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Ref. No. : AGS/EL/2023/ PRGH -199

Date : 02/12/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Bharatpur Buapur
Location : 25.815799, 81.907202
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 234 Mbgl
Rm/Rw : 19/16
Date of Logging : 01-Dec-2023
Logged By : Mr. Shobhit Srivastava(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	24-27	3	Good
2	50-53	3	Good
3	82-89	7	Good
4	92-96	4	Good
5	157-164	7	Moderate
6	216-219	3	Moderate
7	222-225	3	Moderate

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

2 – The formation water quality is deteriorating from marginal to saline in between 101-151Mbgl.

3- Prominent Clay Kankar intercalation present in between 151-157 and 170-178Mbgl.

4- In between 178-214Mbgl no proper granular zones encountered (Fine to very Fine Sand highly intermixed with thin bands of kankar and fine sediment)


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(Hydrogeologist)

