



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/368

Date : 26.10.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Bardaulia, Block – Harraiya Satgharwa
Distt - Balrampur

Drilling Depth : 280 mbgl as Reported by Driller

Logged Depth : 275 mbgl

Date of Logging : 26.10.23

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)	Types of strata	R_{mf} & R_w
1	40 – 45	5	Good, Fine to medium sand	$R_{mf} = 21 \Omega m$ $R_w = 23 \Omega m$
2	84 – 90	6	Good, Fine to medium sand	
3	107 – 115	8	Good, Fine to medium sand	
4	134 – 140	6	Good, Fine to medium sand	
5	158 – 165	7	Good, Fine to medium sand	
6	170 – 175	5	Good, Fine to medium sand	
7	200 – 207	7	Good, Fine to medium sand	
8	210 – 216	6	Good, Fine to medium sand	
9	230 – 245	15	Good, Fine to medium sand	

Remark : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 245 mbgl to till depth logged.

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

Drink

(A.K. Singh)
Geophysicist