



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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Ref: GIC/JJM/ Sitapur/552

Date : 11.04.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Vill. – Magraura, Block - Kasmanda
Distt. – Sitapur

Drilling Depth : 165 mbgl – as reported by driller

Logged Depth : ~~155~~ mbgl | 50

Date of Logging : 11.04.23

Types of Log : ~~S.P.~~ & Resistivity (Normal & Lateral)

Logger Used : ~~IGIS~~

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

| Sl. No. | Depth Range (m, bgl) | Thickness (m) | Quality & Types of strata | R_{mf} & R_w |
|--------------|----------------------|---------------|---------------------------|---|
| 1 | 37 – 43 | 6 | Good | $R_{mf} = 23.8 \Omega m$ $R_w = 25 \Omega m$ |
| 2 | 47 – 53 | 6 | Good | |
| 3 | 72 – 81 | 9 | Good | |
| 4 | 90 – 105 | 15 | Good | |
| 5 | 107 – 115 | 8 | Good | |
| 6 | 126 – 129 | 3 | Good | |
| 7 | 134 – 142 | 8 | Good | |

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

CC :
I.M/S NCC Sitapur

Verified as per logs provided.
G. S. Singh
12/04/23

Arish

(A.K. Singh)
Geophysicist