



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/101

Date : 07.02.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Ambar Nagar , Block – Harraiya Satgharwa
Distt. – Balrampur

Drilling Depth : 275 mbgl as Reported by Driller

Logged Depth : ~~270~~ mbgl

Date of Logging : 07.02.23

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) | Probable Lithology | Remarks | R_{mf} & R_w |
|---------------|----------------------|---------------|--------------------------------|-----------------|--|
| 1 | 32 – 41 | 9 | Fine to medium sand | Good | $R_{mf} = 26.3 \Omega m$ |
| 2 | 62 – 80 | 18 | Fine to medium sand | Good | $R_w = 27.9 \Omega m$ |
| 3 | 94 – 103 | 9 | Fine to medium sand | Good | |
| 4 | 110 – 115 | 5 | Fine to medium sand | Good | |
| 5 | 120 – 125 | 5 | Fine to medium sand | Good | |
| 6 | 130 – 138 | 8 | Fine to medium sand | Good | |
| 7 | 145 – 152 | 7 | Fine to medium sand | Good | |
| 8 | 164 – 180 | 16 | Fine to medium sand | Good | |
| 9 | 188 – 196 | 8 | Fine to medium sand | Good | |
| 10 | 220 – 233 | 13 | Fine to medium sand | Good | |
| 11 | 238 – 245 | 7 | Fine to medium sand | Good | |
| 12 | 254 – 257 | 3 | Fine to medium sand | Good | |

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

Verified as per
logs provided.
Note - Sr No 2-62-78
(16m)
Sr No 12-255-258
(3m)
G.Sh
00/02/23



(A.K. Singh)
Geophysicist