

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: 122

Dated: 12-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Karahiya
Block: Shohratgarh
District: Siddharth Nagar
State: Uttar Pradesh
Drilling Depth: 210.0 m bgl
Logging Depth: 198.0 m bgl
Date of logging: 12-04-2023
Rm - 29.0 Ω m Rw - 40.0 Ω m

Borehole Drilled by: M/s VSAIPPL-SCL (JV), Siddharth 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.	17 - 21	04	Good
2.	58 - 65	07	Good
3.	67 - 74	07	Good
4.	86 - 90	04	Good
5.	96 - 100	04	Good
6.	121 - 128	07	Good
7.	135 - 139	04	Good
8.	157 - 161	04	Good
9.	170 - 176	06	Good
10.	180 - 183	03	Good
11.	192 - 196	04	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 4 & 5 are highly intermixed with fine bands of kankar.

Verified, as per logs provided.

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

G. Ch
12/04/23

Phage-3
Rahiya w.s.s. New Indisth. Siddhardh Nagar Block School

650 lpm
= 300 x 150 mm
= 200 / 180 m
= 24 m

Stack As per logging: -

- 1- 17-21 = 04
- 2- 58-65 = 07 = 6
- 3- 67-74 = 07 = 6
- 4- 86-90 = 04
- 5- 96-100 = 04
- 6- 121-128 = 07 = 6
- 7- 135-139 = 04 = 3
- 8- 157-161 = 04 = 3
- 9- 170-176 = 6
- 10- 180-183 = 3
- 11- 192-196 = 04

31	6.00	
30	6.00	
29	6.00	
28	6.00	
27	6.00	
26	6.00	
25	6.00	

= 42

41.50
0.20 m
41.70

24	6.00	
23	6.00	
22	4.80	
21	6.00	
20	3.00	
19	6.00	
18	6.00	
17	6.00	
16	6.00	
15	6.00	

= 16.81

58.51

64.51

67.51

73.51

= 48.00

Cutty → 6.00 → 4.80 + 1.20

6.00 → 3.00 + 2.00 + 1.00

Stacked → 6.00 → 3.00 + 3.00

14	6.00	
13	6.00	
12	6.00	
11	6.00	
10	6.00	
9	6.00	
8	2.00	
7	3.00	
6	6.00	
5	6.00	
4	1.20	
3	6.00	
2	3.00	
1	6.00	

121.51

127.51

8.00

135.51

138.51

19.20

157.71

160.71

166.71 + 0.50 = 167.21