

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: **K-183**

Dated: 04-09-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Araji Sarkar**
Block: **Nautanwa**
District: **Maharajganj**
State: **Uttar Pradesh**
Date of Logging: **03-09-2023**
Drilling Depth: **255.0 mbgl**
Logging Depth: **205.0 mbgl**
Rm – **21.0 Ω m** Rw – **22.0 Ω m**

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

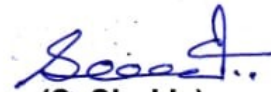
Based on the interpretation of **Self Potential (SP)**, **Short Normal (N-16")**, **Long Normal (N-64")** and **Lateral 6'** Geophysical Logs, following informations/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	17 – 21	04	Good
2.	30 – 34	04	Good
3.	41 – 45	04	Good
4.	62 – 68	06	Good
5.	90 – 94	04	Good
6.	108 – 118	10	Good
7.	150 – 156	06	Good
8.	174 – 181	07	Good
9.	195 – 199	04	Good

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

2. Zones Sl. No. 4 & 9 are highly intermixed with fine bands of kankar.

For Geo Instruments & Technic's


(S. Shukla)

JJM-III

Gr: - Araji Sankar

Block: - Nautanwa, Mahatraganj

Drilling Depth: - 255 mtr 500x500

Logging Depth: - 205 m.

LPM = 300, 200x150 mm d

Date: - 06-09-23

Logging Date - 03-09-23

0.5	6.01	0.5
28	6.01	
27	6.01	
26	6.01	
25	6.01	-42.07
24	6.01	
23	6.01	
22	6.01	41.57
0.2		41.77

Logging Report

① 17-21 = 4

② 36-39 = 04

③ 41-45 = 04

④ 62-68 = 06 = 06

⑤ 90-94 = 04

⑥ 108-118 = 10 = 06

⑦ 150-156 = 06 = 06

⑧ 174-181 = 07 =

⑨ 195-199 = 04

21	6.04	
20	6.02	
19	2.16	= 20.23
18	6.01	62.00
17	6.01	68.01
16	6.02	
15	6.02	
14	6.02	
13	5.87	= 42.02
12	6.03	
11	6.02	
10	6.04	110.03
9	6.00	116.03
8	6.02	
7	6.01	
6	6.01	
5	6.01	33.97
4	3.91	
3	6.01	150.00
2	6.01	156.01

200 mtr

Grandly

Total Lowering = 162.52 mtr

1	6.01	
		162.02
		+ 0.5
		162.52