

Ground Water Survey Consultancy

ISO : 9001 : 2015

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

GROUND WATER SURVEY CONSULTANCY



Badam

M/s PNC-SPML-JV

NAME OF AGENCY

Gram Panchayat- Byoli BLOCK - Wazirganj DISTT- Badam

NAME OF SITE

Date:- 21-12-2021

Ref No:- 223

ELECTROLOGGING REPORT
GEO-PHYSICAL WELL

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-BYOLI, BLOCK-WAZIRGANJ, DISTT.-BADAUN

UNDER

JAL JIVAN MISSION

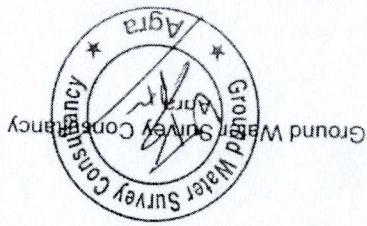
Introduction :

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 21. 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	Clay kankar	
3.	10 - 12	2	Dry sand	
4.	12 - 25	13	Clay kankar	
5.	25 - 46*	21	Medium sand	Medium
6.	46 - 50	4	Clay kankar	
7.	50 - 54	4	Very Fine sand	Medium
8.	54 - 65	11	Clay kankar	
9.	65 - 100*	35	Medium sand	Medium
10.	100 - 109	9	Clay kankar	
11.	109 - 116*	7	Medium sand	Medium
12.	116 - 120	4	Clay kankar	

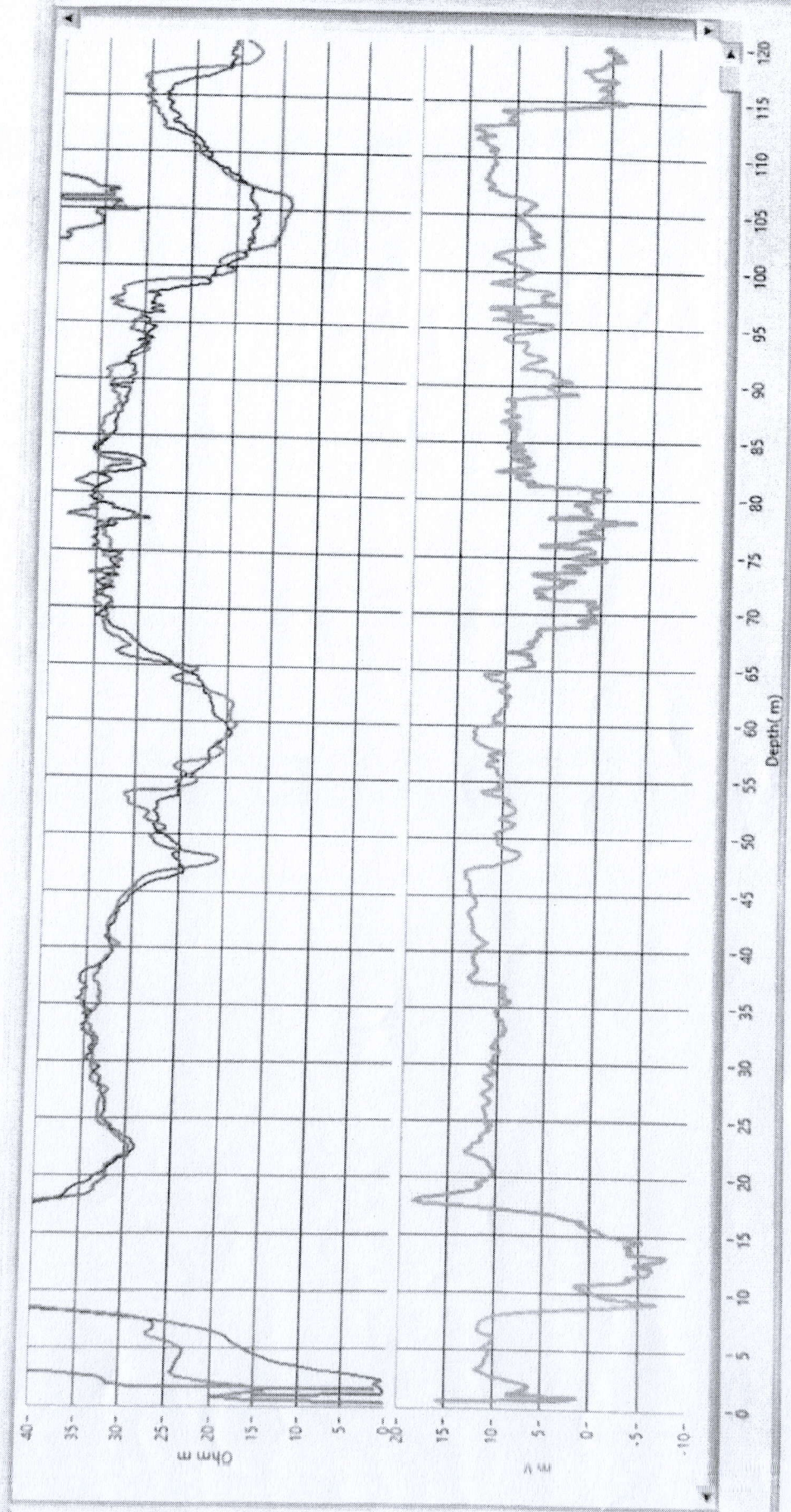


Conclusions and Recommendations :-

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 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.

Ground Water Survey Consultancy





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 N 16(SN)
 N 64 (LN)
 LAT

Survey
 1994-95 - For Post
 Analysis - Data Base
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 1. 100/100
 2. 100/100
 3. 100/100
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