

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 469

Date:- 19-02-2022

### NAME OF SITE

GRAM PANCHAYAT- Agroula Kalan      BLOCK- Hasanpur      DISTT- Amroha

### NAME OF AGENCY

M/s PNC-SPML-JV  
Moradabad  
22, CAMAC STREET, BLOCK-A, 2<sup>nd</sup> FLOOR, KOLKATA-700018



### 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- AGROULA KALAN, BLOCK- HASANPUR, DISTT- AMROHA  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 19.Feb.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	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 33	18	Fine sand	Good
5.	33 - 35	2	Clay kankar	
6.	35 - 43	8	Fine sand	Good
7.	43 - 51	8	Clay kankar	
8.	51 - 66*	15	Medium sand	Good
9.	66 - 70	4	Clay kankar	
10.	70 - 86*	16	Medium sand	Good
11.	86 - 95	9	Clay kankar	
12.	95 - 120*	25	Medium sand & Kankar	Good
13.	120 - 130	10	Clay kankar	
14.	130 - 140*	10	Medium sand	Good

Ground Water Survey Consultancy



**Conclusions and Recommendations :-**

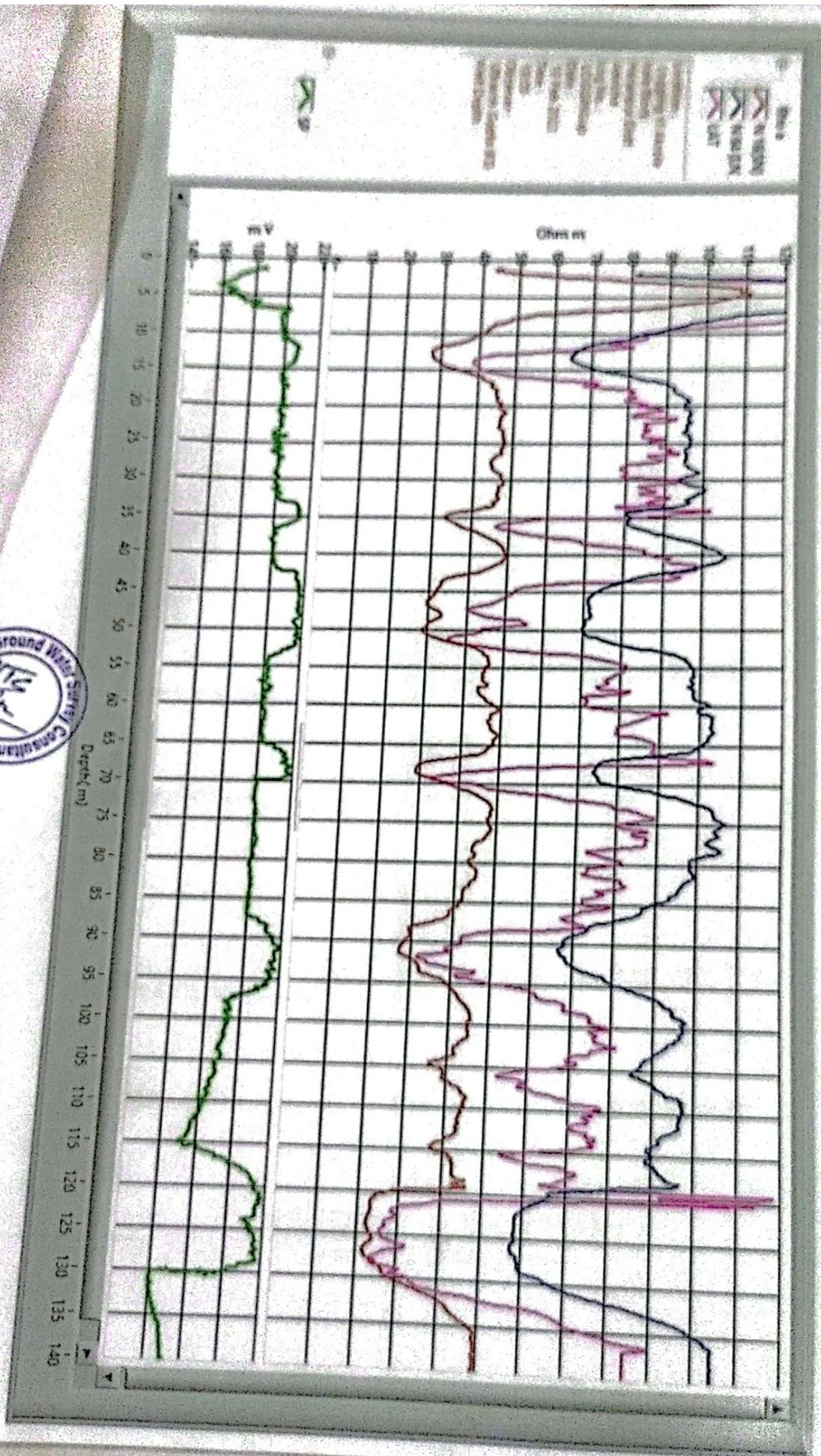
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 1000 to 1100 L.P.M.
5. It is recommended to have a chemical 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**

KKK  
K  
K



Ground Water Survey Consultancy  
Ajay

# 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 - Agroula Kalan, Block - Hasanpur, Distt. - Amroha

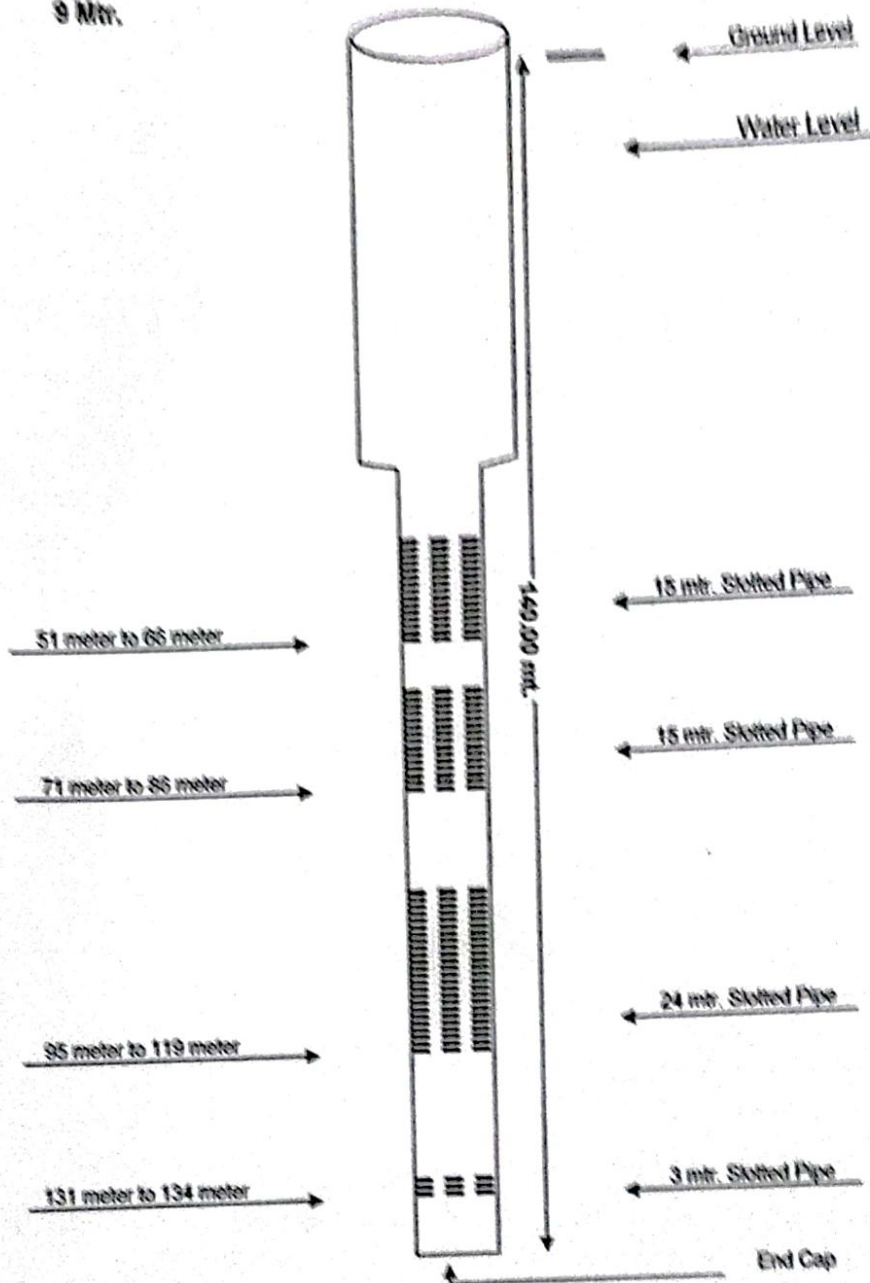
Boring dia -  
Type of Boring -  
Depth of Logging -  
Water Level -

300X180mm.

Stainer

140 Mtr.

9 Mtr.



### RECOMMENDED CHART

Ground Water Survey Consultancy

