(Division of MACHTECH)

**GEO – TECHNICAL CONSULTANT** 

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar Pradesh (India)

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Ref: MTL/WL/23-24/715

GEO - TECHNICAL

CONSULTANT

Date 09.05.2024

## **REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE**

A deep borehole was drilled by working agency M/s. GAYATRI- RAMKY (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  | AHMEDABAD PIPARI TW 2                                 |  |
|---------------|---|--|
| Block         | SINGPUR   |  |
| District      | AMETHI  |  |
| Logging Depth | 173.1 MBGL  |  |
| Type of Log   | Continuous well logger (SP, N16 (SN), N64 (LN) & LAT) |  |
| Machine Used  | IGIS  |  |
| Logging Date  | 09.05.2024  |  |

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

| Sr. No. | Depth Range (mtr BGL) | Thickness<br>(mtr) | Expected Quality |
|---------|-----------------------|--------------------|------------------|
| 1       | 15 – 23               | 8                  | Good             |
| 2       | 32 – 35               | 3                  | Good             |
| 3       | 50 – 56               | 6                  | Good             |
| 4       | 65 – 76               | 11                 | Good             |
| 5       | 95 – 98               | 4                  | Good             |
| 6       | 110 - 113             | 3                  | Good             |
| 7       | 145 – 149             | 4                  | Good             |

Rw – 18.0 Ohm mtr and Rm – 10.0 Ohm mtr

Note – Below 151 MBGL to log depth not found proper granular zones and formation water quality is also deteriorating.

For Geo-Technical Consultant,



Anand Kumar (Hydrogeologist)



Authorised Signatory



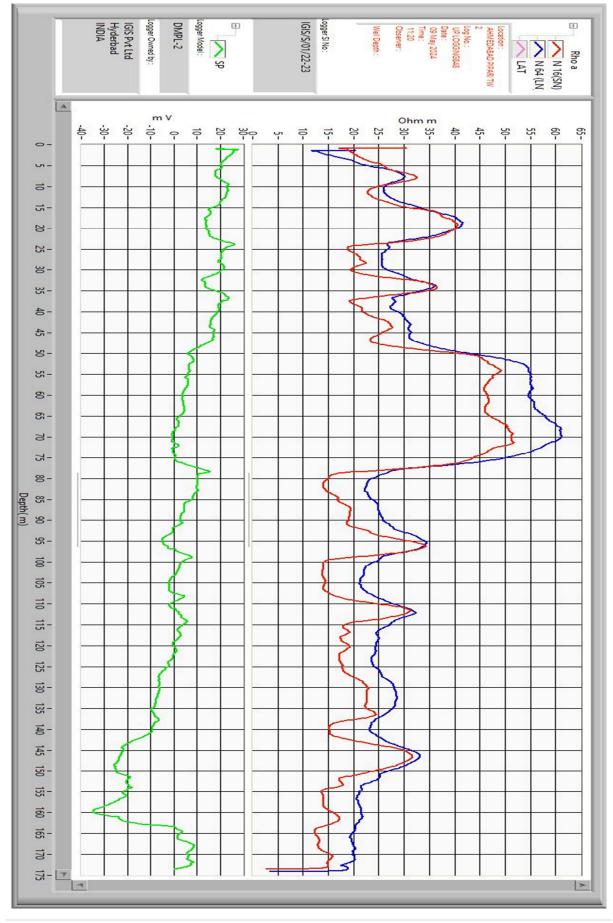
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