

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 374

Date:- 31-01-2022

NAME OF SITE

GRAM PANCHAYAT- Pathra Mustakin BLOCK- Gangeshwari DISTT- Amroha

NAME OF AGENCY

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



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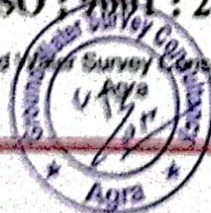
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 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.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 - 12	7	Dry sand	
3.	12 - 15	3	Clay kankar	
4.	15 - 31	16	Medium sand	Med. to Good
5.	31 - 50	19	Clay kankar	
6.	50 - 77*	27	Medium sand & Kankar	Med. to Good
7.	77 - 85	8	Clay kankar	
8.	85 - 95*	10	Medium sand	Medium
9.	95 - 110	15	Clay kankar	
10.	110 - 136*	26	Medium sand & Kankar	Medium
11.	136 - 139	3	Clay kankar	

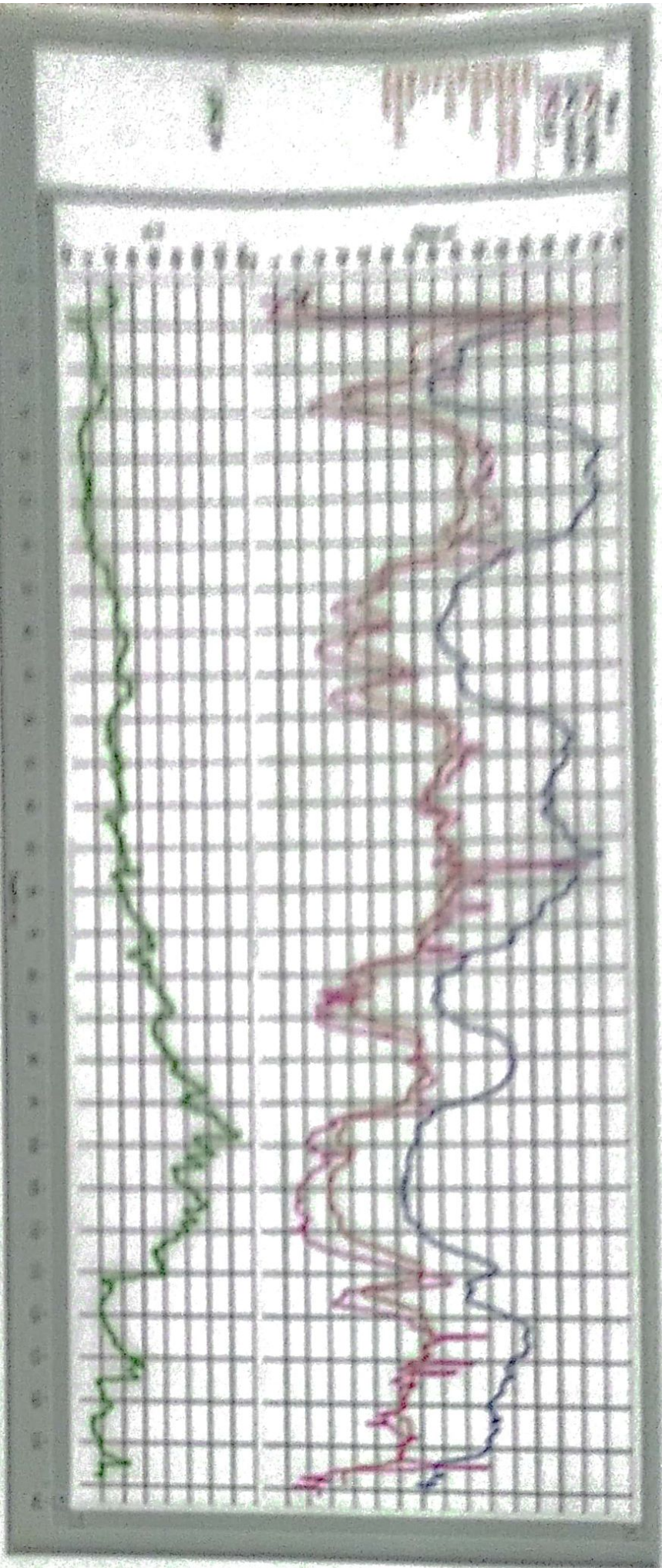


Conclusions and Recommendations :-

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 Medium to Good.
4. Expected discharge is 1000 to 1100 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

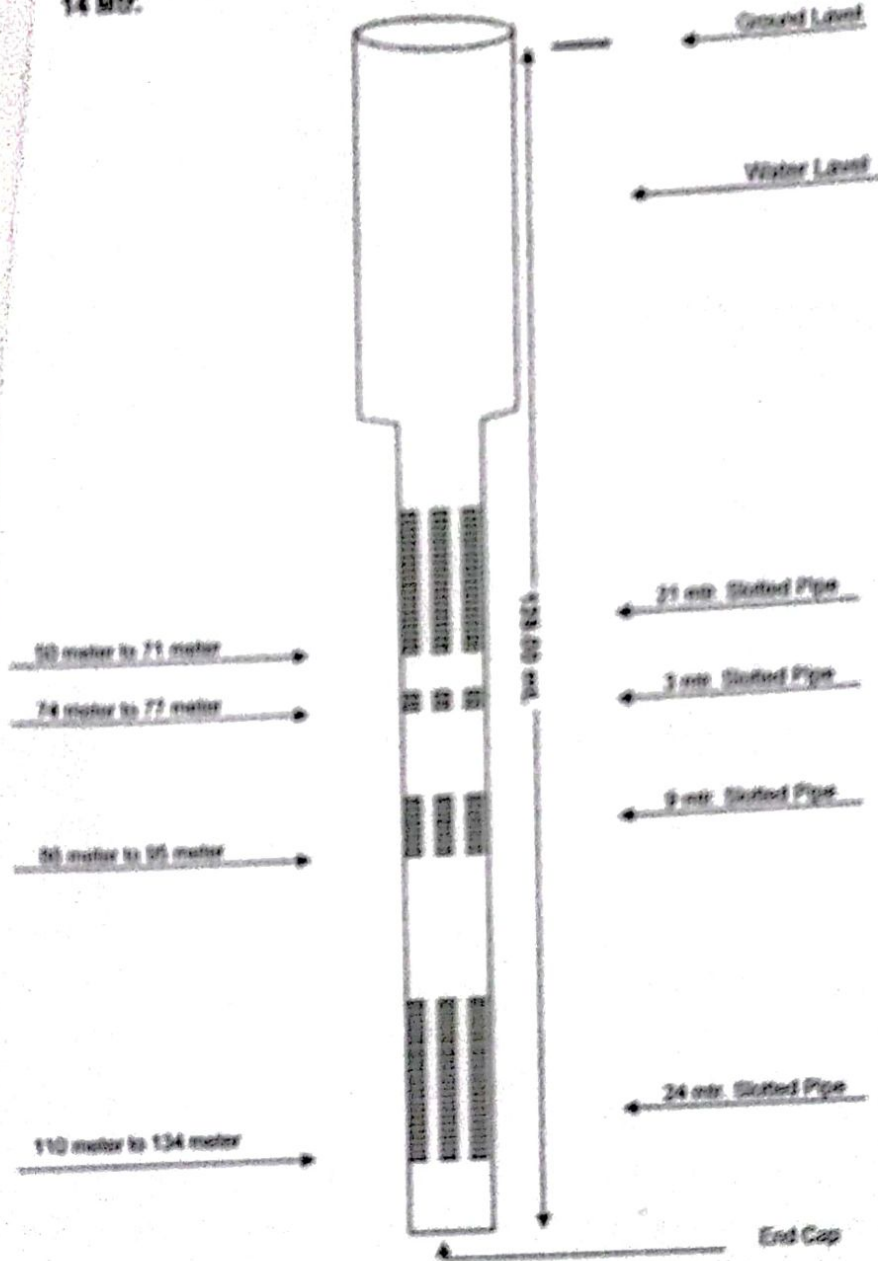
M/s PNC-SPML JV, Moradabad

22, CANAL STREET, BLOCK 'A', 3rd FLOOR, AGRA-201006

AT SITE

Gram Panchayat - Pathra Mustakin, Block - Gangashwari, Distt. - Amroha

dia - 300X150mm.
of Boring - Stainer
of Logging - 139 Mtr.
Level - 14 Mtr.



RECOMMENDED CHART

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