

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: PJM:23-24:LS: 499
Dated: 19-05-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Bardaha**
Block: **Nawabganj**
District: **Bahraich**
State: **Uttar Pradesh**
Date of Logging: **18-05-2023**
Drilling depth: **220.0 m bgl**
Logging Depth: **214.0 m bgl**

Borehole Drilled by: M/s R. R. Interprises Pvt. Ltd., Bahraich, U. P.

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.	05 - 15	10	Surface Soil
2.	15 - 25	10	Sand Highly Intermixed with Kankar
3.	25 - 39	14	Clay
4.	39 - 46	07	Sand intermixed with fine bands of kankar
5.	46 - 49	03	Sandy Clay
6.	49 - 56	07	Sand highly intermixed with kankar
7.	56 - 72	16	Sandy Clay
8.	72 - 76	04	Sand
9.	76 - 84	08	Predominated Clay
10.	84 - 88	04	Sand
11.	88 - 96	08	Sandy Clay
12.	96 - 100	04	Sand intermixed with kankar
13.	100 - 110	10	Fine sand, kankar and Sandy clay intermixed
14.	110 - 114	04	Sand
15.	114 - 123	09	Clay
16.	123 - 130	07	Sand
17.	130 - 137	07	Clay
18.	137 - 144	07	Sand highly intermixed with fine

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19.	144 - 147	03	bands of kankar
20.	147 - 150	03	Sandy Clay
21.	150 - 156	06	Sand
22.	156 - 159	03	Predominated Clay
23.	159 - 160	01	Sand
24.	160 - 166	06	Clay - FINE SEDIMENTS
25.	166 - 171	05	Sand
26.	171 - 174	03	Clay - F.S
27.	174 - 182	08	Sand
28.	182 - 188	06	Sand and Clay intercalation
29.	188 - 194	06	Sandy Clay
30.	194 - 203	09	Sand highly kankar intermixed
31.	203 - 207	04	Sand, Clay and kankar intercalation
32.	207 - 210	03	Clay - F.S
33.	210 - 214	04	Fine sand highly kankar intermixed
			Sandy Clay

JUNIOR ENGINEER
DIVISION OFFICE (EM)
U.P. JAL NIGAM RURAL GON

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Verified as per logs provided

For Geo Instruments & Technic's

Ggl
20/05/23

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(S. Shukla)