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Ref. No. : AGS/EL/2023/PRGH-173

Date : 04/11/2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site Name : Ramnagar
Location : 25.758308, 81.828924
Block : Mandhata
District : Pratapgarh
State : Uttar Pradesh
Logging Depth : 215 Mbgl
Rm/Rw : 16/17
Date of Logging : 03-Nov-2023
Logged By : Mr. Sadik Sheikh (Wellsite Geologist)
Logger Make : GIT
Tubewell Drilled By : M/S Kalptaru Projects International Ltd, Pratapgarh Uttar Pradesh
Representative : M/S Bhagwati Traders

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	22-25	3	Good
2	45-48	3	Moderate
3	158-162	4	Moderate
4	170-173	3	Moderate
5	180-187	7	Good to Moderate

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


2- Sr no 3 and 4 are fine sand in nature.

3- Sr no 4 is kankar intermixed.

4- The formation water quality is deteriorating from marginal to saline in between 60-130Mbgl.

5- A clay kankar intercalation present in between 130-150 Mbgl.

6- No proper granular zones encountered below 187Mbgl to till depth logged.


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Sanjeet Sharma
(Hydrogeologist)

