

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 354

Date:- 09-06-2022

NAME OF SITE

GRAM PANCHAYAT- Shapur 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.

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- SHAPUR, BLOCK- SHAHABAD, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 110 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 09.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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Sandy clay	
3.	15 - 32	17	Clay kankar	
4.	32 - 68*	36	Medium sand	Good
5.	68 - 74	6	Clay kankar	
6.	74 - 80*	6	Medium sand	Good
7.	80 - 84	4	Kankar	
8.	84 - 93*	9	Medium sand	Good
9.	93 - 98	5	Clay kankar	
10.	98 - 102	4	Sandy clay	
11.	102 - 107	5	Clay kankar	
12.	107 - 110	3	Medium sand	Good

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Conclusions and Recommendations :-

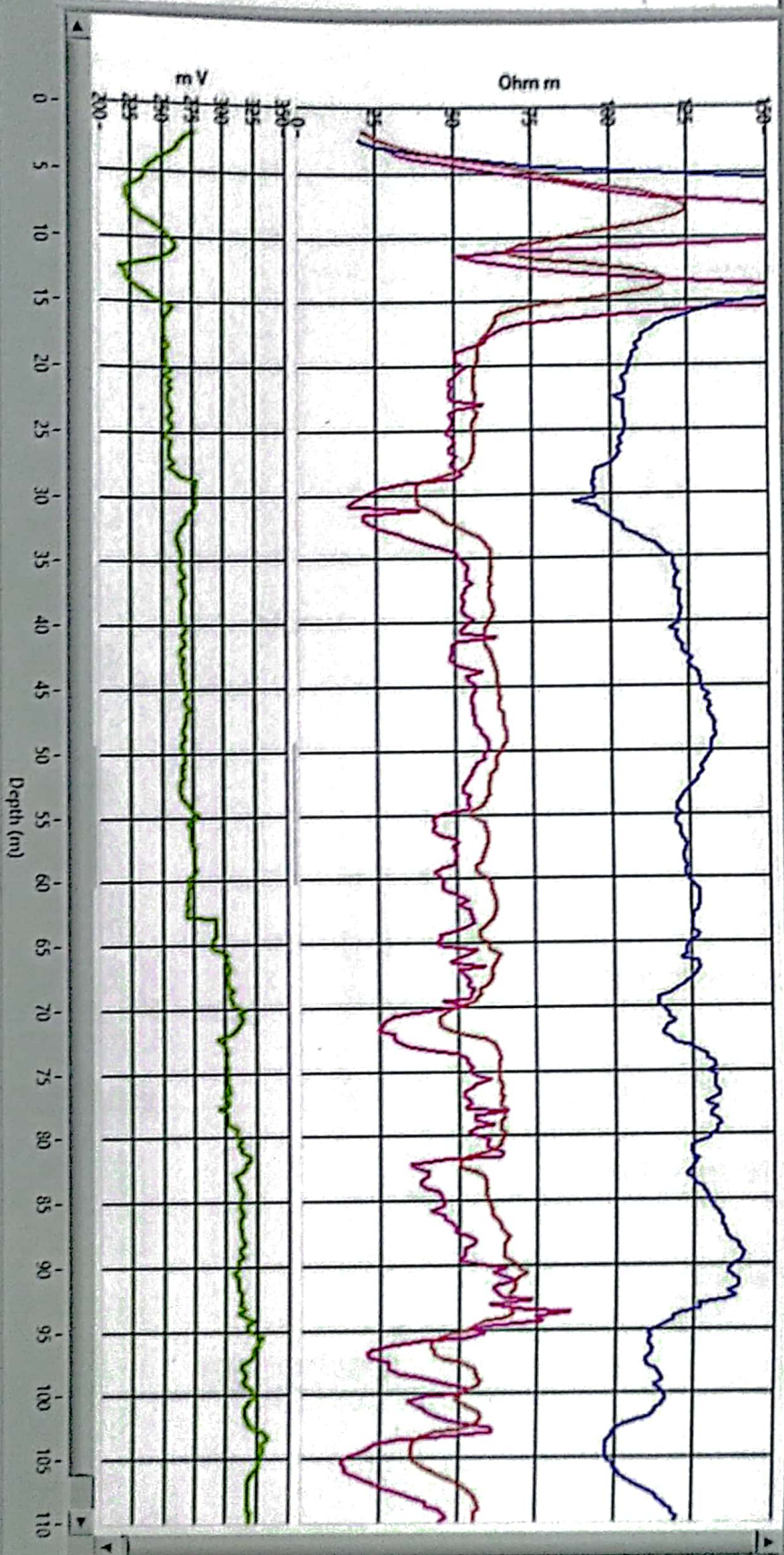
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 800 to 900 L.P.M.
5. It is recommended to have a chemical 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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Rho_a
 N16 (SN)
 NS4(LN)
 LAT
 Logging V1, Shapur
 Der Block, Shahabad
 Distt Rampur
 KOGSINGUP
 09 Jun 2022
 20.24
 Utkarsh Gupta (PQ)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

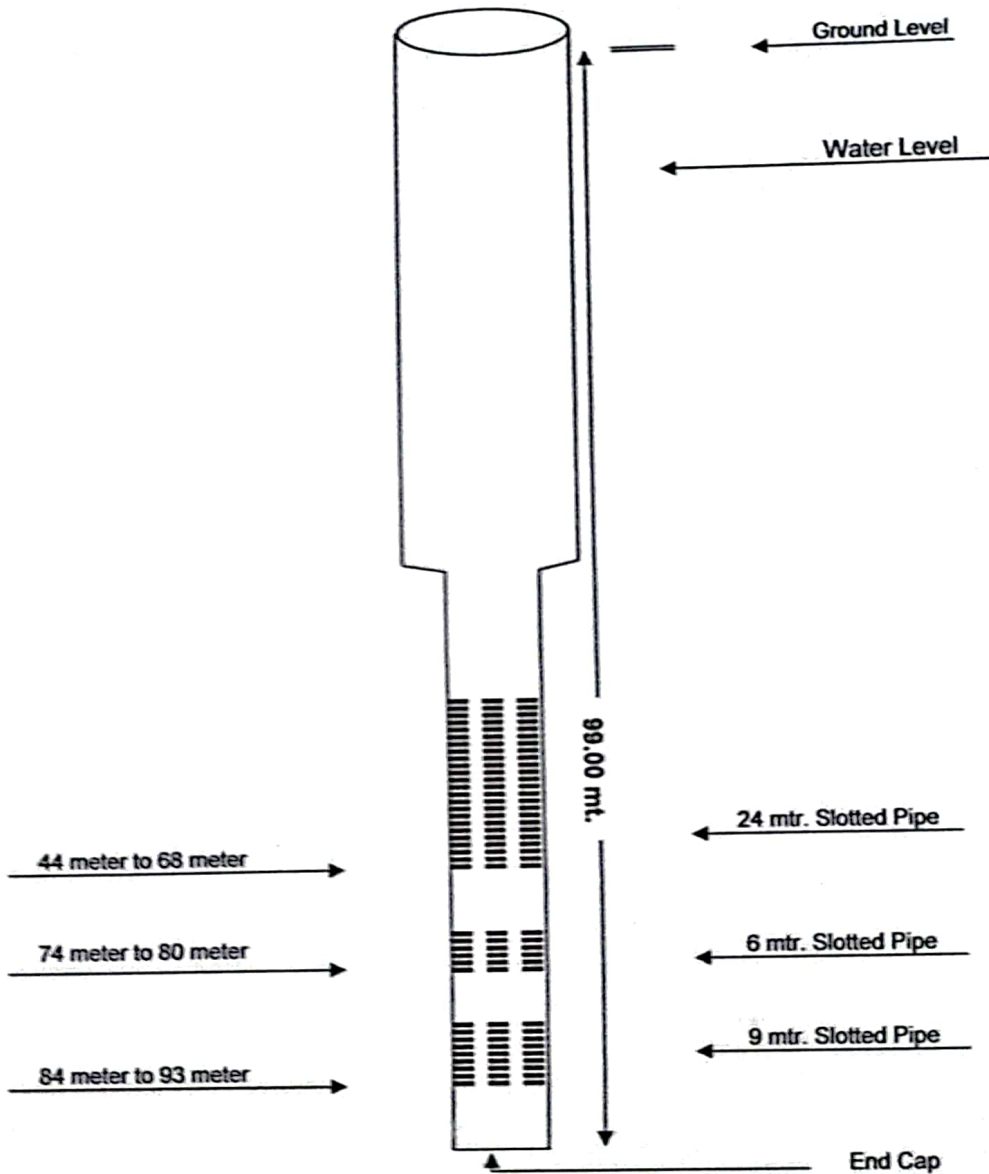
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Shapur, Block - Shahabad, Distt.- Rampur

Boring dia - 300X150mm.
Type of Boring - Stainer
Depth of Loring - 99 Mtr.
Water Level - 11 Mtr.



RECOMMENDED CHART

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