

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 549

Date:- 22-07-2022

NAME OF SITE

GRAM PANCHAYAT- Meerapur BLOCK- Shahbad 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- MEERAPUR, BLOCK- SHAHBAD
DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

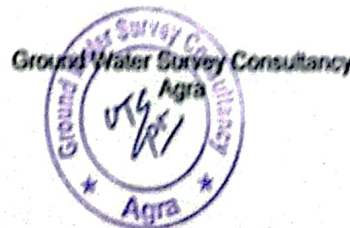
Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 116 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 22.July.2022.

Logging Para meters - 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 - 16	11	Dry sand & Kankar	
3.	16 - 24	8	Clay kankar	
4.	24 - 30	6	Fine sand	Good
5.	30 - 35	5	Sandy clay	
6.	35 - 43	8	Medium sand	Good
7.	43 - 47	4	Clay kankar	
8.	47 - 57*	10	Medium sand	Good
9.	57 - 62	5	Clay kankar	
10.	62 - 80*	18	Medium sand	Good
11.	80 - 85	5	Clay kankar	
12.	85 - 99*	14	Medium sand	Good
13.	99 - 104	5	Clay kankar	
14.	104 - 110*	6	Fine to Medium sand	Good
15.	110 - 116	6	Clay kankar	

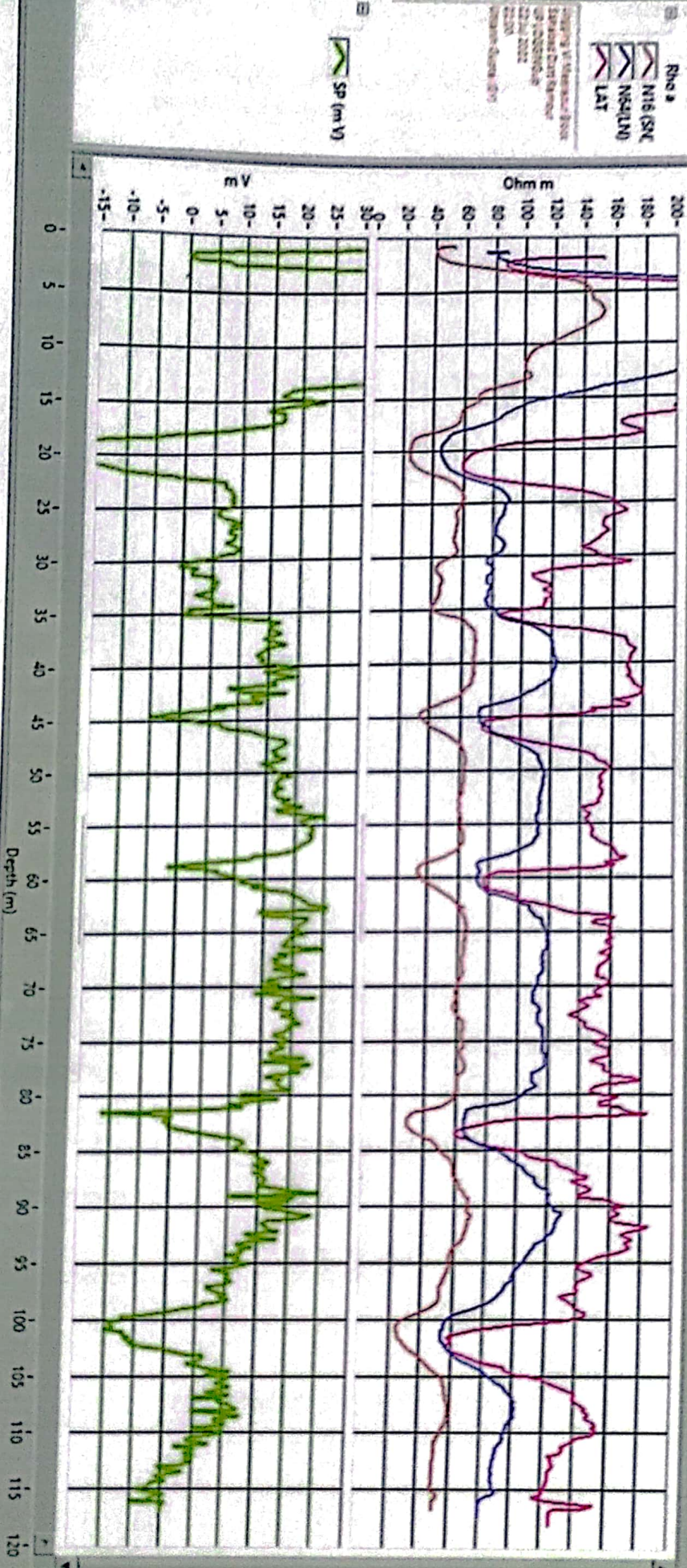


Conclusions and Recommendations :-

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 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.

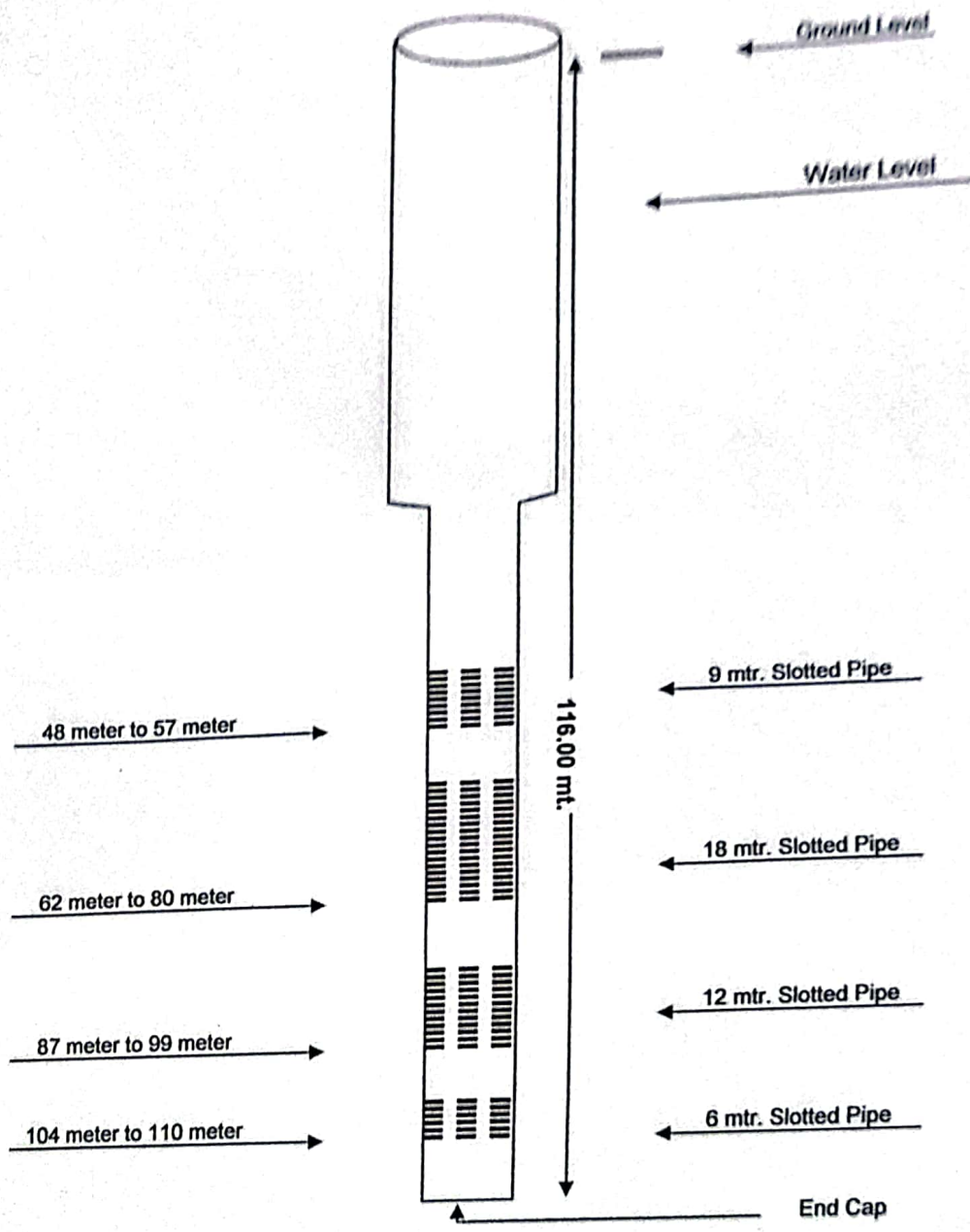


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ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR
M/s PNC-SPML-JV, Moradabad
 22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016
AT SITE
 Gram Panchayat - Meerapur, Block - Shahbad, Distt.- Rampur

Boring dia - 200X150mm.
 Type of Boring - Stainer
 Depth of Loring - 116 Mtr.
 Water Level - 16 Mtr.



RECOMMENDED CHART

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