



GEO - TECHNICAL
CONSULTANT

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(Division of MACHTECH)
Plot no. 61 Vikaskung, Near Tower, Dibiyapur - 206244, District - Auraiya, Uttar
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Ref : MTL/WL/22-23/ 101

Date 23.10.2022

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. GVPR Engineers Limited as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SW/M, MTL conducted a Geophysical Resistivity logging in the above borehole.

| | |
|----------------|-------------------|
| Village Name | Kunwarpur Lodhpur |
| Block | Chhibramaju |
| District | Kannauj, U.P. |
| Drilling Depth | 200 Mtr BGL |
| Logged Depth | 199.5 Mtr BGL |
| Type of Log | S.P & Resistivity |
| Machine Used | IGL5 |
| Logging Date | 23.10.2022 |

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

| Sr. No. | Depth Range(mtr BGL) | Thickness (mtr) | Expected Litholog | Expected Quality |
|---------|----------------------|-----------------|---------------------------|------------------|
| 1 | 0 - 27 | | Top soil | |
| 2 | 28 - 37 | 11 | Fine Sand | Good |
| 3 | 38 - 39 | | Sand with Clay | |
| 4 | 40 - 44 | 4 | Medium Sand | Good |
| 5 | 45 - 51 | | Sand with Clay and Kankar | |
| 6 | 52 - 58 | 6 | Medium Sand | Good |
| 7 | 59 - 62 | | Sand With Clay | |
| 8 | 63 - 75 | | Clay with Kankar | |
| 9 | 76 - 80 | 4 | Medium Sand | Good |
| 10 | 81 - 91 | | Sand with Clay | |
| 11 | 92 - 98 | 6 | Fine Sand | Good |
| 12 | 99 - 110 | | Sand with Clay | |
| 13 | 111 - 123 | 12 | Medium Sand | Good |
| 14 | 124 - 137 | | Clay with Silt | |
| 15 | 138 - 145 | | Clay | |
| 16 | 146 - 153 | | Clay with kankar | |
| 17 | 154 - 167 | 13 | Medium to fine Sand | Good |
| 18 | 168 - 172 | | Clay with Silt | |
| 19 | 173 - 177 | 4 | Medium Sand | Good |
| 20 | 178 - 185 | | Clay with Silt | |
| 21 | 186 - 191 | 5 | Medium Sand | Good |
| 22 | 192 - 199.5 | | Clay | |



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