

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 171

Date:- 01-05-2022

### NAME OF SITE

GRAM PANCHAYAT- Lodipur      BLOCK- Banjara      DISTT- Amroha

### NAME OF AGENCY

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



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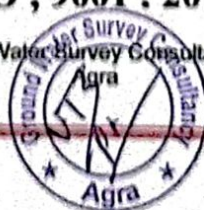
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations,

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

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

**ISO ; 9001 ; 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LODIPUR, BLOCK- BANJARA, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

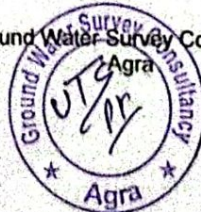
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 119 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 01.May.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 - 19	14	Clay kankar	
3.	19 - 48	29	Medium sand	Good
4.	48 - 60	12	Sandy clay	
5.	60 - 66*	6	Fine to Medium sand	Good
6.	66 - 72	6	Clay kankar	
7.	72 - 90*	18	Medium sand	Good
8.	90 - 119	29	Clay kankar	

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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**

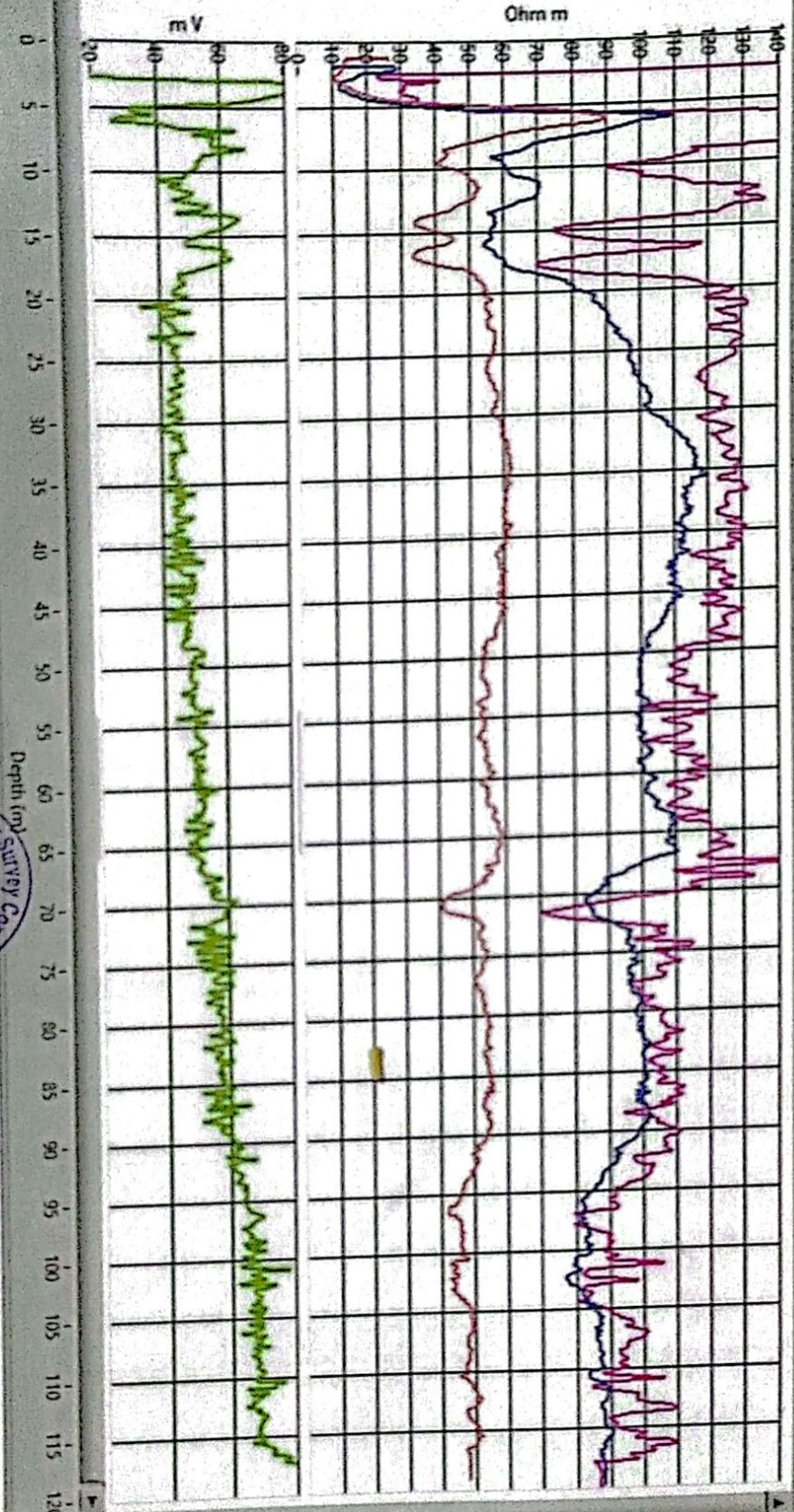


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Logging of Lodipur  
Block Banjara Distt  
Amroha  
LOGGHCUP  
01 May 2022  
10:12  
Uttarsh Gupta (SI)

Rho a  
N16 (SN)  
N64 (LN)  
LAT

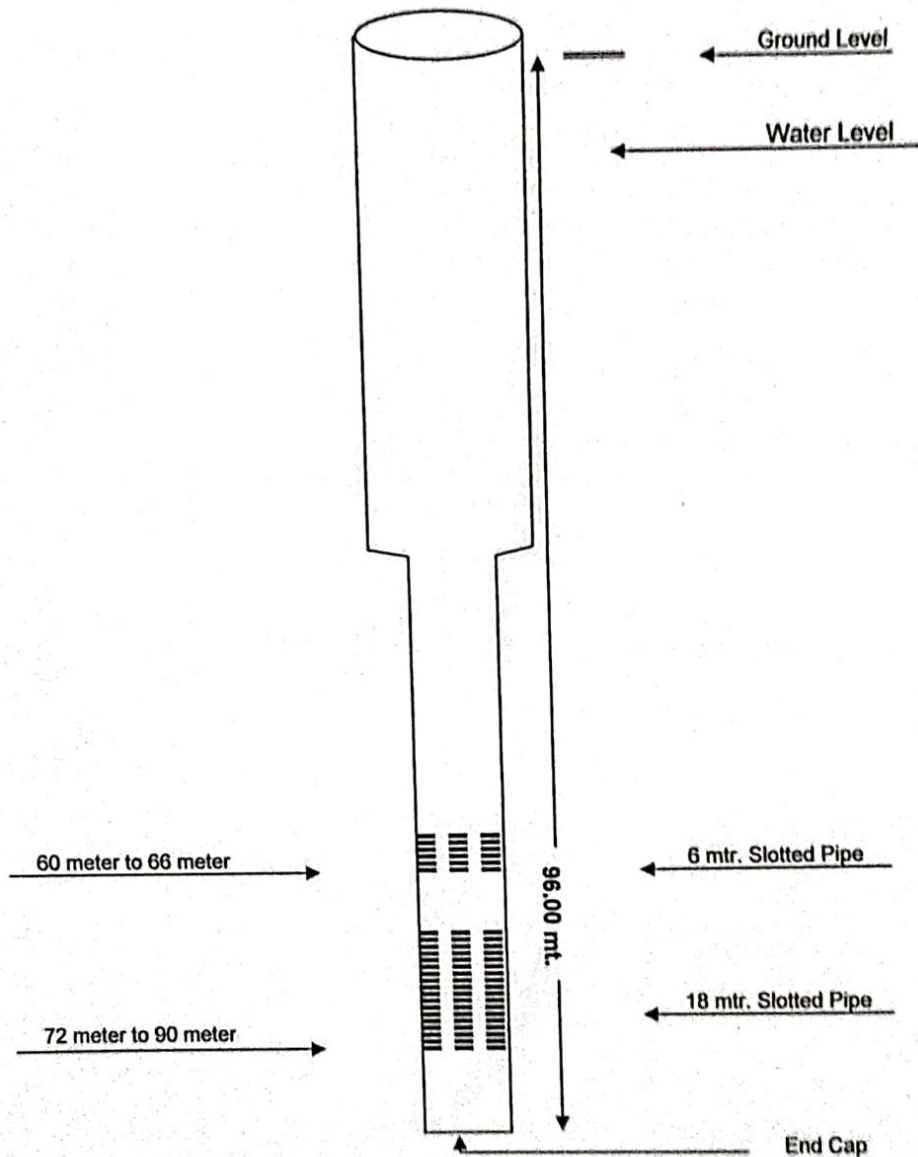
SP (mV)



**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 - Lodipur, Block - Banjara, Distt. - Amroha**

Boring dia - 200X150mm.  
 Stainer of Boring - Stainer  
 Depth of Boring - 96 Mtr.  
 Water Level - 9 Mtr.



**RECOMMENDED CHART**

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