

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 491

Date:- 06-07-2022

**NAME OF SITE**

GRAM PANCHAYAT- Motipura Sekhupura BLOCK- Shahbad DISTT- Rampur

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Moradabad  
22, CAMAC STREET, BLOCK-A, 3<sup>rd</sup> 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**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOTIPURA SEKHUPURA, BLOCK- SHAHBAD  
DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 123 mtrs. depth. and Logged depth 121 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 06.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 - 12	7	Dry Sand	
3.	12 - 20	8	Sandy Clay	
4.	20 - 28	8	Fine to Medium sand	Good
5.	28 - 32	4	Clay kankar	
6.	32 - 55*	23	Medium sand	Good
7.	55 - 60	5	Kankar	
8.	60 - 93*	33	Medium sand	Good
9.	93 - 102	9	Clay kankar	
10.	102 - 111*	9	Medium sand	Good
11.	111 - 121	10	Clay kankar	

Ground Water Survey Consultancy



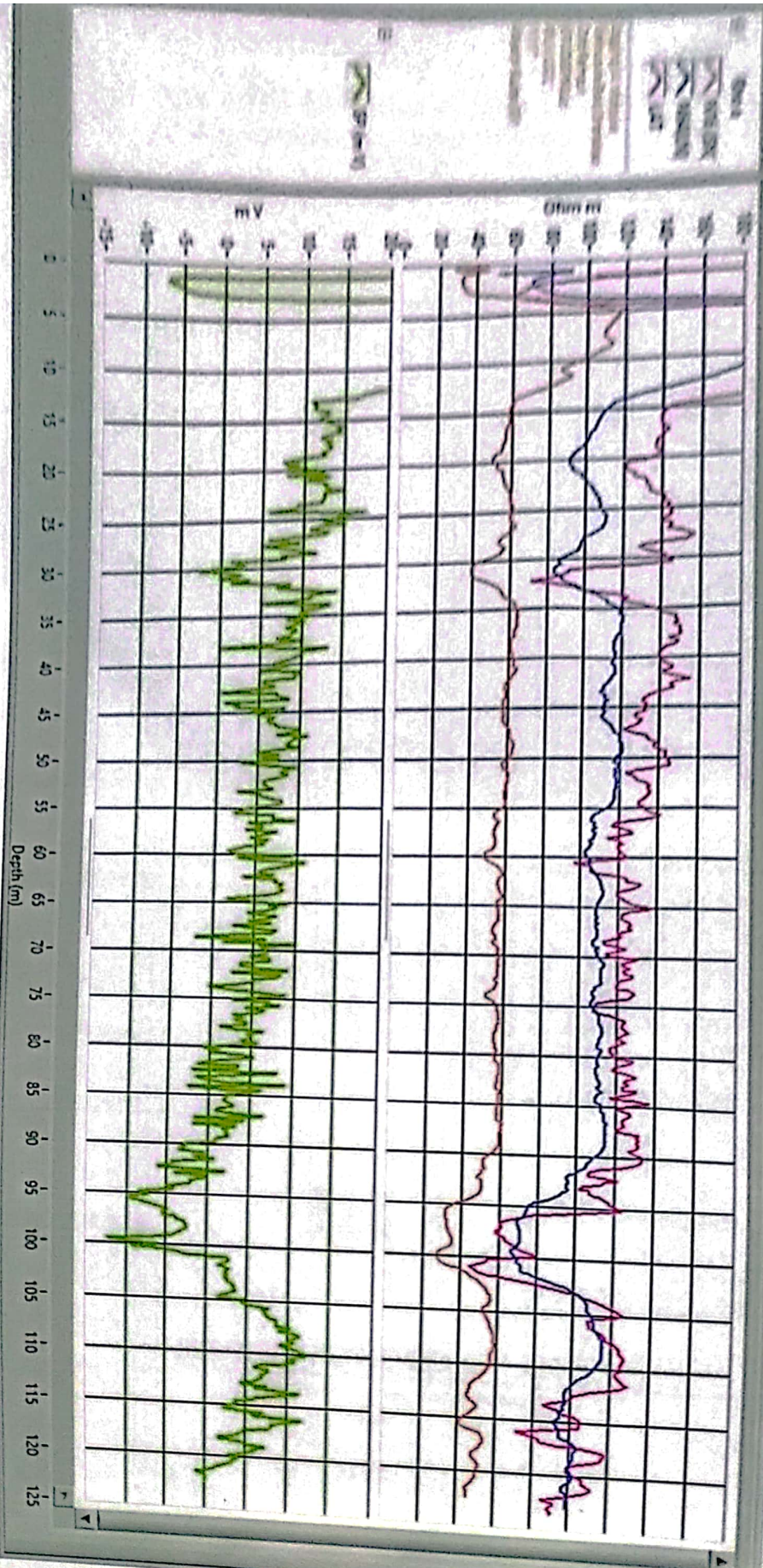
**Conclusions and Recommendations :-**

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.

**Geophysicist**



**Ground Water Survey Consultancy**



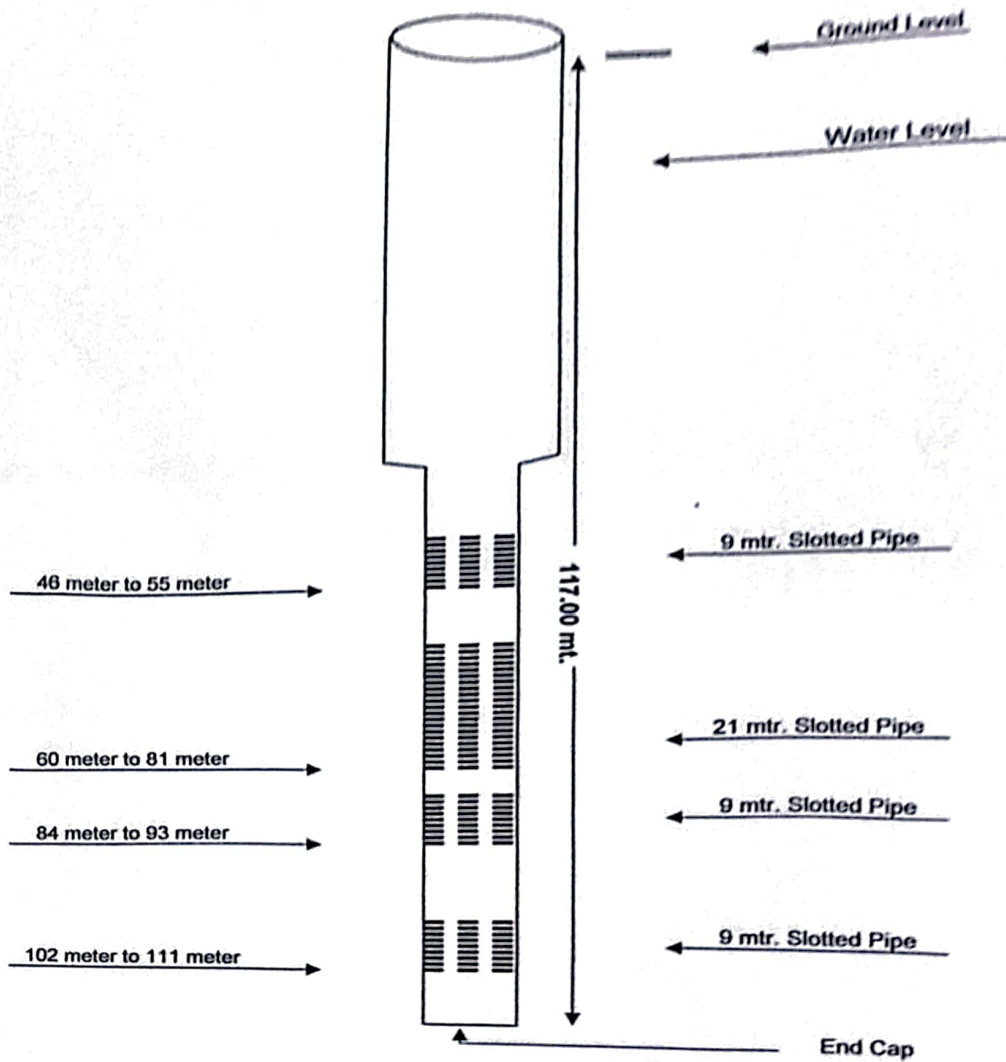
**ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART**  
FOR

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

**AT SITE**  
Gram Panchayat - Motlipura Sekhupura, Block - Shahbad, Distt.- Rampur

Boring dia -  
Type of Boring -  
Depth of Loring -  
Water Level -

200X150mm.  
Stainer  
117 Mtr.  
12 Mtr.



**RECOMMENDED CHART**

Ground Water Survey Consultancy

