

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 360

Date:- 28-01-2022

NAME OF SITE

GRAM PANCHAYAT- Garabpur Urf Rustampur BLOCK- Hasanpur
DISTT- Amroha

NAME OF AGENCY

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



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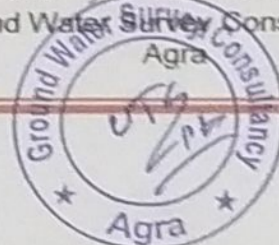
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GARABPUR URF RUSTAMPUR, BLOCK- HASANPUR
DISTT- AMROHA
UNDER
JAL JIVAN MISSION

Introduction :

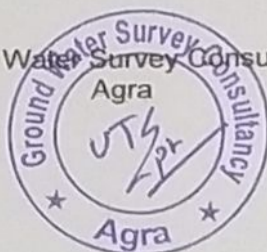
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of Mr. Pankaj Sinha, Sr. Projects Managar. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Jan.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:-

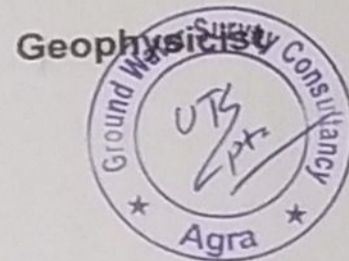
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 41	16	Fine to Medium sand	Good
5.	41 - 62	21	Clay kankar 1	
6.	62 - 85*	23	Medium sand	Good
7.	85 - 96	11	Clay kankar 2	
8.	96 - 121*	25	Medium sand	Good
9.	121 - 130	9	Clay kankar 3	

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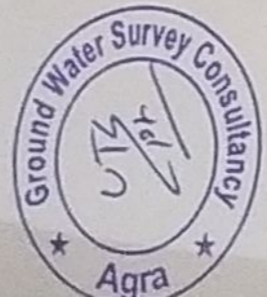
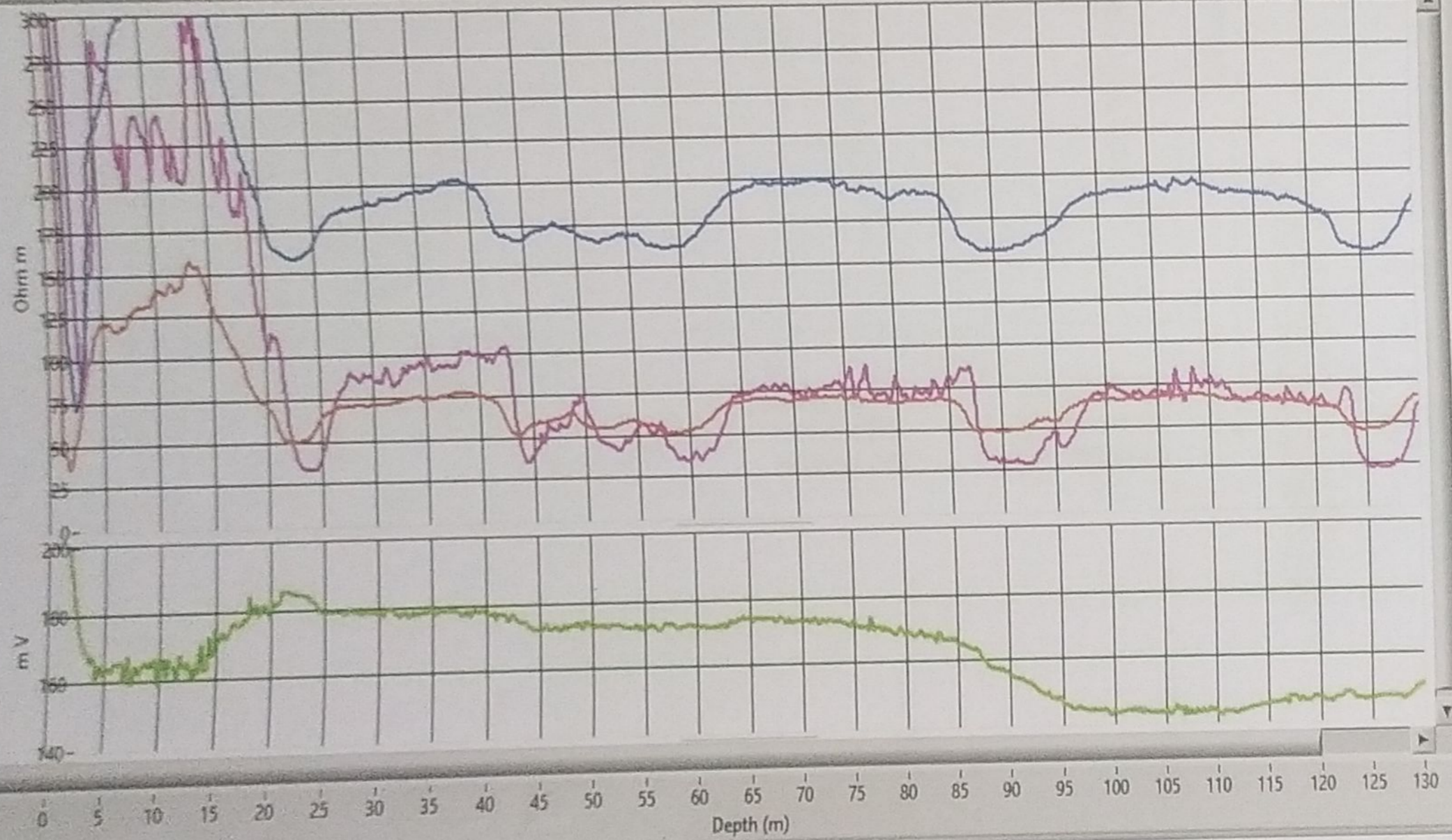
Conclusions and Recommendations :-

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 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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(i) **Bo a**
 N16 (SN)
 N44 (N)
 LAT
 Logging v. garesur
 of suranpur block
 Baranpur dist
 amroha
 CDG/MS/2022
 17/04
 abhraj gupta



ELECTRIC WELL LOGGING TUBEWELL BORING ASSEMBLY RECOMMENDED CHART
FOR

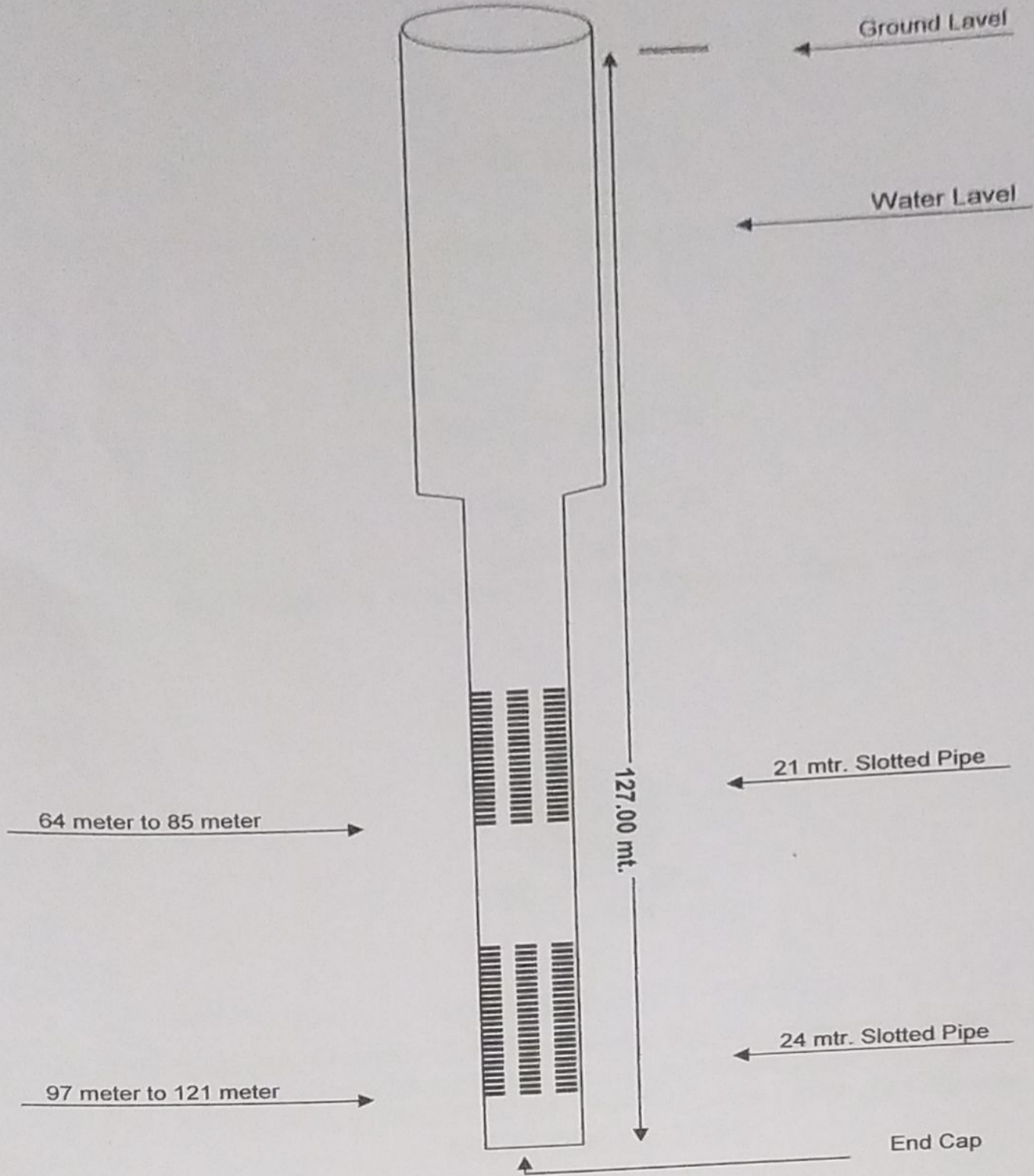
M/s PNC-SPML-JV, Moradabad

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

AT SITE

Gram Panchayat - Garabpur Urf Rustampur, Block - Hasanpur, Distt. - Amroha

ing dia - 200X150mm.
e of Boring - Stainer
th of Loring - 127 Mtr.
ter Level - 18 Mtr.



RECOMMENDED CHART

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