



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Balrampur/390

Date : 07.11.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

**Drilling Depth** : 275 mbgl as Reported by Driller

**Logged Depth** : 265 mbgl

**Date of Logging** : 07.11.23

**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 <sub>mf</sub> & R <sub>w</sub>
1	65 – 80	15	Good, Fine to medium sand	R <sub>mf</sub> = 23 Ωm R <sub>w</sub> = 24 Ωm
2	90 – 97	7 ✓	Good, Fine to medium sand	
3	114 – 120	6	Good, Fine to medium sand	
4	130 – 148	18 ✓	Good, Fine to medium sand	
5	165 – 169	4	Good, Fine to medium sand	
6	181 – 187	6	Good, Fine to medium sand	
7	211 – 220	9 ✓	Good, Fine to medium sand	
8	225 – 233	8	Good, Fine to medium sand	
9	255 – 259	6	Good, Fine to medium sand	

**Remark** : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 259 mbgl to till depth logged.

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

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