



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Ayodhya/118

Date : 03.01.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Siwan, Block – Rudauli
Distt. – Ayodhya

Drilling Depth : 165 mbgl as Reported by Driller

Logged Depth : ~~145~~ mbgl

Date of Logging : 03.01.23

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) | Types of strata | R_{mf} & R_w |
|--------------|----------------------|---------------|--|---|
| 1 | 22 – 32 | 10 | Good | $R_{mf} = 22.9 \Omega m$ $R_w = 24.4 \Omega m$ |
| 2 | 44 – 57 | 13 | Good | |
| 3 | 65 – 73 | 8 | Good | |
| 4 | 80 – 91 | 11 | Good, intermixed kankar bands | |
| 5 | 95 – 100 | 5 | Good | |
| 6 | 110 – 122 | 12 | Good | |
| <u>7</u> | <u>130 – 140</u> | <u>5</u> | <u>Good, highly kankar mixed</u> | |

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

CC : M/S Universal MEP Projects& Engg.Service Ltd. Ayodhya

*Verified as per
logs provided.
G.S.
04/01/23*

Arind

(A.K. Singh)
Geophysicist