



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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Ref: GIC/JJM/ Balrampura/126

Date : 25.02.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Bankatwa, Block – Utraula
Distt. – Balrampur

Drilling Depth : 175 mbgl as Reported by Driller

Logged Depth : ~~170~~ mbgl

Date of Logging : 25.02.23

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 | 20 – 39 | 9 | Good, Fine to medium sand | $R_{mf} = 28.9 \Omega m$ |
| 2 | 45 – 58 | 13 | Good, Fine to medium sand | $R_w = 30.1 \Omega m$ |
| 3 | 68 – 75 | 7 | Good, Fine to medium sand | |
| 4 | 81 – 84 | 3 | Good, Fine to medium sand | |
| 5 | 86 – 96 | 10 | Good, Fine to medium sand | |
| 6 | 109 – 112 | 3 | Good, Fine to medium sand | |
| 7 | 120 – 124 | 4 | Good, Fine to medium sand | |
| 8 | 140 – 160 | 20 | Good, Fine to medium sand | |

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

114-117 (3m)

Verified as per logs provided.

G.S.H.
27/02/23