

Ref:GIT:UP:23-24:LS: 169  
Dated: 23-05-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sujauli**  
Block: **Kunda**  
District: **Pratapgarh**  
State: **Uttar Pradesh**  
Logging depth: **197.0 m bgl**  
Date of logging: **23-05-2023**  
Rm - **15.0  $\Omega$ m** Rw - **11.0  $\Omega$ m**

Borewell Drilled By: M/s Power Mech. Project Ltd., Pratapgarh, U.P.

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

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	30 - 34	04	Good
2.	37 - 41	04	Good
3.	60 - 64	04	Moderate
4.	83 - 90	07	Moderate
5.	115 - 121	06	Good
6.	132 - 136	04	Good
7.	138 - 142	04	Good
8.	145 - 148	03	Good
9.	150 - 156	06	Good
10.	160 - 166	06	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zones Sl. No. 6, 7 & 10 are highly intermixed with fine bands of kankar.  
3. Quality of ground water is deteriorating marginal to saline below 180.0 m bgl to till depth logged.  
4. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per  
logs provided

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*G.Sh*  
23/05/23