

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 97

Date:- 31-10-2021

### NAME OF SITE

GRAM PANCHAYAT- Pandaka BLOCK- Hasanpur DISTT- Amroha

### NAME OF AGENCY

M/s PNC-SPML-JV  
Moradabad  
22, CAMAC STREET, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



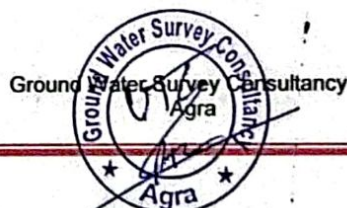
## GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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**ISO ; 9001 : 2015**



**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- PANDAKA, 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 31.Oct.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 - 21         | 16           | Dry sand                   |                        |
| 3.    | 21 - 26        | 5            | Clay kankar                |                        |
| 4.    | 26 - 44*       | 18           | Medium sand                | Good                   |
| 5.    | 44 - 50        | 6            | Clay kankar                |                        |
| 6.    | 50 - 60*       | 10           | Fine to Medium sand        | Good                   |
| 7.    | 60 - 65        | 5            | Clay kankar                |                        |
| 8.    | 65 - 90*       | 25           | Fine to Med. sand & Kankar | Good                   |
| 9.    | 90 - 95        | 5            | Clay                       |                        |
| 10.   | 95 - 120*      | 25           | Medium sand                | Good                   |



**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 1200 to 1300 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.



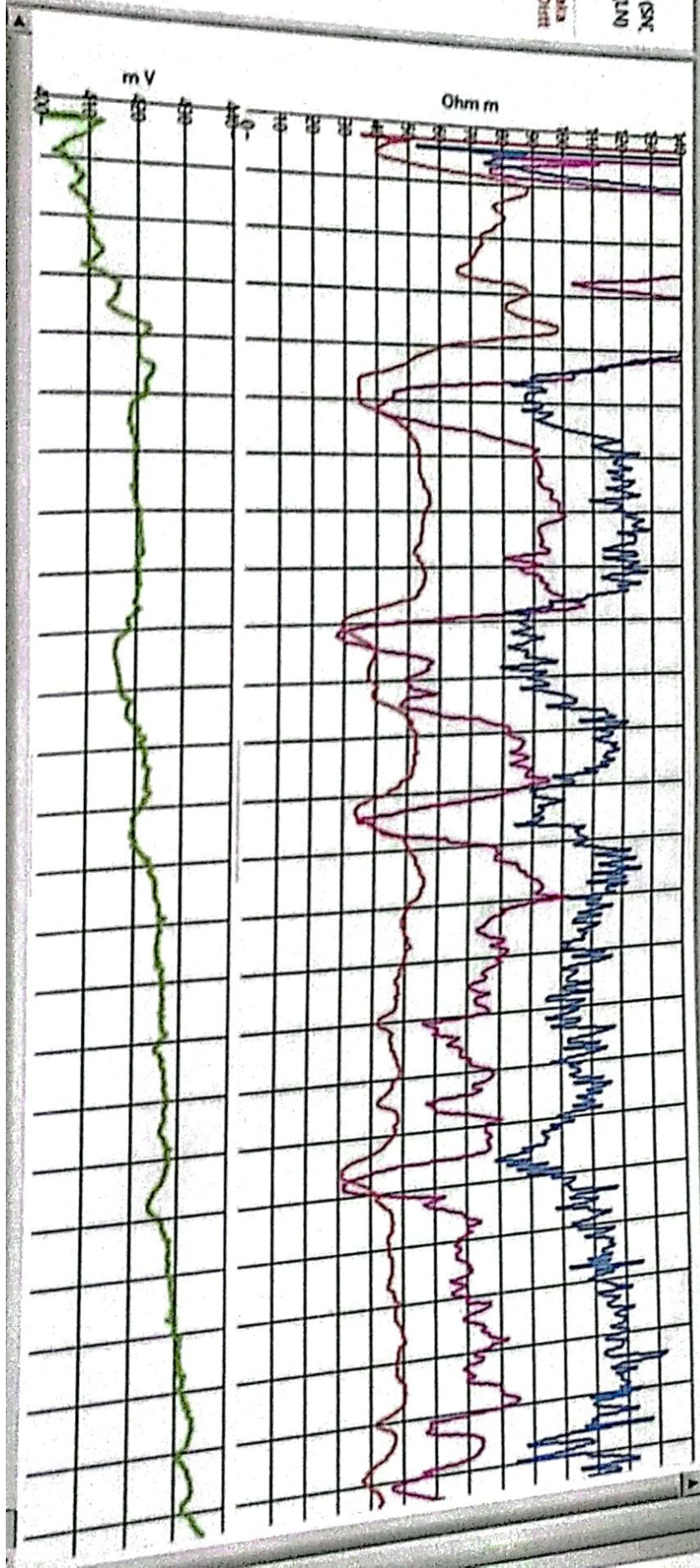
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Rho s  
N15 (SN)  
NS-QLN  
LAT

Logging of Pandaka  
Block Hassanpur Distt  
Amroha  
LOGGING/SP  
31 Oct 2021  
07:29  
Kishish Sharma

SP (m V)



# ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR  
**M/s PNC-SPML-JV, Moradabad**

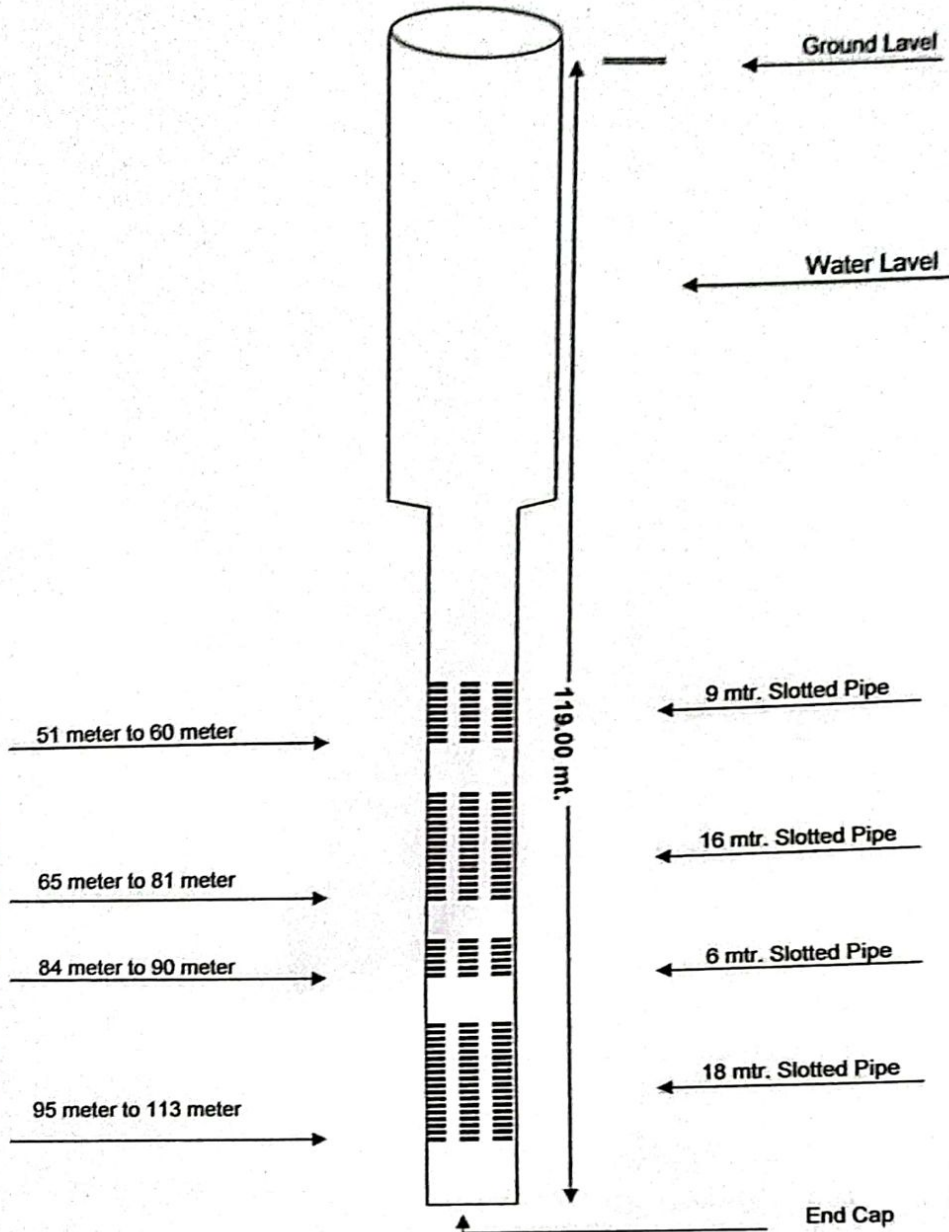
22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016

AT SITE

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

Boring dia -  
Diameter of Boring -  
Depth of Boring -  
Water Level -

200X150mm.  
Stainer  
119 Mtr.  
21 Mtr.



## RECOMMENDED CHART

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