



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Pipra, Block – Gaisari, Distt. – Balrampur

Drilling Depth (m) : 275.00 mbgl as reported by Driller

Logged Depth (m) : 239.40 mbgl

Date of Logging : 22.12.2023

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

Logger Used : Robertson Geologging.,

Bore Hole Drilled by : Jackson-Vishvaraj-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 | 22 – 32 | 10 | Good | $R_{mf} = 20.96 \Omega m$ $R_w = 22.26 \Omega m$ |
| 2 | 40 – 46 | 6 | Good | |
| 3 | 96 – 110 | 14 | Good | |
| 4 | 124 – 136 | 12 | Good | |
| 5 | 142 – 154 | 12 | Good | |
| 6 | 186 – 190 | 4 | Good | |
| 7 | 200 – 206 | 6 | Good | |
| 8 | 210 – 218 | 8 | Good | |

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

2. No proper granular zones encountered below 218 mbgl to till depth logged.



(A.K. Singh)
Geophysicist