



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Bardar, Block – Dhani, Distt. – Maharajganj

Drilling Depth (m) : 198.00 mbgl as reported by Driller

Logged Depth (m) : 175.00 mbgl

Date of Logging : 04.10.2023

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

Logger Used : Robertson Geologging.,

Bore Hole Drilled by: Kalpataru Power Transmission Ltd.,

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 | 32 – 38 | 6 | Good | R _{mf} = 37.17 Ωm R _w = 41.66 Ωm |
| 2 | 41 – 46 | 5 | Good | |
| 3 | 48 – 58 | 10 | Good | |
| 4 | 61 – 65 | 4 | Good, Fine Sand | |
| 5 | 70 – 74 | 4 | Good, Fine Sand | |
| 6 | 96 – 99 | 3 | Good, Fine Sand | |
| 7 | 106 – 110 | 4 | Good, Fine Sand | |
| 8 | 120 – 126 | 6 | Good | |
| 9 | 140 – 143 | 3 | Good | |

- Remark :**
1. Almost all zones are intermixed with fine bands of kankar.
 2. No proper granular zones encountered below 143 mbgl to till depth logged.



(A.K. Singh)
Geophysicist

