



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/411

Date : 10.12.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Gaura Bhari, Block – Pachpedwa
Distt - Balrampur

Drilling Depth : 275 mbgl as Reported by Driller

Logged Depth : 270 mbgl

Date of Logging : 10.12.23

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 | 30 – 43 | 13 | Good, Fine to medium sand | R _{mf} = 23 Ωm R _w = 24 Ωm |
| 2 | 54 – 65 | 11 | Good, Fine to medium sand | |
| 3 | 83 – 95 | 12 | Good, Fine to medium sand | |
| 4 | 115 – 126 | 11 | Good, Fine to medium sand | |
| 5 | 137 – 142 | 5 | Good, Fine to medium sand | |
| 6 | 189 – 203 | 14 | Good, Fine to medium sand | |
| 7 | 206 – 215 | 9 | Good, Fine to medium sand | |
| 8 | 220 – 228 | 8 | Good, Fine to medium sand | |

Remark : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 228 mbgl to till depth logged.

CC: 1. Executive Engineer (E/M) U P Jal Nigam (Gramin), Gonda

Drink

(A.K. Singh)
Geophysicist