



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampur/393

Date : 10.11.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Pasiya Kalan, Block – Tulsipur  
Distt - Balrampur

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

**Logged Depth** : 260 mbgl

**Date of Logging** : 10.11.23

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

**Logger Used** : Upton


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	30 – 41	11	Good, Fine to medium sand	$R_{mf} = 20 \Omega m$ $R_w = 22 \Omega m$
2	45 – 50	5	Good, Fine to medium sand	
3	62 – 83	21	Good, Fine to medium sand	
4	90 – 97	7	Good, Fine to medium sand	
5	102 – 110	8	Good, Fine to medium sand	
6	115 – 126	11	Good, Fine to medium sand	
7	133 – 141	8	Good, Fine to medium sand	
8	160 – 175	15	Good, Fine to medium sand	
9	182 – 187	5	Good, Fine to medium sand	
10	207 – 220	13	Good, Fine to medium sand	
11	225 – 243	18	Good, Fine to medium sand	

**Remark** : Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 243 mbgl to till depth logged.

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