

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 247

Date:- 24-12-2021

NAME OF SITE

GRAM PANCHAYAT- Kanker Kheda BLOCK- Amroha DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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



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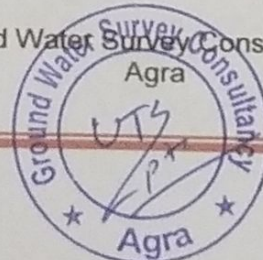
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANKER KHEDA, BLOCK- AMROHA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

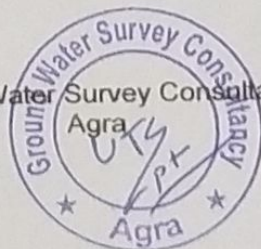
A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 122 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Dec.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 - 15	10	Dry sand	
3.	15 - 35	20	Clay kankar	
4.	35 - 50*	15	Medium sand	Med. to Good
5.	50 - 55	5	Clay kankar /	
6.	55 - 94*	39	Medium sand	Med. to Good
7.	94 - 102	8	Clay kankar 2	
8.	102 - 115*	13	Medium sand	Med. to Good
9.	115 - 120	5	Clay kankar 3	
10.	120 - 122	2	Fine to Medium sand	Med. to Good

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Conclusions and Recommendations :-

The Lithology broadly tallies with that of drill cutting starta chart.

The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.

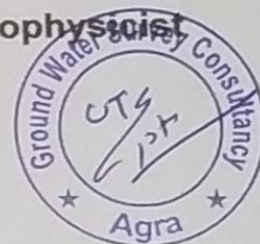
The Quality of water is expected Medium to Good.

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.

Geophysicist



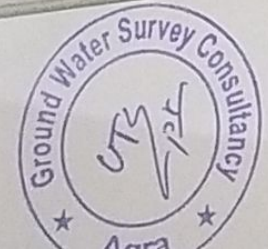
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Rho a

- N16 (SN)
- N64(LN)
- LAT

Spring Water Works
 10/10/2021
 Computer

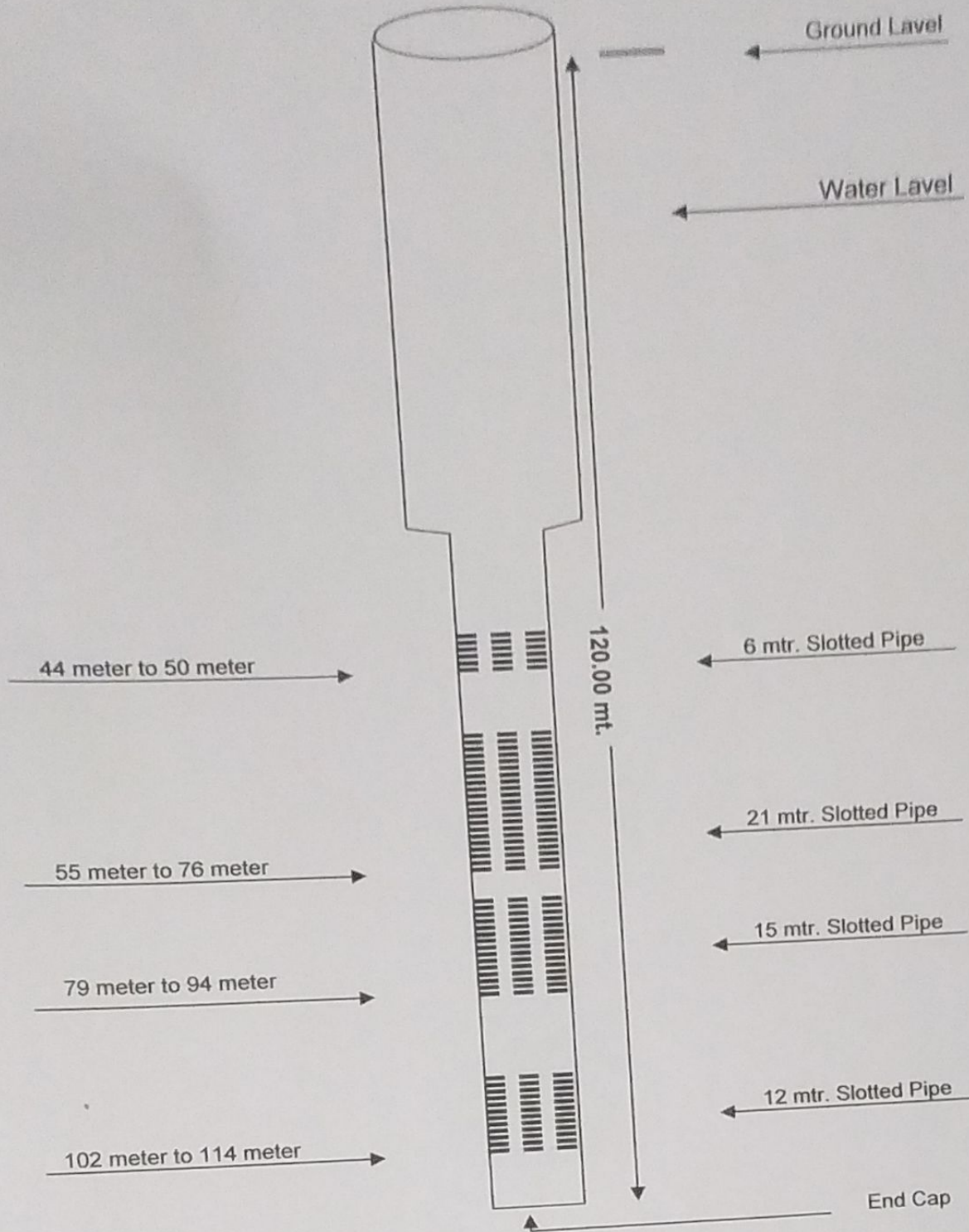
SP (mV)



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 - Kanker Kheda, Block - Amroha, Distt.- Amroha

Boring dia - 200x150 Mtr.
 Type of Boring - Stainer
 Depth of Boring - 120 Mtr.
 Water Level - 15 Mtr.



RECOMMENDED CHART

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