



GEOTECH ENTERPRISE

A Ground Water Exploration Technic's & Consultancy Service

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Ref./ UP-173/ 12 – 2023

Dated: 27-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Diyan
Block : Dhanapur
District : Chandauli
State : Uttar Pradesh
Date of Logging : 27-12-2023
Drilling Depth : 185.0 m bgl
Logging Depth : 177.0 m bgl
Rm / Rw : 21.0 Ω .m / 20.0 Ω .m
Borehole Drilled by : Ion Exchange Ltd., Chandauli, 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 – 29	09	Good
02	35 – 41	06	Moderate
03	63 – 75	12	Good
04	77 – 85	08	Good
05	87 – 99	12	Good
06	104 – 113	09	Good
07	115 – 123	08	Good
08	131 – 137	06	Good
09	141 – 153	12	Good
10	157 – 165	08	Good
11	167 – 175	08	Good

Note:

- 1) Fine bands of Kankar are intermixed in almost all zones
- 2) The formation water is deteriorated at depth range between 43.0 to 59.0 m bgl
- 3) Predominated clay is present at depth 47.0 to 51.0 m bgl
- 4) Please ensure pre – monsoon water level before lowering the well assembly



Avinash Goswami

Geologist

For Geotech Enterprise