

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 142

Date:- 28-11-2021

NAME OF SITE

GRAM PANCHAYAT- Daulatpur Koral BLOCK- Amroha DISTT- Amroha

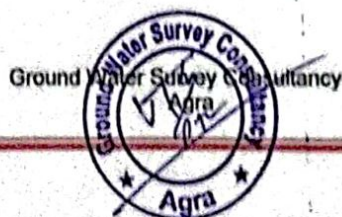
NAME OF AGENCY

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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DAULATPUR KORAL, BLOCK- AMROHA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 120 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 28.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 - 10	5	Fine sand	
3.	10 - 18	8	Sandy clay	
4.	18 - 30	12	Fine sand	
5.	30 - 34	4	Sandy clay	
6.	34 - 40*	6	Fine to Medium sand	Med. to Good
7.	40 - 44	4	Clay kankar	
8.	44 - 57*	13	Medium sand	Med. to Good
9.	57 - 62	5	Clay kankar	
10.	62 - 94*	32	Fine sand	Med. to Good
11.	94 - 100*	6	Fine to Medium sand	Med. to Good
12.	100 - 105	5	Sandy clay	
13.	105 - 110*	5	Fine to Medium sand	Med. to Good
14.	110 - 120	10	Clay kankar	



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 Medium to 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

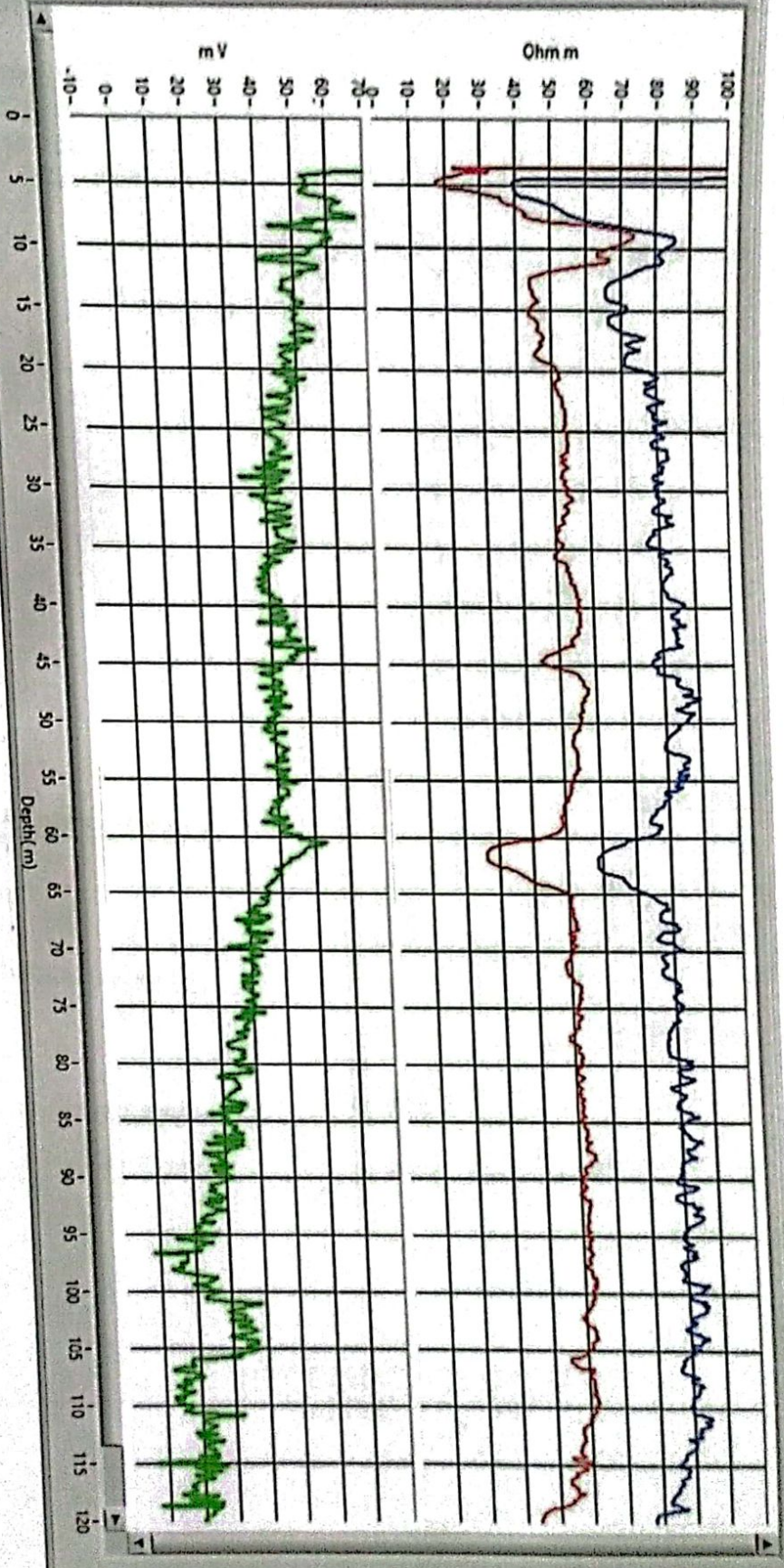


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Sheet #
 N 16SN
 N 64 QN
 LAT

Logging of Electrical
 Resistivity Logs
 Date: 28 Nov 2021
 Time: 12.25
 Operator: Ashish Prasad
 Scale: 1000 Ohm m

SP



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART FOR

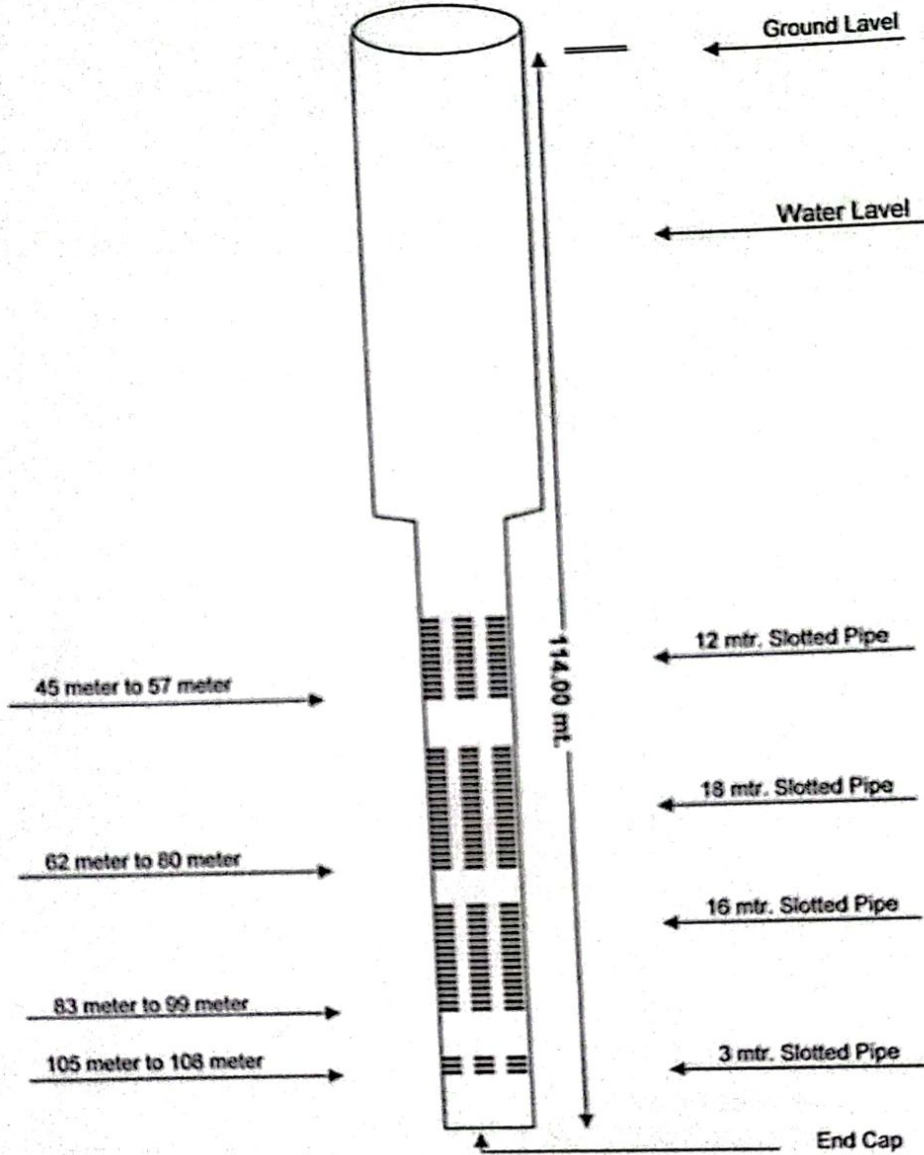
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Daulatpur Koral, Block - Amroha, Distt.- Amroha

ing dia - 200X150mm.
e of Boring - Stainer
th of Loring - 114 Mtr.
ter Level - 11 Mtr.



RECOMMENDED CHART

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