

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 198

Date:- 19-12-2021

### NAME OF SITE

GRAM PANCHAYAT- Burawali BLOCK- Gangeshwari DISTT- Amroha

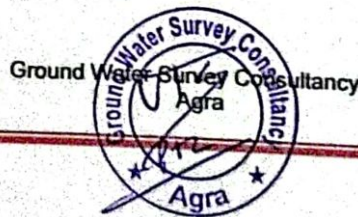
### NAME OF AGENCY

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**



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BURAWALI, BLOCK- GANGESHWARI, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 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 19.Dec.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 - 12	7	Clay	
3.	12 - 25	13	Sandy clay	
4.	25 - 40	15	Fine sand	Good
5.	40 - 50	10	Clay kankar	
6.	50 - 62*	12	Medium sand	Good
7.	62 - 66	4	Clay kankar	
8.	66 - 95*	29	Fine to Medium sand	Good
9.	95 - 110	15	Kankar & Sand	
10.	110 - 134*	24	Medium sand	Good
11.	134 - 138	4	Clay kankar	

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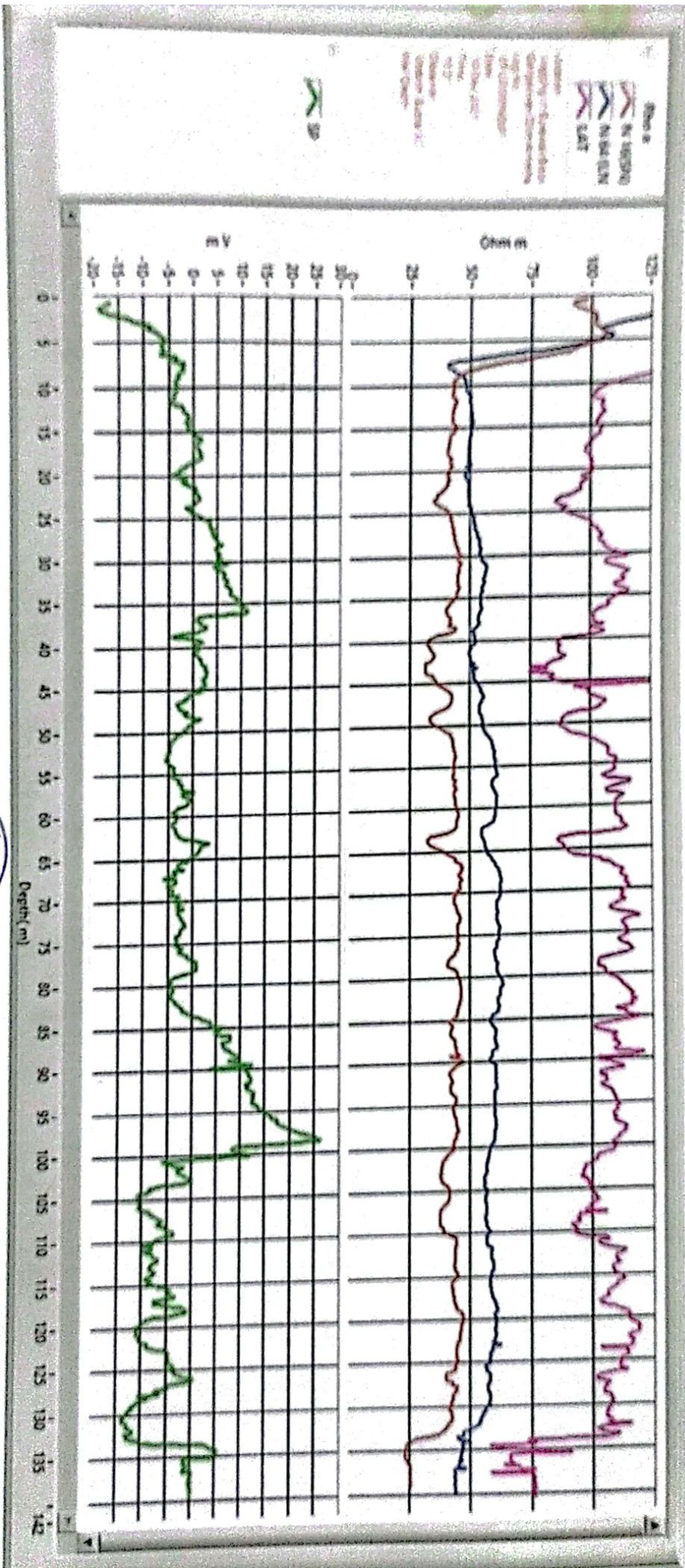
### Conclusions and Recommendations :-

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 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.

Geophysicist



Ground Water Survey Consultancy



# ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR

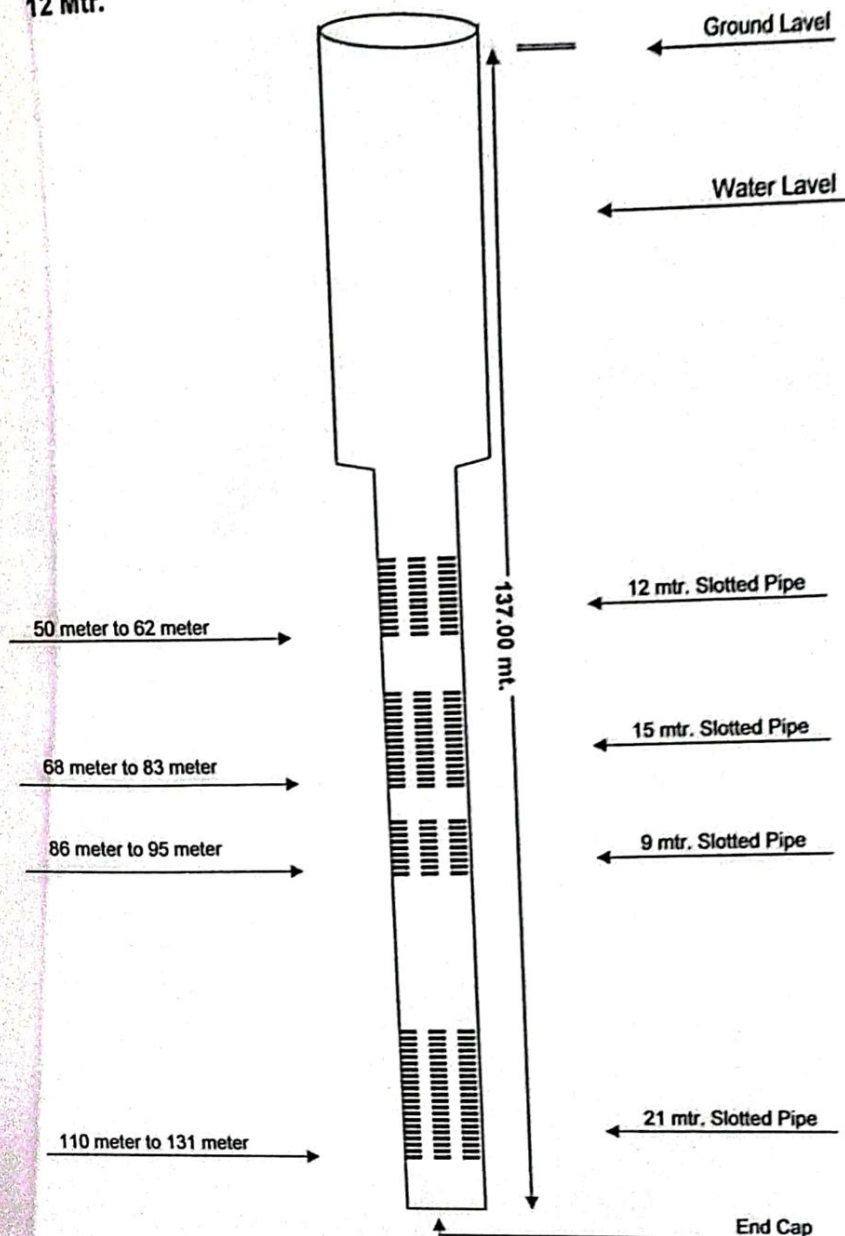
## M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Burawali, Block - Gangeshwari, Distt. - Amroha

300X200mm.  
oring -  
Loring -  
level -  
Stainer  
137 Mtr.  
12 Mtr.



### RECOMMENDED CHART

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