

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 295

Date:- 07-01-2022

NAME OF SITE

GRAM PANCHAYAT- Vikrampur Tanwa BLOCK- Milak DISTT- Rampur

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- VIKRAMPUR TANWA, BLOCK- MILAK, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 07.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. | Defth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|----------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 15 | 10 | Fine sand | |
| 3. | 15 - 25 | 10 | Clay kankar | |
| 4. | 25 - 55* | 30 | Medium sand | Med. to Good |
| 5. | 55 - 59 | 4 | Clay kankar | |
| 6. | 59 - 79* | 20 | Medium sand & Kankar | Med. to Good |
| 7. | 79 - 83 | 4 | Clay kankar | |
| 8. | 83 - 101* | 18 | Medium sand | Med. to Good |
| 9. | 101 - 110 | 9 | Clay kankar | |

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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 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

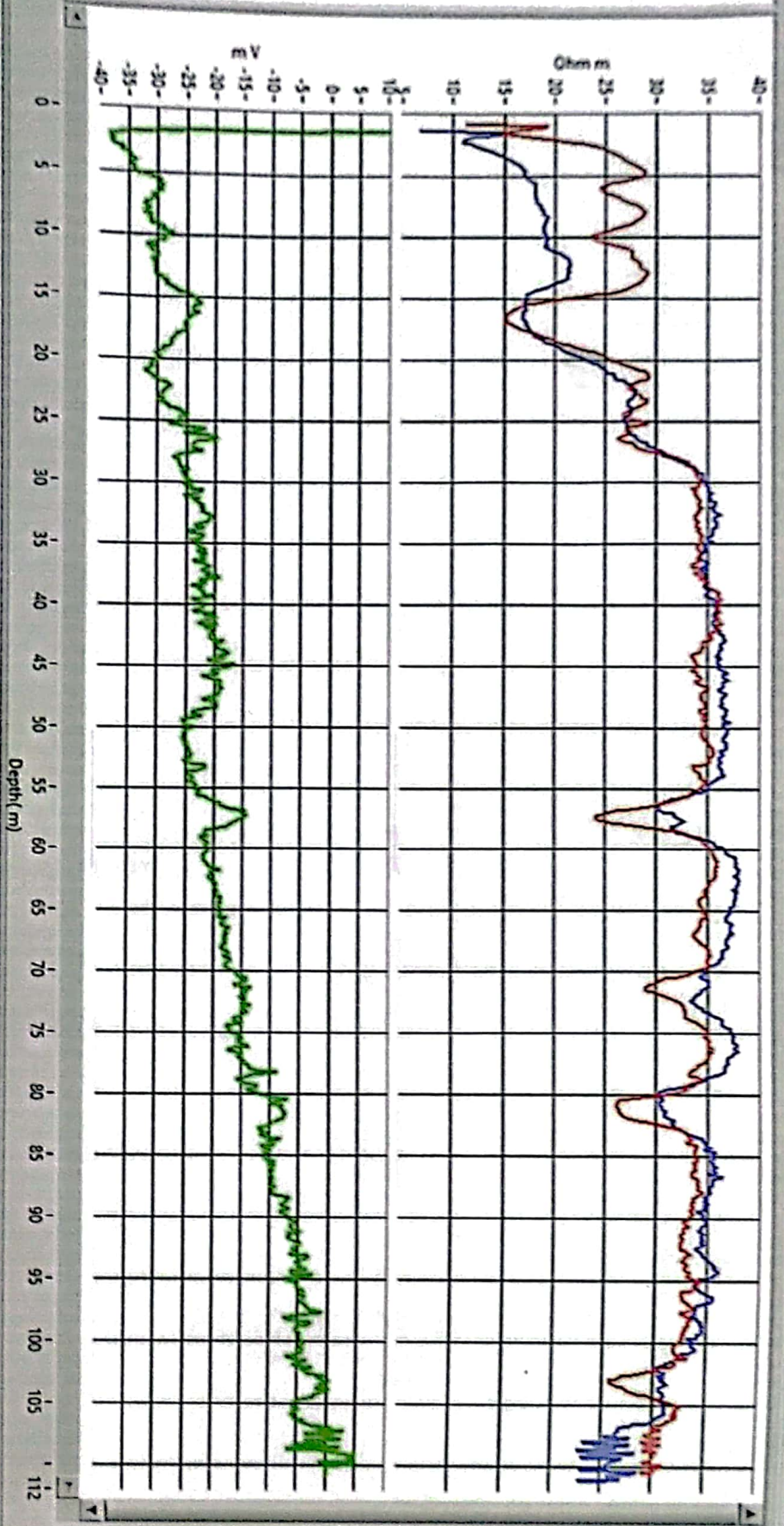


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Line 1
 N 16/50
 N 16/10
 N 16/11
 N 16/12

Station
 No. of Observations
 Date
 Time
 Name
 Charge
 Station Name (if any)
 Name of Observer

SP



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

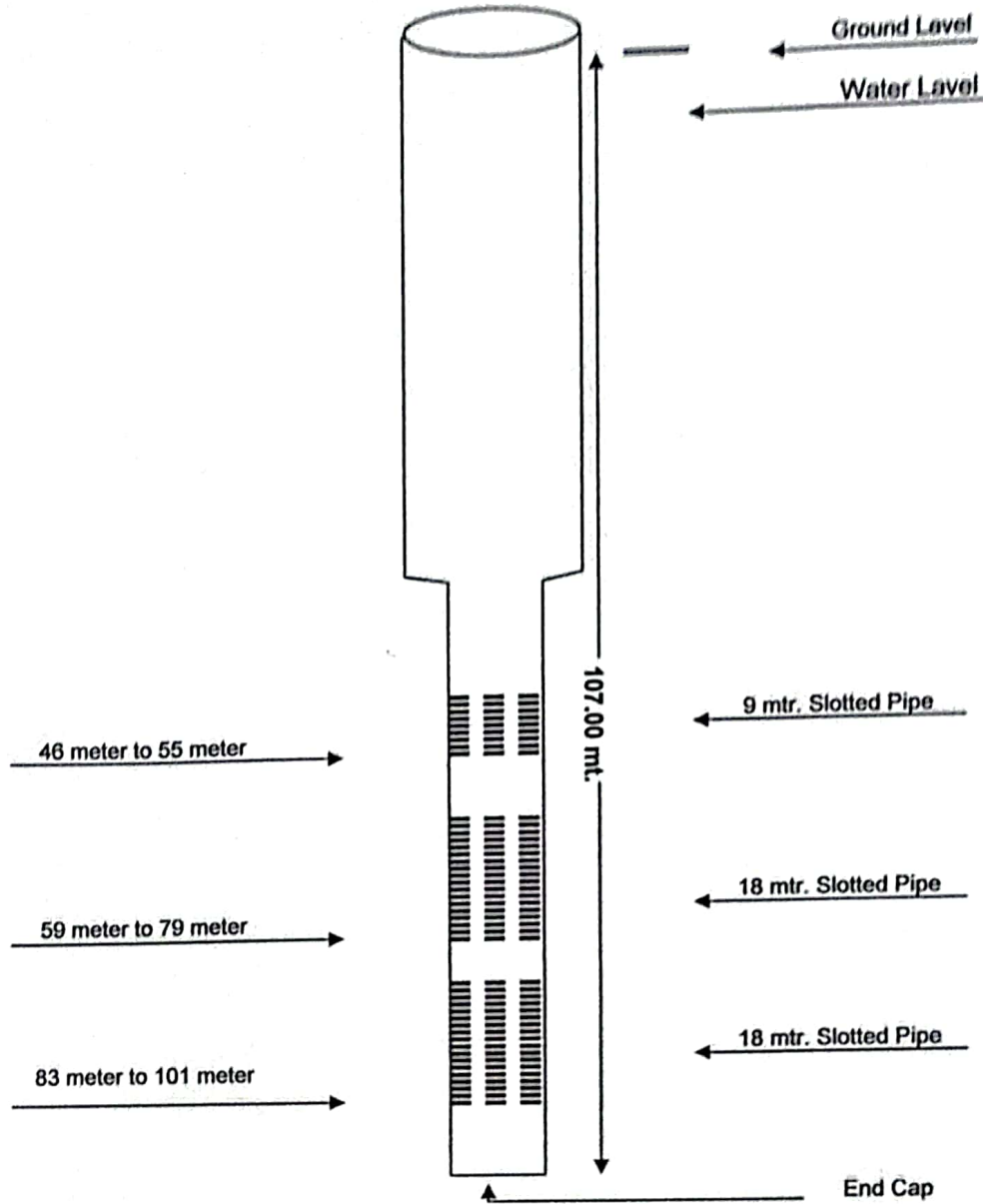
FOR
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Vikrampur Tanwa, Block - Milak, Distt.- Rampur

Boring dia - 200x150 Mtr.
Type of Boring - Stalner
Depth of Loring - 107 Mtr.
Water Level - 6 Mtr.



RECOMMENDED CHART

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