GROUND WATER INVESTIGATION CEN

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/Sultanpur/2 Date : 22.07.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Lotiya, Block – Lambhua
Distt. – Sultanpur

Drilling Depth : 405 mbgl as reported by Driller

Logged Depth : 400 mbgl

Date of Logging : 22.07.22

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)	Quality &Types of strata	R_{mf} & R_w
1	25 - 43	18	Good, Intermixed with fine bands of kankar	R_{mf} = 22.9 Ωm
2	60 – 72	12	Good	R_w = 24.6 Ωm
3	77 – 80	3	Good	
4	83 – 86	3	Good	
5	97 – 103	6	Good, Fine sand	
6	110 – 115	5	Good, Fine sand	
7	188 – 202	14	Moderate	
8	248 – 253	5	Good to moderate	
9	287 – 298	11	Good to moderate	

Remark: The formation water quality is deteriorating in between 119 to 175 Mbgl and further below 300 Mbgl to till depth logged.

Verified as per logs provided.

G.S.
ASSISTANT HYDROGEOLOGIST
ZILA PANCHAYAT
PRAYAGRAJ

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