

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 196

Date:- 17-12-2021

NAME OF SITE

GRAM PANCHAYAT- Meera Saray BLOCK- Joya DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad

22, CAMAC STREAT, 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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MEERA SARAY, BLOCK- JOYA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 136 mtrs. at
ve 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
above bore hole using IGIS Well Logger on 17.Dec.2021.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.
tails of major equifer formations explored from logging of bore hole combined with the study
Strata Chart prepared from drill cuttings are given in the following table:-

No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Dry sand	
3.	14 - 30	16	Clay kankar	
4.	30 - 46	16	Fine to Medium sand	Good
5.	46 - 54	8	Clay kankar	
6.	54 - 70*	16	Medium sand	Good
7.	70 - 75	5	Clay kankar	
8.	75 - 100*	25	Medium sand	Good
9.	100 - 108	8	Clay kankar	
10.	108 - 120*	12	Medium sand	Good
11.	120 - 125	5	Clay kankar	
12.	125 - 136	11	Sandy clay	

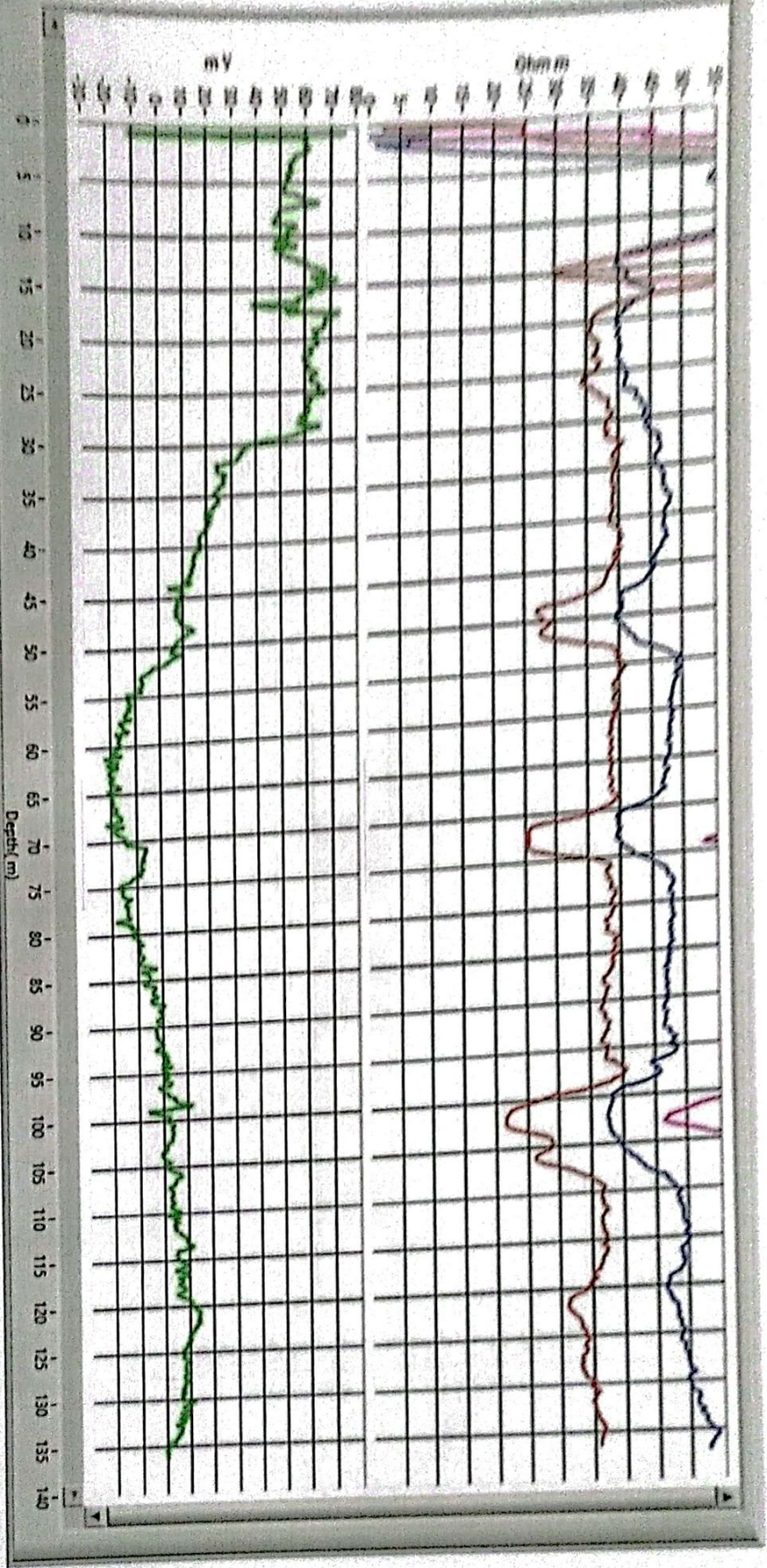


Conclusions and Recommendations :-

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.



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ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

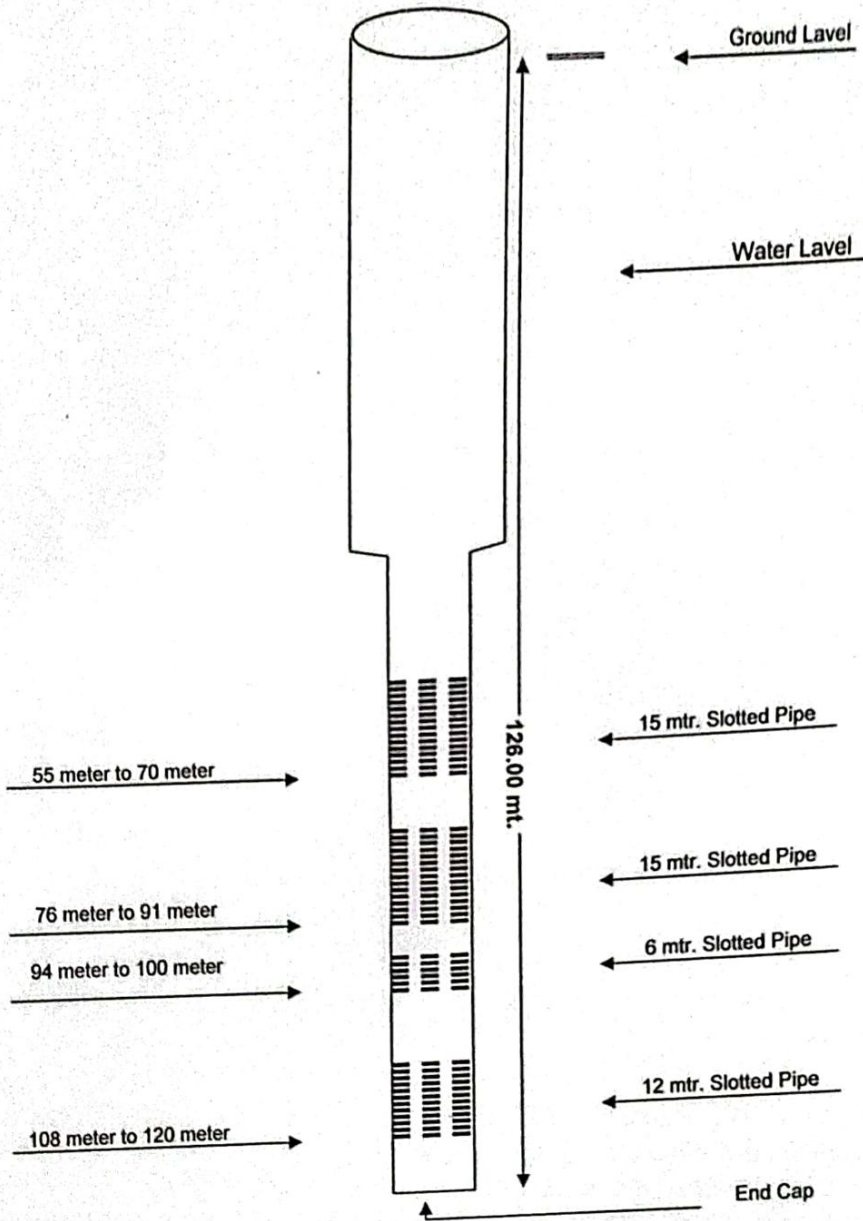
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Meera Saray, Block - Joya, Distt.- Amroha

g dia - 300X200mm.
of Boring - Stainer
h of Loring - 126 Mtr.
r Level - 18 Mtr.



RECOMMENDED CHART

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