

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 162

Date:- 05-12-2021

NAME OF SITE

GRAM PANCHAYAT- Rawani Patti BLOCK- Shahabad

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



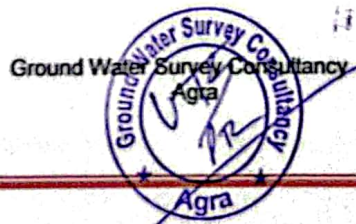
GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAWANI PATTI, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 130 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 05.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 - 10	5	Fine sand	
3.	10 - 12	2	Clay kankar	
4.	12 - 15	3	Very Fine sand	
5.	15 - 22	7	Clay kankar	
6.	22 - 27	5	Medium sand	Med. to Good
7.	27 - 34	7	Clay kankar	
8.	34 - 38*	4	Fine to Medium sand	Med. to Good
9.	38 - 40	2	Clay kankar	
10.	40 - 54*	14	Medium sand	Med. to Good
11.	54 - 58	4	Clay kankar	
12.	58 - 63*	5	Fine to Medium sand	Med. to Good
13.	63 - 65	2	Clay kankar	
14.	65 - 92*	27	Medium sand	Med. to Good
15.	92 - 100	8	Clay kankar	
16.	100 - 109*	9	Fine to Medium sand	Med. to Good
17.	109 - 115	6	Sandy clay	
18.	115 - 130	15	Clay kankar	

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Conclusions and Recommendations

1. The Lithology broadly tallies with that of drill cutting starts 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 1100 to 1200 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.

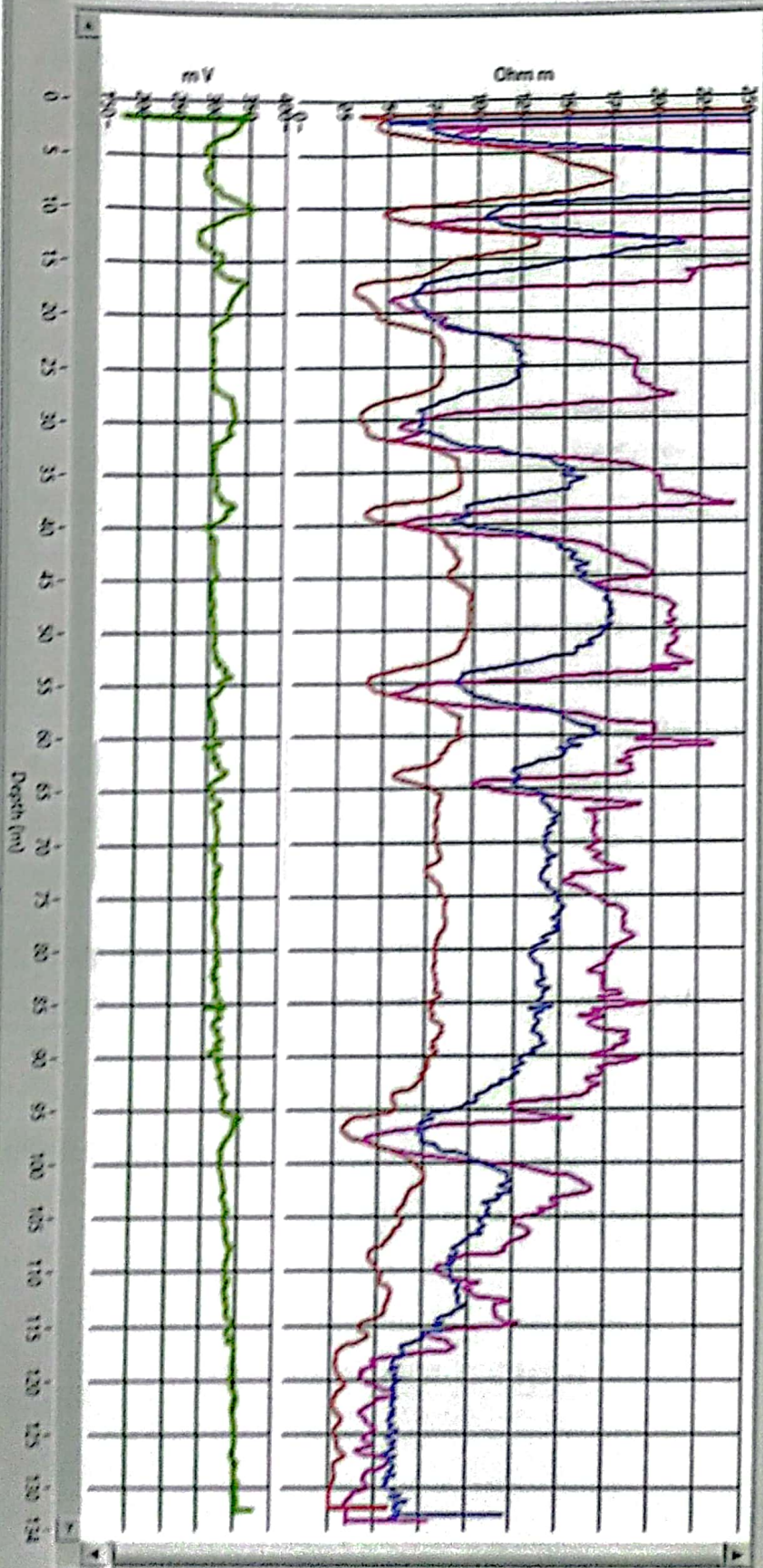


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Rho a
N16 (SN)
N44(QN)
LAT

Logging VI
Ranampatti Block
Shahbad Distt
Rampur
LOGGINGUP
05 Dec 2021
16:37
Kalish Sharma

SP (mV)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

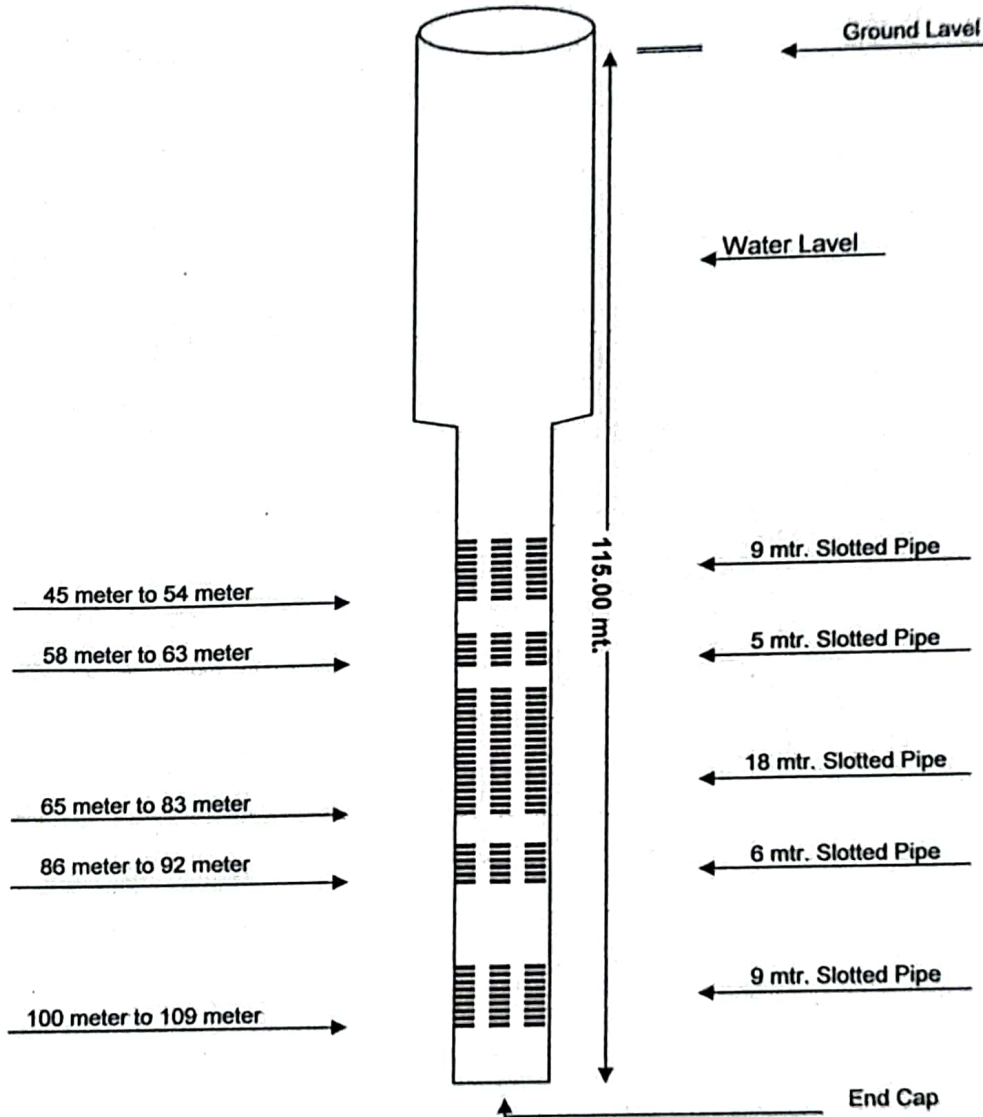
M/s PNC-SPML-JV, Moradabad

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016

AT SITE

Gram Panchayat - Rawani patti, Block - Shahabad, Distt.- Rampur

Boring dia - 300X150mm.
Type of Boring - Stainer
Depth of Loring - 115 Mtr.
Water Level - 18 Mtr.



RECOMMENDED CHART

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