

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 769

Date:- 07-09-2022

NAME OF SITE

GRAM PANCHAYAT- Lahari Khadar BLOCK- Hasanpur DISTT- Amroha

NAME OF AGENCY

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



GROUND WATER SURVEY CONSULTANCY

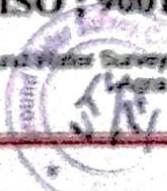
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Ferozabad 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- LUHARI KHADAR, BLOCK- HASANPUR
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 122 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 Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Sep.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 - 10	5	Sandy clay	
3.	10 - 15	5	Clay kankar	
4.	15 - 31	16	Medium sand	Good
5.	31 - 35	4	Clay kankar	
6.	35 - 40	5	Fine to Medium sand	Good
7.	40 - 51	11	Clay kankar	
8.	51 - 83*	32	Medium sand	Good
9.	83 - 90	7	Clay kankar	
10.	90 - 113*	23	Medium sand & Kankar	Good
11.	113 - 119	6	Clay kankar	
12.	119 - 121	2	Medium 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 1000 to 1100 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

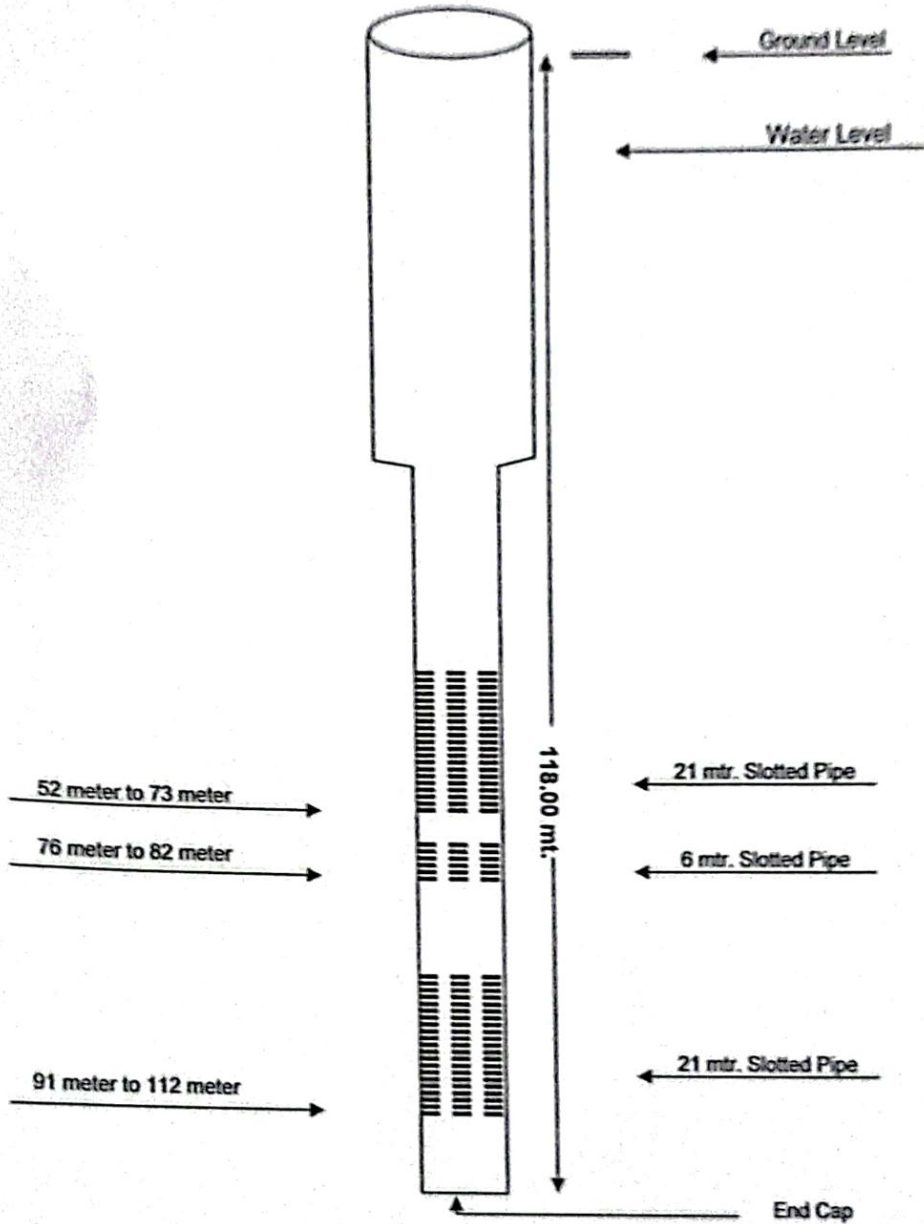
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Luhari Khadar, Block - Hasanpur, Distt.- Amroha

Boring dia - 200X150mm.
Type of Boring - Stainer
Depth of Boring - 118 Mtr.
Water Level - 9 Mtr.



RECOMMENDED CHART

Ground Water Survey Consultancy

