



# GEOTECH ENTERPRISE

**A Ground Water Exploration Technic's & Consultancy Service**

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Ref./ UP-185/ 01 – 2024

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## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : **Madarpur**  
Block : **Sadar**  
District : **Ghazipur**  
State : **Uttar Pradesh**  
Date of Logging : **05-01-2024**  
Drilling Depth : **275.0 m bgl**  
Logging Depth : **231.0 m bgl**  
Rm / Rw : **18.0 ohm.m / 20.0 ohm.m**  
Representative : **GEE Tech Foundation**  
Borehole Drilled by : **L & T Construction, Ghazipur, U.P.**

Based on the interpretation of **Self Potential (SP)**, **Short Normal (N – 16")**, **Long Normal (N – 64")** and **Lateral 6'** Geophysical Logs, following information/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
01	21 – 27	06	Good
02	29 – 45	16	Good
03	49 – 55	06	Moderate
04	65 – 77	12	Good
05	79 – 85	06	Good
06	128 – 135	07	Good
07	154 – 163	09	Moderate
08	205 – 213	09	Moderate
09	215 – 223	08	Moderate

Note:

- 1) Fine bands of Kankar are intermixed with almost all zones
- 2) The formation water is deteriorating at depth range between 57.0 to 64.0 m bgl, 93.0 to 119.0 m bgl, 175.0 to 198.0 m bgl and 225.0 to 229.0 m bgl
- 3) Predominant clay is present at depth between 45.0 to 47.0 m bgl, 59.0 to 63.0 m bgl and 146.0 to 149.0 m bgl
- 4) Please ensure pre – monsoon water level before lowering the well assembly



For Geotech Enterprise

Avinash Goswami

Geologist