

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- 230

Dated: 15-09-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sirsiya Khas
Block: Nautanwa
District: Maharajganj
State: Uttar Pradesh
Date of Logging: 14-09-2023
Drilling Depth: 255.0 mbgl
Logging Depth: 171.0 mbgl
Rm – 17.0 Ω m Rw – 13.0 Ω m

Borehole Drilled by: M/s Ritwik – Koya (JV), Maharajganj, 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 (meter)	Remark (Quality of Aquifer Water)
1.	20 – 24	04	Good
2.	35 – 45	10	Good
3.	47 – 51	04	Good
4.	56 – 60	04	Good
5.	65 – 69	04	Good
6.	74 – 80	06	Good
7.	93 – 97	04	Good
8.	104 – 107	03	Good
9.	122 – 129	07	Good
10.	142 – 146	04	Good

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

2. Zones Sl. No. 5, 9 & 10 are highly intermixed with fine bands of kankar.

For Geo Instruments & Technic's


(S. Shukla)

JJM = III

Gp: - Sirsiya Khas

Block: - Nautanwa

Dist: - Maharajganj

Drilling Depth: - 255m, 500x500

Logging Depth: - 171m.

Logging Date: - 14-09-23

LPM: - 600, 200x150mmφ

Date: - 16-09-23

Slotted = 21 mtr

Logging Report

- ① 20-24 = 04
- ② 35-45 = 10
- ③ 47-51 = 04
- ④ 56-60 = 04
- ⑤ 65-69 = 04 = 03
- ⑥ 74-80 = 06 = 06
- ⑦ 93-97 = 04 = 03
- ⑧ 104-107 = 03
- ⑨ 122-129 = 07 = 06
- ⑩ 142-146 = 04 = 03

total Lowering = 152.19 mtr

	0.5		0.5
	29 20	6.04	
	28 29	6.03	
	27 28	6.04	
	26 27	6.02	36.18
	25 26	6.03	
	24 25	6.02	35.68
		0.20	35.88
	23 24	6.03	
	22 23	6.03	
	21 22	5.46	= 29.62
	20 21	6.06	
	19 20	6.04	65.50
	18 19	---	3.00 68.50
	17 18	5.5	74.00
	16 17	---	6.04 80.04
	15 16	6.03	
	14 15	2.86	
	13 14	4.57	= 13.46
	13	6.03	93.5
	12	---	3.00 96.5
	11	6.04	
	10	6.00	
	9	4.00	= 26.09
	8	4.00	
	7	6.05	122.59
	6	---	6.05 128.64
	5	6.03	
	4	2.00	= 14.83
	3	6.00	142.67
	2	---	3.00 145.67
	1	6.02	151.69
		0	+ 0.5
			152.19