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HUNDRED ONLY)

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GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

RefNo:- 454

Date. 17-02-2022

NAME OF SITE

Gram Panchayat- Muhammadpur Bihar

BLOCK- Salarpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV

Badaun



GROUND WATER SURVEY CONSULTANCY

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUHAMMADPUR BIHAR, BLOCK- SALARPUR

DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

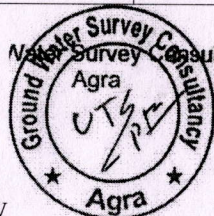
Introduction :

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, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 17.Feb.2022.

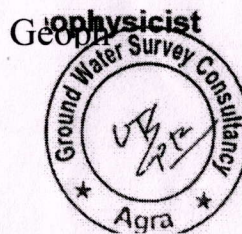
Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.NO.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.		5	Surface soil	
2.	12	7	Dry sand	
3.	12 - 35	23	Clay kankar	
4.	35 —	50	Medium sand	Good
5.	85 - 87	2	Clay kankar	
6.	87 — 100*	13	Fine to Medium sand	Good
7.	100 - 114	14	Clay kankar	
8.	114 - 120	6	Sandy clay	



Conclusions and Recommendations :-

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.

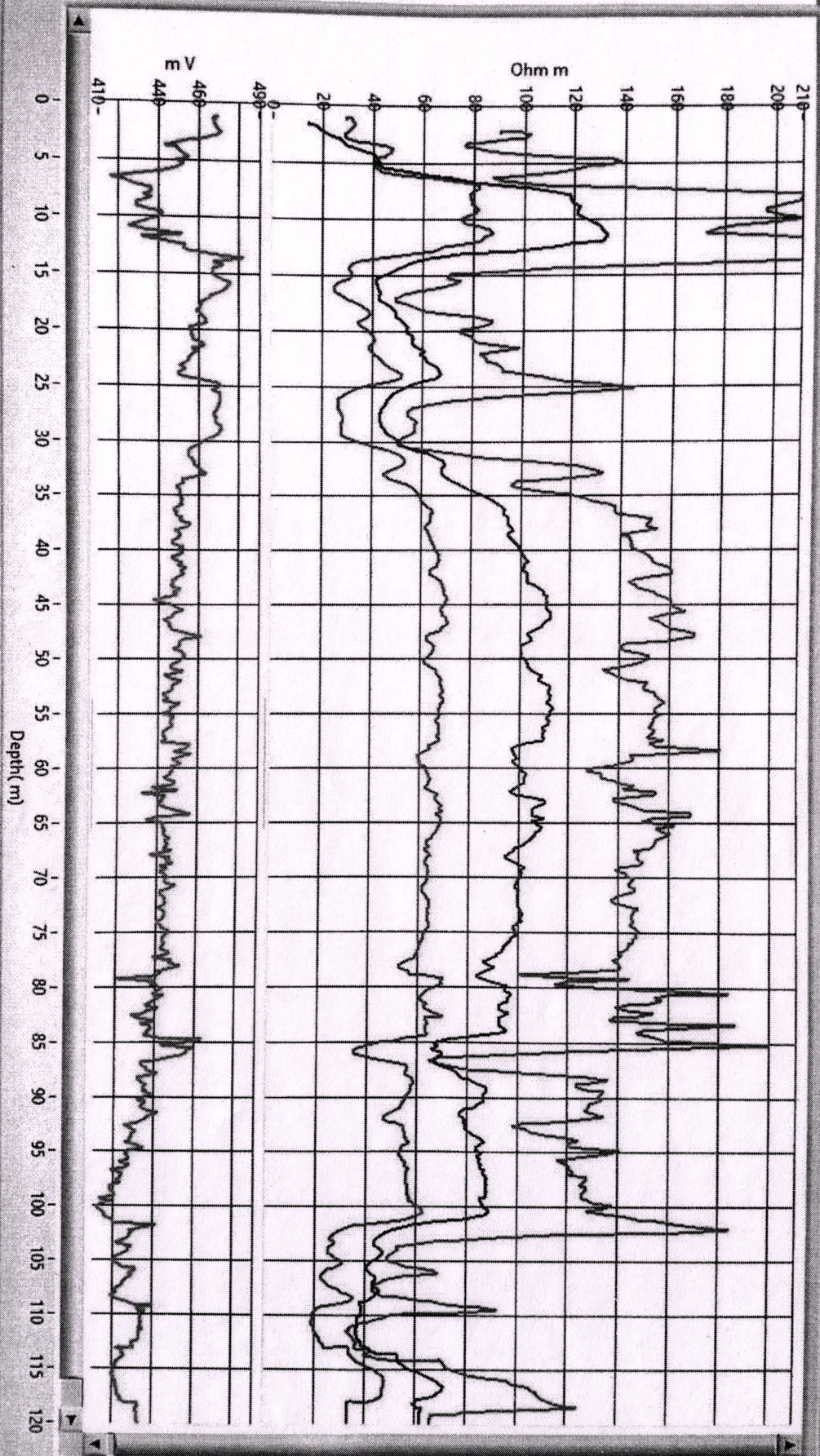


Ground Water Survey Consultancy

Rho a
N 16(SN)
N 64 (LN)
LAT

Location :
Logging VI
Mohammadpur
bihar block salarpur
distt badam

Log No. : LOGGINGUP
Date : 17 Feb 2022
Time : 12:44
Observer : Utkarsh Gupta (KS)
Well Depth :



SP