

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 136

Date:- 26-11-2021

**NAME OF SITE**

**VILLAGE- Aaghpur**

**BLOCK- Milak**

**DISTT- Rampur**

**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**

**(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com**

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

UT  
Agra  
CPT

Geophysicist

# REPORT ON GEOPHYSICAL WELL LOGGING AT

VILLAGE- AAGHPUR, BLOCK- MILAK, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 108 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Manager. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 26.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 - 25	20	Clay	
3.	25 - 45	20	Fine sand	Med. to Good
4.	45 - 50	5	Clay kankar	
5.	50 - 85*	35	Fine to Medium sand	Med. to Good
6.	85 - 90	5	Clay kankar	
7.	90 - 108*	18	Medium sand	Med. to Good

Ground Water Survey Consultancy  
Ground Water Survey Consultancy  
Agra

Geophysicist

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 700 to 900 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

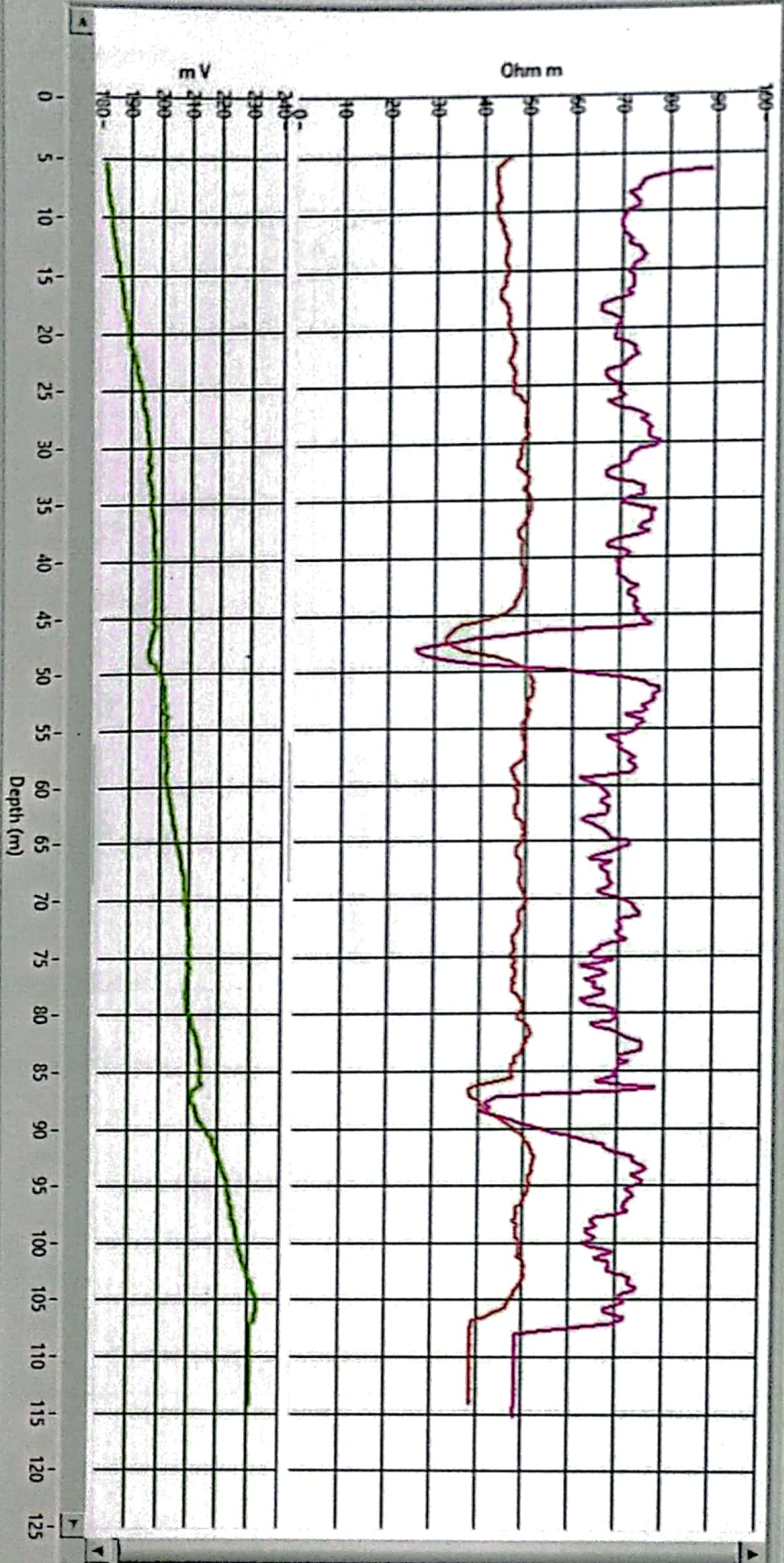
*VTS  
an*

Geophysicist

**Ground Water Survey Consultancy**

Rho  $\rho$   
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging at aaghapur  
 block mistal dist  
 rampur  
 LOGGICUP  
 26 Nov 2021  
 09:45  
 utkarsh gupla

SP (mV)



Ground Water Survey Consultancy

Utkarsh  
 Geophysicist

**ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART**

FOR

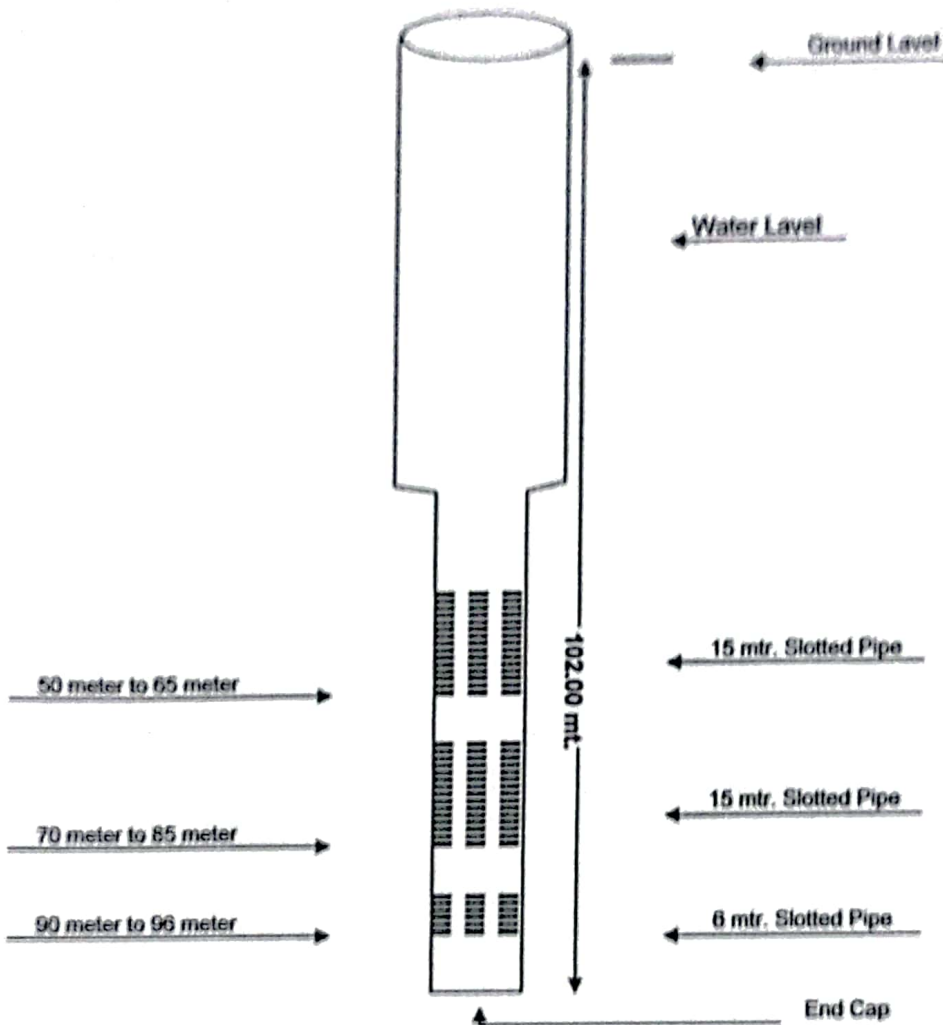
**M/s PNC-SPML-JV, Moradabad**

22, CANAL STREET, BLOCK N.A., 3RD FLOOR, KODI BATA-108019

AT SITE

Village - Aagpur, Block - Mirak, Distt. - Rampur

Boring dia - 200X150mm.  
Type of Boring - Stainer  
Depth of Boring - 102 Mtr.  
Water Level - 9 Mtr.



**RECOMMENDED CHART**

Ground Water Survey Consultancy  
Ground Water Agency Consultancy

*UTS*  
*ATC*  
Geophysicist