

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A- 1858

Date:- 12-10-2023

NAME OF SITE

GRAM PANCHAYAT- Badouli Sagarpur BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

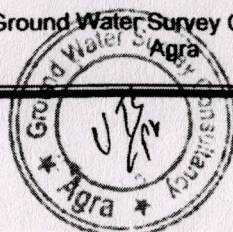
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BADOULI SAGARPUR, BLOCK- DAHAGAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 125 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 12.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:-

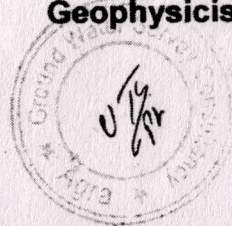
| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|--------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 15 | 10 | Dry sand | |
| 3. | 15 - 20 | 5 | Fine sand | |
| 4. | 20 - 26 | 6 | Clay kankar | |
| 5. | 26 - 37 | 11 | Medium sand | Medium |
| 6. | 37 - 44 | 7 | Clay kankar | |
| 7. | 44 - 50* | 6 | Medium sand | Medium |
| 8. | 50 - 58 | 8 | Clay kankar | |
| 9. | 58 - 70* | 12 | Medium sand | Medium |
| 10. | 70 - 75 | 5 | Clay kankar | |
| 11. | 75 - 87* | 12 | Medium sand | Medium |
| 12. | 87 - 90 | 3 | Clay kankar | |
| 13. | 90 - 102* | 12 | Medium sand | Medium |
| 14. | 102 - 122 | 20 | Clay kankar | |
| 15. | 122 - 125 | 3 | Sandy clay | |



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

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N 16(S)N
 N 64 (LN)
 LAT

Location:
 Logging ID Base:
 389909, EOCK
 Durgam Cheruvu
 Log No:
 UP LOGS/NGUP
 Date:
 12 Oct 2003
 Time:
 2004
 Operator:
 Umesh Gupta (AG)
 Well Depth:

Logger ID No:
 IGIS/S/01/21-22

SP
 Logger Model:
 DMP-L-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

