

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-1820

Date:- 09-10-2023

NAME OF SITE

GRAM PANCHAYAT- Raipur Mazra
BLOCK- Ambiyapur
DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

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

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ISO : 9001 : 2015

Ground Water Survey Consultancy

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- RAIPUR MAZRA, BLOCK- AMBIYAPUR, DISTT- BADAUN
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, 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 09.Oct.2023.

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 - 20	15	Dry sand	
3.	20 - 30	10	Clay kanakar	
4.	30 - 42	12	Medium sand	Medium
5.	42 - 47	5	Clay kanakar	
6.	47 - 50*	3	Fine to Medium sand	Medium
7.	50 - 56	6	Clay kanakar	
8.	56 - 79*	23	Medium sand	Medium
9.	79 - 86	7	Clay kanakar	
10.	86 - 93*	7	Medium sand	Medium
11.	93 - 98	5	Clay kanakar	
12.	98 - 110*	12	Medium sand	Medium
13.	110 - 122	12	Clay kanakar	
14.	122 - 130*	8	Medium sand	Medium

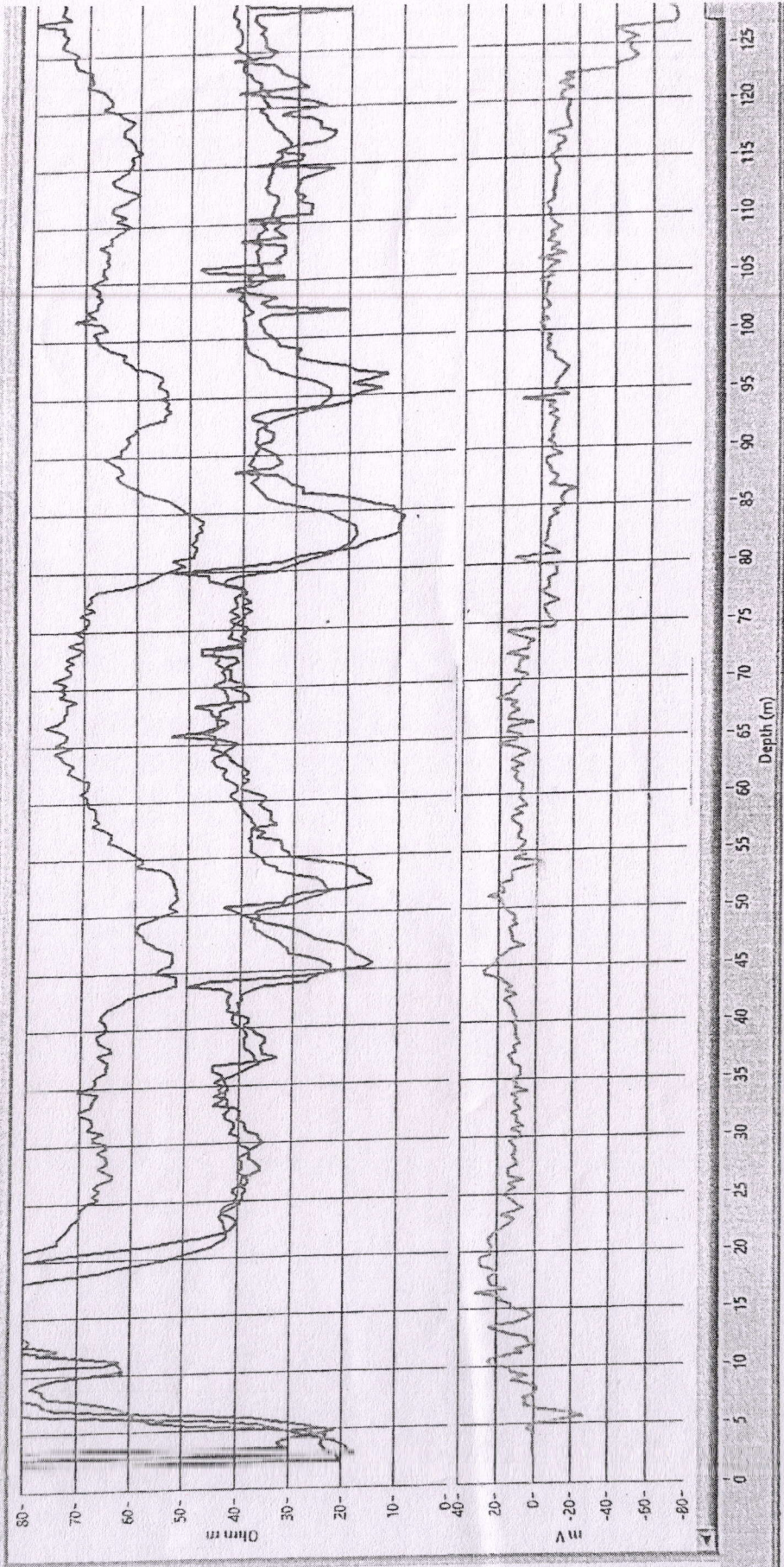
Conclusions and Recommendations :-

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 tubewell.
3. The Quality of water is expected Medium.
4. 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.
5. 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



Ground Water Survey Consultancy



E Rho a
 N16 (SN)
 N54 (LN)
 LAT
 Logging Details
 LOGGING COMPANY
 LOGGING NO. 123456789
 PROJECT NO. 123456789
 DATE 12/22/23
 TIME 11:11
 USER: G. J. AG

Logger S. Inc
 IG/S/02/22-23

E SP (mV)
 Logger Model:
 DMPL-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

