

# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref. 929 - M / AX - 2024 Date :29.09.2024

## Geophysical Borehole Logging Report

Name of the site : Mahtiniya Khurd, Block - Dumariyaganj

District : Siddharth Nagar

Date : 29.09.2024

Depth logged : 170.0 mbgl

Depth drilled : 170.0 mbgl - as reported

Logger use : Robertson make

Presence : Rep. of M/S VSAIPPL-SCL JV, Siddharth Nagar

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	20.0---28.0	8.0	Good all
2	38.0---48.0	10.0	
3	50.0---72.0	22.0	
4	80.0---87.0	7.0	
5	91.0---95.0	4.0	
6	104.0---108.0	4.0	
7	114.0---118.0	4.0	
8	121.0---128.0	7.0	
9	140.0---150.0	10.0	
10	162.0---166.0	4.0	

Note. All zones are intermixed with fine bands of kankar. Sl.No. 6 is fine sand.

for Aqua Xplore

To  
M/S VSAIPPL- SCL JV, Siddharth Nagar, Uttar Pradesh



G.P = Mahantiraj Khapol  
 Block = Dumraohganj  
 Distt = Siddharth Nagar

Tubewell size (200X150)  
 Drilling downing of T/w/165/150 ~~65~~  
 LPM = 400

As per logging Report 29/09/24

- ① 20 - 28 = 8
- ② 38 - 48 = 10
- ③ 50 - 72 = 22 — (6) ✓
- ④ 80 - 87 = 7 — (6) ✓
- ⑤ 91 - 95 = 4
- ⑥ 104 - 108 = 4
- ⑦ 114 - 118 = 4
- ⑧ 121 - 128 = 7 — (6) ✓
- ⑨ 140 - 150 = 10
- ⑩ 162 - 166 = 4

ms cutting plus pipe 150mm

- ① 5.99 = 4.26 + 1.73
- ② 5.99 = 4.50 + 1.49

G	6.00	
23	6.00	
22	6.01	
21	6.02	
20	5.98	42.02
19	6.00	
18	6.01	
17		41.52
	2.00	41.72
16	6.01	
15	6.01	24.02
14	6.01	
13	5.99	65.74
12	6.00	71.74
11	4.26	
10	4.50	86.50
9	6.00	86.50
8	6.03	
7	6.01	
6	5.99	35.02
5	5.00	
4	5.99	
3		121.52
2	6.00	127.52
1	6.00	133.52
		+ 05.00
		134.02