



GEOTECH ENTERPRISE

A Ground Water Exploration Technic's & Consultancy Service

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Ref./ UP-157/ 12 – 2023

Dated: 21-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Rampur Barahani ARO Scheme
Block : Bearahani
District : Chandauli
State : Uttar Pradesh
Date of Logging : 21-12-2023
Drilling Depth : 165.0 m bgl
Logging Depth : 159.0 m bgl
Rm / Rw : 15.0 Ω .m / 18.0 Ω .m
Representative : M/s Nisha Enterprises
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	15 – 25	10	Good
02	37 – 49	12	Good
03	51 – 57	06	Good
04	59 – 67	08	Good
05	69 – 75	06	Good
06	77 – 83	06	Good
07	89 – 101	12	Good
08	103 – 109	06	Good
09	111 – 119	08	Good
10	122 – 128	06	Good
11	131 – 137	06	Good
12	139 – 147	08	Good
13	149 – 157	08	Good

Note:

- 1) Fine bands of Kankar are present in almost all zones
- 2) Predominant clay is present at depth ranges between 29.0 to 33.0 m bgl and 85.0 to 87.0 m bgl
- 3) Please ensure pre – monsoon water level before lowering the well assembly



Avinash Goswami

For Geotech Enterprise

Geologist



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