



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)
9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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Ref: GIC/IJM/ Shrivasti/87

Date : 17.05.23

GEPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village -Madhawapur, Block - Sirsiya
District - Shrivasti

Drilling Depth : 168 mbgl as Reported by Driller

Logged Depth : 165 mbgl

Date of Logging : 17.05.23

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_{surf} & R_{lr} |
|---------|----------------------|---------------|-----------------------------------|---------|---|
| 1 | 39 - 42 | 3 | Fine to medium sand | Good | $R_{surf} = 22.1 \text{ Ohm}$ |
| 2 | 47 - 50 | 3 | Fine to medium sand | Good | $R_{lr} = 25 \text{ Ohm}$ |
| 3 | 60 - 64 | 4 | Fine to medium sand | Good | |
| 4 | 96 - 105 | 9 | Fine to medium sand | Good | |
| 5 | 115 - 118 | 3 | Fine to medium sand | Good | |
| 6 | 132 - 138 | 6 | Fine to medium sand, kankar mixed | Good | |
| 7 | 142 - 145 | 3 | Fine to medium sand | Good | |
| 8 | 160 - 164 | 4 | Fine to medium sand | Good | |

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

CC: Executive Engineer (EM Div.) U P Jal Nigam (Gramin) Gonda

Verified and found correct
18/05/23

