

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 328

Date:- 17-01-2022

NAME OF SITE

GRAM PANCHAYAT- Shahpur Rajheda BLOCK- Dhanuada 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- SHAHPUR RAJHEDA, BLOCK- DHANUADA
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 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 17.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 - 20	15	Clay	
3.	20 - 51*	31	Medium sand & Kankar	Med. to Good
4.	51 - 60	9	Clay kankar	
5.	60 - 80*	20	Medium sand	Med. to Good
6.	80 - 90	10	Kankar	
7.	90 - 100	10	Fine sand	Med. to Good
8.	100 - 112*	12	Fine to Medium sand	Med. to Good
9.	112 - 134	22	Clay kankar	



Conclusions and Recommendations

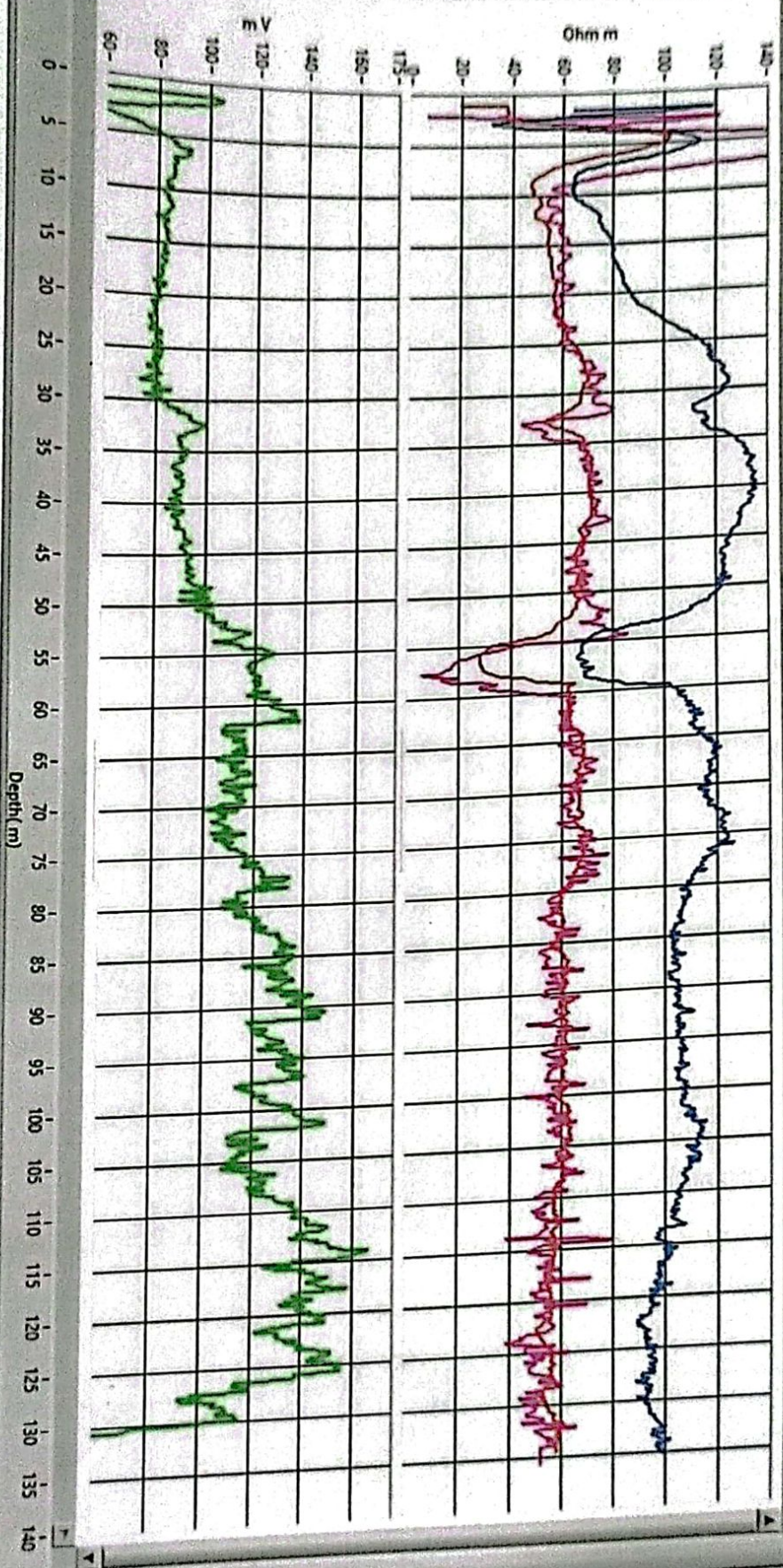
1. The Lithology broadly tallies with that of drill cutting starts chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
4. Expected discharge is 1000 to 1200 L.P.M.
5. It is recommended to have 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



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Area
 K N N N N
 K N N N N
 K N N N N
 K N N N N



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART FOR

M/s PNC-SPML-JV, Moradabad

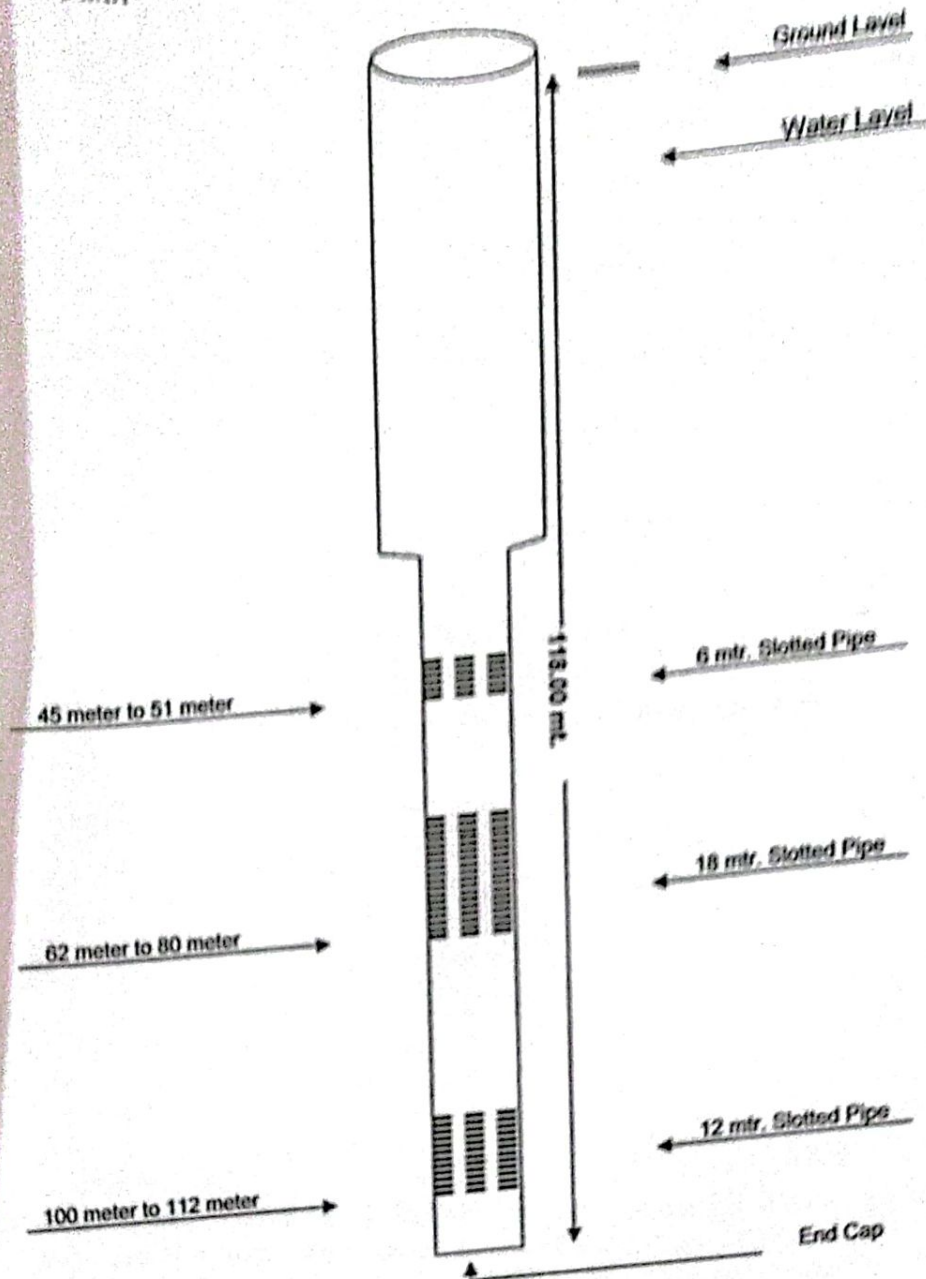
22, CAMAC STREET, BLOCK-A, 1st FLOOR, KOLKATA-700016

AT SITE

Gram Panchayat - Shahpur Rajheda, Block - Dhanuada, Distt. - Amroha

ing dia -
e of Boring -
ith of Loring -
ter Level -

300X150mm,
Stainer
118 Mtr.
8 Mtr.



RECOMMENDED CHART

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