



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Balrampura/271

Date : 20.06.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Karmaiti, Block – Harraiya Satgharwa  
District - Balrampur

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

**Logged Depth** : 258 mbgl

**Date of Logging** : 20.06.23

**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	45 – 51	6	Good, Fine to medium sand	R <sub>mf</sub> = 22 Ωm
2	70 – 77	7	Good, Fine to medium sand	R <sub>w</sub> = 24.1 Ωm
3	90 – 93	3	Good, Fine to medium sand	
4	105 – 115	10	Good, Fine to medium sand	
5	125 – 132	7	Good, Fine to medium sand	
6	135 – 143	8	Good, Fine to medium sand	
7	147 – 155	8	Good, Fine to medium sand	
8	160 – 165	5	Good, Fine to medium sand	
9	170 – 173	3	Good, Fine to medium sand	
10	180 – 187	7	Good, Fine to medium sand	
11	193 – 198	5	Good, Fine to medium sand	
12	207 – 217	10	Good, Fine to medium sand	
13	224 – 245	21	Good, Fine to medium sand – Highly Kankar Intermixed	

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

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

Verified as per  
logs provided.

G.S.H.  
21/06/23

  
  
(A.K. Singh)  
Geophysicist