



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/186

Date : 14.04.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Mahrajganj, Block – Balrampur
District - Balrampur

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : 165 mbgl

Date of Logging : 14.04.23

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 | 27 – 38 | 11 | Good, Fine to medium sand | R _{mf} = 22 Ωm R _w = 23.6 Ωm |
| 2 | 40 – 45 | 5 | Good, Fine to medium sand | |
| 3 | 50 – 55 | 5 | Good, Fine to medium sand | |
| 4 | 57 – 62 | 5 | Good, Fine to medium sand | |
| 5 | 65 – 73 | 8 | Good, Fine to medium sand | |
| 6 | 77 – 90 | 13 | Good, Fine to medium sand | |
| 7 | 95 – 100 | 5 | Good, Fine to medium sand | |
| 8 | 110 – 114 | 4 | Good, Fine to medium sand | |
| 9 | 124 – 128 | 4 | Good, Fine to medium sand | |
| 10 | 133 – 136 | 3 | Good, Fine to medium sand | |
| 11 | 140 – 146 | 6 | Good, Fine to medium sand | |
| 12 | 151 – 154 | 3 | Good, Fine to medium sand | |

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

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

Verified, proper logs provided
Note - Sr No 4 - 57-61 (4m)
G. Ch
15/04/23

