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Ref. No. : AGS/EL/2023/PRGH-142

Date : 11/10/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Pahadpur Gajehda
Location : 25.788717, 81.938430
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 246 Mbgl
Rm/Rw : 14/12
Date of Logging : 10-Oct-2023
Logged By : Mr. Sanjeet Sharma (Hydrogeologist)
Logger Make : GIT
Tubewell Drilled By : M/S Kalptaru Projects International Ltd, Pratapgarh Uttar Pradesh
Representative : M/S Amrendra Enterprises


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 (mbgl)	Thickness (meters)	Quality Remarks (in term of Salinity)
1	29-33	4	Good
2	42-46	4	Moderate
3	126-136	10	Moderate
4	157-171	14	Good
5	185-188	3	Good
6	206-209	3	Good
7	213-216	3	Good
8	223-227	4	Good
9	235-237	2	Moderate

Note: 1- All zones are intermixed with thin bands of kankar.

2- Sr no 2 fine sand in nature.

3- The formation water quality is deteriorating in between 66-110 Mbgl and a clay kankar intercalation is present in between 112-126Mbgl


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Sanjeet Sharma
(Hydrogeologist)