

# 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:22-23:LS:1K-650  
Dated: 28-02-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Penda Nanakar  
Block: Khuniyaon  
District: Siddarth Nagar  
State: Uttar Pradesh  
Drilling Depth: 175.0 m bgl  
Logging Depth: 174.0 m bgl  
Date of logging: 27-02-2023  
Rm - 17.0 cm Rw - 19.0 cm

Borehole Drilled by: M/s SCL Infratech Limited Siddarth Nagar, 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	23 - 27	04	Good
<del>2</del>	<del>31 - 35</del>	<del>04</del>	<del>Good</del>
<del>3</del>	<del>40 - 47</del>	<del>07</del>	<del>Good</del>
<del>4</del>	<del>57 - 61</del>	<del>04</del>	<del>Good</del>
<del>5</del>	<del>66 - 70</del>	<del>04</del>	<del>Good</del>
<del>6</del>	<del>81 - 85</del>	<del>04</del>	<del>Good</del>
<del>7</del>	<del>90 - 94</del>	<del>04</del>	<del>Good</del>
<del>8</del>	<del>100 - 106</del>	<del>06</del>	<del>Good</del>
<del>9</del>	<del>113 - 117</del>	<del>04</del>	<del>Good</del>
<del>10</del>	<del>120 - 127</del>	<del>07</del>	<del>Good</del>
<del>11</del>	<del>130 - 137</del>	<del>07</del>	<del>Good</del>
<del>12</del>	<del>140 - 144</del>	<del>04</del>	<del>Good</del>
<del>13</del>	<del>156 - 160</del>	<del>04</del>	<del>Good</del>
<del>14</del>	<del>167 - 171</del>	<del>04</del>	<del>Good</del>

- Note: 1. Fine bands of kankar are intermixed with almost all the Zones.  
2. Zone Sl. No. 5 & 6 are highly intermixed with fine bands of kankar.

*Verified as per logs provided.*

*Note - Sr No 11 - 132-137 (5m)*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*G. Sh*  
01/03/23

Point a Non Kari at 5.5  
 700 in dist. Siddhacharya Block, Khurlyam

750 rpm  
 300x150mm  
 165/150m  
 24m

Ata Air pengging

- 3-27 = 4
- 31-35 = 4
- 40-47 = 7
- 57-61 = 4
- 66-70 = 4
- 81-85 = 04 = 3
- 90-94 = 4 = 3
- 100-103 = 6 = 6
- 113-117 = 04
- 120-127 = 07 = 6
- 130-137 = 7 = 132-137 = 5
- 140-144 = 4
- 156-160 = 4
- 167-171 = 4

6<sup>th</sup> Plain 6.07 → 3.90 + 2.17 ✓  
 6.01 → 3.45 + 2.56 ✓  
 6.04 → 3.04 + 3.00 ✓  
 6.02 → 5.00 + (1.02) X

29	6.03	0.50m
26	6.03	
25	6.04	
24	6.02	42.19
23	6.02	
22	6.02	
21	6.03	41.69
		0.20m
20	6.01	
19	6.00	
18	6.04	
17	6.03	39.60
16	6.05	
15	3.45	
14	6.02	81.49
13	" " "	3.04
	" " "	84.53
12	6.00	
	" " "	90.53
11	" " "	3.00
	" " "	93.53
10	3.90	6.46
9	2.56	99.99
	" " "	6.02
8	" " "	106.01
7	6.03	
6	2.17	14.22
5	6.02	
	" " "	120.23
4	" " "	6.03
	" " "	126.23
3	5.77	
	" " "	132.00
2	" " "	5.00
	" " "	137.00
1	6.00	
n		143.00
		+0.50
		143.50