

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 78

Date:- 13-04-2022

NAME OF SITE

GRAM PANCHAYAT- Kalali

BLOCK- Dhanora

DISTT- Amroha

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.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KALALI, BLOCK- DHANORA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 13.04.2022.

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 - 12	7	Clay kankar	
3.	12 - 22	10	Fine sand	
4.	22 - 28	6	Clay kankar	
5.	28 - 49	21	Medium sand	Med. to Good
6.	49 - 54	5	Clay kankar	
7.	54 - 65*	11	Medium sand	Med. to Good
8.	65 - 70	5	Clay kankar	
9.	70 - 87*	17	Medium sand	Med. to Good
10.	87 - 90	3	Kankar	
11.	90 - 98*	8	Fine to Medium sand	Med. to Good
12.	98 - 100	2	Clay kankar	
13.	100 - 110	10	Fine sand	Medium
14.	110 - 120	10	Clay kankar	



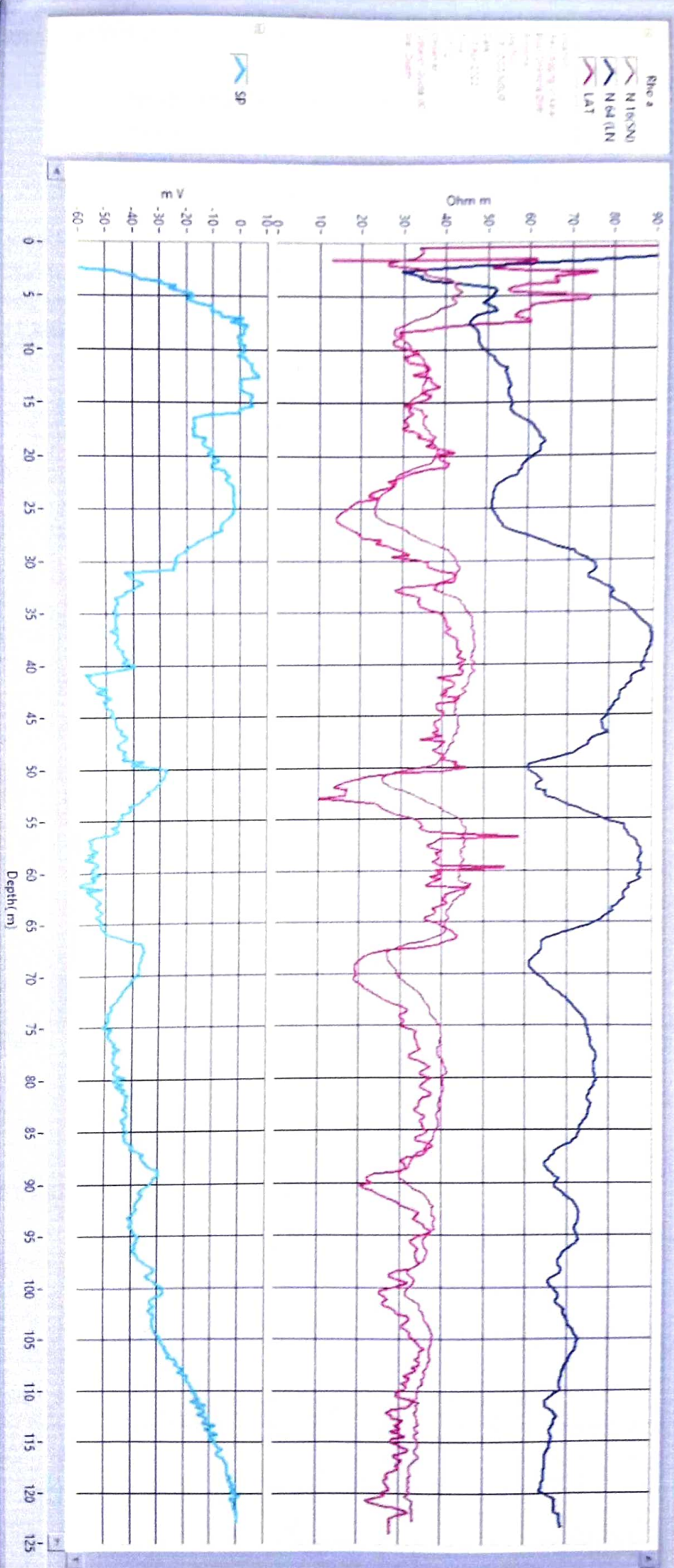
Conclusions and Recommendations :-

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 Medium to Good.
4. Expected discharge is 600 to 800 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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WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR

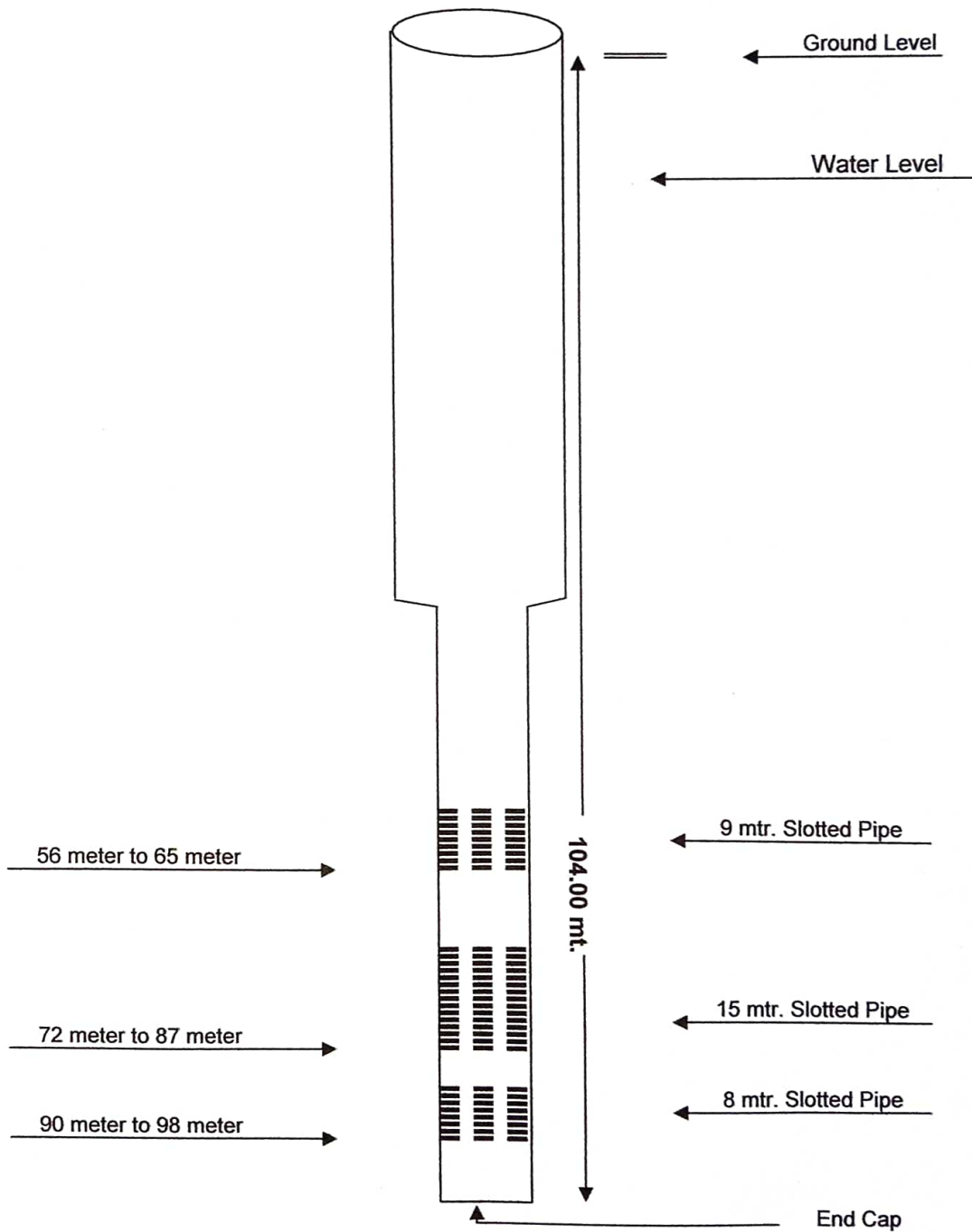
M/s PNC-SPML-JV, Moradabad

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AT SITE

Gram Panchayat - Kalali, Block - Dhanora, Distt.- Amroha

Boring dia - **200X150mm.**
Type of Boring - **Stainer**
Depth of Loring - **104 Mtr.**
Water Level - **12 Mtr.**



RECOMMENDED CHART

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