

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 255

Date:- 27-12-2021

NAME OF SITE

GRAM PANCHAYAT- Tohfapur BLOCK- Joye DISTT- Amroha

NAME OF AGENCY

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



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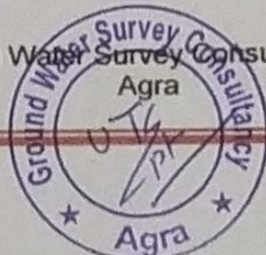
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TOHFAPUR, BLOCK- JOYE, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

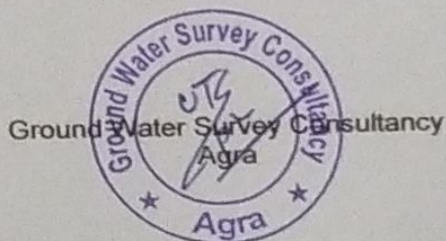
Introduction :

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 27.Dec.2021.

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:-

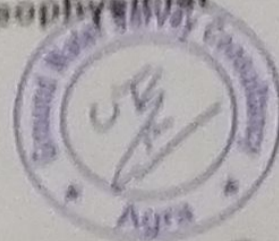
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 12	2	Clay kankar	
4.	12 - 20	8	Fine sand	
5.	20 - 35	15	Clay kankar	
6.	35 - 57*	22	Medium sand	Good
7.	57 - 60	3	Clay kankar (1)	
8.	60 - 63	3	Fine sand	Good
9.	63 - 65	2	Clay kankar (2)	
10.	65 - 73*	8	Fine to Medium sand	Good
11.	73 - 76	3	Clay kankar	
12.	76 - 94*	18	Medium sand	Good
13.	94 - 96	2	Clay kankar (3)	
14.	96 - 105*	9	Fine to Medium sand	Good
15.	105 - 108	3	Clay kankar	
16.	108 - 115	7	Kankar	
17.	115 - 120	5	Sandy clay	



Conclusions and Recommendations :

1. The Lithology broadly tallies with that of drill cutting starts 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 1200 to 1400 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

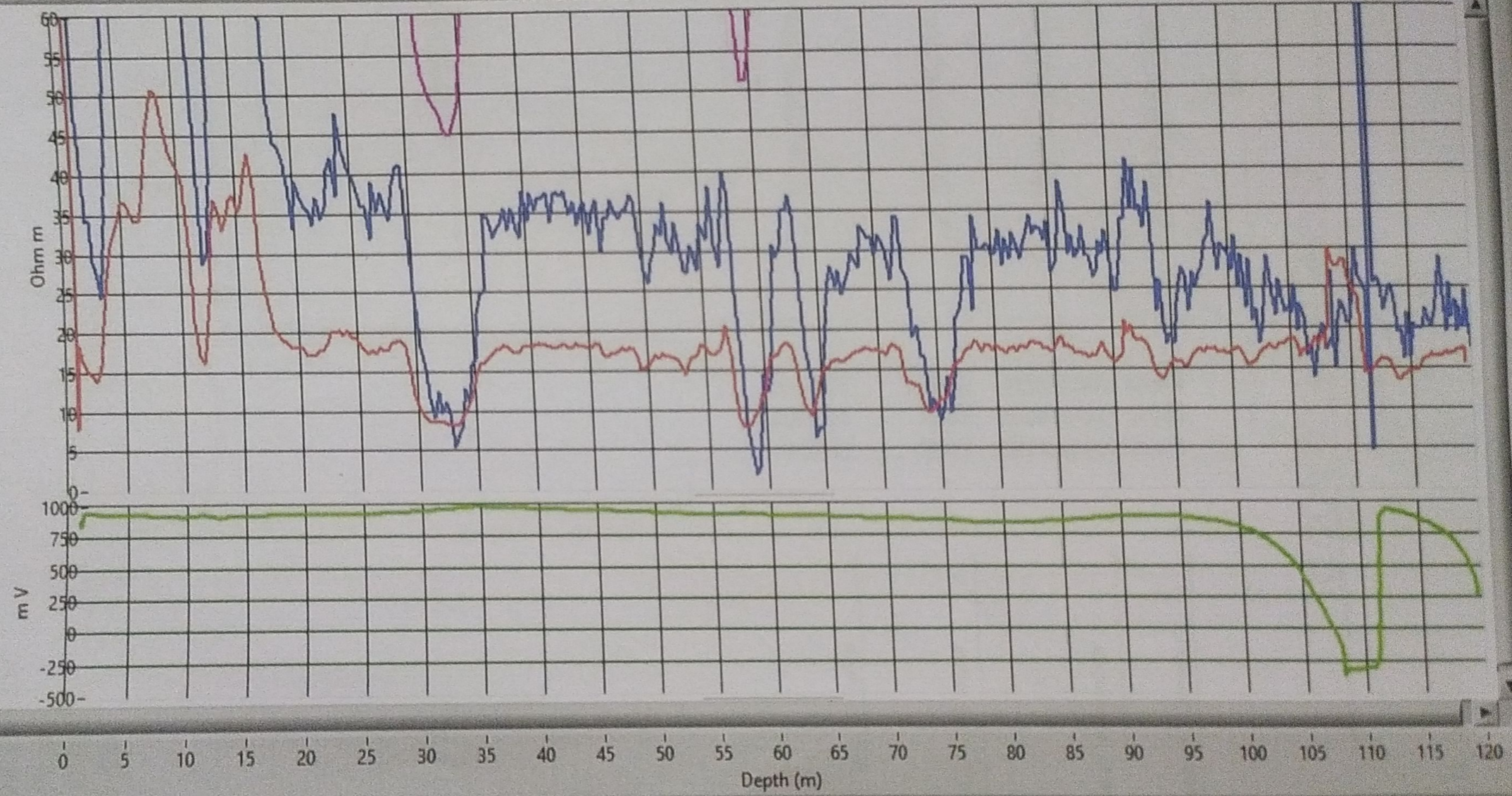


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Rho a
N16 (SN)
N64 (LN)
LAT

logging vl tohfapur
block joya dst
amroha
LOGGINGup
27 Dec 2021
17:23
utkarsh gupta(v)

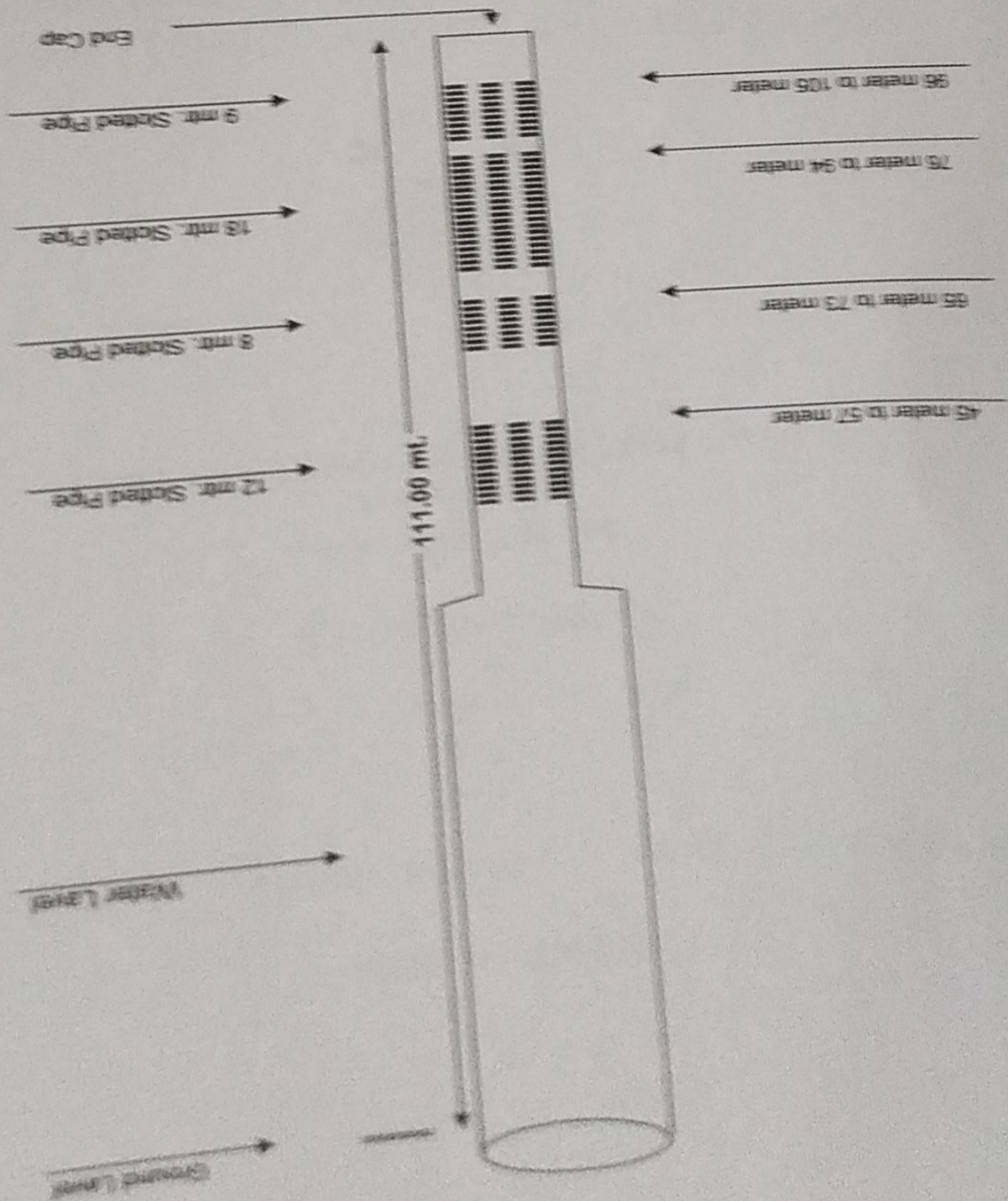
SP (m V)





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RECOMMENDED CHART



FOR
M/S PNC-SPML JV, Moradabad
AT SITE
GATE NO. 11, INDUSTRIAL AREA, MORADABAD
2000150 MTR
SHOUBH
111 MTR
27 MTR

Ground Water Survey Consultancy - Agri, Durg, Durg - Anand