

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 162

Date:- 30-04-2022

NAME OF SITE

GRAM PANCHAYAT- Haidarpur Etmal BLOCK- Gangeshwari DISTT- Amroha

NAME OF AGENCY

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



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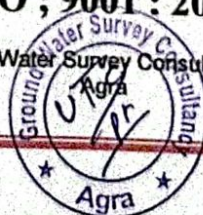
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HAIDARPUR ETMAIL, BLOCK- GANGESHWARI
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 30.Apr.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 - 17	12	Clay kankar	
3.	17 - 33	16	Medium sand	Good
4.	33 - 39	6	Clay kankar	
5.	39 - 75*	36	Medium sand	Good
6.	75 - 83	8	Clay kankar	
7.	83 - 95*	12	Medium sand & Kankar	Good
8.	95 - 100	5	Clay kankar	
9.	100 - 103*	3	Fine to Med. sand & Kankar	Good
10.	103 - 112	9	Clay kankar	
11.	112 - 120*	8	Medium sand	Good

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Inclusions 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

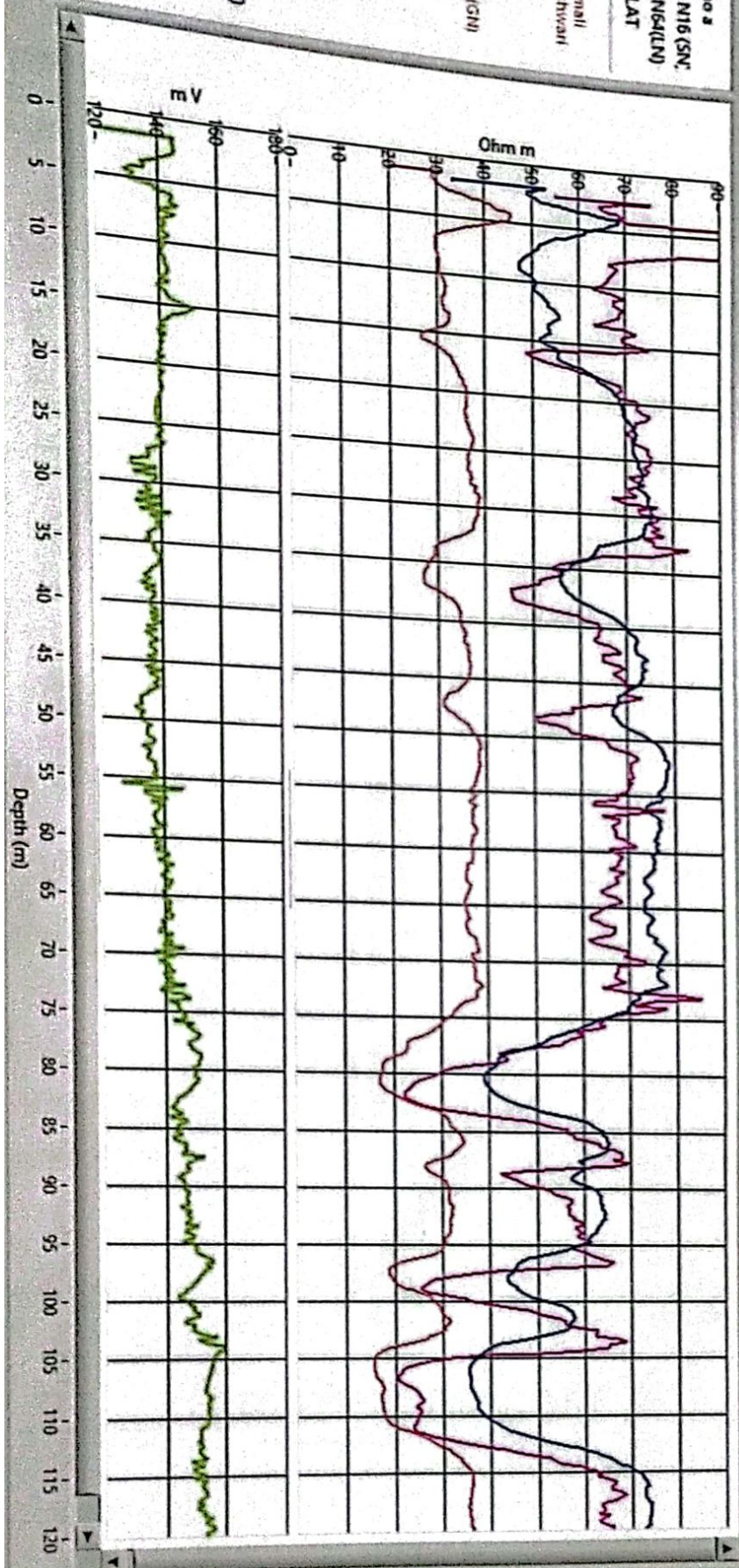


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Logging VI
haldipur etmal
Block gangehwan
Dist Amroha
LOGGINGUP
30 Apr 2022
18:16
utkarsh gupta (GM)

Rho a
N16 (SN)
N64(LN)
LAT

SP (m V)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART

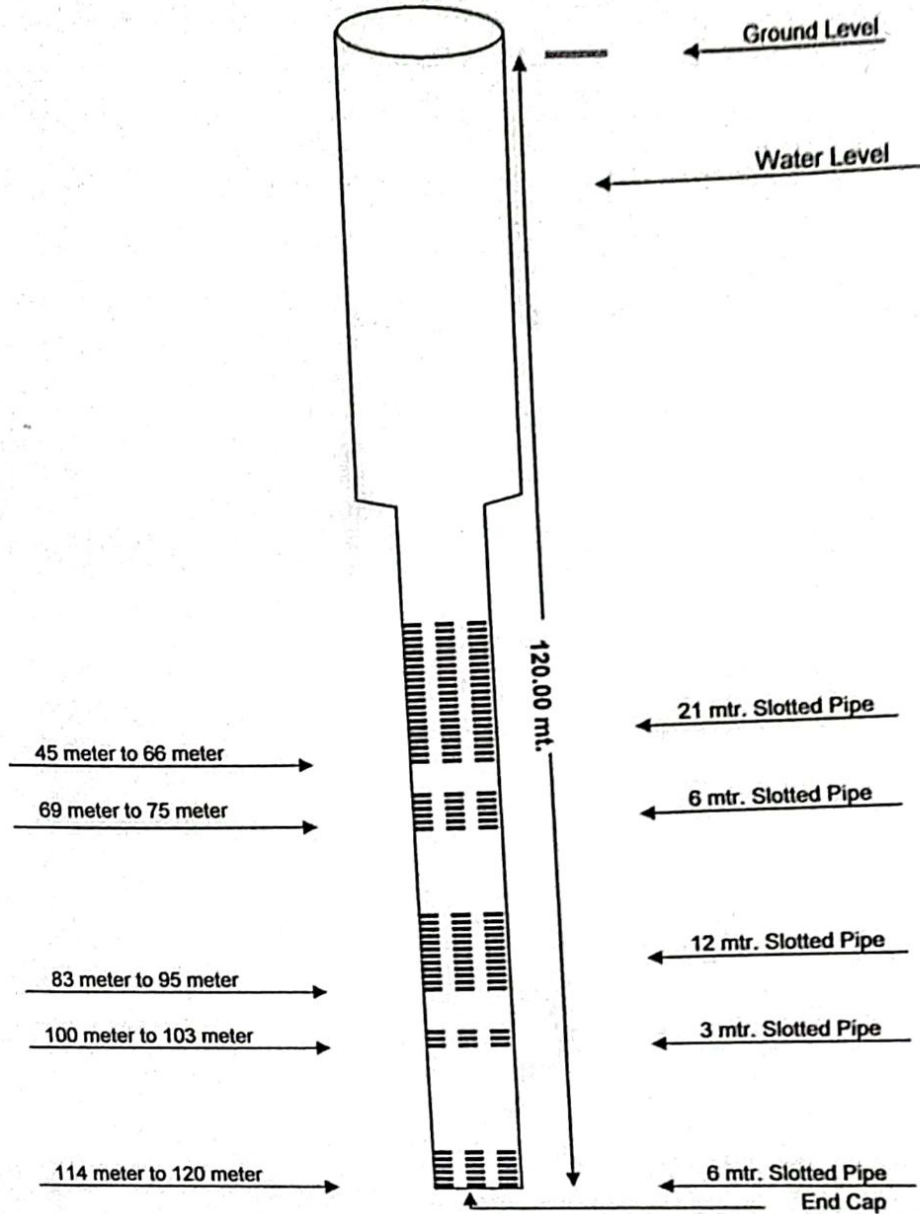
FOR
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Haidarpur Etnail, Block - Gangeshwari, Distt.- Amroha

g dia - 200X150mm.
of Boring - Stainer
n of Loring - 120 Mtr.
er Level - 11 Mtr.



RECOMMENDED CHART

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