

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 195

Date:- 16-12-2021

NAME OF SITE

GRAM PANCHAYAT- Dilpura

BLOCK- Said Nagar

DISTT- Rampur

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- DILPURA, BLOCK- SAID NAGAR, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 16.Dec.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 - 12	7	Fine sand	
3.	12 - 25	13	Sandy clay	
4.	25 - 40	15	Fine to Medium sand	Good
5.	40 - 45	5	Clay kankar	
6.	45 - 60*	15	Medium sand	Good
7.	60 - 65	5	Clay kankar	
8.	65 - 85*	20	Fine to Medium sand	Good
9.	85 - 92	7	Sandy clay	
10.	92 - 105	13	Fine sand	Good
11.	105 - 110	5	Sandy clay	

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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 900 to 1000 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.

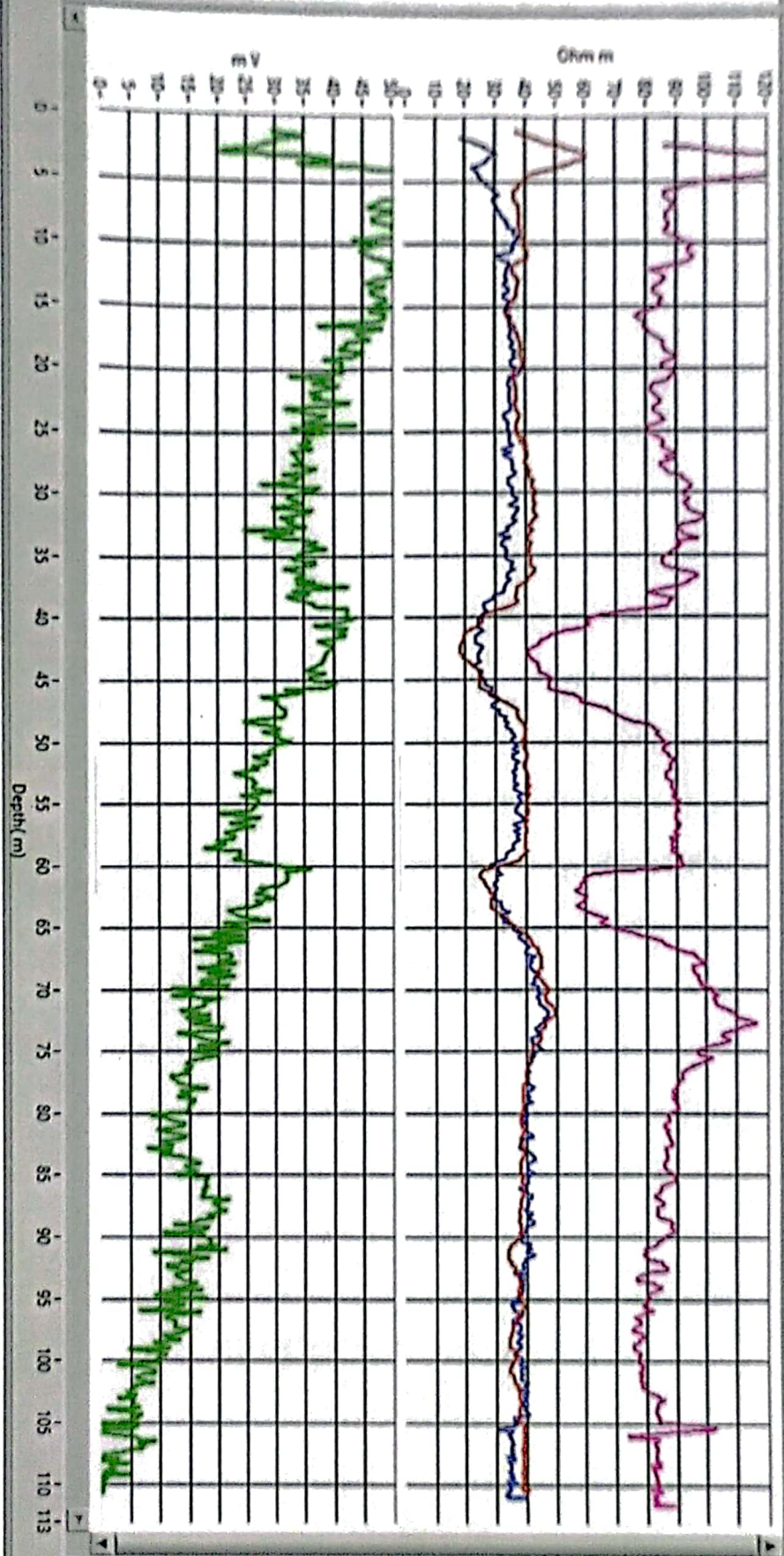
Geophysicist



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Ministry of Water Resources
 Government of India
 Central Ground Water Board
 New Delhi



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR

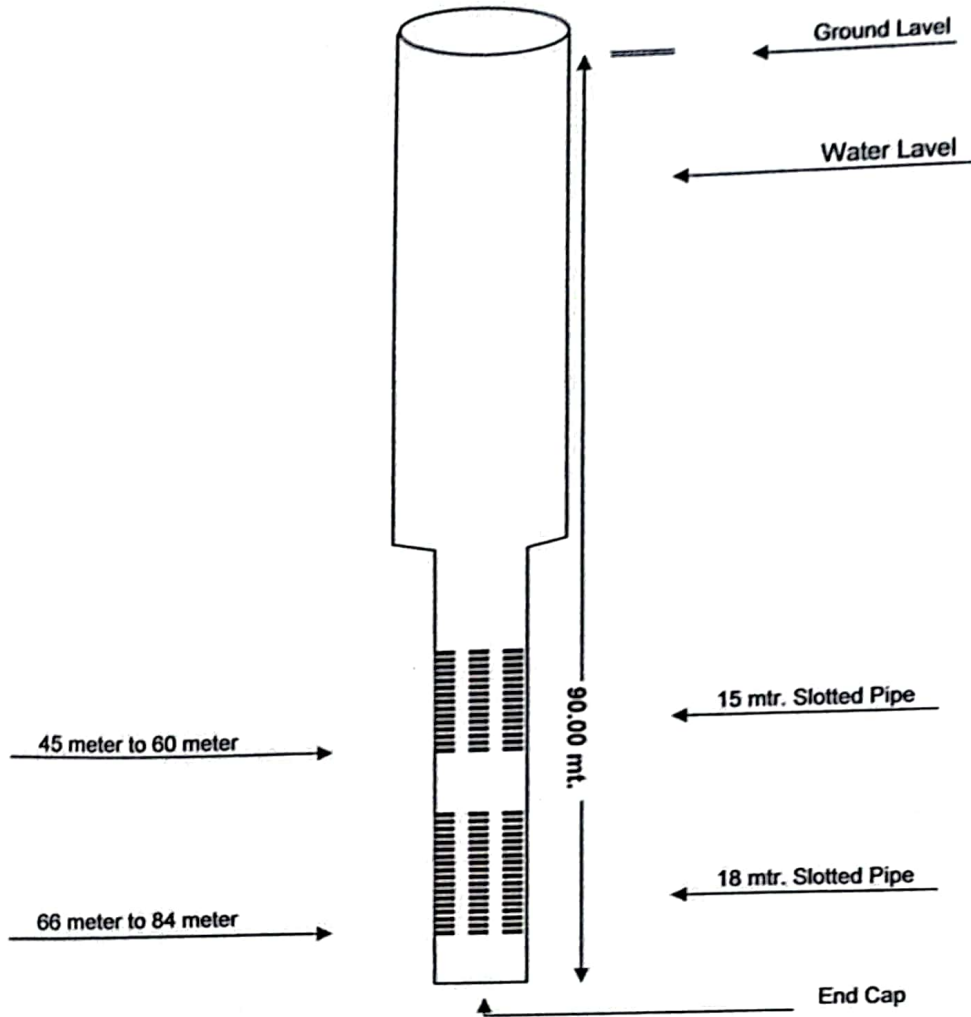
M/s PNC-SPML-JV, Moradabad

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AT SITE

Gram Panchayat - Dilpura, Block - Said Nagar, Distt.- Rampur

Boring dia - 300X150mm.
Type of Boring - Stainer
Depth of Loring - 90 Mtr.
Water Level - 6 Mtr.



RECOMMENDED CHART

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