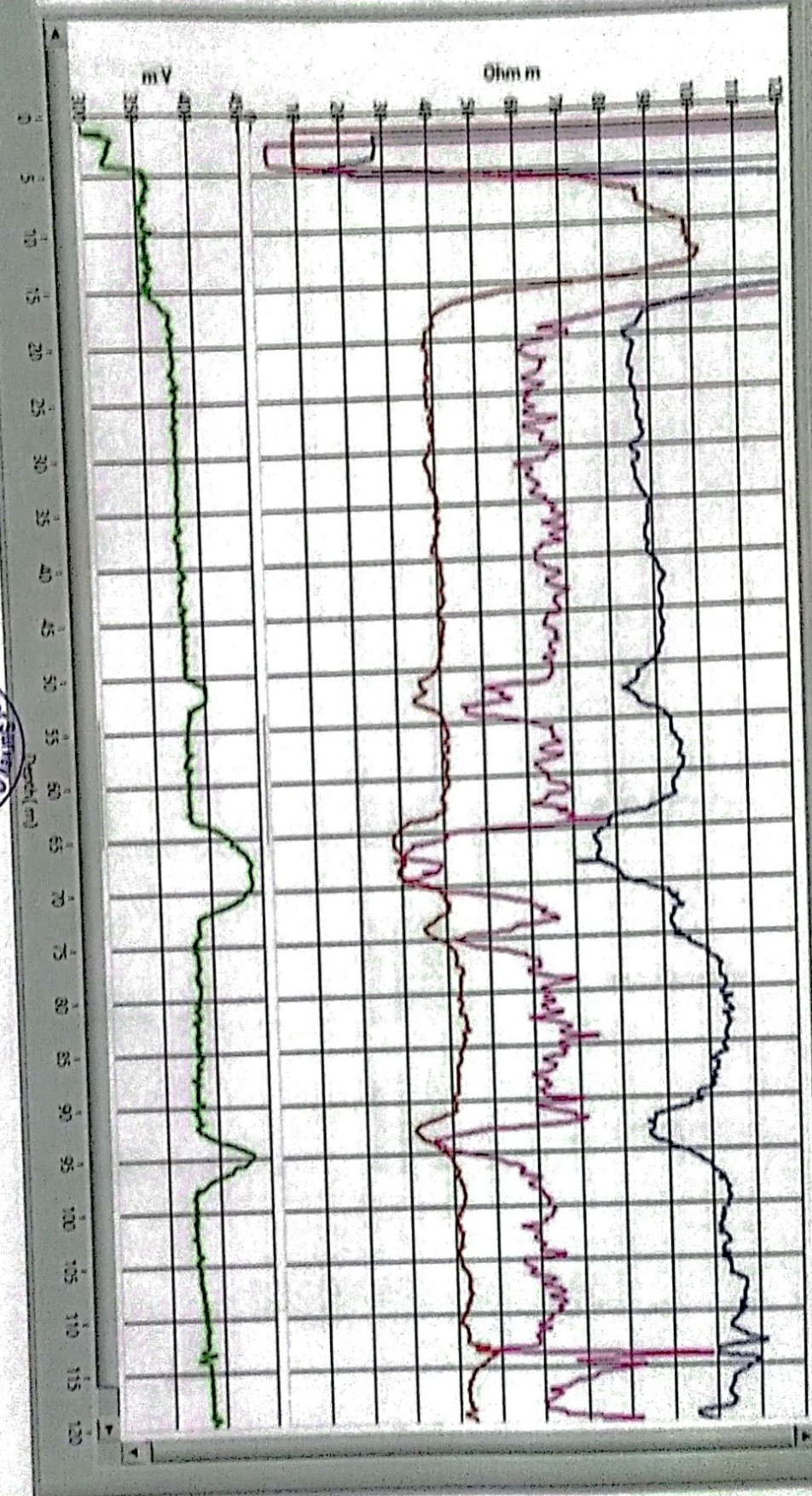
1. The Lithology broadly tallies with that of drill cutting starts chart
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. Expected discharge is 1000 to 1100 L.P.M.
5. It is recommended to have a chemical 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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Riwayat  
 10/10/2019  
 10/10/2019  
 10/10/2019

Lokasi: ...  
 Tanggal: ...  
 Waktu: ...  
 Operator: ...  
 No. Laporan: ...  
 No. Urut: ...  
 No. Papan: ...  
 No. Papan: ...  
 No. Papan: ...



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

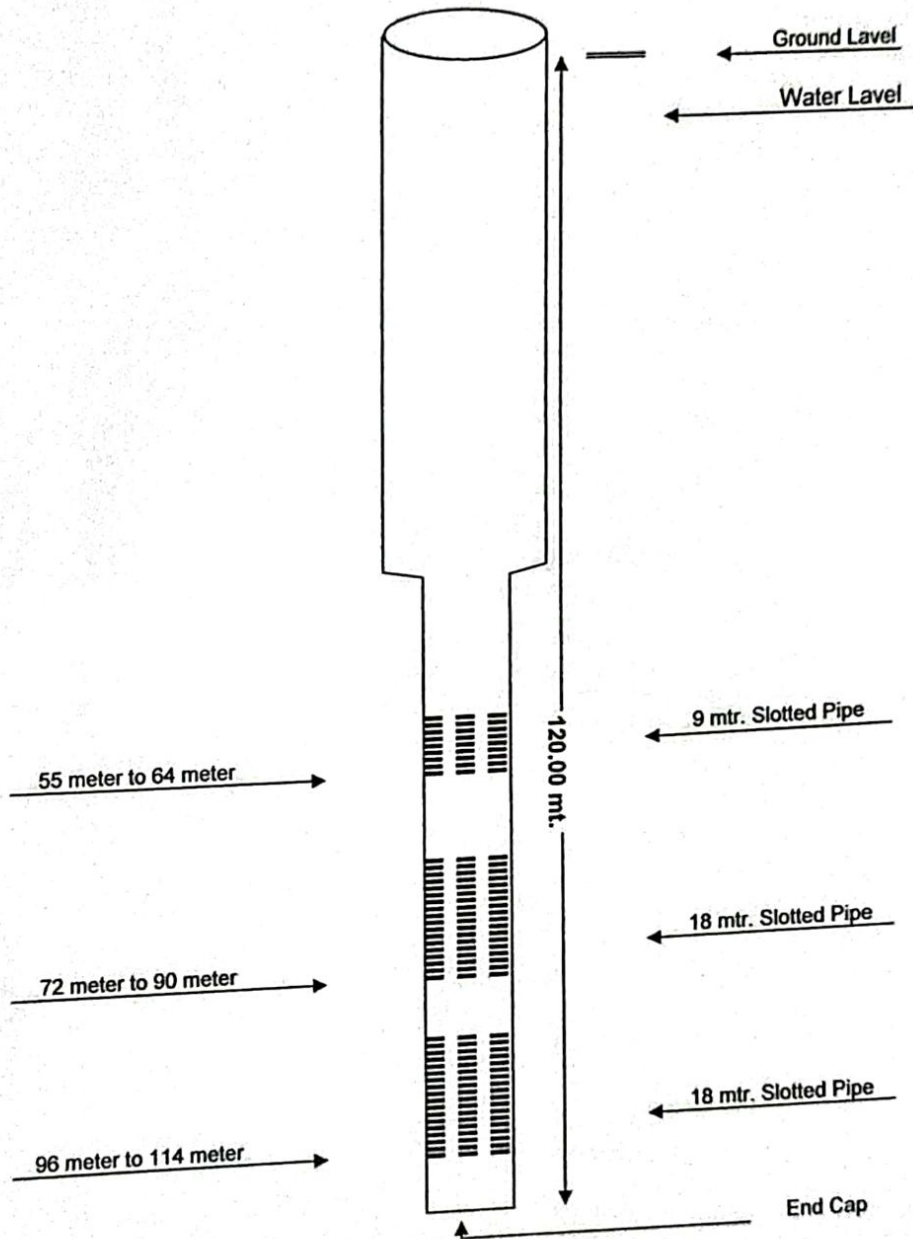
**M/s PNC-SPML-JV, Moradabad**

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

**AT SITE**

**Gram Panchayat - Gaffarpur, Block - Joya, Distt.- Amroha**

ing dia - 200X150mm.  
e of Boring - Stainer  
th of Loring - 120 Mtr.  
er Level - 6 Mtr.



**RECOMMENDED CHART**

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