



GEO - TECHNICAL  
CONSULTANT

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(Division of MACHTECH)

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## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. M/s. VTL- GAJA (JV) as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL conducted a Geophysical Continuous logging in the above borehole.

|              |  |
|--------------|--|
| Village Name | Kastuni paschim 2  |
| Block        | Musafirkhana   |
| District     | Amethi, U.P.   |
| Logged Depth | 158.9 Mtr BGL  |
| Type of Log  | Continuous well logger (SP, <del>N16</del> (SN), N64 (LN) & LAT) |
| Machine Used | IGIS   |
| Logging Date | 20.05.2023   |

The following aquifer zones have been deciphered with the help of logging machine.

| Sr. No.      | Depth Range (mtr BGL) | Thickness (mtr) | Expected Quality |
|--------------|-----------------------|-----------------|------------------|
| 1            | 20 – 23               | 3               | Good             |
| <del>2</del> | <del>29 – 44</del>    | <del>15</del>   | <del>Good</del>  |
| <del>3</del> | <del>76 – 80</del>    | <del>4</del>    | <del>Good</del>  |
| <del>4</del> | <del>104 – 110</del>  | <del>6</del>    | <del>Good</del>  |

~~Bw – 12.9 Ohm mtr and Rm – 12.5 Ohm mtr~~

Note: Below 118 MBGL the quality of the formation water is deteriorating till log depth.

- Logging performed as per SWSM guidelines  
- Groundwater quality interpreted by firm as per their logger calibration |

Gish  
22/05/23

For Geo-Technical Consultant,

Authorised Signatory