

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 441

Date:- 24-06-2022

NAME OF SITE

GRAM PANCHAYAT- Chak Khardiya Seekarpatti
DISTT- Rampur

BLOCK- Suar

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad
22, CAMAC STREAT, BLOCK-A, 3rd FLOOR, KOLKATA-700016



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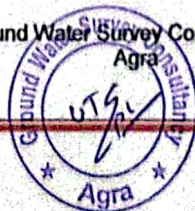
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAK KHARDIYA SEEKARPATTI, BLOCK- SUAR
DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 24.June.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 - 25	20	Clay kankar	
3.	25 - 34	9	Fine to Medium sand	Good
4.	34 - 40	6	Clay kankar	
5.	40 - 45	5	Fine sand	Good
6.	45 - 53	8	Clay kankar	
7.	53 - 60*	7	Medium sand	Good
8.	60 - 63	3	Clay kankar	
9.	63 - 75*	12	Medium sand	Good
10.	75 - 88	13	Clay kankar	
11.	88 - 92*	4	Fine to Medium sand	Good
12.	92 - 95	3	Clay kankar	
13.	95 - 98	3	Fine sand	Good
14.	98 - 105	7	Clay kankar	

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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 600 to 700 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

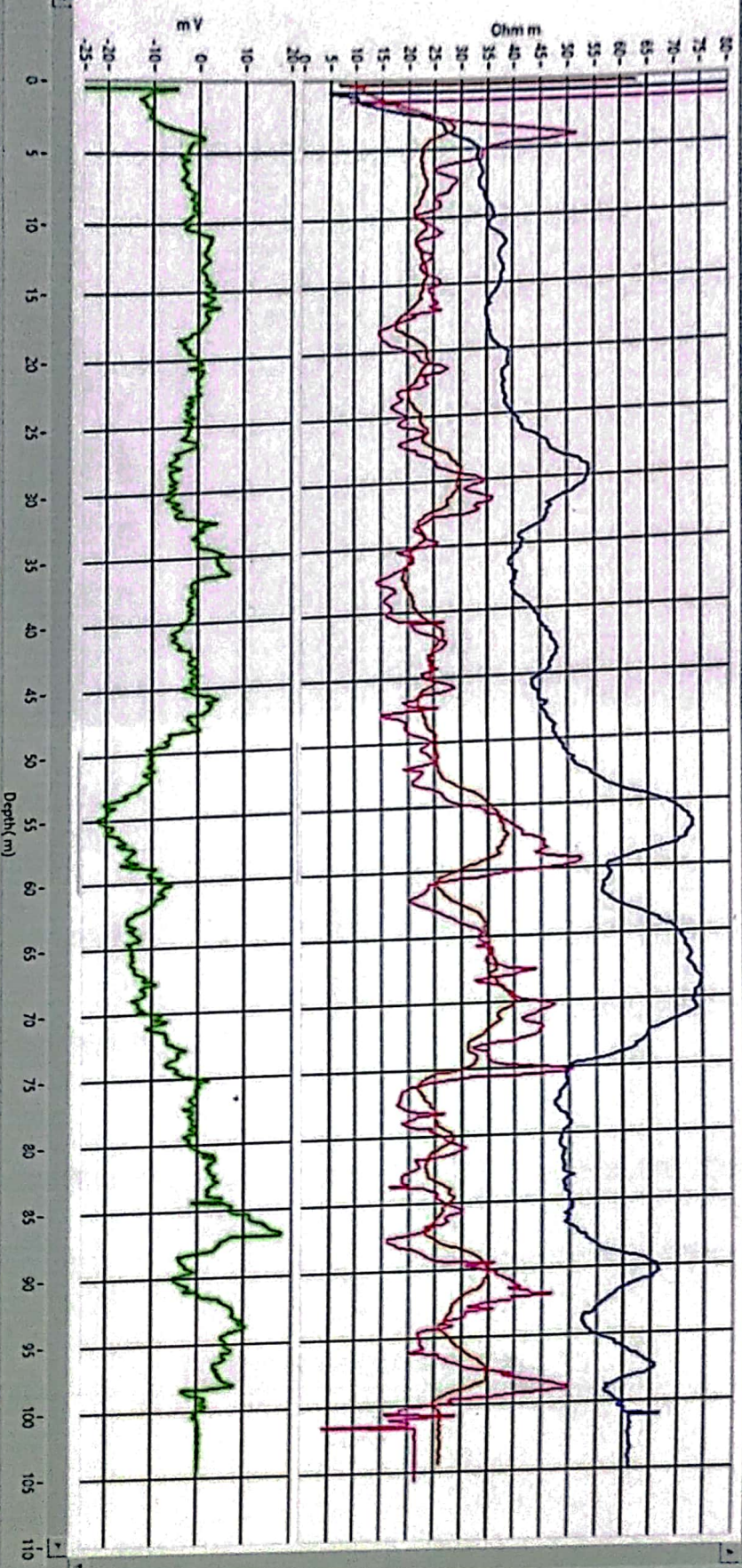


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NISSI
 NISSI
 LAT

Station
 Date
 Time
 Operator
 Instrument
 No. of Observations

SP



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

FOR

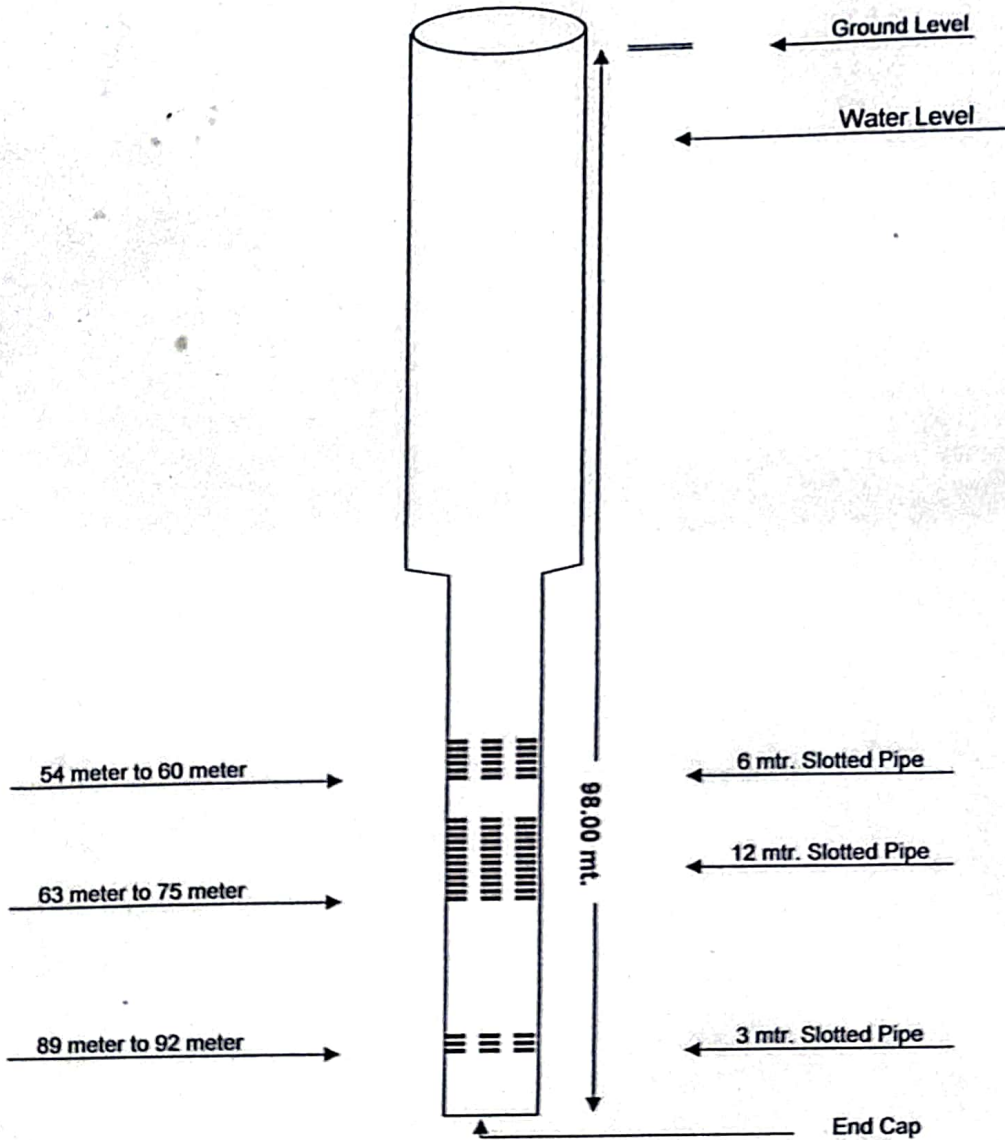
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Chak Khardiya Seekarpatti, Block - Suar, Distt.- Rampur

Boring dia - 300X150mm.
Type of Boring - Stainer
Depth of Loring - 98 Mtr.
Water Level - 9 Mtr.



RECOMMENDED CHART

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