



# GEOTECH ENTERPRISE

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

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Ref./ UP-260/ 02 – 2024

Dated: 12-02-2024

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Naharmau  
Block : Sujanganj  
District : Jaunpur  
State : Uttar Pradesh  
Date of Logging : 11-02-2024  
Drilling Depth : 310.0 m bgl  
Logging Depth : 308.0 m bgl  
Borehole Drilled by : AFCONS Infrastructure Ltd., Jaunpur, 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	20 – 32	12	Good
02	46 – 53	07	Good
03	137 – 143	06	Moderate
04	163 – 169	06	Moderate
05	176 – 181	05	Moderate
06	195 – 205	10	Moderate
07	209 – 219	10	Moderate
08	223 – 229	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 ranges between 57.0 to 135.0 m bgl, 151.0 to 161.0 m bgl and 239.0 m bgl till depth logged
- 3) Predominant clay may be present at depth range between 125.0 to 129.0 m bgl
- 4) Please ensure pre – monsoon water level before lowering the well assembly



For Geotech Enterprise

Avinash Goswami

Geologist