

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: **728**
 Dated: 12-06-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Audahi Kalan**
 Block: **Barhni**
 District: **Siddharth Nagar**
 State: **Uttar Pradesh**
 Drilling Depth: **210.0 m bgl**
 Logging Depth: **207.0m bgl**
 Date of logging: **11-06-2023**
 Rm - **14.0 Ωm** Rw - **13.0 Ωm**

Borehole Drilled by: M/s SCL infratech Ltd (VSA-SCL), Siddharth Nagar, 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.	55 - 62	07	Good
2.	117 - 129	12	Good
3.	137 - 144	07	Good
4.	155 - 159	04	Good
5.	172 - 179	07	Good
6.	196 - 200	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
 2. Zones Sl. No. 5 is highly intermixed with thin bands of Kankar.

Verified as per logs provided -
 Note - S.No 5 - 172-177 (SW)
 G. Shukla
 13/06/23

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

Aut Audahi kalfa w/s Scheme

Block - Barhni

Q = 700 Lpm

T/w size = 150 x 300mm, 200/180m
= 30m (slotted)

M/S VSA-SCL (SV)

As per logging Report (11.06.2023)

55 - 62 = 07 = 06 ✓

117 - 129 = 12 = 09 ✓

137 - 144 = 07 = 06 ✓

155 - 159 = 04 = 03 ✓

172 - 179 = 07 = 03 ✓

196 - 200 = 04

pipe cutting

150mm plain pipe

6.00 ⇒ 1.70 ✓ + 4.30 ✓

6.00 ⇒ 2.20 ✓ + 3.80^x

3.00 ⇒ Already at site

150mm slotted pipe

6.04 ⇒ 3.00 ✓ + 3.04 ✓

6.02 ⇒ 3.01 ✓ + 3.01^x

Siddharth Nagar

Cr	mm	mm	mm
31	6.01		
33	6.01		
32	6.01		
31	6.01		
30	6.02		
29	6.01		
28	6.00		
		0.50	
			42.07
		0.20	
			41.77
27	6.03		
26	1.70		
25	6.00		
24	" " "		
23	6.02		
22	6.00		
21	6.01		
20	6.00		
19	6.00		
18	6.01		
17	6.00		
16	6.01		
15	3.00		
14	6.00		
13	" " "		
12	" " "		
11	6.00		
10	4.30		
9	" "		
8	6.00		
7	6.00		
6	" "		
5	6.00		
4	2.20		
3	6.00		
2	" "		
1	6.02		
			57.05
			118.55
			5.99 = 9.00
			3.01
			127.55
			= 10.30
			137.85
			6.00
			143.85
			= 12.00
			155.85
			3.00
			158.85
			= 14.20
			173.05
			3.04
			176.09
			= 182.61
			182.11 + 0.5