

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:K- 551

Dated: 28-12-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Kurahava Khurd**
Block: **Nautanwa**
District: **Maharajganj**
State: **Uttar Pradesh**
Date of Logging: **27-12-2023**
Drilling Depth: **255.0 m bgl**
Logging Depth: **228.0 m bgl**
Rm – **21.0 Ωm** Rw – **20.0 Ωm**

Latitude: **27.355079**

Longitude: **83.372398**

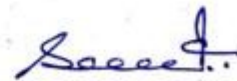
Borehole Drilled by: M/s Ritwik Koya (JV), Maharajganj, Uttar Pradesh.

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 (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	24 – 28	04	Good
2.	30 – 40	10	Good
3.	45 – 52	07	Good
4.	73 – 86	13	Good
5.	94 – 98	04	Good
6.	110 – 117	07	Good
7.	130 – 137	07	Good
8.	147 – 154	07	Good
9.	178 – 188	10	Good
10.	206 – 216	10	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 5 & 9 are highly intermixed with fine bands of kankar.

For Geo Instruments & Technic's


(S. Shukla)

JJM=711

GP:- Kuzhava Khurd

Block:- Nautanwa, Maharajganj

Drilling Depth:- 250, 500x500

Logging Depth:- 228,

LPM:- 300, 200x150

Logging Date:- 27-12-23

slotted:- 18mtr

Date:- 30-12-23

28	6.00	
27	6.00	
26	6.00	
25	6.00	= 42.03
24	6.00	
23	6.01	41.53
22	6.02	41.53
	0.20	41.73

Logging Report

- ① 24 - 28 = 04
- ② 30 - 40 = 10
- ③ 45 - 52 = 07
- ④ 73 - 86 = 13 = 06
- ⑤ 94 - 98 = 04
- ⑥ 110 - 117 = 07 = 06
- ⑦ 130 - 137 = 07
- ⑧ 147 - 154 = 07 = 06
- ⑨ 178 - 188 = 10
- ⑩ 206 - 216 = 10

21	6.00	
20	6.00	
19	6.02	
18	6.01	= 36.05
17	6.01	
16	6.01	77.78
15	6.02	83.80
14	5.99	
13	6.00	
12	6.00	= 26.7
11	6.00	
10	2.72	110.50
9	6.00	116.50
8	6.02	
7	6.01	
6	6.01	= 31.06
5	6.02	
4	4.00	
3	3.00	147.56
2	6.00	153.56
1	6.01	159.57
		+ 0.5
		160.07

Total Logging = 160.07 mtr