

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

P.42

Ref No:- 111

Date:- 20-04-2022

NAME OF SITE

Gram Panchayat- Raipur Kalan

BLOCK- Bisauli

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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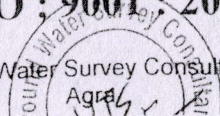
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAIPUR KALAN, BLOCK- BISAULI
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 110 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 20.Apr.2022.

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

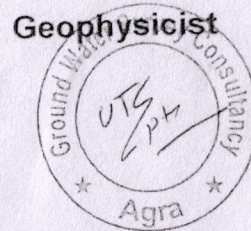
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Dry sand	
3.	21 - 33	12	Clay kankar	
4.	33 - 47	14	Medium sand	Med. to Good
5.	47 - 70	23	Clay kankar	
6.	70 - 80*	10	Medium sand	Med. to Good
7.	80 - 85	5	Clay kankar	
8.	85 - 95*	10	Medium sand	Med. to Good
9.	95 - 110	15	Clay kankar	

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Conclusions and Recommendations :-

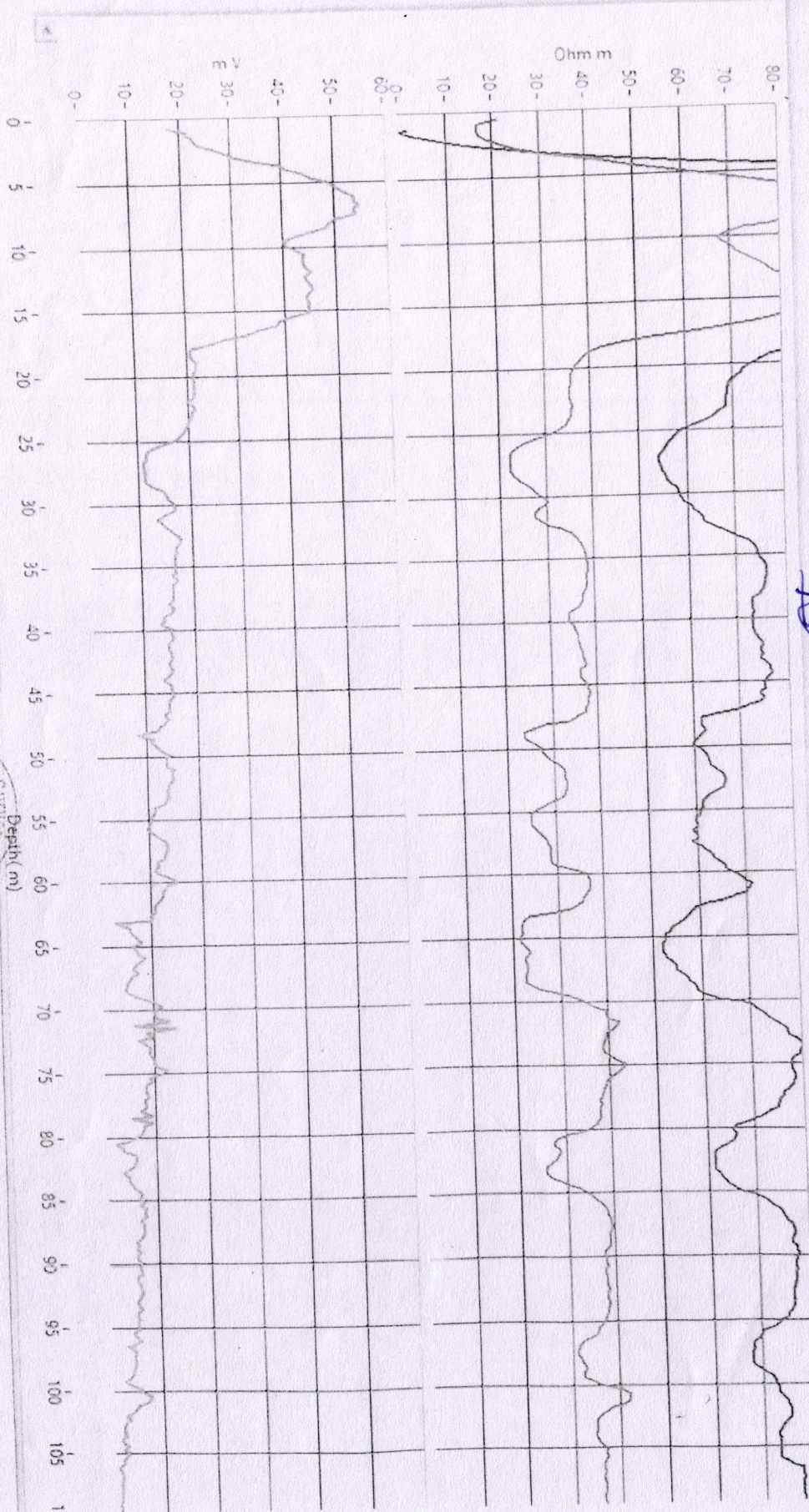
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Medium to Good.
4. Expected discharge is 700 to 800 L.P.M.
5. It is recommended to have 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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Rho a
 < N 16(SN)
 < N 64(LN)
 < LAT

SP



Amjad

