

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-324

Date:- 23-02-2023

NAME OF SITE

GRAM PANCHAYAT- Pansoli Mustqil BLOCK- Amaria DISTT- Pilibhit

NAME OF AGENCY

M/s Vishvaraj Environment Pvt. Ltd.



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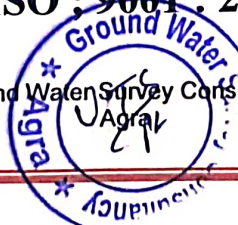
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PANSOLI MUSTQIL, BLOCK- AMARIA, DISTT- PILIBHIT
UNDER
JAL JIVAN MISSION

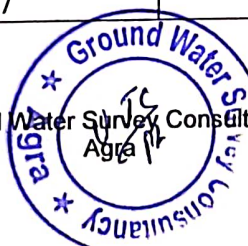
Introduction :

A Deep bore hole was drilled 158 mtrs. depth. and Logged depth 154 mtrs. at above site. Was drilled by M/s Vishvaraj Environment Pvt. Ltd.

On the request of M/s Vishvaraj Environment Pvt. Ltd. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.Feb.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 - 10 | 5 | Clay kankar | |
| 3. | 10 - 28 | 18 | Fine to Medium sand | Good |
| 4. | 28 - 36 | 8 | Clay kankar | |
| 5. | 36 - 50 | 14 | Medium sand | Good |
| 6. | 50 - 55 | 5 | Clay kankar | |
| 7. | 55 - 66* | 11 | Fine to Medium sand | Good |
| 8. | 66 - 70 | 4 | Clay kankar | |
| 9. | 70 - 98* | 28 | Medium sand | Good |
| 10. | 98 - 110 | 12 | Clay kankar | |
| 11. | 110 - 116* | 6 | Medium sand | Good |
| 12. | 116 - 120 | 4 | Kankar | |
| 13. | 120 - 130* | 10 | Medium sand & kankar | Good |
| 14. | 130 - 135 | 5 | Clay kankar | |
| 15. | 135 - 147* | 12 | Medium sand | Good |
| 16. | 147 - 154 | 7 | Clay kankar | |



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 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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N16(SN)
 N64(LN)
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GEOTECHNICAL ENGINEERING
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