

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 787

Date:- 09-09-2022

NAME OF SITE

GRAM PANCHAYAT- Khanora BLOCK- Hasanpur 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

GRAM PANCHAYAT- KHANORA, BLOCK- HASANPUR
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 128 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 09.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 - 9	4	Dry sand	
3.	9 - 22	13	Fine to Medium sand	
4.	22 - 42	20	Sandy clay	
5.	42 - 45	3	Fine sand	Medium
6.	45 - 75*	30	Medium sand	Medium
7.	75 - 82	7	Clay kankar	
8.	82 - 101*	19	Medium sand	Medium
9.	101 - 112	11	Clay kankar	
10.	112 - 120*	8	Medium sand	Medium

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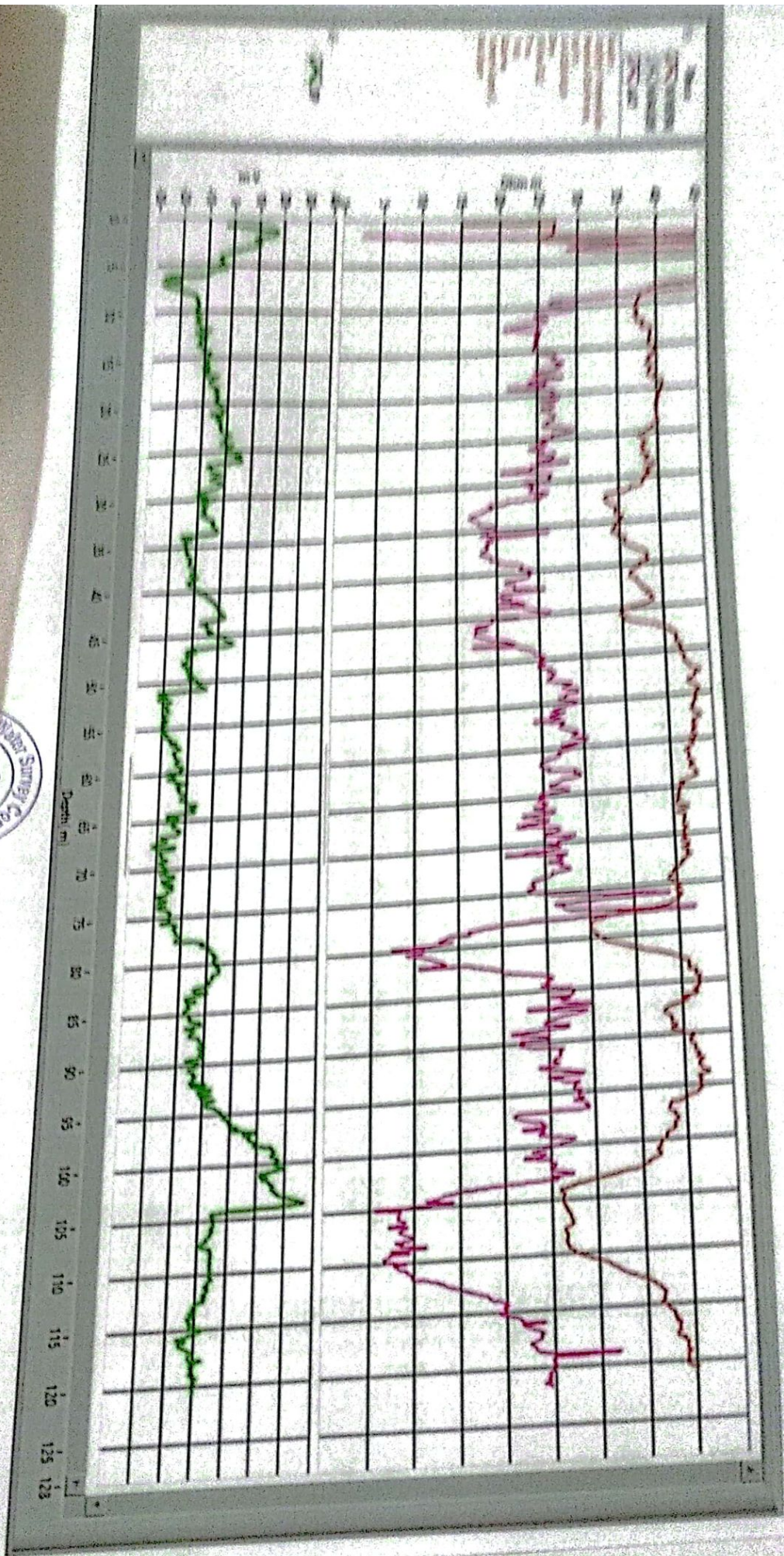
Conclusions and Recommendations :-

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.
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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**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 - Khanora, Block - Hasanpur, Distt.- Amroha

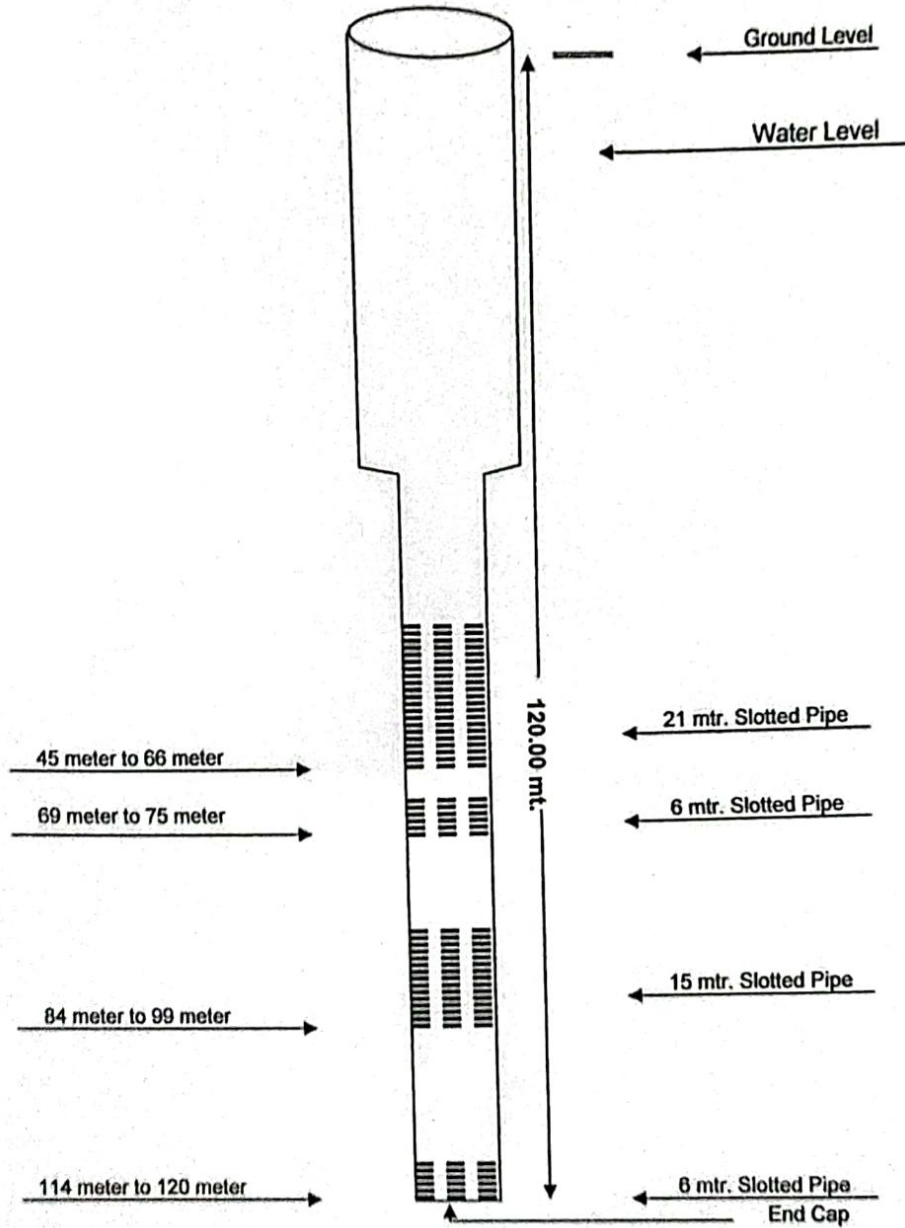
ing dia -
pe of Boring -
pth of Loring -
ater Level -

200X150mm.

Stalner

120 Mtr.

9 Mtr.



RECOMMENDED CHART

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