

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 716

Date:- 31-08-2022

**NAME OF SITE**

GRAM PANCHAYAT- Bijnora

BLOCK- Hasanpur

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- BIJNORA, BLOCK- HASANPUR, DISTT- AMROHA**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 122 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 31.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 - 20	15	Dry sand	
3.	20 - 30	10	Clay kankar	
4.	30 - 43	13	Fine to Medium sand	Good
5.	43 - 64	21	Clay kankar	
6.	64 - 90*	26	Medium sand	Good
7.	90 - 95	5	Clay kankar	
8.	95 - 110*	15	Fine to Medium sand	Good
9.	110 - 120	10	Sandy clay	

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**Conclusions and Recommendations :-**

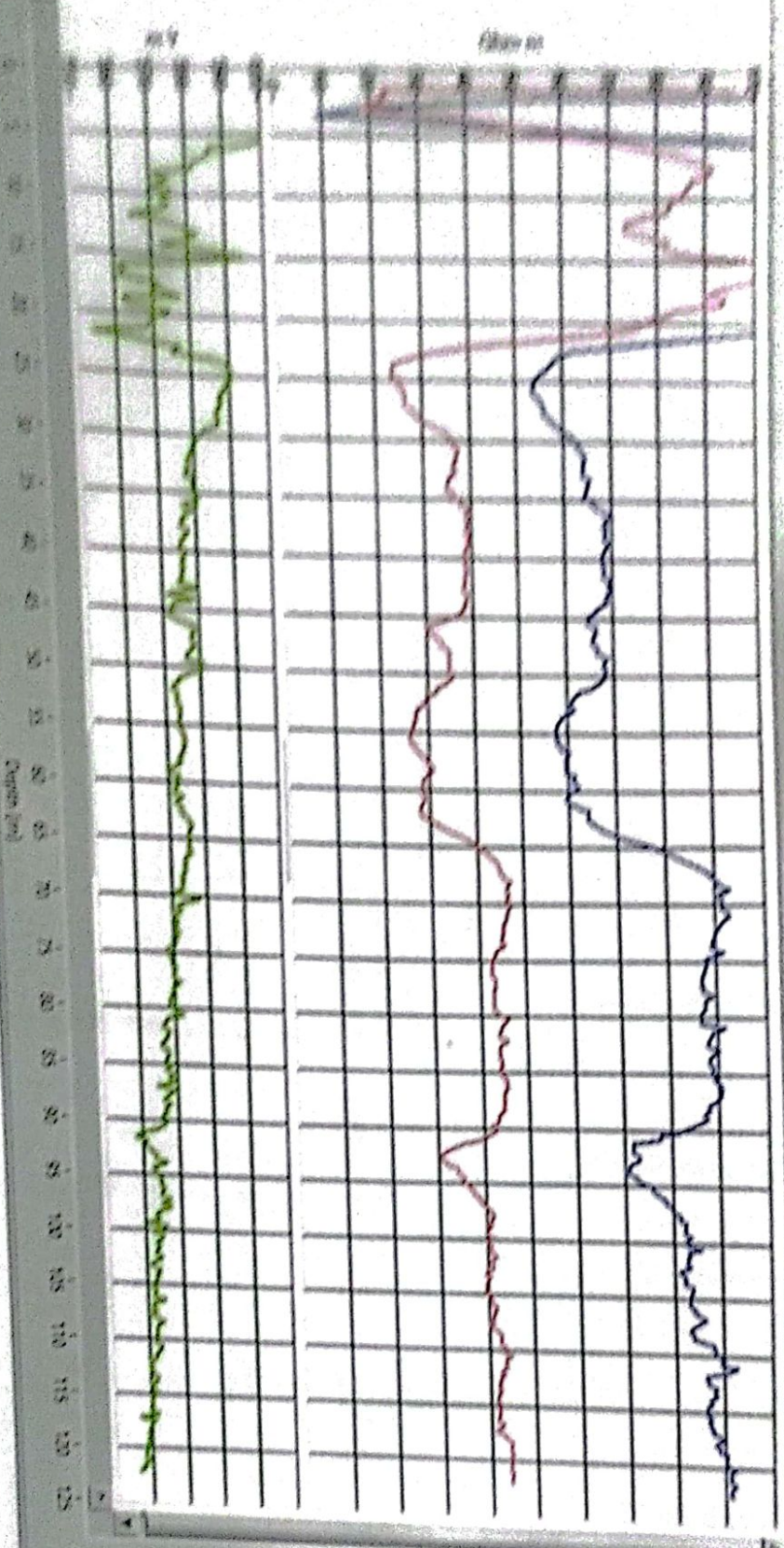
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 900 L.P.M.
5. It is recommended to have a chemical 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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ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART  
FOR

M/s PNC-SPML-JV, Moradabad

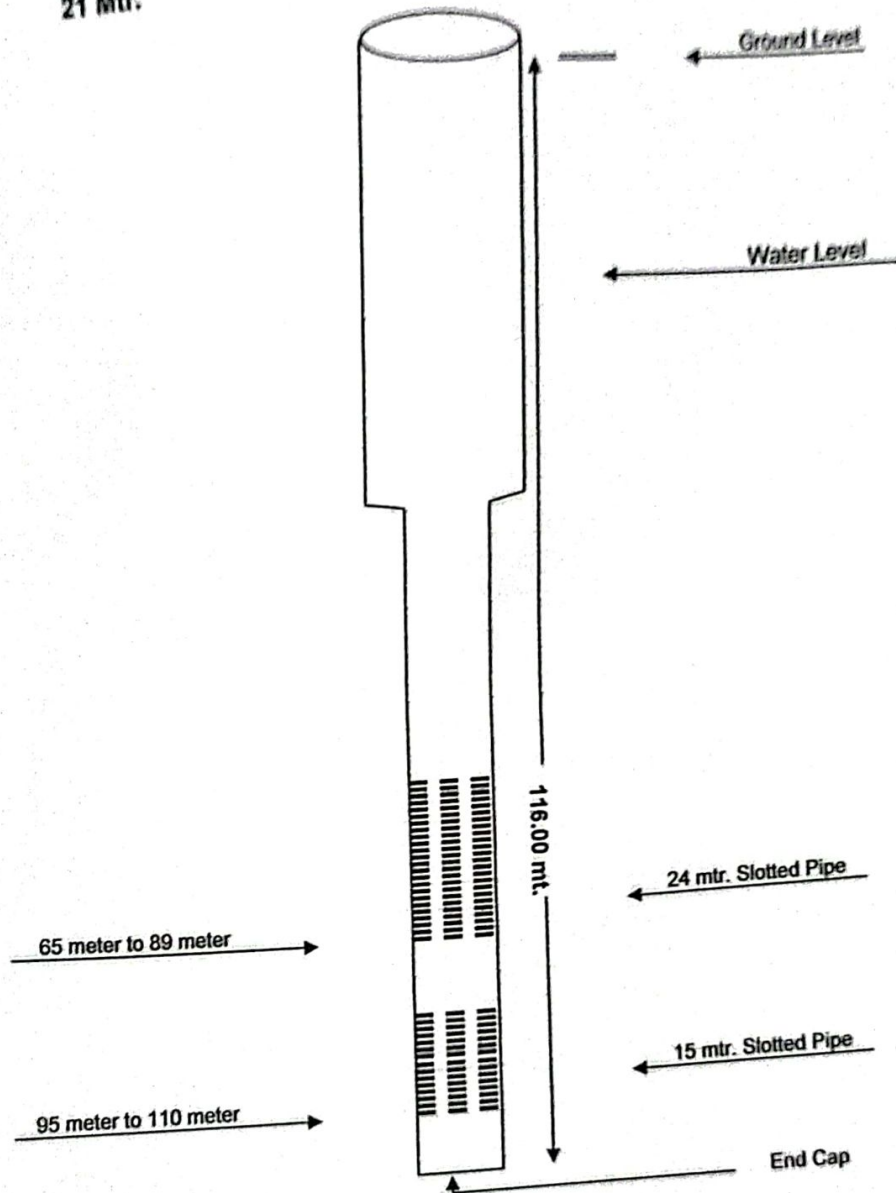
22, CAMAC STREET, BLOCK-A, 1st FLOOR, KOLKATA-700016

AT SITE

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

ing dia -  
e of Boring -  
pth of Loring -  
ter Level -

200X150mm.  
Stainer  
116 Mtr.  
21 Mtr.



RECOMMENDED CHART

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