

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 113

Date:- 15-11-2021

NAME OF SITE

VILLAGE- Mahewa

BLOCK- Shahbad

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

For Ground Water Survey Consultancy
Ground Water Survey Consultancy
Agra

Proprietor

REPORT ON GEOPHYSICAL WELL LOGGING AT

VILLAGE- MAHEWA, BLOCK- SHAHBAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 134 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 15.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 - 12	7	Clay kankar	
3.	12 - 45	33	Medium sand & kankar	Good
4.	45 - 50	5	Clay kankar	
5.	50 - 66*	16	Medium sand	Good
6.	66 - 70	4	Kankar	
7.	70 - 102*	32	Medium sand	Good
8.	102 - 115	13	Clay kankar	
9.	115 - 134*	19	Medium sand	Good

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Geophysicist

Conclusions and Recommendations :-

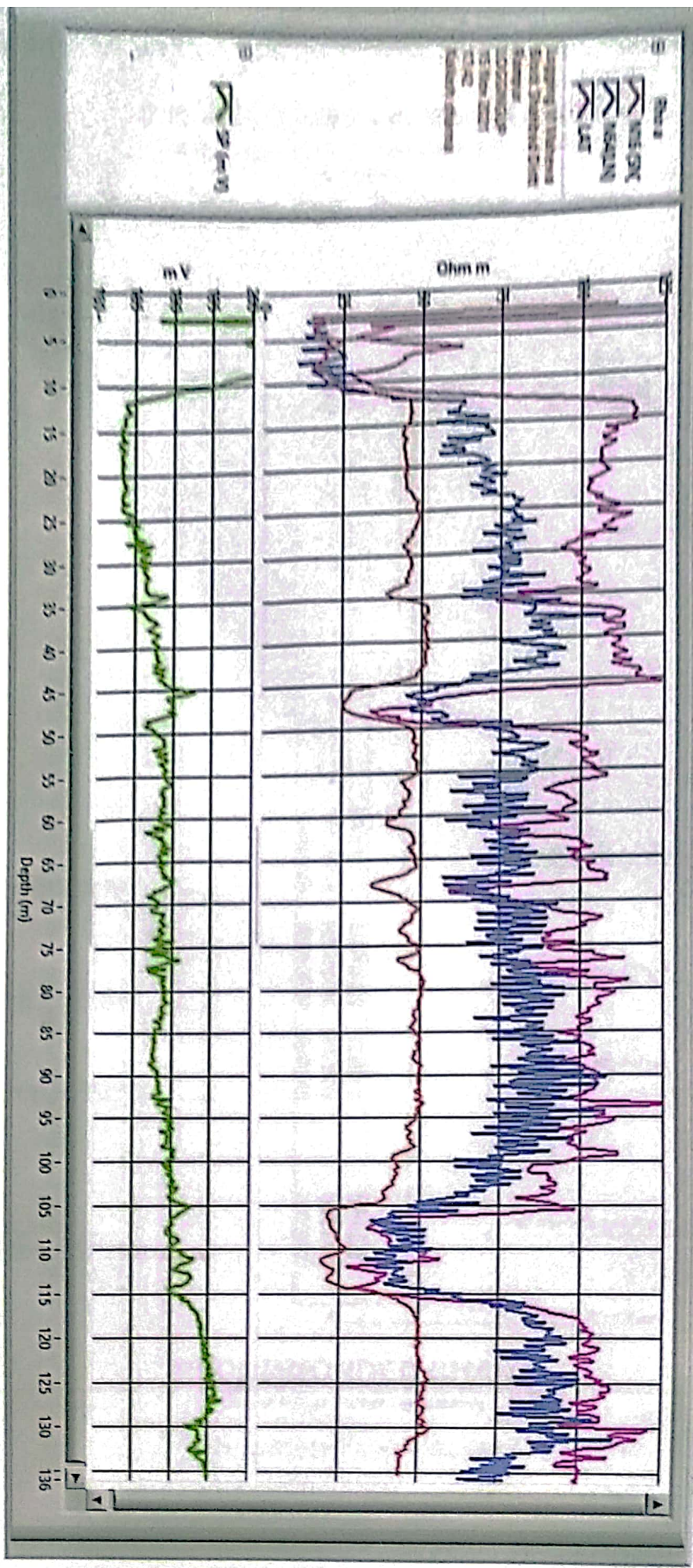
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 1000 L.P.M.
5. It is recommended to have a chemical 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

For Ground Water Survey Consultancy

UTG
Proprietor

Ground Water Survey Consultancy



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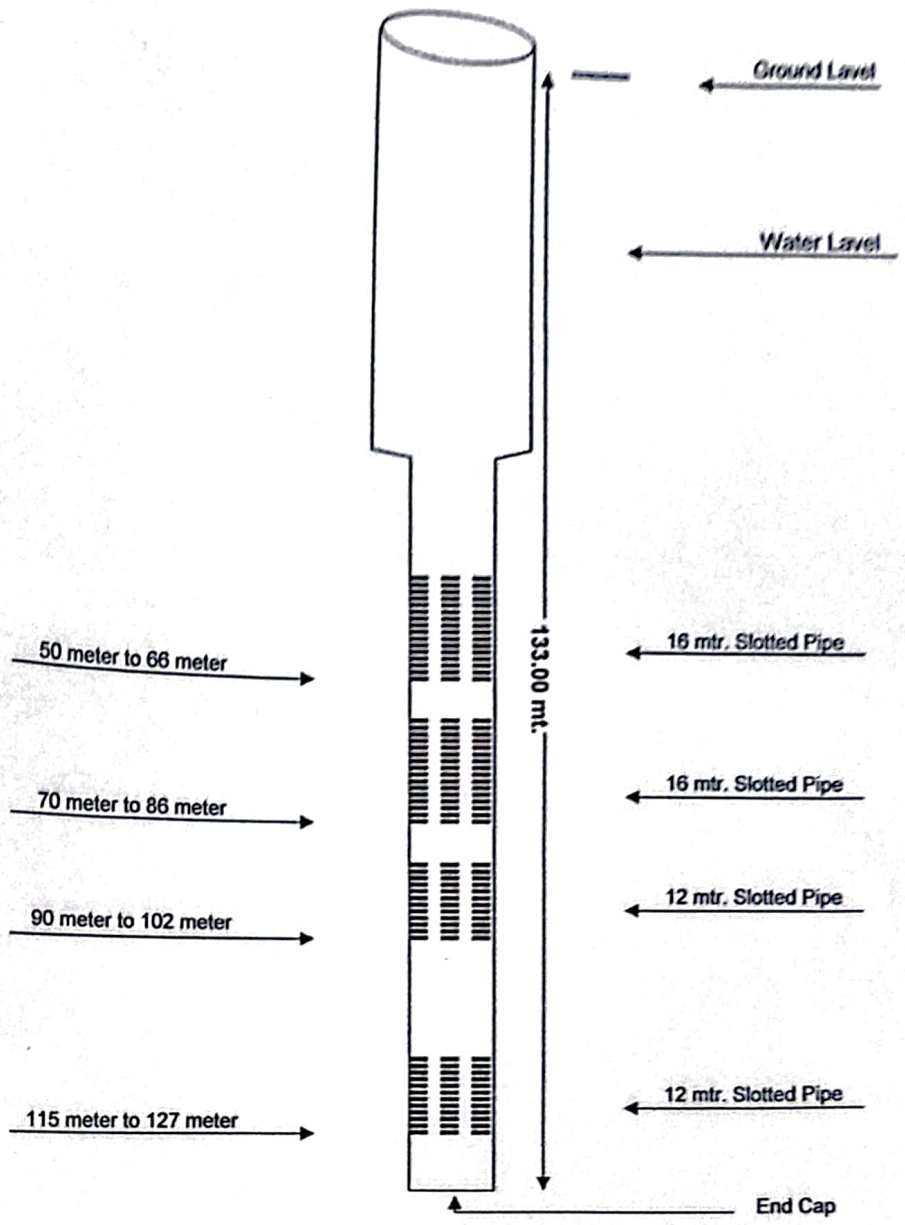
ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

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

AT SITE
 Village - Mahewa, Block - Shahbad, Distt. - Rampur

Boring dia -
 Type of Boring -
 Depth of Loring -
 Water Level -

Stainer
 133 Mtr.
 14 Mtr.



RECOMMENDED CHART

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