

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- 376

Dated: 23-10-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Khairhva Dube**
Block: **Nautanwa**
District: **Maharajganj**
State: **Uttar Pradesh**
Date of Logging: **23-10-2023**
Drilling Depth: **255.0 m bgl**
Logging Depth: **170.0 m bgl**
Rm – **14.0 Ωm** Rw – **12.0 Ωm**

Latitude: **27.450441** Longitude: **83.619138**

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:

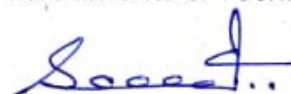
Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	20 – 26	06	Good
2.	35 – 39	04	Good
3.	45 – 49	04	Good
4.	58 – 62	04	Good
5.	86 – 90	04	Good
6.	95 – 99	04	Good
7.	108 – 114	06	Good
8.	121 – 128	07	Good
9.	153 – 160	07	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Zones Sl. No. 4 is highly intermixed with fine bands of kankar.

3. Zones Sl. No. 5 is fine sand in nature.

For Geo Instruments & Technic's


(S. Shukla)

JJM-III

GP: - Khaishva Dube

Block: - Navtanwa, Maharajganj

Drilling Depth: - 255 - 500 x 500 mm ϕ

Logging Depth: - 170 m

Assembly: - 200 x 150 mm ϕ

LPM - 500

Logging Date: - 23-10-2023

Date: - 25-10-2023

Logging Report

- ① 20 - 26 = 06
- ② 35 - 39 = 04
- ③ 45 - 49 = 04
- ④ 58 - 62 = 04
- ⑤ 86 - 90 = 04
- ⑥ 95 - 99 = 04 = 03
- ⑦ 108 - 114 = 06 = 06
- ⑧ 121 - 128 = 07 = 06
- ⑨ 153 - 160 = 07 = 06

Total Logging = 166.02 mtr

30 32	6.02	
29 31	6.03	
28 30	6.03	= 36.16
27 29	6.03	
26 28	6.03	
25 27	6.02	35.66
	0.20	35.86
24	6.02	
23	6.03	
22	6.04	
21	6.03	= 59.64
20	6.03	
19	6.02	
18	6.04	
17	6.02	
16	6.01	
15	5.40	95.50
14	---	3.00 98.50
13	6.02	= 9.50
12	3.48	108.00
11	---	6.01 114.01
10	6.00	= 8.00
9	2.00	122.01
8	---	6.00 128.01
7	6.02	
6	6.03	= 25.49
5	6.04	
4	2.00	
3	5.40	153.50
2	---	6.00 159.50
1	6.02	165.52
	∩	
		+ 0.5
		<u>166.02</u>