



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Badhaiya Durgwalia, Block – Nichlaul,
Distt. – Maharajganj

Drilling Depth (m) : 200.00 mbgl as reported by Driller

Logged Depth (m) : 194.10 mbgl

Date of Logging : 05.01.2024

Types of Log : S.P., Resistivity (Normal) & Natural Gamma

Logger Used : Robertson Geologging.,

Bore Hole Drilled by : Rithwik-Koya-JV.,

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

| Sl. No. | Depth Range (m, bgl) | Thickness (m) | Quality & Types of Strata | R_{mf} & R_w |
|---------|----------------------|---------------|---------------------------|---|
| 1 | 26 – 30 | 4 | Good | $R_{mf} = 17.42 \Omega m$ $R_w = 19.39 \Omega m$ |
| 2 | 32 – 42 | 10 | Good | |
| 3 | 48 – 76 | 28 | Good | |
| 4 | 112 – 115 | 3 | Good, Fine sand | |
| 5 | 130 – 134 | 4 | Good | |
| 6 | 146 – 153 | 7 | Good | |
| 7 | 180 – 186 | 6 | Good | |

Remark : 1. Almost all zones are intermixed with fine bands of kankar.



(A.K. Singh)
Geophysicist