



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/203

Date : 23.04.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Pipara Ram, Block - Utraula
Distt. - Balrampur

Drilling Depth : 165 mbgl as Reported by Driller

Logged Depth : 155 mbgl

Date of Logging : 23.04.23

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) | Probable Lithology | Remarks | R_{mf} & R_w |
|---------|----------------------|---------------|---------------------|---------|---|
| 1 | 30 - 39 | 9 | Fine to medium sand | Good | $R_{mf} = 22 \Omega m$ $R_w = 23.2 \Omega m$ |
| 2 | 43 - 46 | 3 | Fine to medium sand | Good | |
| 3 | 55 - 65 | 10 | Fine to medium sand | Good | |
| 4 | 68 - 75 | 7 | Fine to medium sand | Good | |
| 5 | 80 - 83 | 3 | Fine to medium sand | Good | |
| 6 | 85 - 92 | 7 | Fine to medium sand | Good | |
| 7 | 96 - 100 | 4 | Fine to medium sand | Good | |
| 8 | 106 - 109 | 3 | Fine to medium sand | Good | |
| 9 | 112 - 120 | 8 | Fine to medium sand | Good | |
| 10 | 127 - 133 | 6 | Fine to medium sand | Good | |
| 11 | 137 - 141 | 4 | Fine to medium sand | Good | |

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

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

Verified as per logs provided

GSh
24/04/23

Plc

(A.R. Singh)
Geophysicist