

Seminyax W.G.P. W.S.S. Tlas indiatl. Siddler Block-raugesth.

$$\begin{aligned}
 A &= 500 \text{ lpm} \\
 &= 200 \times 150 \text{ mm}^2 \\
 &= 198/180 \\
 &= 18 \text{ m}
 \end{aligned}$$

Statistical logging: -

1. 30-37 = 7

2. 46-50 = 4

3. 60-65 = 5

4. 94-104 = 10 = 6

5. 110-120 = 10 = 9

6. 132-136 = 4 = 3

7. 147-151 = 4

8. 162-166 = 4

9. 172-176 = 4

10. 185-200

53.08 → 56.28

Cutty

6" stoff

6.06 → 3.00 + 3.06

6" plane

6.02 → 2.40 + 3.62

6.02 → 3.30 + 2.72

26	5.97	0.50m
25	6.04	
24	6.03	
23	6.04	36.18
22	6.05	
21	6.05	35.68
		0.20m
20	6.03	35.88
19	6.01	
18	6.02	
17	6.02	
16	6.02	
15	6.02	6.20
14	6.01	
13	6.01	
12	6.03	
11	6.03	96.08
10	" " "	6.08
9	6.02	102.16
8	2.40	8.42
7	" " "	110.58
6	" " "	6.00
5	3.62	3.00 = 9.00
4	6.03	119.58
3	3.30	12.95
2	" " "	132.53
1	" " "	3.06
	6.02	135.59
		141.61 + 0.50
		= 142.11



Aqua Xplore

(Groundwater Assessment & Allied Services)
243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001
Mob. 9918202546 / 9889323322, E mail- aquaxploreko@gmail.com

Advisor - Dr. R. A. Yadav, ex-Maanger (Groundwater), U. P. Jal Nigam

Ref. 110 - S / AX - 2023 Date 10.01.2023

Geophysical Borehole Logging Report

Name of the site : Semriyaaw, Block - Naugarh
District : Siddharth Nagar
Date : 10.01.2023
Depth logged : ~~201.0~~ mbgl
Depth drilled : 210.0 mbgl - as reported
Logger use : ~~Robertson~~ make
Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad

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	30.0--37.0	7.0	Good all
2	46.0--50.0	4.0	
3	60.0--65.0	5.0	
4	94.0--104.0	10.0	
5	110.0--120.0	10.0	
6	132.0--136.0	4.0	
7	147.0--151.0	4.0	
8	162.0--166.0	4.0	
9	172.0--176.0	4.0	
10	185.0--200.0	15.0	

Note: All zones are intermixed with fine bands of kankar. Sl. No. 4 is highly kankar intermixed.

verified as per
logs provided.

Note - So No 3-61-65
(4m)

G.S.H
11/01/23

[Signature]

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

Cover Agreement No. :-

STRATA CHART

Name of District: **SIDDHARTH NAGAR**

Block Name: **NAUGIARH**

Scheme Name: **SEMRIYAON - TIW 2**

Name of Activity: **LOWERING OF TIW 2**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5M AGL	200 mm Dia housing pipe to 35.57 M
			6.04	200 x 150mm reducer from 35.57 M to 35.77 M
			6.02	150mm dia plain pipe from 35.77 M to 91.53 M
			5.98	150mm dia slotted pipe from 91.53 M to 97.55 M
			6.05	150mm dia plain pipe from 97.55 M to 112.27 M
			5.99	150mm dia slotted pipe from 112.27 M to 121.31 M
34.12		CLAY	5.99	150mm dia plain pipe from 121.31 M to 149.81 M
38.20		MEDIUM SAND	0.2	150mm dia slotted pipe from 149.81 M to 152.81 M
		CLAY	6.03	150mm dia plain pipe from 152.81 M to 158.83 M
			6.03	150mm dia slotted pipe from M to M
			6.03	150mm dia plain pipe from M to M
			6.04	150mm dia slotted pipe from M to M
58.32		MEDIUM SAND	6.02	150mm dia plain pipe from M to M
63.09		CLAY	6.07	
69.17		MEDIUM SAND	6.07	
73.26		CLAY	6.01	
			1.50	
			6.01	
91.33		MEDIUM SAND	6.02	Total Assembly- 158.23 M+AGL 0.5= 159.33 M
98.41		CLAY	6.00	ABSTRACT
102.17		FINE SAND	2.71	Date of Lowering-
110.33		CLAY	6.01	LPM-
122.12		MEDIUM SAND	3.03	Drilling Depth- 198 M
130.16		CLAY	5.98	Assembly Lowered- 159.33 M
135.18		FINE TO MEDIUM	6.00	Housing Pipe- 36.07 M
148.31		CLAY	6.01	Plain Pipe- 105.00 M
154.22		MEDIUM SAND	6.01	Slotted Pipe- 18.06 M
162.37		CLAY	4.50	Reducer- 0.20 M
166.24		FINE TO MEDIUM	6.00	LOGGING REPORT
173.17		CLAY	6.01	Date of Logging-
177.06		FINE SAND	4.50	Logging Depth- 196 M
185.13		CLAY	6.01	34-38 = 4 m
192.09		MEDIUM SAND	6.01	58-63 = 5 m
198M		CLAY	3.00	69-73 = 4 m
			0	91-98 = 7 m
				102-106 = 4 m
				110-122 = 12 m
				130-135 = 5 m
				148-154 = 6 m
				162-166 = 4 m
				173-177 = 4
				185-192 = 7



[Signature]
TPI

[Signature]
J.E.

सहायक अभियन्ता
खण्ड व (वि/साँ) (वि/साँ)
उ० प्र० जल निगम (ग्रामीण)
गोरखपुर



Aqua Xplore

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 119 - S / AX - 2023

Date 19.01.2023

Geophysical Borehole Logging Report

Name of the site : Semriyaaw TW-2, Block - Naugarh

District : Siddharth Nagar

Date : 19.01.2023

Depth logged : ~~196.0~~ mbgl

Depth drilled : 207.0 mbgl - as reported

Logger use : ~~Robertson~~ make

Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad

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	34.0--38.0	4.0	Good all
2	58.0--63.0	5.0	
3	69.0--73.0	4.0	
4	91.0--98.0	7.0	
5	102.0--106.0	4.0	
6	110.0--122.0	12.0	
7	130.0--135.0	5.0	
8	148.0--154.0	6.0	
9	162.0--166.0	4.0	
10	173.0--177.0	4.0	
11	185.0--192.0	7.0	

Note. All zones are intermixed with kankar.

Verified as per logs provided.
Note - Sr No 3 103-102
Sr No 5 103-102

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

G. S. H.
20/01/23