

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 347

Date:- 21-01-2022

NAME OF SITE

GRAM PANCHAYAT- Barikheda Rajput BLOCK- Joya DISTT- Amroha

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.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

M PANCHAYAT- BARIKHEDA RAJPUT, BLOCK- JOYA, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Location :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 137 mtrs. at 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 above bore hole using IGIS Well Logger on 21.Jan.2022.
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.
of major equifer formations explored from logging of bore hole combined with the study
a Chart prepared from drill cuttings are given in the following table:-

Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
0 - 5	5	Surface soil	
5 - 15	10	Fine sand & Kankar	
15 - 32	17	Sandy clay	
32 - 39	7	Clay kankar	
39 - 54*	15	Medium sand	Med. to Good
54 - 60	6	Clay kankar	
60 - 72*	12	Fine to Medium sand	Med. to Good
72 - 76	4	Clay kankar	
76 - 95*	19	Medium sand	Med. to Good
95 - 101	6	Clay kankar	
101 - 120*	19	Medium sand	Med. to Good
120 - 130	10	Clay kankar	
130 - 137	7	Medium sand	Med. to Good

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Conclusions and Recommendations :-

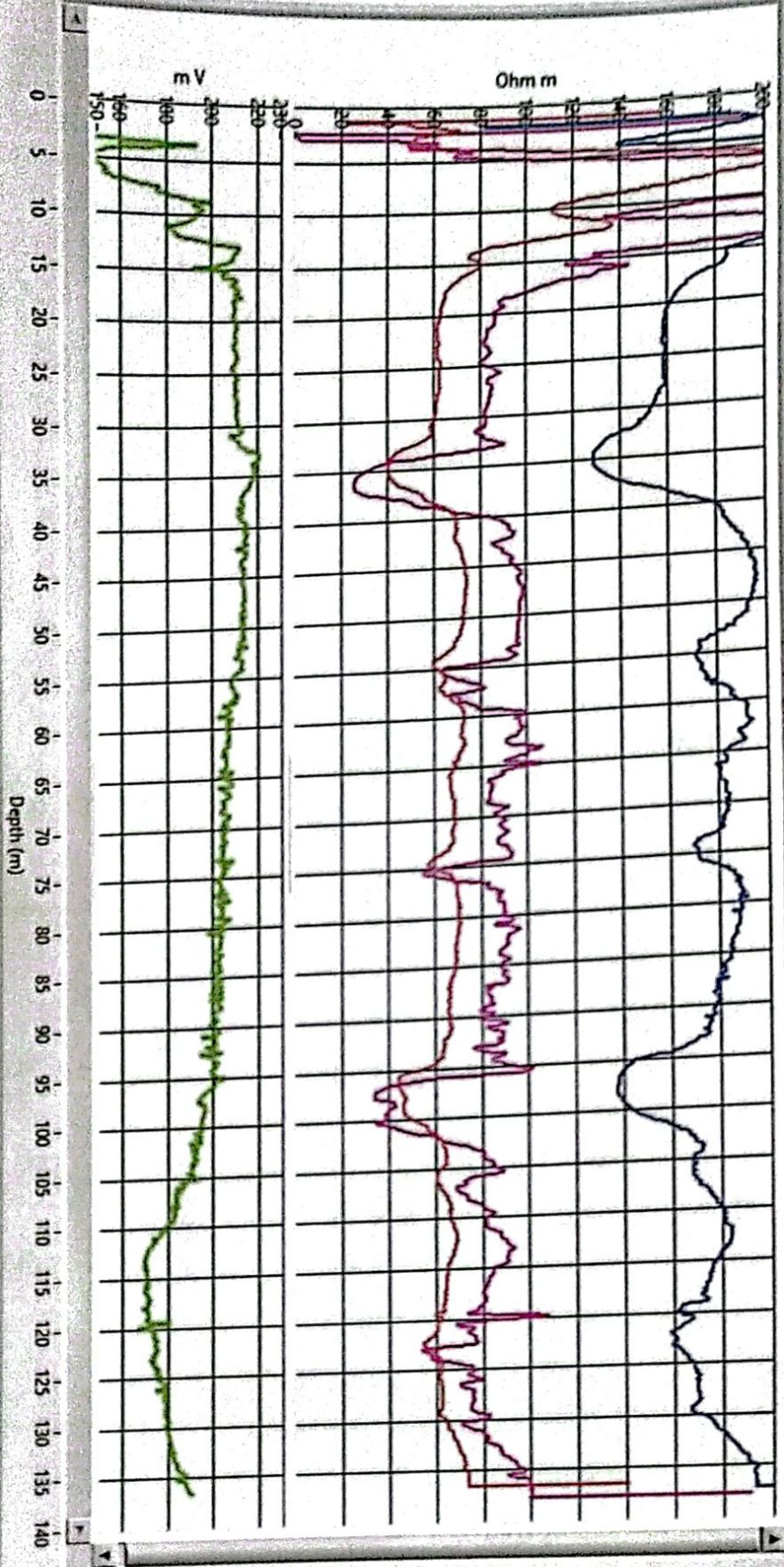
1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
4. Expected discharge is 1100 to 1200 L.P.M.
5. It is recommended to have 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.



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Bho 3
 N16 (SN)
 N24 (LN)
 LAT
 Logging VI Sartheda
 Rajput Block Jaja
 Dist Anand
 LOGGING
 21 Jan 2022
 13:05
 Uttam Singh Gupta (R)

SP (mV)



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

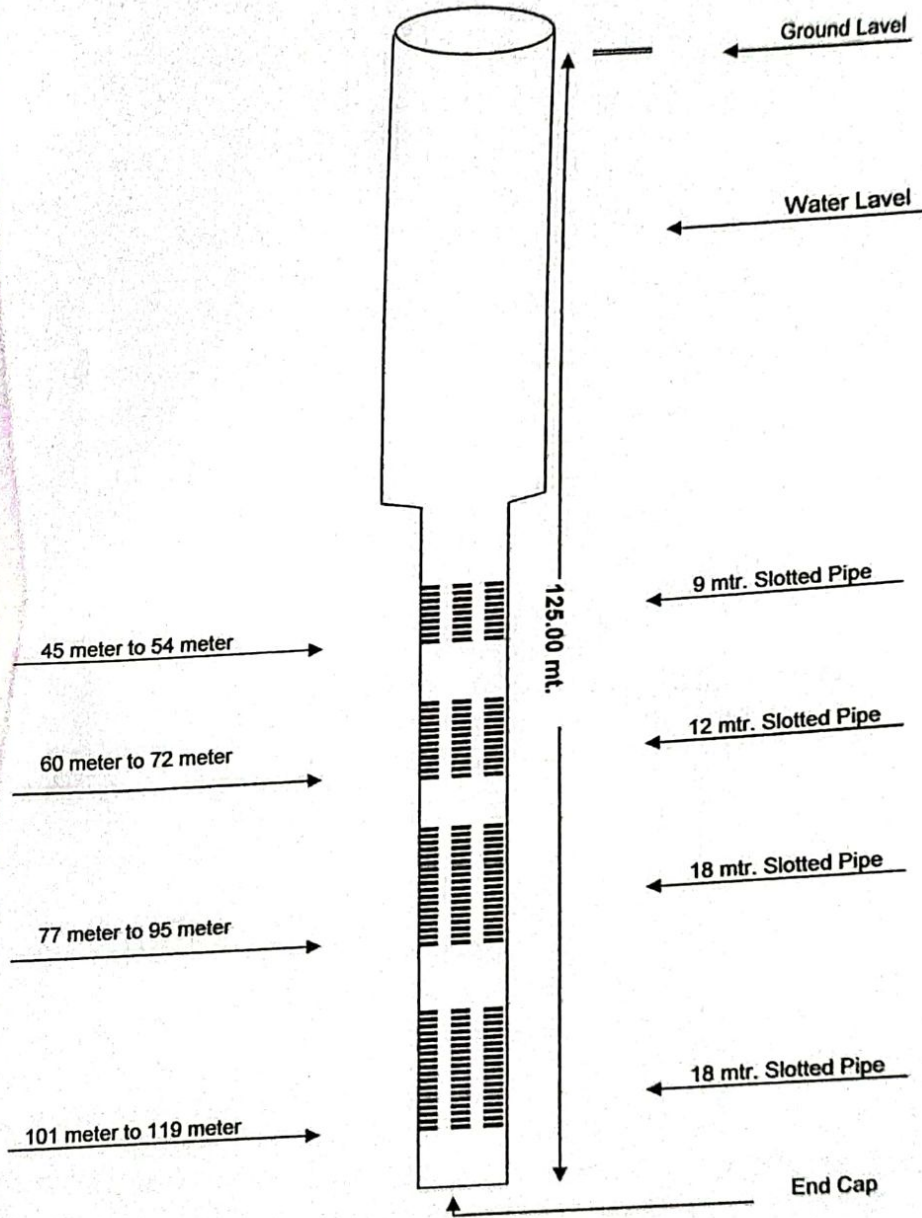
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Barikheda Rajput, Block - Joya, Distt.- Amroha

g dia - 300X150mm.
of Boring - Stainer
of Loring - 125 Mtr.
Level - 18 Mtr.



RECOMMENDED CHART

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