



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

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Ref: GIC/JJM/ Balrampur/385

Date : 06.11.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Sahajana, Block – Harraiya Satgharwa
Distt - Balrampur

Drilling Depth : 275 mbgl as Reported by Driller

Logged Depth : 270 mbgl

Date of Logging : 06.11.23

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

Logger Used : Upron

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 | 55 – 60 | 5 | Good, Fine to medium sand | R _{mf} = 21 Ωm R _w = 23 Ωm |
| 2 | 80 – 88 | 8 | Good, Fine to medium sand | |
| 3 | 109 – 117 | 8 | Good, Fine to medium sand | |
| 4 | 145 – 149 | 4 | Good, Fine to medium sand | |
| 5 | 160 – 170 | 10 | Good, Fine to medium sand | |
| 6 | 178 – 185 | 7 | Good, Fine to medium sand | |
| 7 | 204 – 208 | 4 | Good, Fine to medium sand | |
| 8 | 219 – 223 | 4 | Good, Fine to medium sand | |
| 9 | 228 – 233 | 5 | Good, Fine to medium sand | |
| 10 | 235 – 238 | 3 | Good, Fine to medium sand | |
| 11 | 247 – 254 | 7 | Good, Fine to medium sand | |

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

CC: Executive Engineer (E/M) U P Jal Nigam (Gramin), Gond

Drink

(A.K. Singh)
Geophysicist