

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 464

Date:- 19-02-2022

**NAME OF SITE**

Gram Panchayat- Agool

BLOCK- Ambiapur

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**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AGOOLS, BLOCK- AMBIAPUR, 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 19.Feb.2022.

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 - 17         | 12           | Fine sand           |                        |
| 3.    | 17 - 35        | 18           | Clay kankar         |                        |
| 4.    | 35 - 42        | 7            | Fine to Medium sand | Good                   |
| 5.    | 42 - 46        | 4            | Clay kankar         |                        |
| 6.    | 46 - 50        | 4            | Fine sand           | Good                   |
| 7.    | 50 - 63        | 13           | Clay Kankar         |                        |
| 8.    | 63 - 72*       | 9            | Medium Sand         | Good                   |
| 9.    | 72 - 80        | 8            | Clay Kankar         |                        |
| 10.   | 80 - 110*      | 30           | Medium sand         | Good                   |
| 11.   | 110 - 119      | 9            | Clay Kankar         |                        |
| 12.   | 119 - 130*     | 11           | Medium sand         | Good                   |

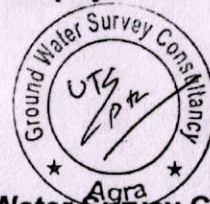
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**Conclusions and Recommendations :-**

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

**Geophysicist**



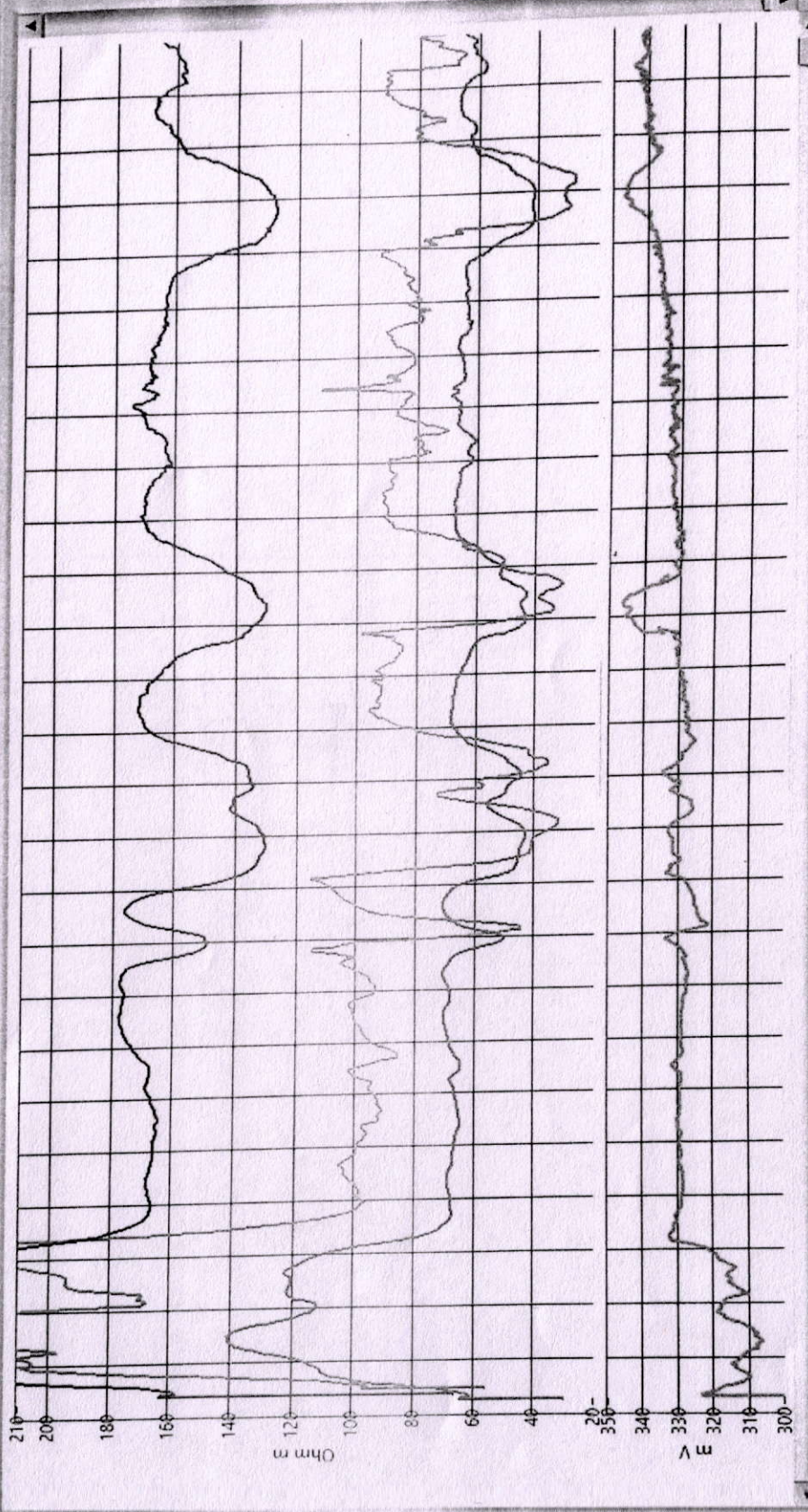
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Rho a  
 N 16(SN)  
 N 64(LN)  
 LAT

Location: Logging VI - good  
 Eford - Ambipapir  
 Cliff Eadaun  
 Log No. LOGG115up  
 Date 12 Feb 2002  
 Time 17:23  
 Observer: Ulrich, Gupta, & S  
 Well Depth:

Notes:

SP



210  
 200  
 180  
 160  
 140  
 120  
 100  
 80  
 60  
 40  
 20  
 350  
 340  
 330  
 320  
 310  
 300

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130

SP  
 Rho a  
 Depth (m)