

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 585

Date:- 31-07-2022

NAME OF SITE

GRAM PANCHAYAT- Kuwadali

BLOCK- Hasanpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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



GROUND WATER SURVEY CONSULTANCY

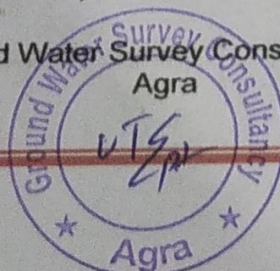
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUWADALI, BLOCK- HASANPUR, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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.July.2022.

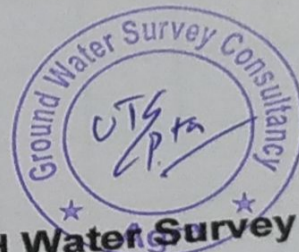
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand & Kankar	
3.	18 - 35	17	Clay	
4.	35 - 40	5	Sandy clay	
5.	40 - 45	5	Clay kankar	
6.	45 - 48	3	Fine sand	
7.	48 - 60	12	Clay kankar	
8.	60 - 72*	12	Medium sand	Good
9.	72 - 76	4	Clay kankar	
10.	76 - 88*	12	Medium sand	Good
11.	88 - 95	7	Clay kankar	
12.	95 - 118*	23	Medium sand	Good
13.	118 - 122	4	Kankar	
14.	122 - 130	8	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 900 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.

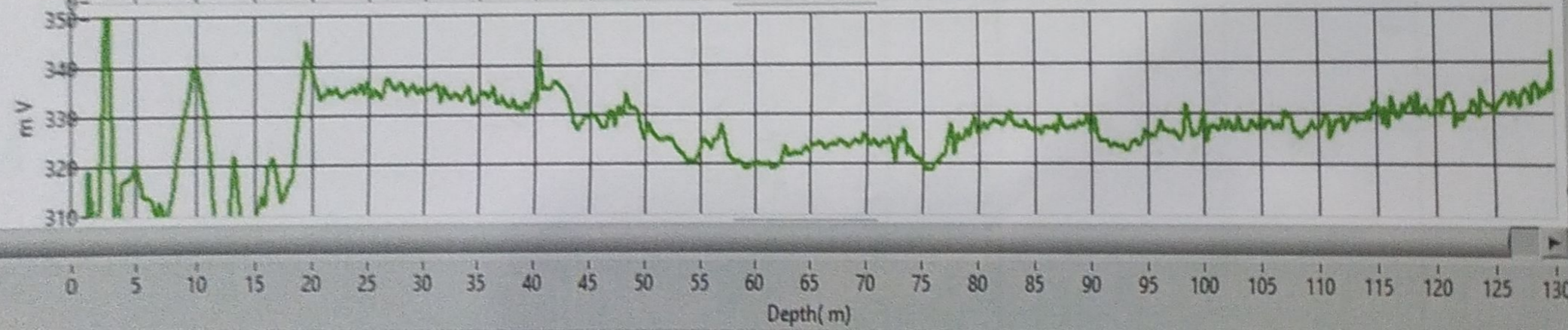
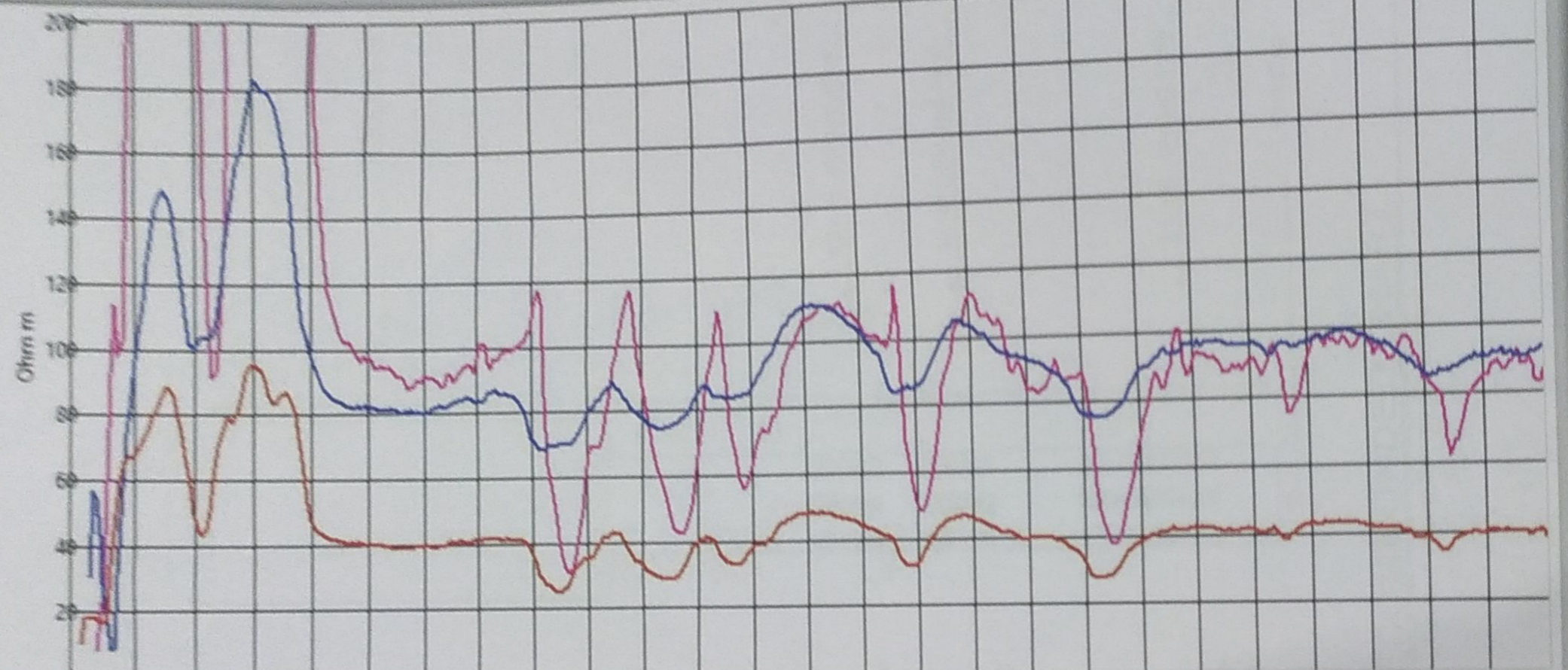
Geophysicist



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No. 10
 N 1000
 N 1000
 100

Location :
 Logging ID :
 Estimated Depth :
 Maximum Depth :
 Area :
 Log No. :
 Logging Date :
 Date :
 21 Jul 2002
 Time :
 19:05
 Observer :
 Uttarakh Gupta (G)
 Well Depth :



100
 100

ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

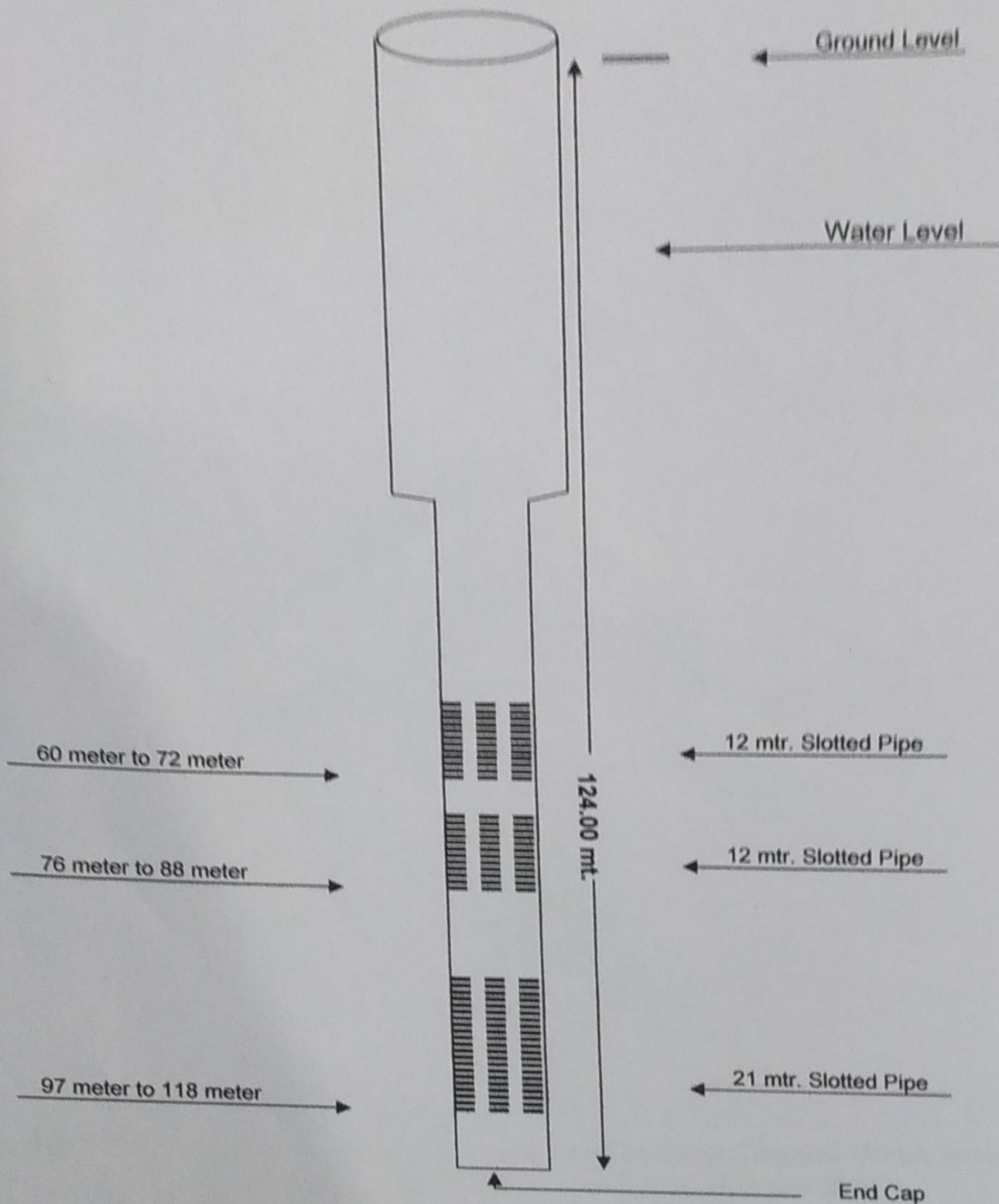
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Kuwadali, Block - Hasanpur, Distt. - Amroha

Boring dia - 200X150mm.
Type of Boring - Stainer
Depth of Boring - 124 Mtr.
Water Level - 18 Mtr.



RECOMMENDED CHART

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