



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/372

Date : 09.01.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Vill. – Khatkari, Block - Ailiya
Distt. – Sitapur

Drilling Depth : 170 mbgl – as reported by driller

Logged Depth : ~~160~~ mbgl

Date of Logging : 09.01.23

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 | 23 – 30 | 7 | Good | $R_{mf} = 26.1 \Omega m$ |
| 2 | 37 – 51 | 14 | Good | $R_w = 27.7 \Omega m$ |
| 3 | 57 – 61 | 4 | Good, Finer sediments | |
| 4 | 75 – 79 | 4 | Good, Finer sediments | |
| 5 | 87 – 96 | 9 | Good | |
| 6 | 105 – 115 | 10 | Good, Intermixed fine bands of kankar | |
| 7 | 122 – 140 | 18 | Good, Intermixed fine bands of kankar | |

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

CC:
I.M/S NCC Sitapur

*Verified as per logs provided.
Note - sr no 6 and 7 are highly kankar intermixed and sr no 7 - 124 - 140 (16m)*
G.S.
10/01/23



(A.K. Singh)
Geophysicist