

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 181

Date:- 21-11-2021

NAME OF SITE

GRAM PANCHAYAT- Rampur Bhoor 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

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAMPUR BHOOR, 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 21.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 - 20 | 15 | Medium sand | |
| 3. | 20 - 35 | 15 | Clay kankar | |
| 4. | 35 - 45 | 10 | Medium sand | Good |
| 5. | 45 - 52 | 7 | Clay kankar | |
| 6. | 52 - 65* | 13 | Medium sand | Good |
| 7. | 65 - 68 | 3 | Clay kankar | |
| 8. | 68 - 76* | 8 | Medium sand | Good |
| 9. | 76 - 82 | 6 | Clay kankar | |
| 10. | 82 - 95* | 13 | Medium sand | Good |
| 11. | 95 - 115 | 20 | Clay kankar | |
| 12. | 115 - 118 | 3 | Fine sand | |
| 13. | 118 - 120 | 2 | 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 Good.
4. Expected discharge is 1000 to 1200 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



Ground Water Survey Consultancy

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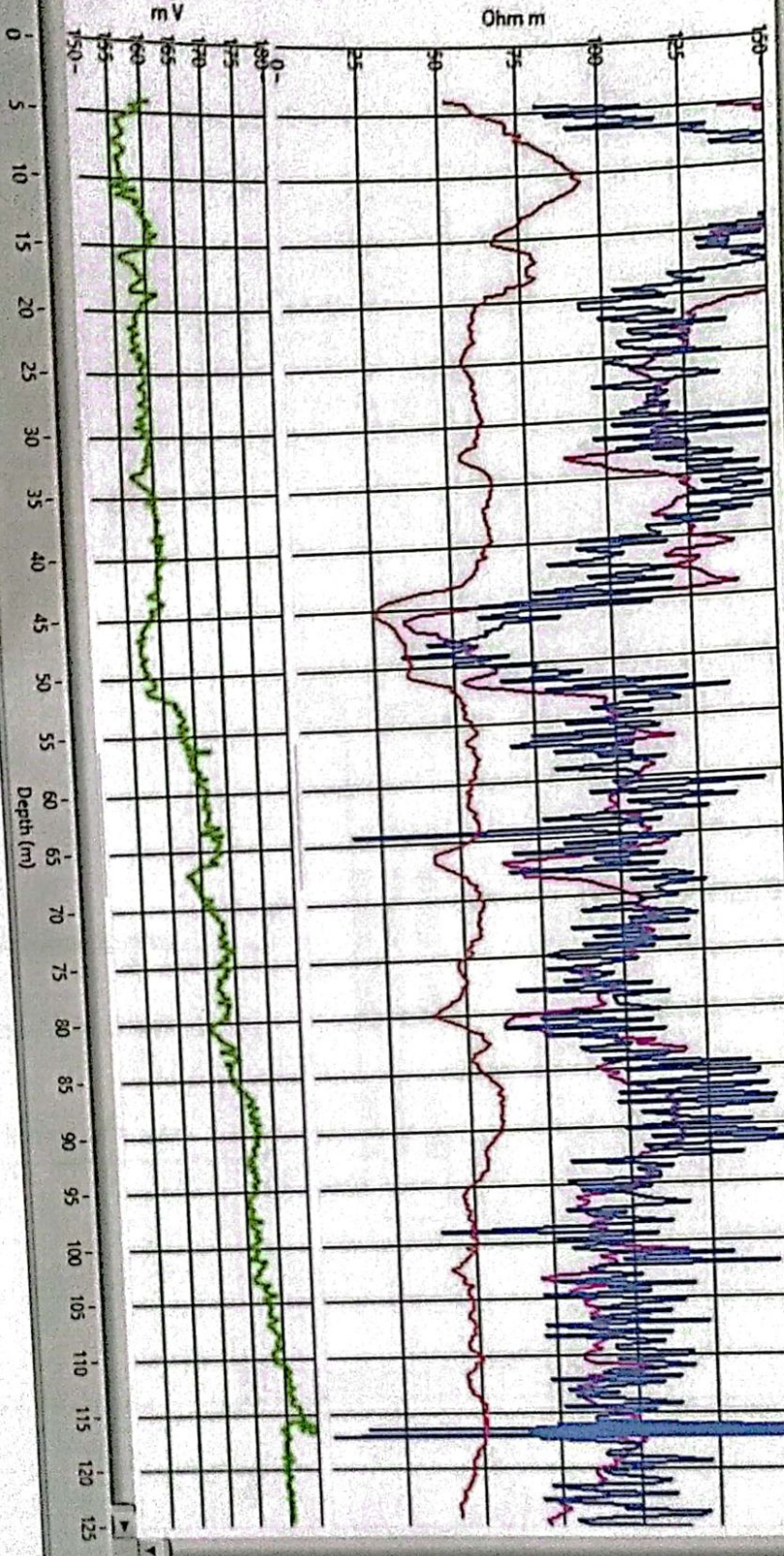
N16 (SN)

 N64 (LN)

 LAT

Logging vi rampur
 bhoor block
 hasanpur
 LOGGINGUP
 21 Nov 2021
 11:51
 ulkairish gupta

SP (mV)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

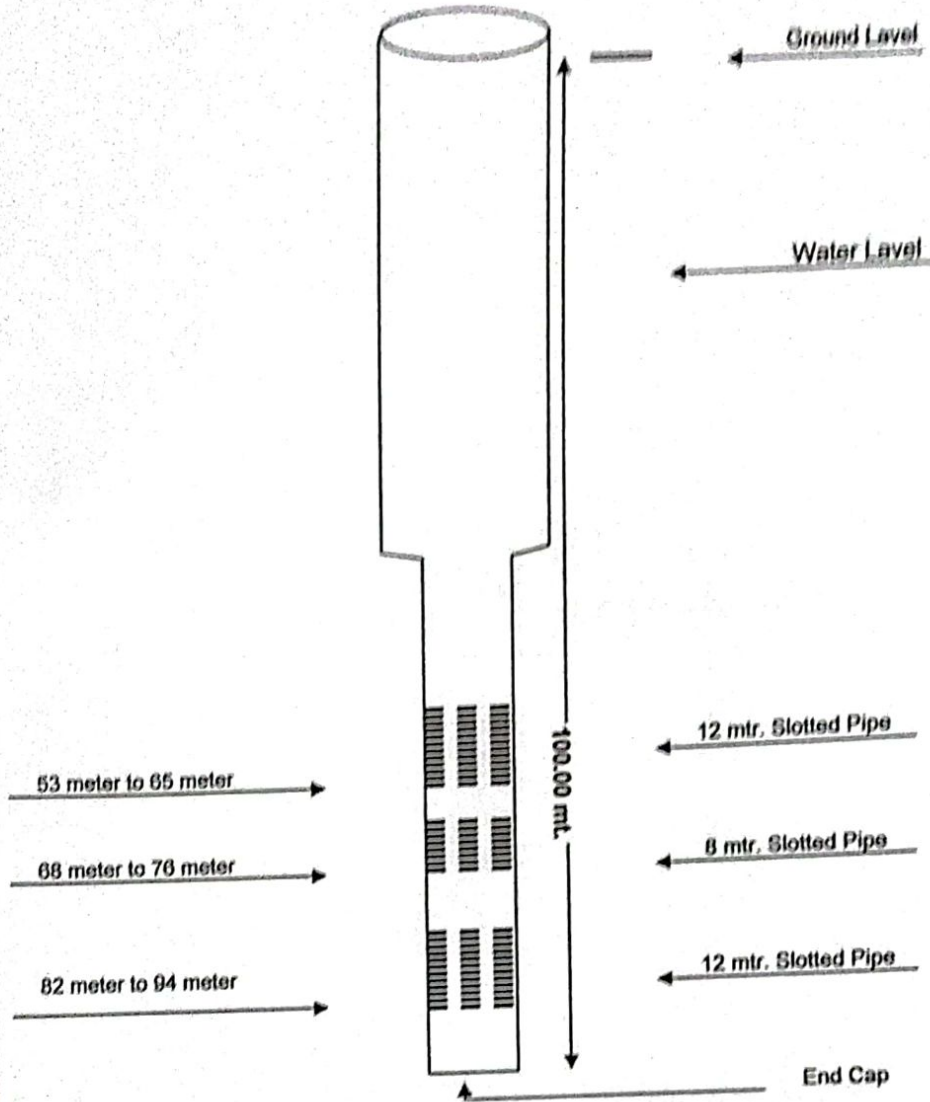
FOR
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Rampur Bhoor, Block - Hasanpur, Distt.- Amroha

ing dia - 200X150mm.
e of Boring - Stainer
th of Loring - 100 Mtr.
er Level - 16 Mtr.



RECOMMENDED CHART

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