

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 253

Date:- 27-12-2021

NAME OF SITE

GRAM PANCHAYAT- Santhalpur BLOCK- Gangeshwari 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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT - SANTHALPUR, BLOCK - GANGESHWAR, DISTT - AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 27 Dec 2021

Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer 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 - 24	19	Dry sand	
3.	24 - 30	6	Clay kankar	
4.	30 - 45	15	Fine to Medium sand	Good
5.	45 - 55	10	Clay kankar	
6.	55 - 95*	40	Fine to Medium sand	Good
7.	95 - 100	5	Clay kankar	
8.	100 - 115*	15	Fine to Medium sand	Good
9.	115 - 125	10	Clay kankar	
10.	125 - 130	5	Fine sand	Good

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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 Medium.
4. Expected discharge is 1200 to 1400 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.

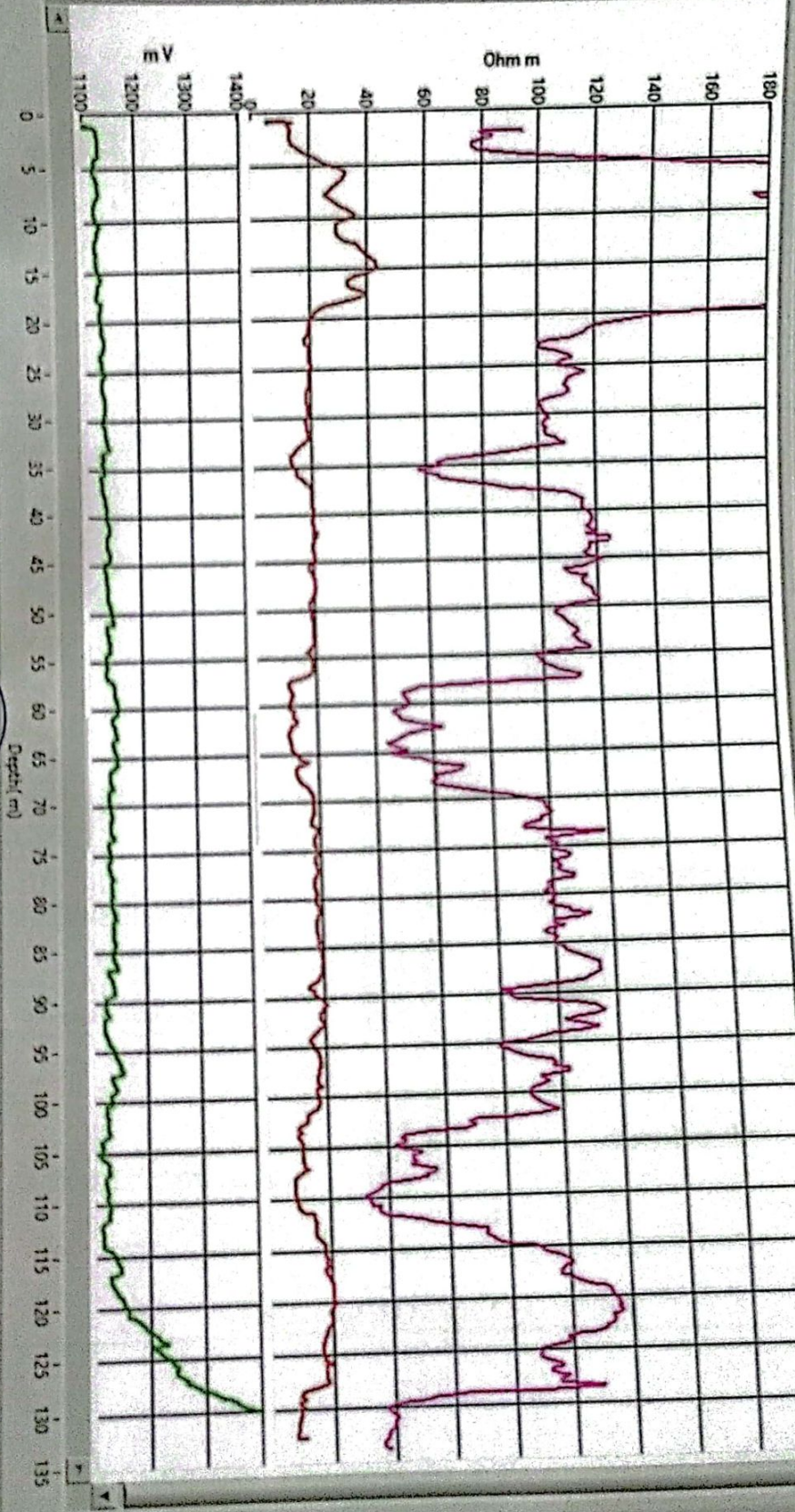


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Rho a
N 16(S)N
N 64 (LN)
LAT

Location :
logging w/
pawansa bloc/
pawansa dit
sambhal
Log No. :
LOGGIRICUP
Date :
27 Dec 2021
Time :
13:05
Observer :
uttarsh gupta(w)
Well Depth :

SP



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

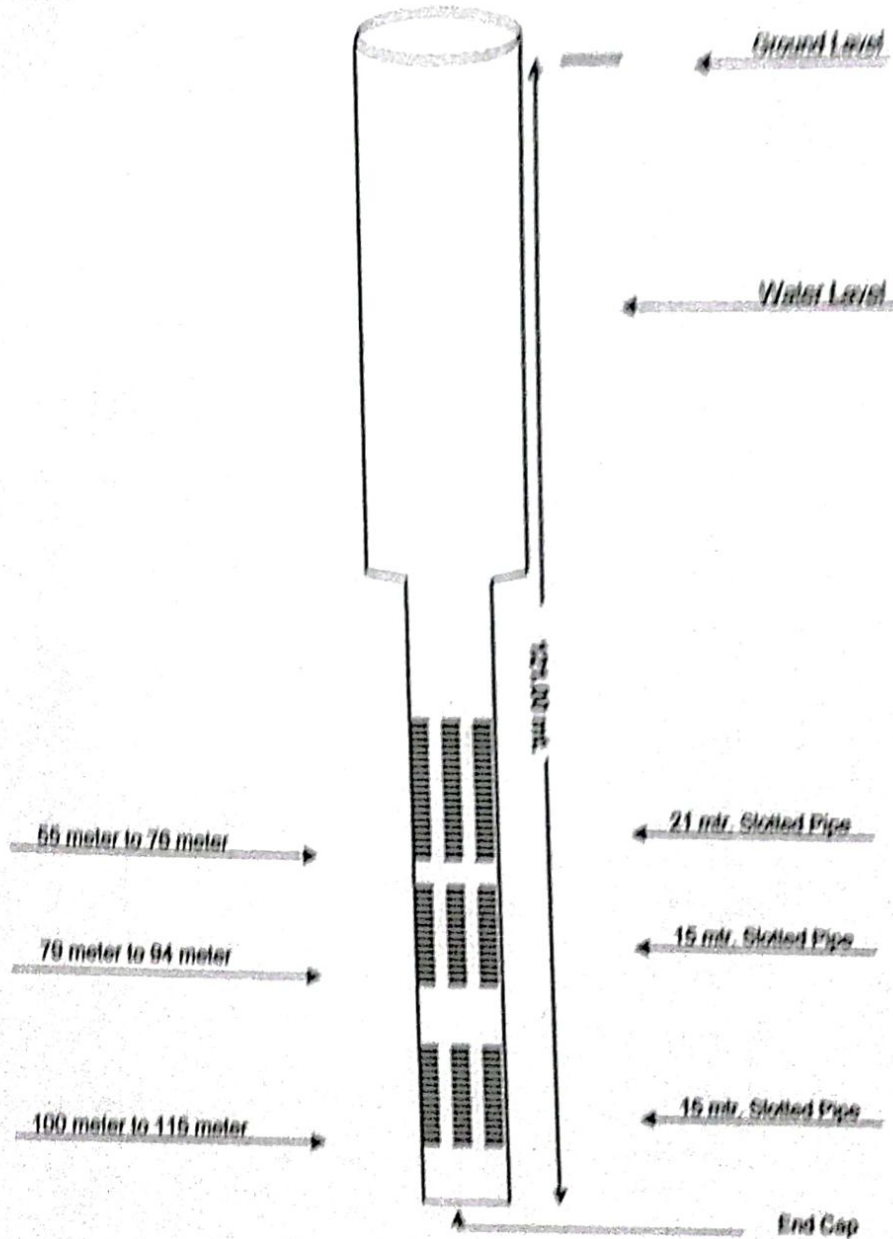
M/s PNC-SPML-JV, Moradabad

22, PAMAI BIKHAI, BHAH N. A, 3RD FLOOR, BHUWANA-200016

AT SITE

Gram Panchayat - Santhalpur, Block - Gangeshwari, Distt. - Amroha

Boring dia : 300x200 Mtr.
Type of Boring : Stainer
Depth of Boring : 121 Mtr.
Water Level : 24 Mtr.



RECOMMENDED CHART

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