

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

R/W No: 404

Date: 18-06-2022

NAME OF SITE

GRAM PANCHAYAT- Peeth Khera

BLOCK- Hasanpur

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad

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



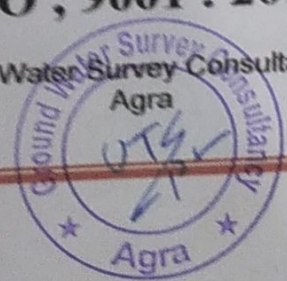
GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

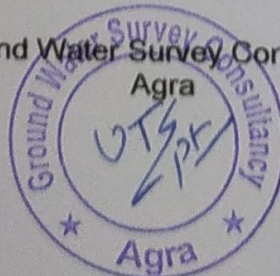
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.June.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	
3.	18 - 22	4	Clay kankar	
4.	22 - 27	5	Fine sand	Good ✓
5.	27 - 36 ✓	9	Clay kankar	
6.	36 - 55*	19 ✓	Medium sand	Good ✓
7.	55 - 70 ✓	15	Kankar	
8.	70 - 77* ✓	7	Fine to Medium sand	✓ Good
9.	77 - 95	18 ✓	Sandy clay	
10.	95 - 104*	9 ✓	Sand & Kankar	✓ Good
11.	104 - 115	11	Clay kankar	
12.	115 - 120 ✓	5	Medium sand	Good

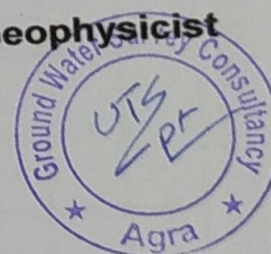
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Conclusions and Recommendations :-

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 600 to 700 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



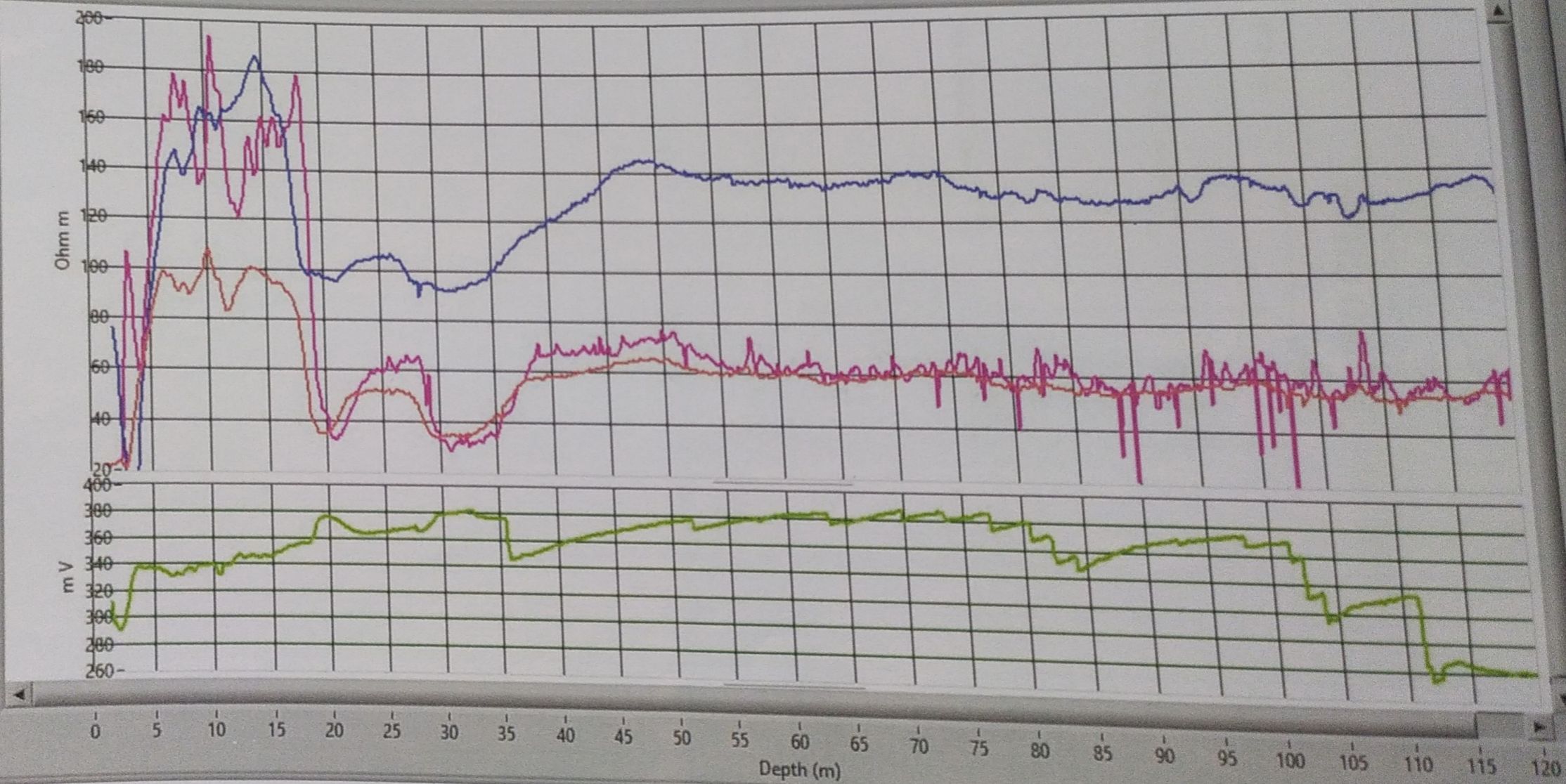
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Rho a

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

Logging VI Peeth
Khera Block
Hasanpur Distt
Amroha
LOGGINGDown
18 Jun 2022
14:20
Utkarsh Gupta (GY)

SP (m V)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

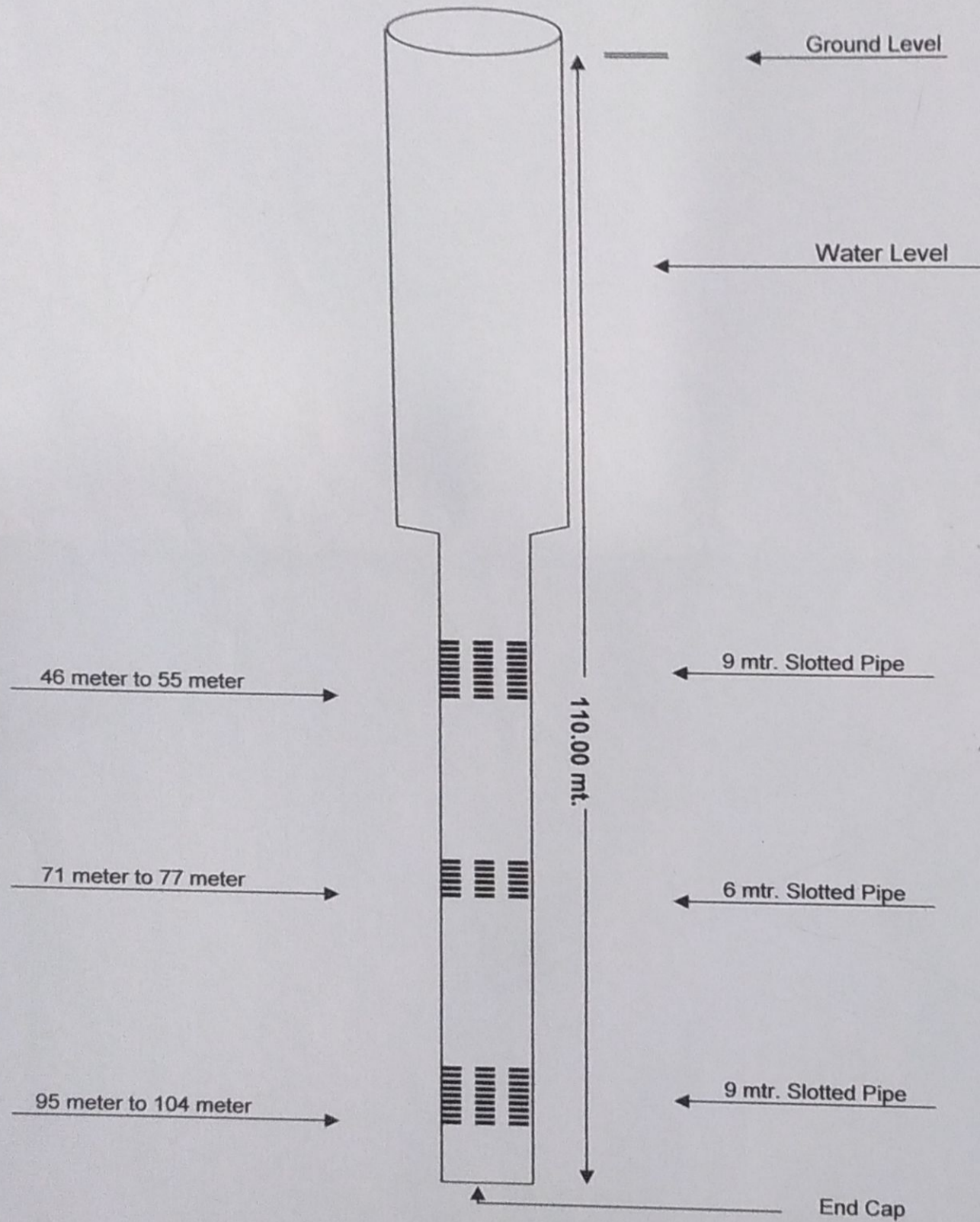
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Peeth Khera, Block - Hasanpur, Distt.- Amroha

Boring dia - **200X150mm.**
Type of Boring - **Stainer**
Depth of Loring - **110 Mtr.**
Water Level - **20 Mtr.**



RECOMMENDED CHART

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