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Ref. No. : AGS/EL/2023/PRGH-88
Date : 23/08/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Dhema
Location : 25.746713, 81.829096
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 224Mbgl
Rm/Rw : 09/10
Date of Logging : 22-August-2023
Logged By : Mr. Shobhit Srivastava (Hydrogeologist)
Logger Make : GIT
Tubewell Drilled By : M/S Kalpataru Projects International Limited, Uttar Pradesh
Representative : M/S Navya infratech, Pratapgarh, Uttar Pradesh

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 | 10-14 | 4 | Good |
| 2 | 30-45 | 15 | Good |
| 3 | 176-186 | 10 | Moderate to Marginal |
| 4 | 192-202 | 10 | Moderate to Marginal |

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

2- The formation water quality is deteriorating from Marginal to saline in between 56-130 mbgl and below 208Mbgl.

3- A clay kankar intercalation lies in between 130-146 mbgl.


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Sanjeet Sharma
(Hydrogeologist)