

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-396**

Dated: 30-10-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sihabhar Jiginihwa**
Block: **Nautanwa**
District: **Maharajganj**
State: **Uttar Pradesh**
Date of Logging: **29-10-2023**
Drilling Depth: **255.0 m bgl**
Logging Depth: **161.0 m bgl**
Rm – **40.0 Ωm** Rw – **42.0 Ωm**

Latitude: **27.3771580** Longitude: **83.63890**

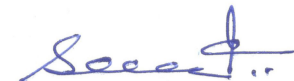
Borehole Drilled by: **M/s Ritwik Koya (JV), Maharajganj, Uttar Pradesh.**

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.	22 – 28	06	Good
2.	34 – 44	10	Good
3.	53 – 60	07	Good
4.	65 – 69	04	Good
5.	78 – 85	07	Good
6.	124 – 128	04	Good
7.	131 – 137	06	Good
8.	153 – 160	07	Good

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

For Geo Instruments & Technic's


(S. Shukla)

JJM=III

G.P.: - Sihabhar Jiginikwa

Block: - Nantanwa, Mahasajganj

Drilling Depth: - 255

Logging Depth: - 161

Logging Date: - 29-10-23

LPM: - 850 27 mtrs slotted

Assembly: - 200 x 150

Date: - 01-11-23

32	6.06	
31	6.05	
30	6.08	
29	6.05	= 36.34
28	6.06	
27	6.04	35.84
	0.20	36.04
26	6.03	
25	6.02	
24	2.00	= 20.05
23	6.00	56.09
22	3.00	59.09
21	4.03	
20	2.47	65.59
19	3.00	68.59
18	6.02	
17	4.00	70.02
16	6.02	78.64
15	6.03	
14	6.02	
13	6.03	= 39.93
12	3.77	
11	6.03	
10	6.02	
9	6.03	124.55
8	3.00	127.55
7	3.44	131.00
6	6.03	137.03
5	6.03	
4	4.42	= 16.47
3	6.02	153.50
2	6.01	159.51
1	6.02	
		165.53
		+ 0.5
		<u>166.03</u>

Logging Report

- ① 22 - 28 = 06
- ② 24 - 44 = 10
- ③ 53 - 60 = 07 = 3
- ④ 65 - 69 = 04 = 3
- ⑤ 78 - 85 = 07 = 6
- ⑥ 124 - 128 = 04 = 3
- ⑦ 131 - 137 = 06 = 6
- ⑧ 153 - 160 = 07 = 6

Cutting Plain pipe 150mm

- ① 6.03 - 2 = 4.03

Total Lowering = 166.03 mtr