

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 129

Date:- 24-11-2021

NAME OF SITE

VILLAGE- Mau Nagar

BLOCK- Sahabad

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.

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
Ground Water Survey Consultancy
Agra
Geophysicist

REPORT ON GEOPHYSICAL WELL LOGGING AT

VILLAGE- MAU NAGAR, BLOCK- SAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 109 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 Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.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 - 14	9	Medium sand	
3.	14 - 21	7	Clay kankar	
4.	21 - 28	7	Medium sand	Med. to Good
5.	28 - 35	7	Clay kankar	
6.	35 - 53*	18	Medium sand	Med. to Good
7.	53 - 56	3	Clay kankar	
8.	56 - 80*	24	Fine to Med. sand & Kankar	Med. to Good
9.	80 - 85	5	Clay kankar	
10.	85 - 95*	10	Medium sand	Med. to Good
11.	95 - 105	10	Clay kankar	
12.	105 - 108*	3	Fine to 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 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 Medium to Good.
4. Expected discharge is 500 to 600 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

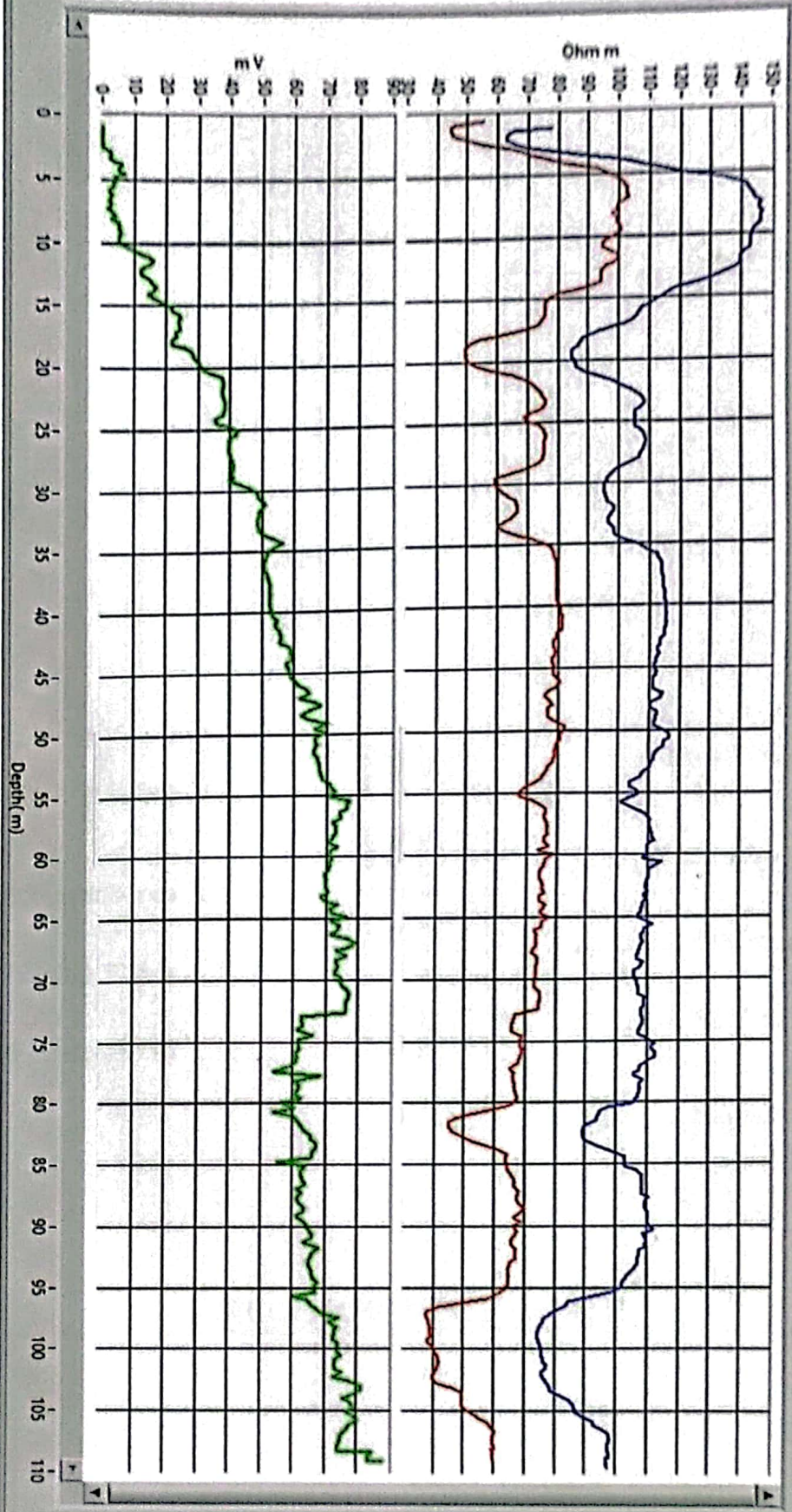
Signature
Geophysicist

Ground Water Survey Consultancy

NISSON
 NISSON
 LAT

1. 200 mV
 2. 100 mV
 3. 50 mV
 4. 25 mV
 5. 12.5 mV
 6. 6.25 mV
 7. 3.125 mV
 8. 1.5625 mV
 9. 0.78125 mV
 10. 0.390625 mV

SP



Ground Water Survey Consultancy

J. P. Singh
 Geophysicist

ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

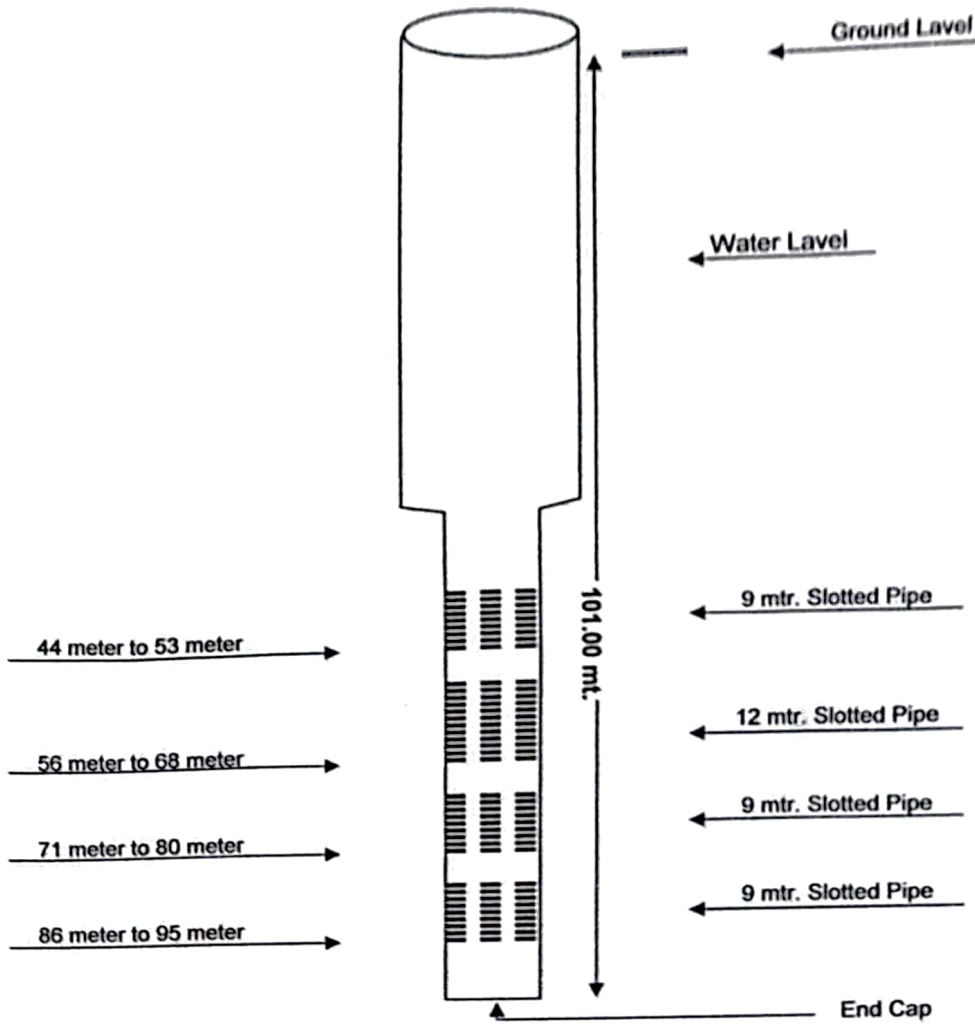
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Village - Mau Nagar, Block - Sahabad, Distt.- Rampur

Boring dia - 200X150mm.
Type of Boring - Stalner
Depth of Loring - 101 Mtr.
Water Level - 15 Mtr.



RECOMMENDED CHART

Ground Water Survey Consultancy
Agra

Ground Water Survey Consultancy

UTS
pr
Geophysicist