



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/Sultanpur/7

VTL

Date : 27.01.24

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Lohramau, Block – Dubepur
Distt. – Sultanpur
Latitude – 26.216109⁰, Longitude – 82.085162⁰

Drilling Depth : 250 mbgl as reported by Driller

Logged Depth : 245 mbgl

Date of Logging : 27.01.24

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : Uptron

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 | 35 – 50 | 15 | Good | R _{mf} = 18 Ωm R _w = 19.9 Ωm |
| 2 | 54 – 61 | 7 | Good | |
| 3 | 80 – 92 | 12 | Good | |
| 4 | 100 – 117 | 17 | Good | |
| 5 | 125 – 135 | 10 | Moderate | |

Remark: Almost all zones are intermixed with fine bands of kankar. The formation water quality is deteriorating marginal to saline below 142 mbgl to till depth logged.

CC: 1. VTL Sultanpur
2. Way Wise Global Services Pvt. Limited

Arind

(Arind Singh)
Geophysicist