

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

RefNo:-B- 1035

Date:- 20-06-2023

NAME OF SITE

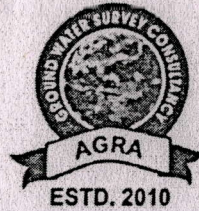
Gram Panchayat- Sateti Patti

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SATETI PATTI, BLOCK- AMBIYAPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

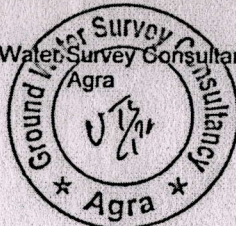
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 20.June.2023.

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 - 16 | 11 | Dry sand | |
| 3. | 16 - 26 | 10 | Clay kankar | |
| 4. | 26 - 41 | 15 | Medium sand | Good |
| 5. | 41 - 48 | 7 | Clay kankar | |
| 6. | 48 - 51 | 3 | Fine sand | Good |
| 7. | 51 - 58 | 7 | Clay kankar | |
| 8. | 58 - 61 | 3 | Fine sand | Good |
| 9. | 61 - 65 | 4 | Clay kankar | |
| 10. | 65 - 74* | 9 | Medium sand | Good |
| 11. | 74 - 80 | 6 | Clay kankar | |
| 12. | 80 - 91* | 11 | Medium sand & kankar | Good |
| 13. | 91 - 101 | 10 | Clay kankar | |
| 14. | 101 - 126* | 25 | Medium sand | Good |
| 15. | 126 - 130 | 4 | Clay kankar | |

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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 Good.
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



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Rhos
 N16 (SN)
 NS4000
 LAT

Logging Details
 500 m V JARVIS
 1000 m RESISTANCE
 20 m LOGGING
 20 m 2000
 2000
 *Depth Scale (m)

Logger's No.
 IGIS/S0170-11

SP (m V)
 Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

