

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 233

Date:- 23-12-2021

NAME OF SITE

GRAM PANCHAYAT- Bhowra 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- BHOWRA, BLOCK- GANGESHWARI, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 125 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 23.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 Clay	
2.	5 - 12	7	Sandy clay	
3.	12 - 20	8	Clay kankar	
4.	20 - 30	10	Medium sand	Good
5.	30 - 50	20	Clay kankar	
6.	50 - 76*	26	Fine to Medium sand	Good
7.	76 - 82	6	Clay kankar	
8.	82 - 90*	8	Fine to Medium sand	Good
9.	90 - 100	10	Sandy clay	
10.	100 - 110*	10	Fine to Medium sand	Medium
11.	110 - 120*	10	Medium sand	Good
12.	120 - 125	5	Kankar	



Conclusions and Recommendations :-

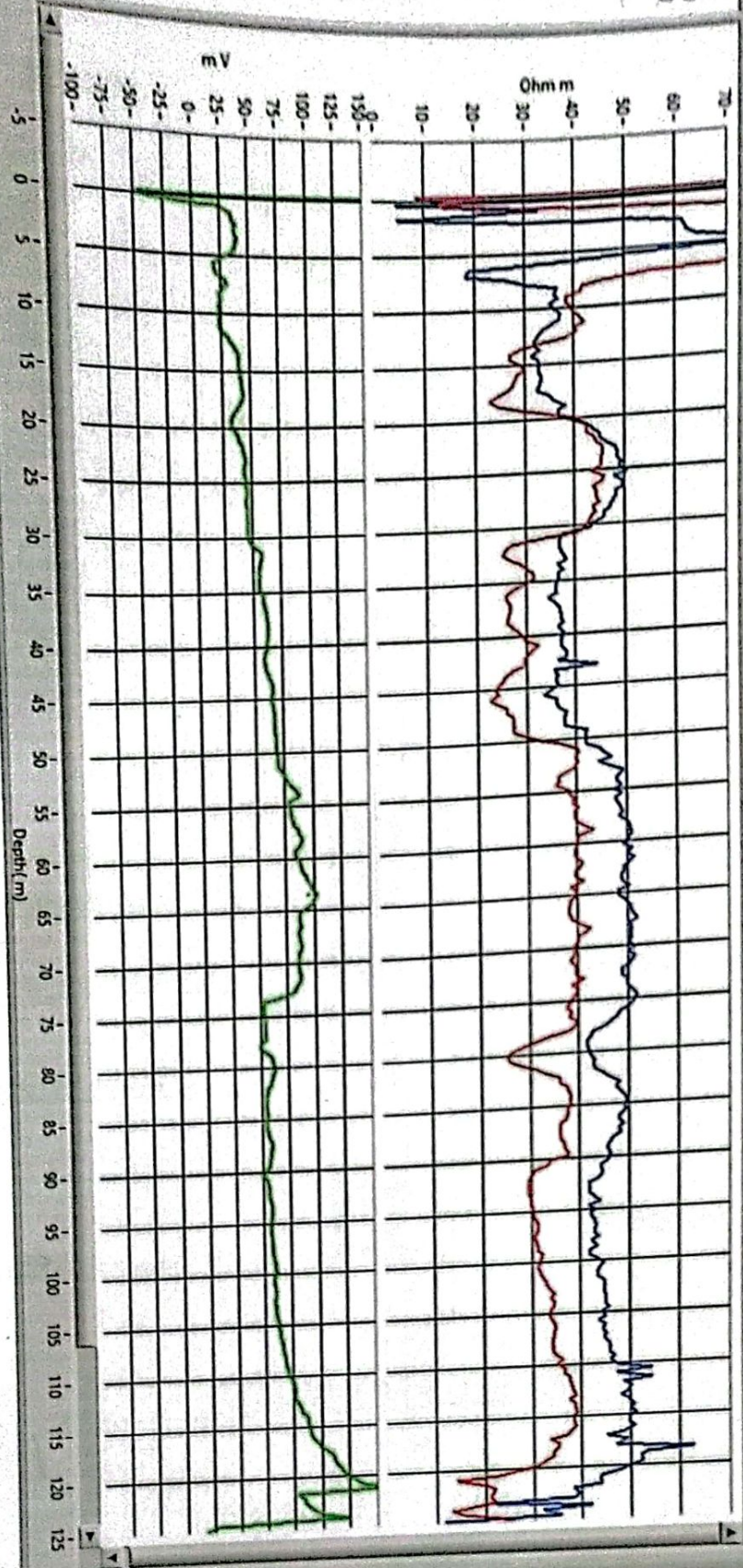
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 1200 to 1400 L.P.M.
5. It is recommended to have a chemical 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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Exp. 2
N 153.0
N 64.0
LAT

Station
Date
Time
Operator
Observer
Weather
Remarks



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

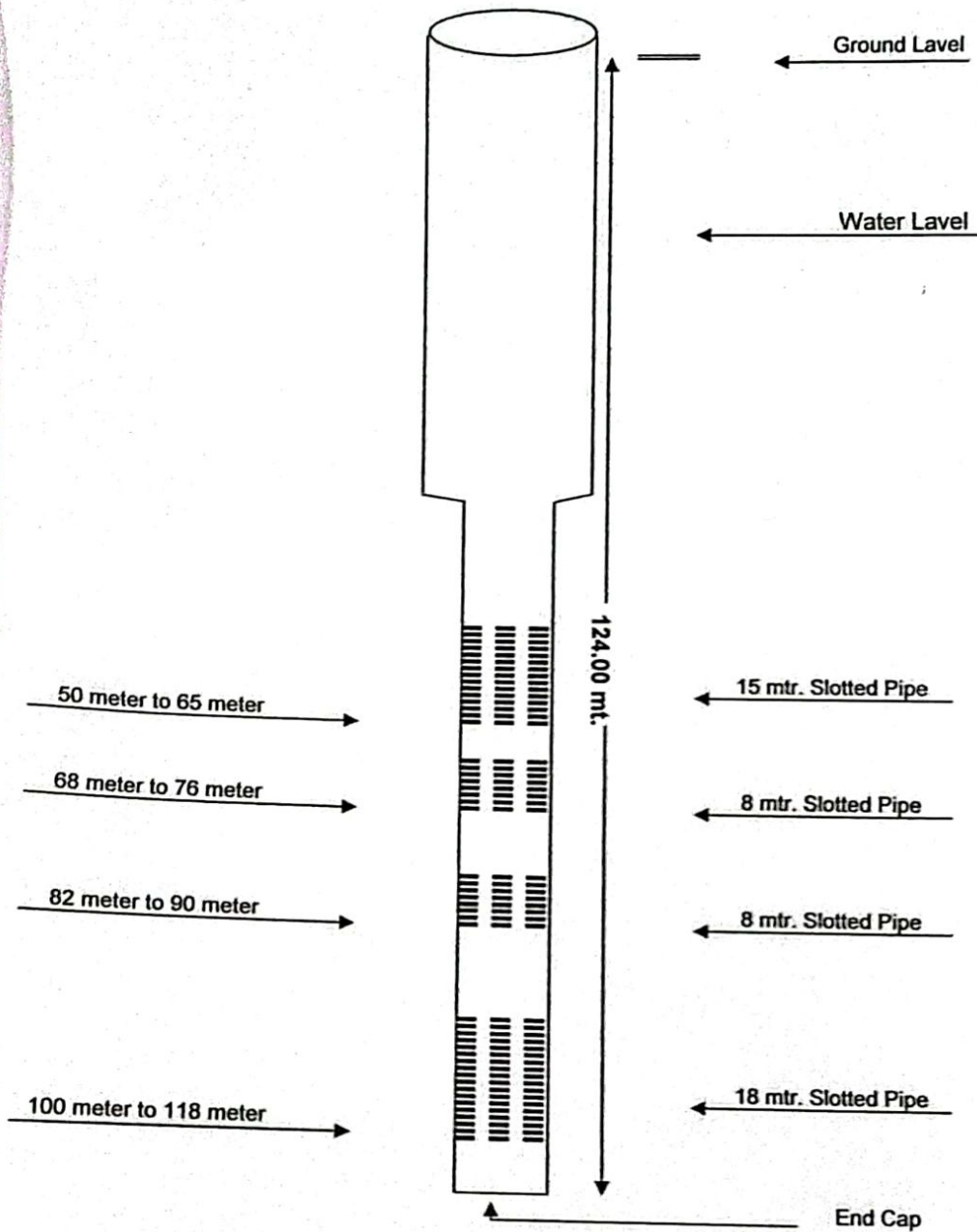
M/s PNC-SPML-JV, Moradabad

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AT SITE

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

Boring dia - 200x150 Mtr.
Type of Boring - Stainer
Depth of Boring - 124 Mtr.
Water Level - 18 Mtr.



RECOMMENDED CHART

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