



GEOTECH ENTERPRISE

A Ground Water Exploration Technic's & Consultancy Service

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Ref./ UP-188/ 01 – 2024

Dated: 07-01-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : **Parawa**
Block : **Manihari**
District : **Ghazipur**
State : **Uttar Pradesh**
Date of Logging : **06-01-2024**
Drilling Depth : **125.0 m bgl**
Logging Depth : **122.0 m bgl**
Rm / Rw : **14.0 ohm.m / 14.0 ohm.m**
Borehole Drilled by : **HFCL-JWIL-JV, 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	18 – 32	14	Good
02	37 – 43	06	Good
03	45 – 49	04	Moderate
04	99 – 105	06	Good
05	107 – 113	06	Moderate

Note:

- 1) **Fine bands of Kankar are intermixed with almost all zones**
- 2) **The formation water may deteriorate to Marginal – Saline at depth range between 51.0 to 91.0 m bgl**
- 3) **Predominant clay is present at depth between 76.0 to 81.0 m bgl and 89.0 to 91.0 m bgl**
- 4) **Please ensure pre – monsoon water level before lowering the well assembly**



For Geotech Enterprise

Avinash Goswami

Geologist



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