

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 282

Date:- 03-01-2022

### NAME OF SITE

GRAM PANCHAYAT- Phulpur Bisalpur 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- PHULPUR BISALPUR, BLOCK- HASANPUR, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 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 03.Jan.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 kankar	
3.	15 - 40	25	Medium sand	Good
4.	40 - 54	14	Clay kankar	
5.	54 - 85*	31	Fine to Medium sand	Good
6.	85 - 100	15	Clay kankar	
7.	100 - 118*	18	Fine to Med. sand & Kankar	Good
8.	118 - 130	12	Clay kankar	

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### 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 Good.
4. Expected discharge is 1200 to 1400 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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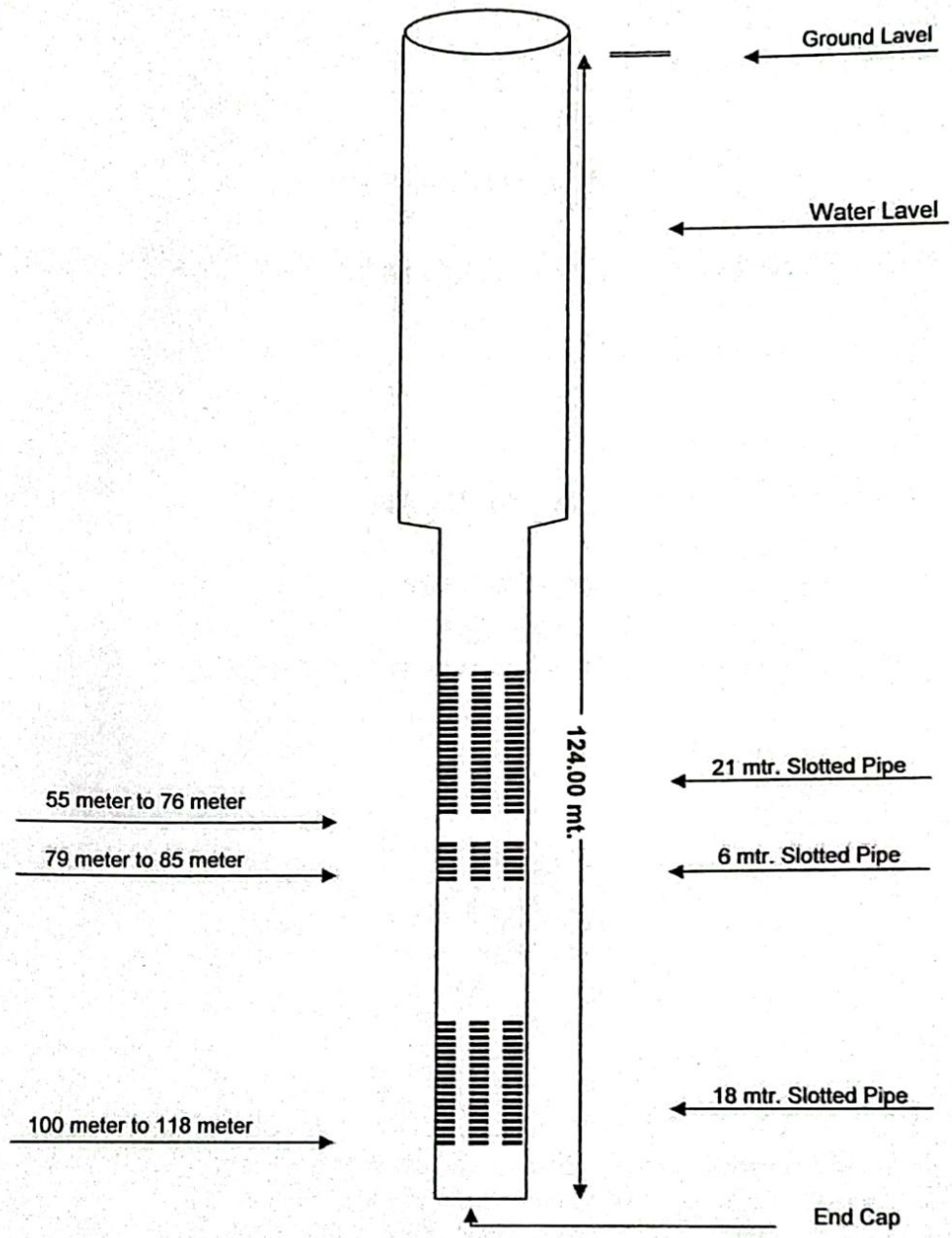


# ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR  
**M/s PNC-SPML-JV, Moradabad**  
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016  
AT SITE

Gram Panchayat - Phulpur Bisalpur, Block - Hasanpur, Distt.- Amroha

ing dia - 300x200 Mtr.  
e of Boring - Stainer  
pth of Loring - 124 Mtr.  
ater Level - 18 Mtr.



## RECOMMENDED CHART

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