

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-N-1337

Date:- 27-02-2023

NAME OF SITE

Gram Panchayat- Vijaygadi

BLOCK- Dahagwan

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- VIJAYGADI, BLOCK- DAHAGWAN, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 116 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 27.Feb.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 - 10 | 5 | Fine sand | |
| 3. | 10 - 14 | 4 | Clay kankar | |
| 4. | 14 - 30 | 16 | Medium sand | Med to Good |
| 5. | 30 - 36 | 6 | Clay kankar | |
| 6. | 36 - 52* | 16 | Medium sand | Med to Good |
| 7. | 52 - 57 | 5 | Clay kankar | |
| 8. | 57 - 61 | 4 | Fine sand | Med to Good |
| 9. | 61 - 72 | 11 | Clay kankar | |
| 10. | 72 - 88* | 16 | Medium sand | Med to Good |
| 11. | 88 - 95 | 7 | Clay kankar | |
| 12. | 95 - 105* | 10 | Medium sand | Med to Good |
| 13. | 105 - 112 | 7 | Clay kankar | |
| 14. | 112 - 116 | 4 | Sandy clay | |



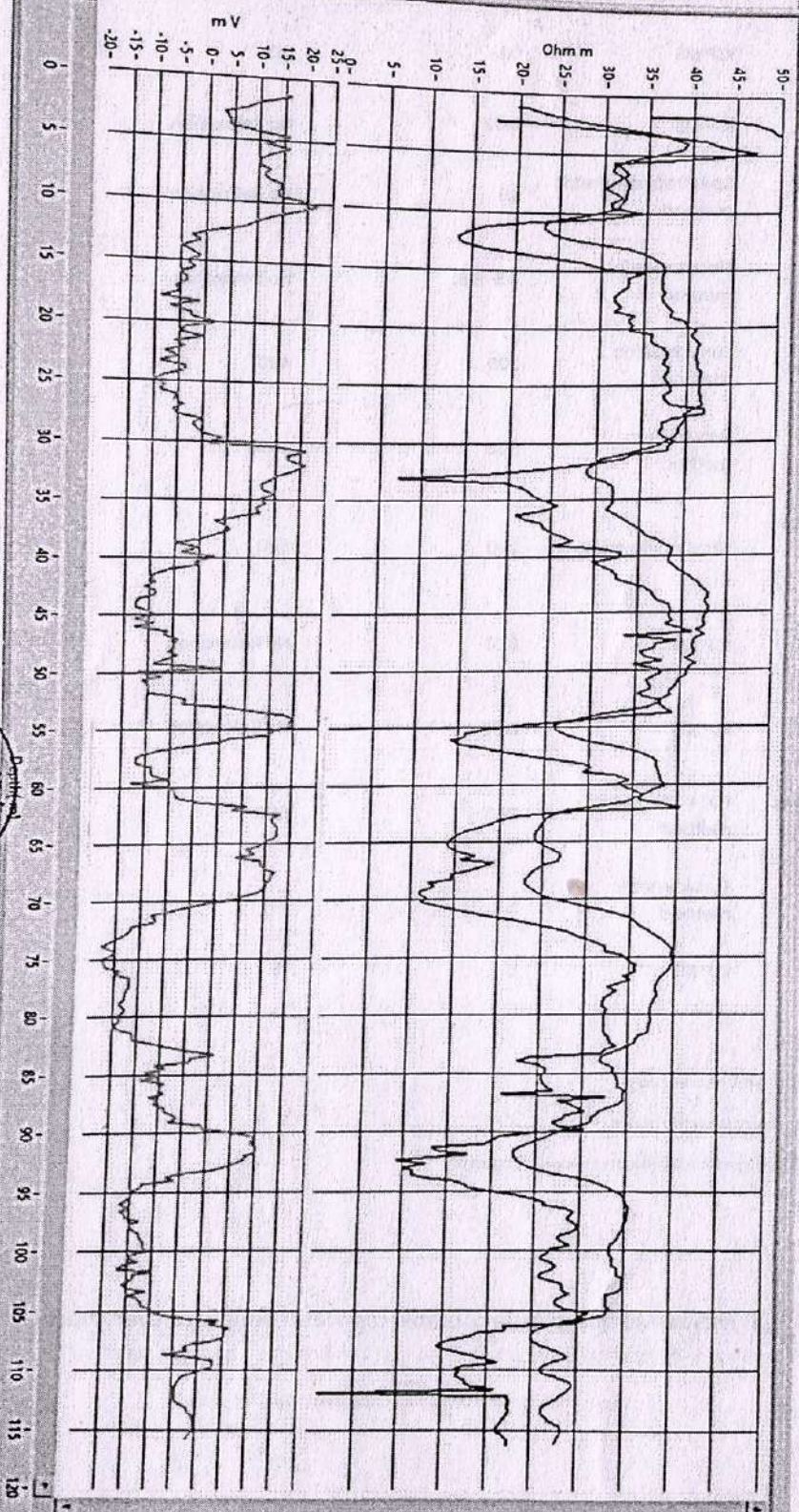
Conclusions and Recommendations :-

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 Medium to 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.



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