



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/372

Date : 27.10.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Belwa Sultanjot, Block – Balrampur
Distt - Balrampur

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : 165 mbgl

Date of Logging : 27.10.23

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 | 25 – 40 | 15 | Good, Fine to medium sand | R _{mf} = 24 Ωm R _w = 27 Ωm |
| 2 | 45 – 52 | 7 | Good, Fine to medium sand | |
| 3 | 64 – 72 | 8 | Good, Fine to medium sand | |
| 4 | 76 – 83 | 7 | Good, Fine to medium sand | |
| 5 | 85 – 91 | 6 | Good, Fine to medium sand | |
| 6 | 93 – 99 | 6 | Good, Fine to medium sand | |
| 7 | 112 – 133 | 21 | Good, Fine to medium sand | |
| 8 | 137 – 146 | 9 | Good, Fine to medium sand | |
| 9 | 150 – 154 | 4 | Good, Fine to medium sand | |

Remark : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 154 mbgl to till depth logged.

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

Drink

(A.K. Singh)
Geophysicist