

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Uptron Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref:GIT:UP:23-24:LS: 79
Dated: 25-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Barai
Block: Kunda
District: Pratapgarh
State: Uttar Pradesh
Logging depth: 243.0 m bgl
Date of logging: 24-04-2023

Borewell Drilled By: M/s K.P.T.L Pratapgarh. U.P. India.


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 (m bgl) | Thickness (meters) | Remarks (Quality of aquifer water) |
|----------------|---------------------|--------------------|------------------------------------|
| 1. | 50 - 60 | 10 | Good |
| 2. | 62 - 66 | 04 | Good |
| 3. | 81 - 88 | 07 | Good |
| 4. | 92 - 96 | 04 | Good |
| 5. | 100 - 113 | 13 | Good |
| 6. | 116 - 123 | 07 | Good |
| 7. | 126 - 130 | 04 | Good |
| 8. | 133 - 137 | 04 | Good |
| 9. | 146 - 150 | 04 | Good |
| 10. | 166 - 174 | 08 | Good |
| 11. | 180 - 193 | 13 | Good |
| 12. | 196 - 200 | 04 | Good |

- Note: 1. ~~Fine bands of kankar are intermixed with almost all the zones.~~
2. ~~Zone Sl. No. 4, 5, 7, 9 & 10 are highly intermixed with fine bands of kankar.~~
3. ~~Quality of ground water is deteriorating in between 16.0 to 36.0 & below 224.0 m bgl to till depth logged.~~
4. ~~Predominated Clay is present in depth range 36.0 to 45.0 m bgl.~~

Verified as per logs provided

For Geo Instruments & Technic's


(S. Shukla)

G.Sh
26/04/23