



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Rampur Sanath, Block – Uruow, Distt. – Gorakhpur

Drilling Depth (m) : 160.00 mbgl as reported by Driller

Logged Depth (m) : 158.10 mbgl

Date of Logging : 02.12.2023

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 | 20 – 24 | 4 | Good | $R_{mf} = 14.94 \Omega m$ $R_w = 16.58 \Omega m$ |
| 2 | 32 – 36 | 4 | Good | |
| 3 | 44 – 60 | 16 | Good | |
| 4 | 88 – 98 | 10 | Good | |
| 5 | 106 – 112 | 6 | Good | |
| 6 | 124 – 140 | 16 | Good | |

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



(A.K. Singh)
Geophysicist