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Ref. No. : AGS/EL/2024/ PRGH –264
Date : 14/01/2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Chaghaipur
Location : 25.781863, 81.921039
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 253 Mbgl
Rm/Rw : 22/25
Date of Logging : 13-Jan-2024
Logged By : Mr. Sadik Sheikh (Wellsite Geologist)
Logger Make : GIT
Tubewell Drilled By : M/S Kalptaru Project 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	18-35	17	Good
2	44-48	4	Good
3	164-168	4	Moderate
4	178-185	7	Good
5	192-196	4	Good
6	201-204	3	Good
7	213-217	4	Good
8	222-226	4	Moderate
9	230-232	2	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 59-150Mbgl and further below 239Mbgl.

3- A clay kankar intercalation present in between 150-154Mbgl.

4- Sr no 2 and 3 are highly kankar intermixed.


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Sanjeet Sharma
(Hydrogeologist)

