

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 93

Date:- 28-10-2021

NAME OF SITE

VILLAGE- Nabiganj Jadid BLOCK- Shahabad 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

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

VILLAGE- NABIGANJ JADID, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

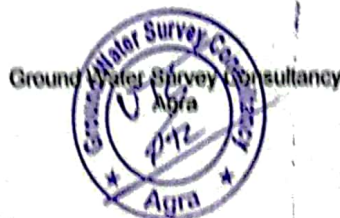
Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 106 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 28.Oct.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 - 15	10	Fine sand	
3.	15 - 20	5	Sandy clay	
4.	20 - 25	5	Fine to Medium sand	Good
5.	25 - 26	1	Sandy clay	
6.	26 - 31*	5	Fine to Medium sand	Good
7.	31 - 33	2	Clay	
8.	33 - 46*	13	Medium sand	Good
9.	46 - 48	2	Sandy clay	
10.	48 - 54*	6	Fine to Medium sand	Good
11.	54 - 56	2	Sandy clay	
12.	56 - 80*	24	Fine to Medium sand	Good
13.	80 - 85	5	Sandy clay	
14.	85 - 93*	8	Medium sand	Good
15.	93 - 101	8	Clay kankar	
16.	101 - 106	5	Fine sand	Good



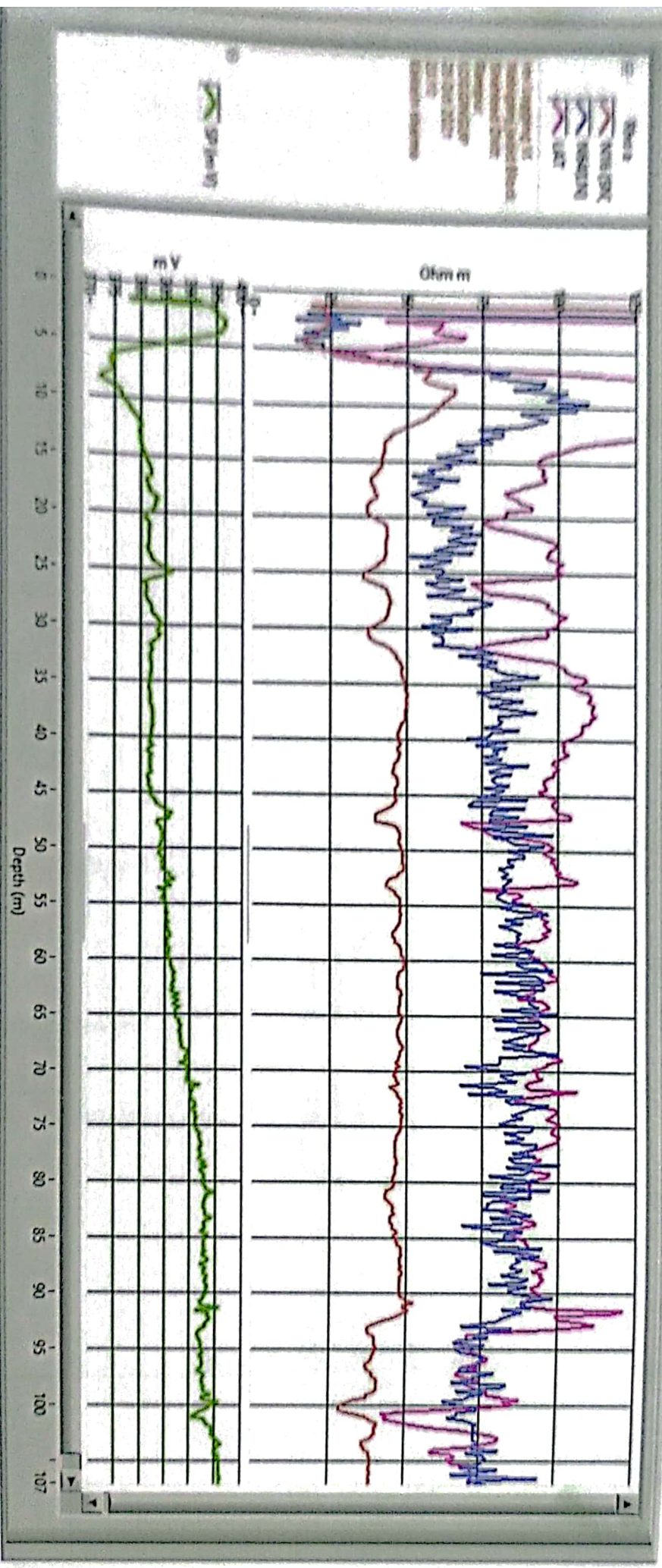
Conclusions and Recommendations :-

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 1300 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



Ground Water Survey Consultancy



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR

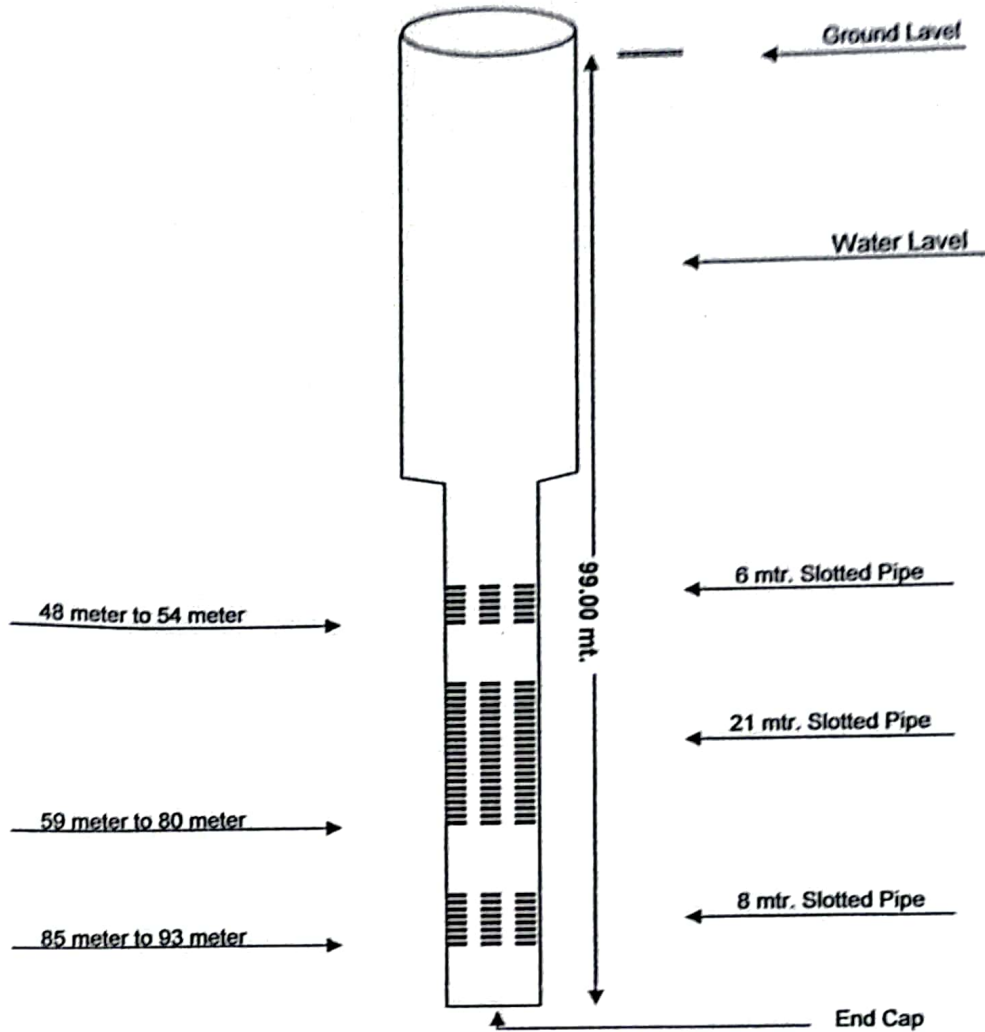
M/s PNC-SPML-JV, Moradabad

22, CAMAC STREET, BLOCK-A, 1st FLOOR, KOLKATA-700016

AT SITE

Village - Nabiganj Jadid, Block - Shahabad, Distt.- Rampur

Boring dia - 200x150 Mtr.
Type of Boring - Stalner
Depth of Loring - 99 Mtr.
Water Level - 15 Mtr.



RECOMMENDED CHART

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