Part-G

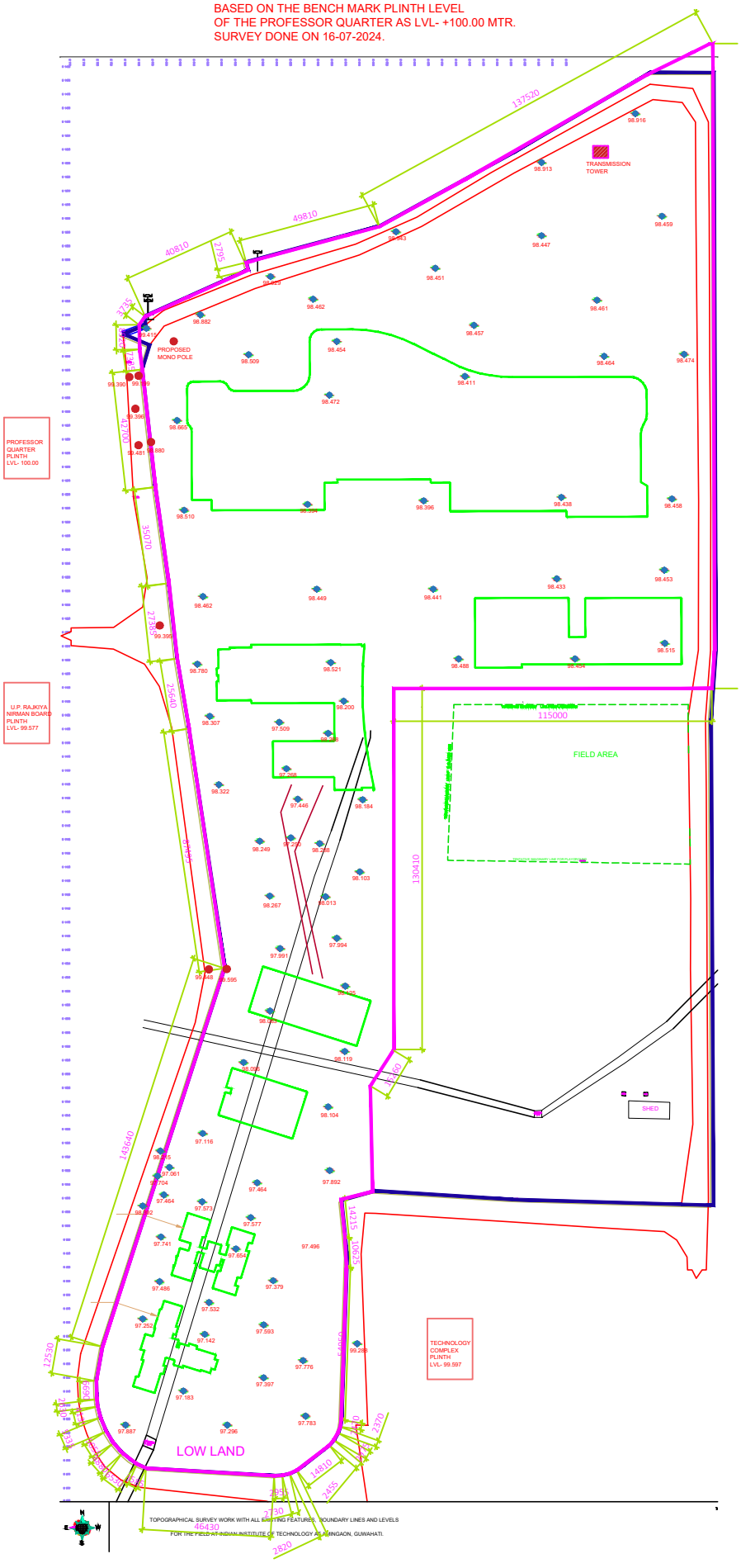
Topographical Survey & Geo-Technical Soil Investigation Report

SURVEY DRAWING

NIT NO.: AGIHF/Executing Agency/2024-25/01
dt.27.08.2024

PART G

LEVELS OF THE AAHII PROJECT SITE
BASED ON THE BENCH MARK PLINTH LEVEL
OF THE PROFESSOR QUARTER AS LVL- +100.00 MTR.
SURVEY DONE ON 16-07-2024.

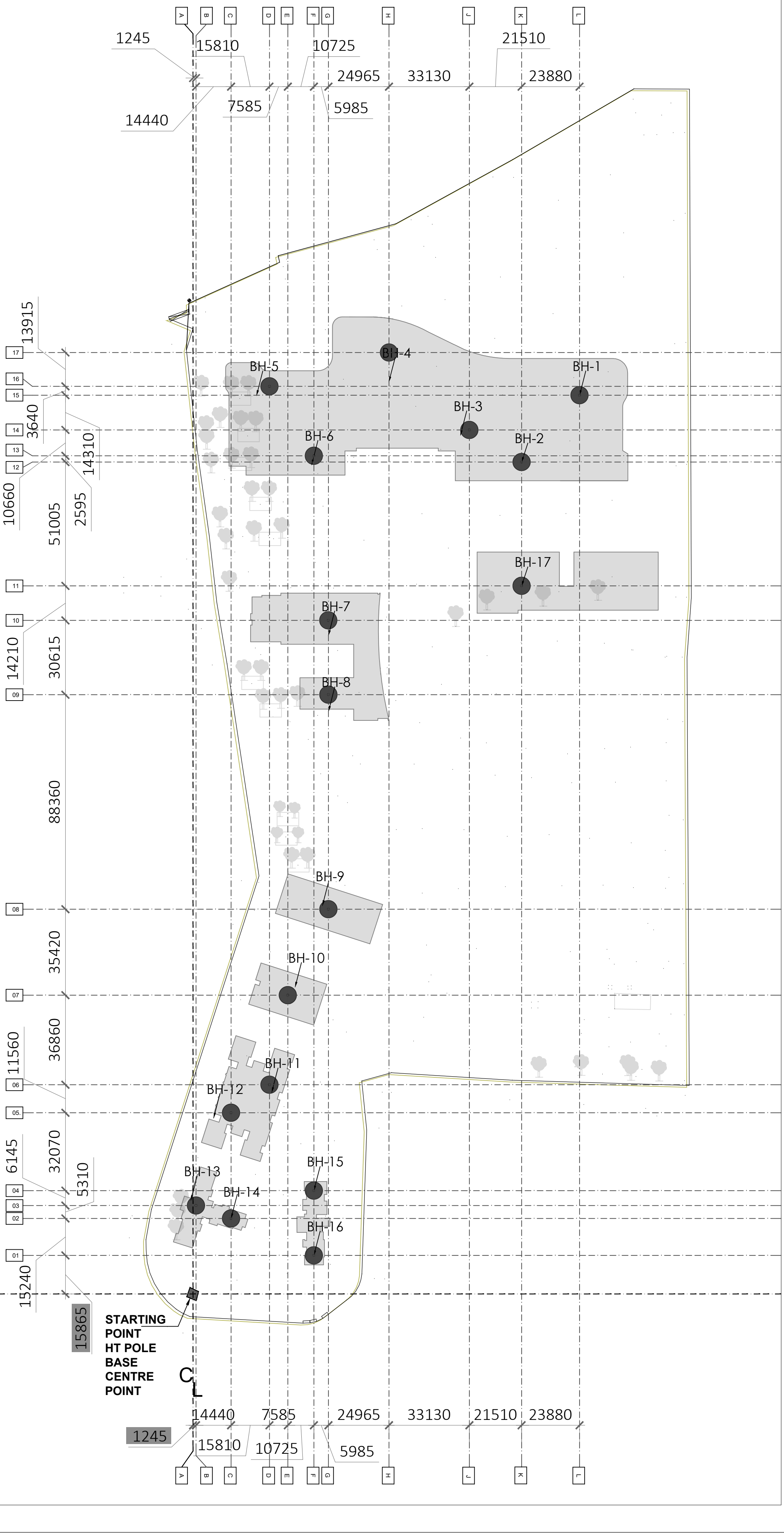


GEO -TECHNICAL INVESTIGATION REPORT

NIT NO.: AGIHF/Executing Agency/2024-25/01
dt.27.08.2024

PART G

BORE HOLES LOCATION PLAN



RCC Pile Foundation:

The load carrying capacities of bored cast in situ uniform diameter piles of 12.00M to 26.00M length with pile diameters 45 cm, 50 cm and 60cm. respectively are calculated and shown in Table2.

Table2: Safe Load carrying capacity of bored cast in situ uniform diameter pile:

For Borehole:2,3,6,7,8

Pile Stem Dia. (cm)	Length of Pile from E.G.L. (m)	Pile Cutoff Length (m)	Recommended Safe Load Carrying Capacity (tone)				Lateral Pile Capacity (Ton)
			Compression (Non Seismic)	Compression (Seismic)	Uplift (Non Seismic)	Uplift (Seismic)	
45	12.0	1	21.45	26.81	11.04	13.80	4.80
50		1	24.98	31.23	12.56	15.70	5.92
60		1	32.74	40.93	15.77	19.71	8.53
45	14.0	1	23.87	29.84	13.24	16.55	4.80
50		1	27.67	34.59	15.07	18.84	5.92
60		1	35.97	44.96	18.93	23.66	8.53
45	16.0	1	26.29	32.86	15.45	19.31	4.80
50		1	30.36	37.95	17.58	21.98	5.92
60		1	39.20	49.00	22.08	27.60	8.53
45	18.0	1	28.71	35.89	17.66	22.08	4.80
50		1	33.06	41.33	20.09	25.11	5.92
60		1	42.43	53.04	25.24	31.55	8.53
45	20.0	1	75.10	93.88	22.79	28.49	4.80
50		1	91.47	114.34	25.85	32.31	5.92
60		1	130.42	163.03	32.29	40.36	8.53
45	22.0	1	89.90	112.38	33.84	42.30	4.80
50		1	107.91	134.89	38.19	47.74	5.92
60		1	150.15	187.69	47.24	59.05	8.53
45	24.0	1	106.27	132.84	46.01	57.51	4.80
50		1	126.10	157.63	51.77	64.71	5.92
60		1	171.98	214.98	63.68	79.60	8.53
45	26.0	1	124.22	155.28	59.30	74.13	4.80
50		1	146.04	182.55	66.60	83.25	5.92
60		1	195.91	244.89	81.62	102.03	8.53

For Borehole:1,4,5,9,10,11,12,13,14,15,16

Pile Stem Dia. (cm)	Length of Pile from E.G.L. (m)	Pile Cutoff Length (m)	Recommended Safe Load Carrying Capacity (tone)				Lateral Pile Capacity (Ton)
			Compression (Non Seismic)	Compression (Seismic)	Uplift (Non Seismic)	Uplift (Seismic)	
45	12.0	1	18.66	23.33	9.98	12.48	4.80
50		1	21.72	27.15	11.39	14.24	5.92
60		1	28.44	35.55	14.37	17.96	8.53
45	14.0	1	21.32	26.65	12.36	15.45	4.80
50		1	24.67	30.84	14.09	17.61	5.92
60		1	31.98	39.98	17.75	22.19	8.53
45	16.0	1	59.20	74.00	19.12	23.90	4.80
50		1	72.51	90.64	21.66	27.08	5.92
60		1	104.73	130.91	26.98	33.73	8.53
45	18.0	1	69.63	87.04	27.05	33.81	4.80
50		1	84.10	105.13	30.53	38.16	5.92
60		1	118.64	148.30	37.77	47.21	8.53
45	20.0	1	81.70	102.13	36.15	45.19	4.80
50		1	97.51	121.89	40.70	50.88	5.92
60		1	134.73	168.41	50.11	62.64	8.53
45	22.0	1	95.40	119.25	46.42	58.03	4.80
50		1	112.74	140.93	52.16	65.20	5.92
60		1	153.01	191.26	64.01	80.01	8.53
45	24.0	1	110.74	138.43	57.85	72.31	4.80
50		1	129.78	162.23	64.92	81.15	5.92
60		1	173.46	216.83	79.46	99.33	8.53
45	26.0	1	127.71	159.64	70.45	88.06	4.80
50		1	148.64	185.80	78.98	98.73	5.92
60		1	196.09	245.11	96.48	120.60	8.53

10.0 CONCLUSION: Pile foundation recommended. Safe pile load capacities are shown in above Table. Safe bearing capacity of soil as wll as pile load capacities shown in above table . soil at this site is of silty clay type upto an average depth of 18.00m so that it is predominantly sandy. Pile resting on sandy strata shows relatively higher capacity.

:ANNEX-I:

BORE LOG CUM LABORATORY TEST RESULT

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 29-01-2024 | Date completed: 30-01-2024

BH: 01 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
0.00-0.50					Filling SAND															
1.5-1.95	P	3	3	CL	Grayish CLAY with Silt															
2	U							100	1.68	1.31	2.65	1.02	28.21		0.20	7	0.23	39.65	25.90	13.75
2.5	P																			
3.0-3.45	P	19	19																	
3.5	D																			
4.5-4.95	P	25	25																	
5	U							100	2.15	1.82	2.65	0.46	18.32		0.73	8	0.06	38.56	25.57	12.99
6.0-6.45	P	31	31																	
6.5	D																			
7.5-7.95	P	33	33																	
8	U							100	2.18		2.66			3.46	1.73			37.66	25.30	12.36
9.0-9.45	P	39	39																	
9.5	D																			
10.5-10.95	P	43	43																	
11	U							100	2.21		2.66							36.67	25.00	11.67
12.00-12.45	P	47	47																	
12.5	D																			
13.5-13.95	P	51	51																	
14	U							100	2.23		2.67			3.76	1.88			35.8	24.74	11.06
15.00-15.45	P	59	59																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 29-01-2024 | Date completed: 30-01-2024

BH: 01 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	62	62	CL	Grayish CLAY with Silt															
17	U				18.00M		100		2.24		2.66			3.90	1.95					
18.0-18.45	P	67	37	SW	Grayish fine to medium SAND															
18.5	D																			
19.50-19.95	P	70	38																	
20	D						100		2.31											
21.0-21.45	P	74	39																	
21.5	D						100													
22.5-22.95	P	78	40																	
23	D						100		2.35		2.64					38				
24.0-24.45	P	82	41																	
24.5	D						100													
25.5-25.95	P	86	41																	
26	D						100													
27.0-27.45	P	89	41																	
27.5	D						100													
28.5-28.95	P	94	42																	
29	D						100		2.39		2.64					39				
30.0-30.45	P	97	42																	
30.5	D						100													
31.50-31.95	P	100	43																	
32	D						100													
33.00-33.45	P	105	43																	
33.5	D						100													
34.50-34.95	P	109	44																	
35.5	D				35.50M		100		2.4		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 25-01-2024 | Date completed: 26-01-2024

BH: 02 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	3	3	CL	Grayish CLAY with Silt			100	1.85	1.53	2.67	0.75	21.01		0.20	7	0.14	39.24	25.77	13.47
2	U																			
2.5	P																			
3.0-3.45	P	10	10																	
3.5	D																			
4.5-4.95	P	14	14					100	1.95	1.62	2.67	0.64	20.05		0.47	8	0.11	38.37	25.51	12.86
5	U																			
6.0-6.45	P	17	17																	
6.5	D																			
7.5-7.95	P	24	24					100	2.15		2.66			3.38	1.69			37.39	25.22	12.17
8	U																			
	P	26	26																	
9.5	D																			
10.5-10.95	P	29	29					100												
11	U																			
12.00-12.45	P	31	31																	
12.5	D																			
13.5-13.95	P	34	34					100	2.22		2.67			3.54	1.77			35.88	24.76	11.12
14	U																			
15.00-15.45	P	37	37																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 25-01-2024 | Date completed: 26-01-2024

BH: 02 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	44	44	CL	Grayish CLAY with Silt															
17	U						100		2.27		2.66			3.60	1.80					
18.0-18.45	P	53	53																	
18.5	D				18.50M															
19.50-19.95	P	55	30	SW	Grayish fine to medium SAND															
20	D						100													
21.0-21.45	P	59	31																	
21.5	D						100													
22.5-22.95	P	64	33																	
23	D						100		2.25		2.64					36				
24.0-24.45	P	69	34																	
24.5	D						100													
25.5-25.95	P	75	36																	
26	D						100													
27.0-27.45	P	78	36																	
27.5	D						100													
28.5-28.95	P	80	36																	
29	D						100		2.28		2.64					38				
30.0-30.45	P	82	36																	
30.5	D						100													
31.50-31.95	P	86	37																	
32	D						100													
33.00-33.45	P	91	38																	
33.5	D						100													
34.50-34.95	P	94	38																	
35	D				35.00M		100													

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 21-01-2024 | Date completed: 24-01-2024

BH: 03 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	7	7	CL	Grayish CLAY with Silt															
2	U							100	1.85	1.51	2.67	0.77	22.70		0.47	7	0.15	39.79	25.94	13.85
2.5	P																			
3.0-3.45	P	12	12																	
3.5	D																			
4.5-4.95	P	16	16																	
5	U							100	2.12	1.75	2.67	0.52	21.05		0.66	8	0.08	37.25	25.18	12.07
6.0-6.45	P	20	20																	
6.5	D																			
7.5-7.95	P	27	27																	
8	U							100	2.17		2.66			3.44	1.72			36.74	25.02	11.72
9.0-9.45	P	30	30																	
9.5	D																			
10.5-10.95	P	32	32																	
11	U							100												
12.00-12.45	P	36	36																	
12.5	D																			
13.5-13.95	P	33	33																	
14	U							100	2.25		2.67			3.52	1.76			36.10	24.83	11.27
15.00-15.45	P	32	32																	
15.5	D				16.50M															

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 21-01-2024 | Date completed: 24-01-2024

BH: 03 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	35	35	SW	Grayish fine to medium SAND															
17	D						100		2.12		2.65					35				
18.0-18.45	P	34	17																	
18.5	D						100													
19.50-19.95	P	39	21																	
20	D						100													
21.0-21.45	P	42	22																	
21.5	D						100													
22.5-22.95	P	47	24																	
23	D						100		2.25		2.64					38				
24.0-24.45	P	54	37																	
24.5	D						100													
25.5-25.95	P	59	29																	
26	D						100													
27.0-27.45	P	64	30																	
27.5	D						100													
28.5-28.95	P	68	31																	
29	D				30.00M		100		2.28		2.64					39				
30.0-30.45	P	74	33		Grayish medium to Coarse SAND															
30.5	D						100													
31.50-31.95	P	76	33																	
32	D						100													
33.00-33.45	P	80	34																	
33.5	D						100													
34.50-34.95	P	86	35																	
35	D				35.00M		100													

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 06-02--2024 | Date completed: 07-02-2024

BH: 04 | DEPTH OF WATER TABLE=0.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ')	Compression Index Cc	LL%	PL%	PI%
0.00-0.50					Filling SAND															
1.5-1.95	P	3	3	CL	Grayish CLAY with Silt			100	1.69	1.31	2.65	1.02	28.69		0.22	7	0.22	38.25	25.48	12.77
2	U																			
2.5	P																			
3.0-3.45	P	4	4																	
3.5	D																			
4.5-4.95	P	9	9					100	1.95	1.65	2.65	0.61	18.32		0.61	8	0.10	36.21	24.86	11.35
5	U																			
6.0-6.45	P	12	12																	
6.5	D																			
7.5-7.95	P	16	16					100	2.09		2.66			1.56	0.78			36.08	24.82	11.26
8	U																			
9.0-9.45	P	20	20																	
9.5	D																			
10.5-10.95	P	24	24					100	2.15		2.66									
11	U																			
12.00-12.45	P	28	28																	
12.5	D																			
13.5-13.95	P	31	31					100	2.20		2.67			2.10	1.05			35.74	24.72	11.02
14	U																			
15.00-15.45	P	33	33																	
15.5	D				15.50M															

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 06-02--2024 | Date completed: 07-02-2024

BH: 04 | DEPTH OF WATER TABLE=0.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	35	21																	
17	D						85	15	2.12		2.66					33				
18.0-18.45	P	39	23																	
18.5	D																			
19.50-19.95	P	46	27	SC	Brownish SANDY Clay															
20	D						90	10	2.21							35				
21.0-21.45	P	53	30																	
21.5	D				21.50M															
22.5-22.95	P	55	30																	
23	D						100		2.23		2.64					36				
24.0-24.45	P	59	31																	
24.5	D						100													
25.5-25.95	P	64	33																	
26	D						100													
27.0-27.45	P	70	35																	
27.5	D						100													
28.5-28.95	P	79	38	SW	Grayish medium SAND															
29	D						100		2.29		2.64					38				
30.0-30.45	P	83	39																	
30.5	D						100													
31.50-31.95	P	90	42																	
32	D						100													
33.00-33.45	P	97	43																	
33.5	D						100													
34.50-34.95	P	107	46																	
35.5	D				35.50M		100		2.35		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

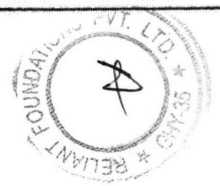
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 31-01-2024 | Date completed: 02-02-2024

BH: 05 | DEPTH OF WATER TABLE=0.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
0.00-1.50					Filling SAND															
1.5-1.95	P	4	4																	
2	U							100	1.76	1.37	2.65	0.93	28.01		0.27	7	0.20	38.63	25.59	13.04
2.5	P																			
3.0-3.45	P	9	9																	
3.5	D																			
4.5-4.95	P	19	19																	
5	U							100	2.11	1.76	2.65	0.51	20.21		0.69	8	0.07	37.50	25.25	12.25
6.0-6.45	P	26	26																	
6.5	D																			
7.5-7.95	P	29	29																	
8	U			CL	Grayish CLAY with Silt			100	2.18		2.66			2.04	1.02			36.41	24.92	11.49
9.0-9.45	P	34	34																	
9.5	D																			
10.5-10.95	P	35	35																	
11	U							100	2.20											
12.00-12.45	P	37	37																	
12.5	D																			
13.5-13.95	P	40	40																	
14	U							100	2.22		2.67			2.8	1.4			35.60	24.68	10.92
15.00-15.45	P	44	44																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic



BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 31-01-2024 | Date completed: 02-02-2024

BH: 05 | DEPTH OF WATER TABLE=0.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ')	Compression Index Cc	LL%	PI %	PI%
16.5-16.95	P	49	49	CL	Grayish CLAY with Silt															
17	U							100	2.24		2.66			2.94	1.47					
18.0-18.45	P	53	53																	
18.5	D																			
19.50-19.95	P	57	57																	
20	U							100	2.25		2.66			3.04	1.52					
21.0-21.45	P	61	61																	
21.5	D																			
22.5-22.95	P	66	66																	
23	U				23.00M			100	2.26		2.64									
24.0-24.45	P	70	32	SW	Grayish fine to medium SAND															
24.5	D						100				2.64					36				
25.5-25.95	P	74	33																	
26	D						100													
27.0-27.45	P	81	35																	
27.5	D						100													
28.5-28.95	P	87	39																	
29	D						100		2.39		2.64					38				
30.0-30.45	P	94	39																	
30.5	D						100													
31.50-31.95	P	100	40																	
32	D						100													
33.00-33.45	P	104	40																	
33.5	D						100													
34.50-34.95	P	110	41																	
35.5	D				35.50M		100		2.4		2.64					38				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 20-01-2024 | Date completed: 23-01-2024

BH: 06 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	14	14	CL	Grayish CLAY with Silt															
2	U							100	1.97	1.61	2.67	0.66	22.36		0.73	8	0.12	37.05	25.12	11.93
2.5	P																			
3.0-3.45	P	17	17																	
3.5	D																			
4.5-4.95	P	22	22																	
5	U							100	2.10	1.73	2.66	0.54	21.22		0.87	8	0.08	36.44	24.93	11.51
6.0-6.45	P	26	26																	
6.5	D																			
7.5-7.95	P	31	31																	
8	U							100	2.20		2.66			3.60	1.80			36.07	24.82	11.25
9.0-9.45	P	27	27																	
9.5	D																			
10.5-10.95	P	30	30																	
11	U																			
12.00-12.45	P	33	33																	
12.5	D																			
13.5-13.95	P	31	31																	
14	U							100	2.23		2.67			3.64	1.82			35.34	24.60	10.74
15.00-15.45	P	34	34																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 20-01-2024 | Date completed: 23-01-2024

BH: 06 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	30	30	CL	Grayish CLAY with Silt															
17	U							100	2.19		2.67			3.56	1.78					
18.0-18.45	P	32	32																	
18.5	D				19.50M															
19.50-19.95	P	36	19	SC	Grayish sandy CLAY															
20	D						75	25												
21.0-21.45	P	44	23																	
21.5	D						80	20												
22.5-22.95	P	46	23																	
23	D				24.00M		85	15	2.27		2.64					38				
24.0-24.45	P	49	24	SW	Grayish fine to medium SAND															
24.5	D						100													
25.5-25.95	P	52	25																	
26	D						100													
27.0-27.45	P	55	26																	
27.5	D				28.50M		100													
28.5-28.95	P	59	27																	
29	D						90	10	2.29		2.64					41				
30.0-30.45	P	64	28																	
30.5	D																			
31.50-31.95	P	73	31		Grayish fine to medium SAND with Silt															
32	D						95	5												
33.00-33.45	P	76	34																	
33.5	D																			
34.50-34.95	P	81	38																	
35	D				35.00M		98	2												

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 25-01-2024 | Date completed: 26-01-2024

BH: 07 | DEPTH OF WATER TABLE=1.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	7	7	CL	Grayish CLAY with Silt															
2	U							100	1.88	1.54	2.67	0.74	22.32		0.60	8	0.14	38.52	25.56	12.96
2.5	P																			
3.0-3.45	P	13	13																	
3.5	D																			
4.5-4.95	P	17	17																	
5	U							100	2.20	1.81	2.67	0.47	21.43		0.60	8	0.06	37.33	25.20	12.13
6.0-6.45	P	20	20																	
6.5	D																			
7.5-7.95	P	22	22																	
8	U							100	2.13		2.66			2.94	1.47			36.55	24.97	11.58
9.0-9.45	P	24	24																	
9.5	D																			
10.5-10.95	P	29	29																	
11	U							100												
12.00-12.45	P	31	31																	
12.5	D																			
13.5-13.95	P	34	34																	
14	U							100	2.2		2.67			3.32	1.66			35.12	24.54	10.58
15.00-15.45	P	36	36																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 25-01-2024 | Date completed: 26-01-2024

BH: 07 | DEPTH OF WATER TABLE=1.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ')	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	40	40	CL	Grayish CLAY with Silt															
17	U				18.00M			100	2.28		2.66			3.52	1.76					
18.0-18.45	P	46	26	SW	Grayish fine to medium SAND															
18.5	D						100													
19.50-19.95	P	49	27																	
20	D						100													
21.0-21.45	P	54	29																	
21.5	D						100													
22.5-22.95	P	57	30																	
23	D						100		2.25		2.64					37				
24.0-24.45	P	60	31																	
24.5	D						100													
25.5-25.95	P	65	32																	
26	D						100													
27.0-27.45	P	69	33																	
27.5	D						100													
28.5-28.95	P	73	34																	
29	D						100		2.29		2.64					39				
30.0-30.45	P	75	34																	
30.5	D						100													
31.50-31.95	P	80	36																	
32	D						100													
33.00-33.45	P	83	37																	
33.5	D						100													
34.50-34.95	P	87	38																	
35	D				35.00M		100													

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 27-01-2024 | Date completed: 28-01-2024

BH: 08 | DEPTH OF WATER TABLE=1.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	3	3		Grayish CLAY with Silt															
2	U							100	1.96	1.62	2.66	0.64	21.09		0.25	7	0.11	39.13	25.74	13.39
2.5	P																			
3.0-3.45	P	13	13																	
3.5	D																			
4.5-4.95	P	8	8																	
5	U							100	2.10	1.75	2.67	0.52	19.66		0.56	8	0.08	38.23	25.13	13.10
6.0-6.45	P	10	10																	
6.5	D																			
7.5-7.95	P	14	14																	
8	U			CL				100	2.05		2.66			1.86	0.93			37.38	25.21	12.17
9.0-9.45	P	19	19																	
9.5	D																			
10.5-10.95	P	24	24																	
11	U							100												
12.00-12.45	P	29	29																	
12.5	D																			
13.5-13.95	P	31	31																	
14	U							100	2.2		2.67			3.38	1.69			35.70	24.71	10.99
15.00-15.45	P	39	39																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 27-01-2024 | Date completed: 28-01-2024

BH: 08 | DEPTH OF WATER TABLE=1.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ')	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	48	48	CL	Grayish CLAY with Silt															
17	U							100	2.21		2.67			3.66	1.83					
18.0-18.45	P	54	54																	
18.5	D																			
19.50-19.95	P	58	58																	
20	U				21.00M			100												
21.0-21.45	P	63	32	SP	Grayish fine to medium SAND															
21.5	D						100													
22.5-22.95	P	70	35																	
23	D						100		2.25		2.64					39				
24.0-24.45	P	75	37																	
24.5	D						100													
25.5-25.95	P	81	37																	
26	D						100													
27.0-27.45	P	86	38																	
27.5	D						100													
28.5-28.95	P	88	38																	
29	D						100		2.31		2.64					40				
30.0-30.45	P	92	40																	
30.5	D				31.50M		100													
31.50-31.95	P	R	R	SW	Grayish fine to medium SAND with Silt															
32	D						97	3												
33.00-33.45	P	R	R																	
33.5	D																			
34.50-34.95	P	R	R																	
35	D				35.00M		95	5												

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 29-01-2024 | Date completed: 30-01-2024

BH: 09 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	3	3																	
2	U							100	1.69	1.39	2.67	0.92	21.39		0.22	7	0.19	38.39	25.77	12.62
2.5	P																			
3.0-3.45	P	6	6																	
3.5	D																			
4.5-4.95	P	9	9																	
5	U							100	1.95	1.61	2.67	0.66	20.89		0.60	8	0.12	37.20	25.16	12.04
6.0-6.45	P	8	8																	
6.5	D																			
7.5-7.95	P	15	15																	
8	U			CL	Grayish CLAY with Silt			100	2.06		2.66			3.38	1.69			37.12	25.14	11.98
	P	20	20																	
9.5	D																			
10.5-10.95	P	26	26																	
11	U							100												
12.00-12.45	P	31	31																	
12.5	D																			
13.5-13.95	P	35	35																	
14	U							100	2.25		2.67			3.54	1.77			35.30	24.59	10.71
15.00-15.45	P	40	40																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 29-01-2024 | Date completed: 30-01-2024

BH: 09 | DEPTH OF WATER TABLE=1.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PI%	PI%
16.5-16.95	P	45	45	CL	Grayish CLAY with Silt															
17	U						100		2.28		2.66			4.02	2.01					
18.0-18.45	P	49	49																	
18.5	D				19.50M															
19.50-19.95	P	53	29	SP	Grayish fine SAND															
20	D						100													
21.0-21.45	P	58	31																	
21.5	D						100													
22.5-22.95	P	64	33																	
23	D						100		2.25		2.64					36				
24.0-24.45	P	71	36																	
24.5	D						100													
25.5-25.95	P	79	39																	
26	D						100													
27.0-27.45	P	84	40																	
27.5	D						100													
28.5-28.95	P	92	42																	
29	D						100		2.28		2.64					39				
30.0-30.45	P	97	43																	
30.5	D				30.50M		100													
31.50-31.95	P	99	43	SW	Grayish fine to medium SAND															
32	D						100													
33.00-33.45	P	105	44																	
33.5	D						100													
34.50-34.95	P	108	44																	
35	D				35.50M		100													

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 01-02-2024 | Date completed: 02-02-2024

BH: 10 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	1	1	CL	Grayish CLAY with Silt															
2	U							100							0.10	7		39.70	25.91	13.79
2.5	P																			
3.0-3.45	P	2	2																	
3.5	D																			
4.5-4.95	P	4	4																	
5	U							100	1.80	1.49	2.67	0.79	20.44		0.30	7	0.15	37.98	25.39	12.59
6.0-6.45	P	6	6																	
6.5	D																			
7.5-7.95	P	9	9																	
8	U							100	1.94		2.66				0.61	8		37.23	25.17	12.06
9.0-9.45	P	11	11																	
9.5	D																			
10.5-10.95	P	14	14																	
11	U							100												
12.00-12.45	P	15	15																	
12.5	D																			
13.5-13.95	P	20	15																	
14	D				14.00M			100	1.90		2.64					31		36.55	24.97	11.58
15.00-15.45	P	45	23	SW	Grayish fine to medium SAND															
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 01-02-2024 | Date completed: 02-02-2024

BH: 10 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	49	33	SW	Grayish fine to medium SAND															
17	D						100		2.12		2.65					36				
18.0-18.45	P	55	35																	
18.5	D						100													
19.50-19.95	P	60	39																	
20	D						100													
21.0-21.45	P	66	40																	
21.5	D						100													
22.5-22.95	P	70	41																	
23	D						100		2.27		2.64					38				
24.0-24.45	P	75	42																	
24.5	D						100													
25.5-25.95	P	78	43																	
26	D						100													
27.0-27.45	P	81	43																	
27.5	D						100													
28.5-28.95	P	86	44																	
29	D						100		2.35		2.64					39				
30.0-30.45	P	90	45																	
30.5	D						100													
31.50-31.95	P	94	46																	
32	D						100													
33.00-33.45	P	97	46																	
33.5	D						100													
34.50-34.95	P	102	47																	
35	D				35.00M		100		1.41		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 03-02-2024 | Date completed: 06-02-2024

BH: 11 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	2	2	CL	Organic CLAY															
2	U							100	1.60	1.23	2.67	1.17	30.24		0.13	7	0.27	38.36	25.51	12.85
2.5	P																			
3.0-3.45	P	4	4																	
3.5	D																			
4.5-4.95	P	6	6																	
5	U							100	1.84	1.46	2.67	0.83	26.32		0.40	7	0.17	36.69	25.01	11.68
6.0-6.45	P	9	9																	
6.5	D																			
7.5-7.95	P	11	11																	
8	U				8.50M			100	1.98		2.66				0.73	8		36.20	24.86	11.34
9.0-9.45	P	15	15		Silty CLAY															
9.5	D																			
10.5-10.95	P	19	19																	
11	U							100	2.10		2.66			1.56	0.78			35.88	24.76	11.12
12.00-12.45	P	22	22																	
12.5	D																			
13.5-13.95	P	27	27																	
14	U				14.50M			100												
15.00-15.45	P	31	20	SC	SANDY Clay															
15.5	D						85	15	2.08		2.65					33				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 03-02-2024 | Date completed: 06-02-2024

BH: 11 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	34	22	SC	SANDY Clay															
17	D						90	10	2.11		2.65					34				
18.0-18.45	P	39	24																	
18.5	D				18.50M															
19.50-19.95	P	46	28	SW	Brownish medium SAND															
20	D						100		2.21							35				
21.0-21.45	P	57	33																	
21.5	D						100													
22.5-22.95	P	66	37																	
23	D						100		2.25		2.64					37				
24.0-24.45	P	71	39																	
24.5	D						100													
25.5-25.95	P	82	44																	
26	D						100													
27.0-27.45	P	90	46																	
27.5	D						100													
28.5-28.95	P	103	52																	
29	D						100		2.31		2.64					40				
30.0-30.45	P	106	51																	
30.5	D						100													
31.50-31.95	P	113	53																	
32	D						100													
33.00-33.45	P	115	53																	
33.5	D						100													
34.50-34.95	P	118	52																	
35	D				35.50M		100		2.41		2.64					41				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 07-02-2024 | Date completed: 08-02-2024

BH: 12 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	3	3	CL	CLAY with Silt															
2	U							100	1.66	1.29	2.65	1.05	28.21		0.19	7	0.23	38.69	25.61	13.08
2.5	P																			
3.0-3.45	P	8	8																	
3.5	D																			
4.5-4.95	P	13	13																	
5	U				5.50M			100	1.97	1.66	2.65	0.59	18.32		0.87	8	0.10	36.21	24.86	11.35
6.0-6.45	P	10	10		Organic Clay															
6.5	D																			
7.5-7.95	P	13	13																	
8	U							100	2.02		2.66			1.78	0.89			36.11	24.83	11.28
9.0-9.45	P	17	17																	
9.5	D				9.50M															
10.5-10.95	P	21	21		CLAY with Silt															
11	U							100	2.12		2.66									
12.00-12.45	P	27	27																	
12.5	D																			
13.5-13.95	P	30	30																	
14	U							100	2.19		2.67			2.04	1.02			35.73	24.72	11.01
15.00-15.45	P	33	33																	
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 07-02-2024 | Date completed: 08-02-2024

BH: 12 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	45	45	CL	CLAY with Silt															
17	U				17.50M		100		2.23		2.66			3.88	1.94					
18.0-18.45	P	53	31	SW	Brownish medium SAND															
18.5	D																			
19.50-19.95	P	58	32																	
20	D						100		2.25							37				
21.0-21.45	P	64	35																	
21.5	D						100													
22.5-22.95	P	74	40																	
23	D						100		2.28		2.64					38				
24.0-24.45	P	79	40																	
24.5	D						100													
25.5-25.95	P	84	42																	
26	D						100													
27.0-27.45	P	87	42																	
27.5	D						100													
28.5-28.95	P	93	44																	
29	D						100		2.35		2.64					39				
30.0-30.45	P	99	45																	
30.5	D						100													
31.50-31.95	P	103	46																	
32	D						100													
33.00-33.45	P	106	45																	
33.5	D						100													
34.50-34.95	P	109	45																	
35.5	D				35.50M		100		2.4		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 09-02-2024 | Date completed: 10-02-2024

BH: 13 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm^3	Dry density, gms/cm^3	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm^2)	Cohesion 'c' Kg/cm^2	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	5	5																	
2	U				Silty CLAY			100	1.80	1.43	2.67	0.86	25.63		0.33	7	0.18	37.33	25.20	12.13
2.5	P																			
3.0-3.45	P	6	6																	
3.5	D				3.50M															
4.5-4.95	P	3	3		Organic CLAY															
5	U							100	1.69	1.33	2.67	1.01	27.25		0.20	7	0.22	39.32	25.80	13.52
6.0-6.45	P	4	4																	
6.5	D																			
7.5-7.95	P	5	5																	
8	U			CL	8.50M			100	1.82		2.66				0.35	8		38.50	25.55	12.95
9.0-9.45	P	12	12																	
9.5	D																			
10.5-10.95	P	19	19																	
11	U							100	2.10		2.66			1.7	0.85			36.53	24.96	11.57
12.00-12.45	P	24	24		Silty CLAY															
12.5	D																			
13.5-13.95	P	29	29																	
14	U																			
15.00-15.45	P	32	32																	
15.5	D							100	2.21		2.65			2.42	1.21			35.69	24.71	10.98

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 09-02-2024 | Date completed: 10-02-2024

BH: 13 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PI%	PI%
16.5-16.95	P	37	37	CL	Silty CLAY															
17	U				17.50 M			100	2.23		2.65			2.62	1.31					
18.0-18.45	P	41	24	SW	Brownish medium SAND															
18.5	D																			
19.50-19.95	P	47	27																	
20	D						100		2.25		2.65					35				
21.0-21.45	P	53	29																	
21.5	D						100													
22.5-22.95	P	55	29																	
23	D						100		2.31		2.64					36				
24.0-24.45	P	59	31																	
24.5	D						100													
25.5-25.95	P	64	32																	
26	D						100													
27.0-27.45	P	71	35																	
27.5	D						100													
28.5-28.95	P	77	37																	
29	D						100		2.37		2.64					37				
30.0-30.45	P	81	37																	
30.5	D						100													
31.50-31.95	P	89	40																	
32	D						100													
33.00-33.45	P	96	42																	
33.5	D						100													
34.50-34.95	P	101	42																	
35	D				35.50M		100		2.43		2.64					39				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 10-02-2024 | Date completed: 13-02-2024

BH: 14 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	3	3																	
2	U				Grayish CLAY with Silt			100	1.70	1.33	2.65	0.99	27.52		0.24	7	0.22	39.58	25.87	13.71
2.5	P																			
3.0-3.45	P	6	6																	
3.5	D				3.50M															
4.5-4.95	P	4	4																	
5	U							100	1.78	1.38	2.65	0.91	28.63		0.27	7	0.19	38.68	25.60	13.08
6.0-6.45	P	5	5																	
6.5	D				Organic Clay															
7.5-7.95	P	8	8	CL																
8	U							100	1.92		2.66				0.53	8		37.16	25.15	12.01
9.0-9.45	P	10	10																	
9.5	D				9.50M															
10.5-10.95	P	14	14																	
11	U							100	2.04		2.66									
12.00-12.45	P	19	19		Grayish CLAY with Silt															
12.5	D																			
13.5-13.95	P	24	24																	
14	U				14.50M			100	2.14		2.67			3.2	1.6			36.22	24.87	11.35
15.00-15.45	P	31	18		Grayish medium SAND															
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 10-02-2024 | Date completed: 13-02-2024

BH: 14 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PI%	PI%
16.5-16.95	P	41	26	SW	Grayish medium SAND															
17	D						100		2.17		2.66					35				
18.0-18.45	P	47	29																	
18.5	D																			
19.50-19.95	P	56	34																	
20	D						100		2.19		2.66					37				
21.0-21.45	P	61	36																	
21.5	D						100													
22.5-22.95	P	67	38																	
23	D						100		2.22		2.64					38				
24.0-24.45	P	71	39																	
24.5	D						100													
25.5-25.95	P	79	42																	
26	D						100													
27.0-27.45	P	86	45																	
27.5	D						100													
28.5-28.95	P	94	47																	
29	D						100		2.29		2.64					39				
30.0-30.45	P	99	49																	
30.5	D						100													
31.50-31.95	P	103	49																	
32	D						100													
33.00-33.45	P	108	50																	
33.5	D						100													
34.50-34.95	P	111	50																	
35.5	D				35.50M		100		2.36		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 16-02-2024 | Date completed: 17-02-2024

BH: 15 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
1.5-1.95	P	7	7	CL	Grayish CLAY with Silt															
2	U							100	1.87	1.51	2.65	0.75	23.65		0.47	7	0.14	36.14	24.57	11.57
2.5	P																			
3.0-3.45	P	10	10																	
3.5	D																			
4.5-4.95	P	13	13																	
5	U							100	2.02	1.57	2.65	0.69	28.63		0.88	7	0.13	36.10	24.83	11.27
6.0-6.45	P	19	19																	
6.5	D																			
7.5-7.95	P	18	18																	
8	U							100	2.10		2.66				0.60	8		35.72	24.56	11.16
9.0-9.45	P	18	18																	
9.5	D																			
10.5-10.95	P	24	24																	
11	U							100	2.14		2.66									
12.00-12.45	P	39	39																	
12.5	D																			
13.5-13.95	P	44	44																	
14	U				14.50M			100	2.17		2.67			3.3	1.65			35.14	24.54	10.60
15.00-15.45	P	51	32		Grayish medium SAND															
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 16-02-2024 | Date completed: 17-02-2024

BH: 15 | DEPTH OF WATER TABLE=0.00M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PL%	PI%
16.5-16.95	P	59	36																	
17	D						100		2.23		2.66					37				
18.0-18.45	P	64	38																	
18.5	D																			
19.50-19.95	P	68	39																	
20	D						100		2.26		2.66					38				
21.0-21.45	P	73	41																	
21.5	D						100													
22.5-22.95	P	80	43																	
23	D						100		2.30		2.64					39				
24.0-24.45	P	84	44																	
24.5	D						100													
25.5-25.95	P	91	47	SW	Grayish medium SAND															
26	D						100													
27.0-27.45	P	87	43																	
27.5	D						100													
28.5-28.95	P	93	45																	
29	D						100		2.39		2.64					40				
30.0-30.45	P	97	45																	
30.5	D						100													
31.50-31.95	P	103	47																	
32	D						100													
33.00-33.45	P	107	47																	
33.5	D						100													
34.50-34.95	P	111	47																	
35.5	D				35.50M		100		2.42		2.64					40				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING	Boring dia: 150mm	Date Commenced: 14-02-2024	Date completed: 16-02-2024
BH: 16	DEPTH OF WATER TABLE=0.50M From EGL		

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PI%	PI%
1.5-1.95	P	5	5																	
2	U							100	1.81	1.44	2.65	0.84	25.63		0.33	7	0.17	38.69	25.61	13.08
2.5	P																			
3.0-3.45	P	13	13																	
3.5	D																			
4.5-4.95	P	17	17																	
5	U							100	2.09	1.74	2.65	0.52	20.21		0.96	8	0.08	37.60	25.28	12.32
6.0-6.45	P	8	8																	
6.5	D																			
7.5-7.95	P	14	14	CL	Reddish,Brown CLAY with Silt															
8	U							100	2.04		2.66				0.93	8		36.48	24.94	11.54
9.0-9.45	P	19	19																	
9.5	D																			
10.5-10.95	P	21	21																	
11	U							100	2.12		2.66									
12.00-12.45	P	25	25																	
12.5	D																			
13.5-13.95	P	29	29																	
14	U				14.50M			100	2.18		2.67			3.48	1.74			35.17	24.55	10.62
15.00-15.45	P	37	19		Grayish medium SAND															
15.5	D																			

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

BORE LOG CUM LABORATORY TEST RESULT

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

Boring method: AUGER & WASH BORING | Boring dia: 150mm | Date Commenced: 14-02-2024 | Date completed: 16-02-2024

BH: 16 | DEPTH OF WATER TABLE=0.50M From EGL

Depth in meters below reference	Types of Sample	Observed N-Value	Corrected N-Value	Group Symbol	Visual description of soil	% Gravel > 4.75 mm	% Sand 4.75-0.075 mm	% Silt and Clay <0.075mm	Field density, gms/cm³	Dry density, gms/cm³	Specific Gravity	Void Ratio	Natural moisture content	Unconfined compressive Strength (Kg/cm²)	Cohesion 'c' Kg/cm²	Angle of shearing resistance (Φ°)	Compression Index Cc	LL%	PI.%	PI%
16.5-16.95	P	43	27	SW	Grayish medium SAND															
17	D						100		2.18		2.66					35				
18.0-18.45	P	53	32																	
18.5	D																			
19.50-19.95	P	61	36																	
20	D						100		2.21		2.66					37				
21.0-21.45	P	63	36																	
21.5	D						100													
22.5-22.95	P	65	36																	
23	D						100		2.25		2.64					38				
24.0-24.45	P	80	43																	
24.5	D						100													
25.5-25.95	P	86	44																	
26	D						100													
27.0-27.45	P	93	47																	
27.5	D						100													
28.5-28.95	P	101	49																	
29	D						100		2.32		2.64					40				
30.0-30.45	P	104	49																	
30.5	D						100													
31.50-31.95	P	109	50																	
32	D						100													
33.00-33.45	P	111	50																	
33.5	D						100													
34.50-34.95	P	118	51																	
35.5	D				35.50M		100		2.38		2.64					41				

U: Undisturbed Sample:: D: Disturbed Sample:: P: Standard Penetration test:: EGL: Existing Ground Level :: R : Refusal N>100, NP: Non plastic

:ANNEX-II:

BORE LOG CHART

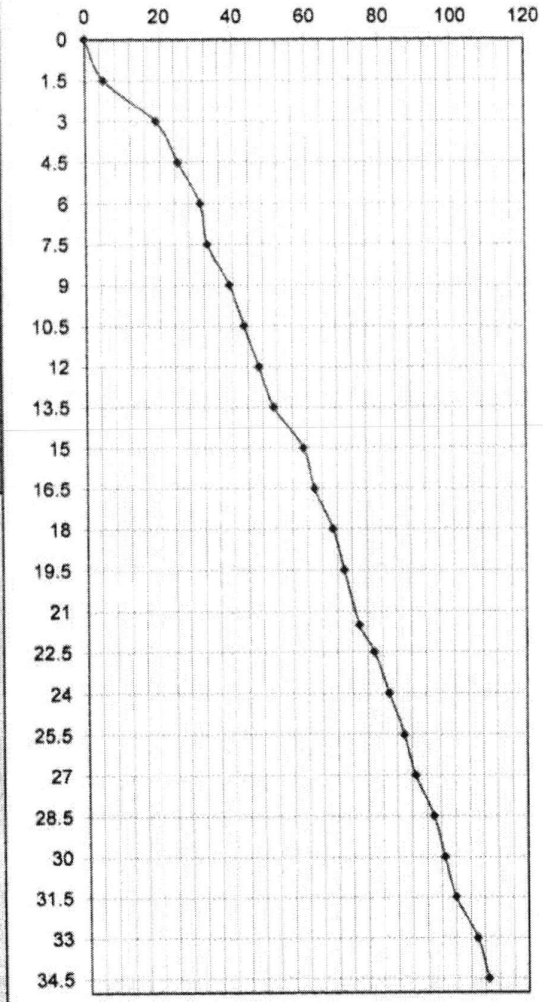
BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 01	DATE OF STARTING: 29-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 30-01-2024	0.0M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
0.00-0.50						Filling SAND	
1.5-1.95	P	1	2	3	5		
2	U						
2.5	P						
3.0-3.45	P	5	8	11	19		
3.5	D						
4.5-4.95	P	6	11	14	25		
5	U						
6.0-6.45	P	7	13	18	31		
6.5	D						
7.5-7.95	P	9	14	19	33		
8	U					Grayish CLAY with Silt	
9.0-9.45	P	11	17	22	39		
9.5	D						
10.5-10.95	P	13	19	24	43		
11	U						
12.00-12.45	P	14	21	26	47		
12.5	D						
13.5-13.95	P	16	24	27	51		
14	U						
15.00-15.45	P	17	29	30	59		
15.5	D						
16.5-16.95	P	18	30	32	62		
17	U					18.00M	
18.0-18.45	P	21	32	35	67		
18.5	D						
19.50-19.95	P	22	33	37	70		
20	D						
21.0-21.45	P	24	35	39	74		
21.5	D						
22.5-22.95	P	24	37	41	78		
23	D						
24.0-24.45	P	27	39	43	82		
24.5	D						
25.5-25.95	P	28	41	45	86		
26	D					Grayish fine to medium SAND	
27.0-27.45	P	30	42	47	89		
27.5	D						
28.5-28.95	P	31	45	49	94		
29	D						
30.0-30.45	P	32	46	51	97		
30.5	D						
31.50-31.95	P	35	48	52	100		
32	D						
33.00-33.45	P	36	52	54	106		
33.5	D						
34.50-34.95	P	38	53	56	109		
35.5	D					35.50M	

GRAPHICAL REPRESENTATION OF N-Value



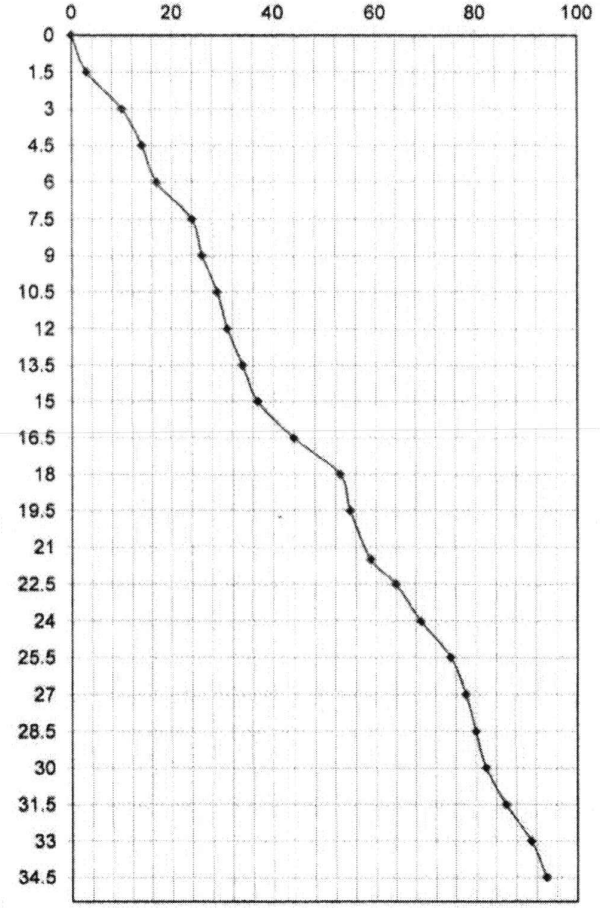
U: UNDISTURBED SAMPLE::
D: DISTURBED SAMPLE::
P: STANDARD PENETRATION TEST::
EGL: EXISTING GROUND LEVEL
R:REFUSAL:N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 02	DATE OF STARTING: 25-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 26-01-2024	1.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	1	2	3		
2	U						
2.5	P						
3.0-3.45	P	3	4	6	10		
3.5	D						
4.5-4.95	P	4	6	8	14		
5	U						
6.0-6.45	P	5	8	9	17		
6.5	D						
7.5-7.95	P	6	11	13	24		
8	U						
9.0-9.45	P	7	12	14	26		
9.5	D					Grayish CLAY with Silt	
10.5-10.95	P	8	13	16	29		
11	U						
12.00-12.45	P	9	14	17	31		
12.5	D						
13.5-13.95	P	11	16	18	34		
14	U						
15.00-15.45	P	13	18	19	37		
15.5	D						
16.5-16.95	P	14	21	23	44		
17	U						
18.0-18.45	P	17	25	28	53		
18.5	D					18.50M	
19.50-19.95	P	19	26	29	55		
20	D						
21.0-21.45	P	21	28	31	59		
21.5	D						
22.5-22.95	P	25	31	33	64		
23	D						
24.0-24.45	P	26	33	36	69		
24.5	D						
25.5-25.95	P	28	36	39	75		
26	D						
27.0-27.45	P	30	37	41	78	Grayish fine to medium SAND	
27.5	D						
28.5-28.95	P	31	38	42	80		
29	D						
30.0-30.45	P	32	39	43	82		
30.5	D						
31.50-31.95	P	34	41	45	86		
32	D						
33.00-33.45	P	35	43	48	91		
33.5	D						
34.50-34.95	P	36	45	49	94		
35	D					35.50M	



U: UNDISTURBED SAMPLE:: **D: DISTURBED SAMPLE::** **P: STANDARD PENETRATION TEST::**

EGL: EXISTING GROUND LEVEL **R:REFUSAL;N>100::**

BORE LOG CHART

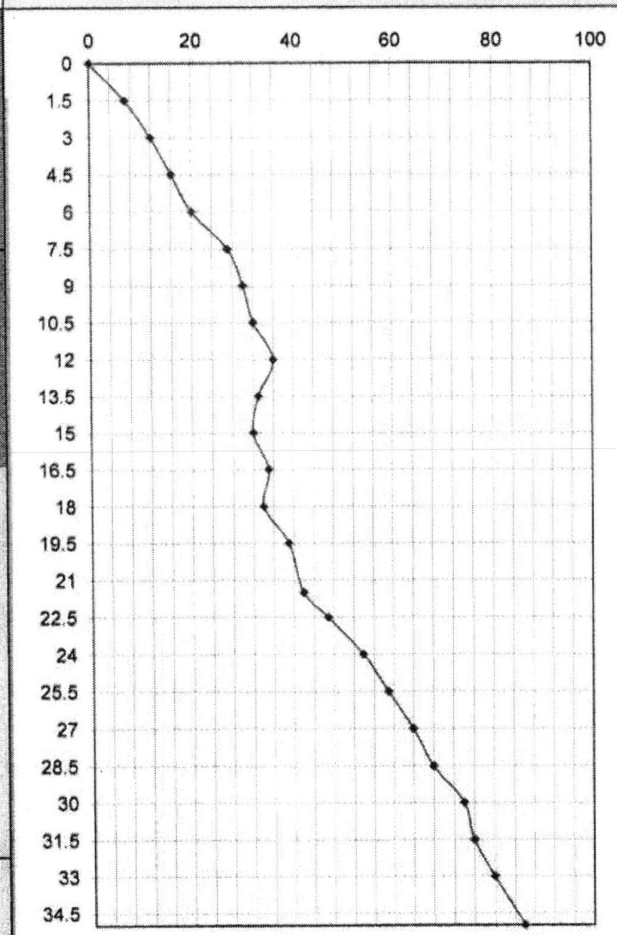
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 03	DATE OF STARTING: 21-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 24-01-2024	1.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL
1.5-1.95	P	4	6	8	7	Grayish CLAY with Silt
2	U					
2.5	P					
3.0-3.45	P	5	7	10	12	
3.5	D					
4.5-4.95	P	6	9	13	16	
5	U					
6.0-6.45	P	7	11	15	20	
6.5	D					
7.5-7.95	P	8	14	17	27	
8	U					
9.0-9.45	P	7	13	14	30	
9.5	D					
10.5-10.95	P	9	14	16	32	
11	U					
12.00-12.45	P	10	16	17	36	
12.5	D					
13.5-13.95	P	9	15	16	33	
14	U					
15.00-15.45	P	10	16	18	32	
15.5	D					16.50M
16.5-16.95	P	12	14	16	35	
17	D					
18.0-18.45	P	13	15	17	34	
18.5	D					
19.50-19.95	P	12	17	19	39	
20	D					
21.0-21.45	P	14	21	23	42	
21.5	D					
22.5-22.95	P	17	22	25	47	Grayish fine to medium SAND
23	D					
24.0-24.45	P	18	26	28	54	
24.5	D					
25.5-25.95	P	19	28	31	59	
26	D					
27.0-27.45	P	21	31	33	64	
27.5	D					
28.5-28.95	P	22	23	35	68	
29	D					30.00M
30.0-30.45	P	24	36	33	74	Grayish medium to Coarse SAND
30.5	D					
31.50-31.95	P	26	37	39	76	
32	D					
33.00-33.45	P	28	39	41	80	
33.5	D					
34.50-34.95	P	30	41	45	86	
35	D					35.50M

LOG

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

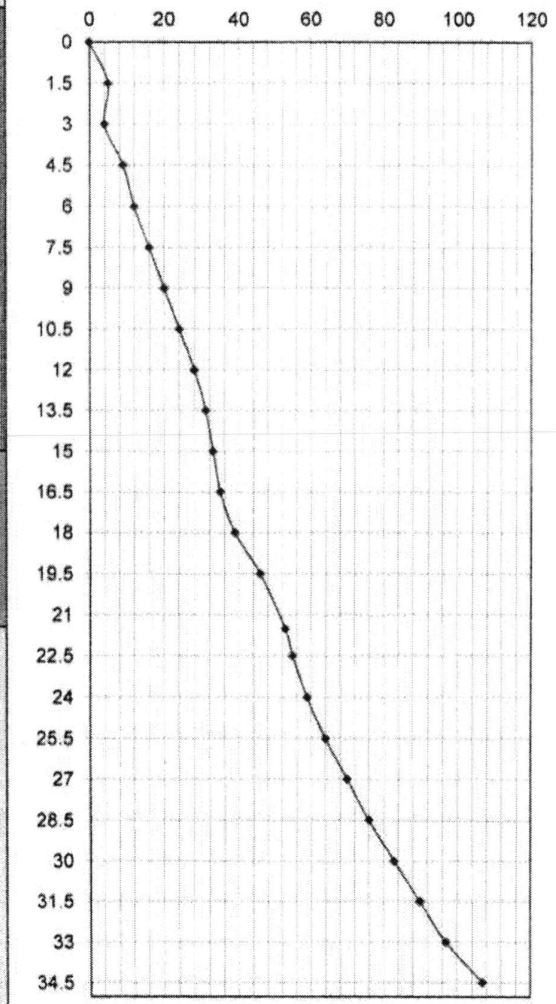
EGL: EXISTING GROUND LEVEL R:REFUSAL:N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 04	DATE OF STARTING: 06-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 07-02-2024	0.50M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
0.00-0.50						Filling SAND	
1.5-1.95	P	1	2	3	5		
2	U						
2.5	P						
3.0-3.45	P	1	2	2	4		
3.5	D						
4.5-4.95	P	2	3	6	9		
5	U						
6.0-6.45	P	3	5	7	12		
6.5	D					Grayish CLAY with Silt	
7.5-7.95	P	5	7	9	16		
8	U						
9.0-9.45	P	6	9	11	20		
9.5	D						
10.5-10.95	P	7	11	13	24		
11	U						
12.00-12.45	P	8	13	15	28		
12.5	D						
13.5-13.95	P	9	14	17	31		
14	U						
15.00-15.45	P	11	15	18	33		
15.5	D					15.50M	
16.5-16.95	P	12	16	19	35		
17	D						
18.0-18.45	P	14	18	21	39		
18.5	D					Brownish SANDY Clay	
19.50-19.95	P	16	22	24	46		
20	D						
21.0-21.45	P	17	25	28	53		
21.5	D					21.50M	
22.5-22.95	P	19	26	29	55		
23	D						
24.0-24.45	P	21	28	31	59		
24.5	D						
25.5-25.95	P	23	31	33	64		
26	D						
27.0-27.45	P	25	34	36	70		
27.5	D						
28.5-28.95	P	28	37	39	76	Grayish medium SAND	
29	D						
30.0-30.45	P	31	41	42	83		
30.5	D						
31.50-31.95	P	32	44	46	90		
32	D						
33.00-33.45	P	35	46	51	97		
33.5	D						
34.50-34.95	P	41	52	55	107		
35.5	D					35.50M	



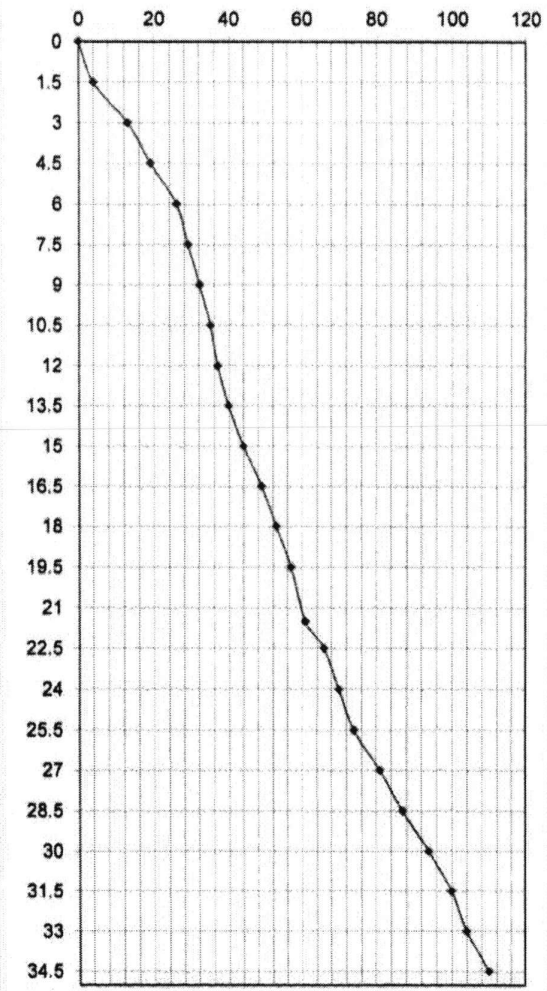
U: UNDISTURBED SAMPLE::
D: DISTURBED SAMPLE::
P: STANDARD PENETRATION TEST::
EGL: EXISTING GROUND LEVEL
R:REFUSAL:N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 05	DATE OF STARTING: 31-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 02-02-2024	0.50M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
0.00-1.50						Filling SAND	
1.5-1.95	P	1	2	2	4		
2	U						
2.5	P						
3.0-3.45	P	3	4	9	13		
3.5	D						
4.5-4.95	P	5	8	11	19		
5	U						
6.0-6.45	P	7	12	14	26		
6.5	D						
7.5-7.95	P	8	13	16	29		
8	U						
9.0-9.45	P	10	14	18	32		
9.5	D						
10.5-10.95	P	11	15	20	35		
11	U					Grayish CLAY with Silt	
12.00-12.45	P	12	16	21	37		
12.5	D						
13.5-13.95	P	13	17	23	40		
14	U						
15.00-15.45	P	14	19	25	44		
15.5	D						
16.5-16.95	P	16	22	27	49		
17	U						
18.0-18.45	P	18	24	29	53		
18.5	D						
19.50-19.95	P	19	26	31	57		
20	U						
21.0-21.45	P	21	28	33	61		
21.5	D						
22.5-22.95	P	22	31	35	66		
23	U					23.00M	
24.0-24.45	P	23	33	37	70		
24.5	D						
25.5-25.95	P	24	35	39	74		
26	D						
27.0-27.45	P	25	41	40	81		
27.5	D						
28.5-28.95	P	26	42	45	87		
29	D					Grayish fine to medium SAND	
30.0-30.45	P	27	46	48	94		
30.5	D						
31.50-31.95	P	31	49	51	100		
32	D						
33.00-33.45	P	34	51	53	104		
33.5	D						
34.50-34.95	P	38	54	56	110		
35.5	D					35.50M	



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

EGL: EXISTING GROUND LEVEL R:REFUSAL;N>100::

BORE LOG CHART

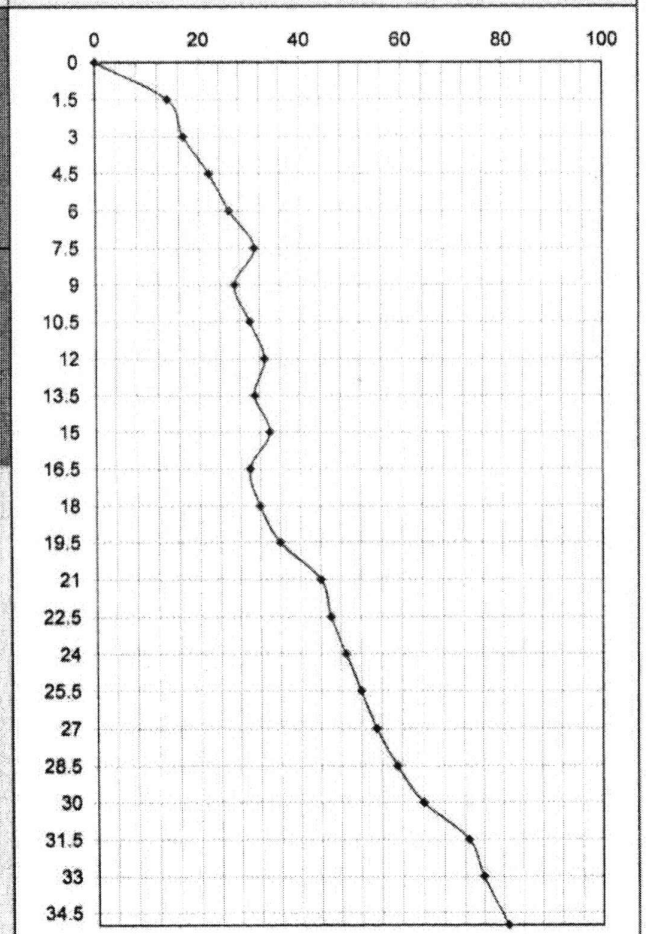
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 06	DATE OF STARTING: 20-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 23-01-2024	0.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL
1.5-1.95	P	4	6	8	14	Grayish CLAY with Silt
2	U					
2.5	P					
3.0-3.45	P	5	7	10	17	
3.5	D					
4.5-4.95	P	6	9	13	22	
5	U					
6.0-6.45	P	7	11	15	26	
6.5	D					
7.5-7.95	P	8	14	17	31	
8	U					
9.0-9.45	P	7	13	14	27	
9.5	D					
10.5-10.95	P	9	14	16	30	
11	U					
12.00-12.45	P	10	16	17	33	
12.5	D					
13.5-13.95	P	9	15	16	31	
14	U					
15.00-15.45	P	10	16	18	34	
15.5	D					
16.5-16.95	P	12	14	16	30	Grayish CLAY with Silt
17	U					
18.0-18.45	P	13	15	17	32	
18.5	D					19.50M
19.50-19.95	P	12	17	19	36	Grayish sandy CLAY
20	D					
21.0-21.45	P	14	21	23	44	
21.5	D					
22.5-22.95	P	15	22	24	46	
23	D					24.00M
24.0-24.45	P	16	23	26	49	Grayish fine to medium SAND
24.5	D					
25.5-25.95	P	18	25	27	52	
26	D					
27.0-27.45	P	19	26	29	55	
27.5	D					28.50M
28.5-28.95	P	21	28	31	59	Grayish fine to medium SAND with Silt
29	D					
30.0-30.45	P	23	31	33	64	
30.5	D					
31.50-31.95	P	28	35	38	73	
32	D					
33.00-33.45	P	29	37	39	76	
33.5	D					
34.50-34.95	P	31	39	42	81	
35	D					35.50M

LOG

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

EGL: EXISTING GROUND LEVEL R:REFUSAL;N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 07

DATE OF STARTING: 25-01-2024
DATE OF COMPLETION: 26-01-2024

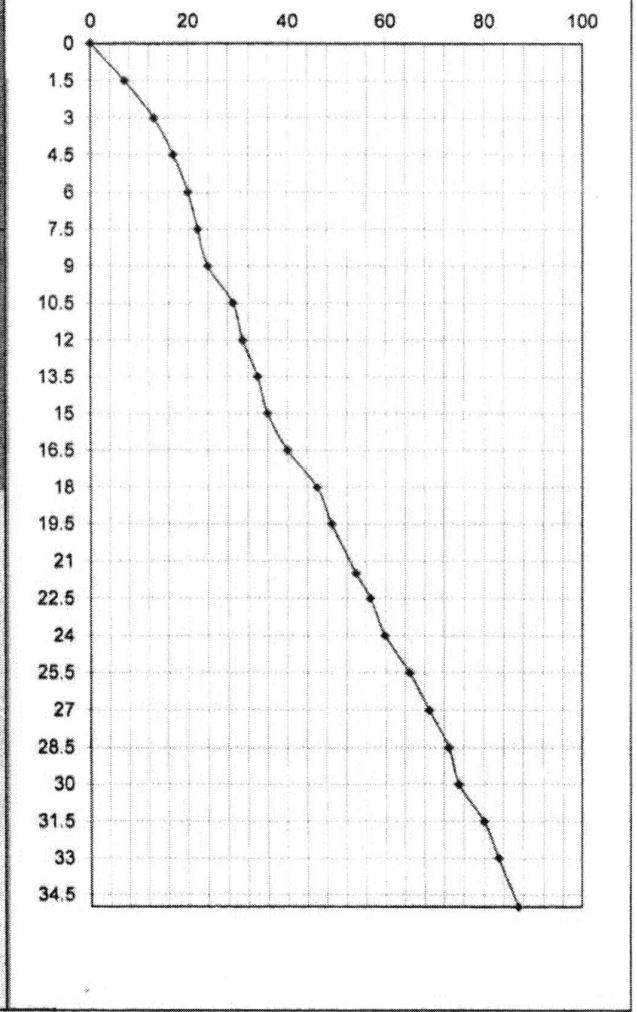
GROUND WATER LEVEL: 1.50M From EGL

AUGER & WASH BORING

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL
1.5-1.95	P	2	3	4	7	
2	U					
2.5	P					
3.0-3.45	P	4	6	7	13	
3.5	D					
4.5-4.95	P	5	8	9	17	
5	U					
6.0-6.45	P	6	9	11	20	
6.5	D					
7.5-7.95	P	7	10	12	22	
8	U					Grayish CLAY with Silt
9.0-9.45	P	8	11	13	24	
9.5	D					
10.5-10.95	P	9	13	16	29	
11	U					
12.00-12.45	P	10	14	17	31	
12.5	D					
13.5-13.95	P	11	16	18	34	
14	U					
15.00-15.45	P	12	17	19	36	
15.5	D					
16.5-16.95	P	13	19	21	40	
17	U					18.00M
18.0-18.45	P	14	22	24	46	
18.5	D					
19.50-19.95	P	16	23	26	49	
20	D					
21.0-21.45	P	18	25	28	54	
21.5	D					
22.5-22.95	P	22	26	31	57	
23	D					
24.0-24.45	P	23	28	32	60	
24.5	D					
25.5-25.95	P	24	31	34	65	
26	D					Grayish fine to medium SAND
27.0-27.45	P	26	33	36	69	
27.5	D					
28.5-28.95	P	28	35	38	73	
29	D					
30.0-30.45	P	29	36	39	75	
30.5	D					
31.50-31.95	P	30	38	42	80	
32	D					
33.00-33.45	P	31	39	44	83	
33.5	D					
34.50-34.95	P	33	41	46	87	
35	D					35.50M

LOG

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

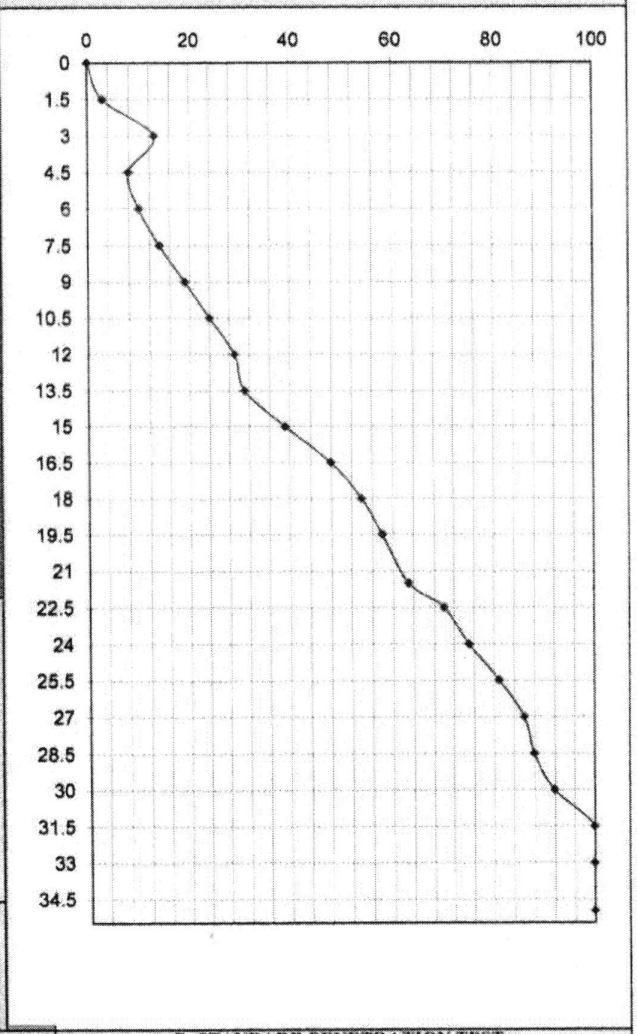
EGL: EXISTING GROUND LEVEL R:REFUSAL;N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 08	DATE OF STARTING: 27-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 28-01-2024	1.50M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	1	2	3		
2	U						
2.5	P						
3.0-3.45	P	4	6	7	13		
3.5	D						
4.5-4.95	P	2	3	5	8		
5	U						
6.0-6.45	P	3	4	6	10		
6.5	D						
7.5-7.95	P	4	6	8	14		
8	U						
9.0-9.45	P	6	8	11	19		
9.5	D						
10.5-10.95	P	8	11	13	24	Grayish CLAY with Silt	
11	U						
12.00-12.45	P	9	13	16	29		
12.5	D						
13.5-13.95	P	11	14	17	31		
14	U						
15.00-15.45	P	13	18	21	39		
15.5	D						
16.5-16.95	P	18	21	27	48		
17	U						
18.0-18.45	P	19	23	31	54		
18.5	D						
19.50-19.95	P	21	25	33	58		
20	U					21.00M	
21.0-21.45	P	23	28	35	63		
21.5	D						
22.5-22.95	P	26	32	24	70		
23	D						
24.0-24.45	P	26	34	41	75		
24.5	D						
25.5-25.95	P	29	38	43	81	Grayish fine to medium SAND	
26	D						
27.0-27.45	P	31	41	45	86		
27.5	D						
28.5-28.95	P	33	42	46	88		
29	D						
30.0-30.45	P	34	44	48	92		
30.5	D					31.50M	
31.50-31.95	P	R	R	R	R		
32	D						
33.00-33.45	P	R	R	R	R	Grayish fine to medium SAND with Silt	
33.5	D						
34.50-34.95	P	R	R	R	R		
35	D					35.50M	



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

EGL: EXISTING GROUND LEVEL R:REFUSAL;N>100::

RELIANT FOUNDATIONS PVT. LTD.

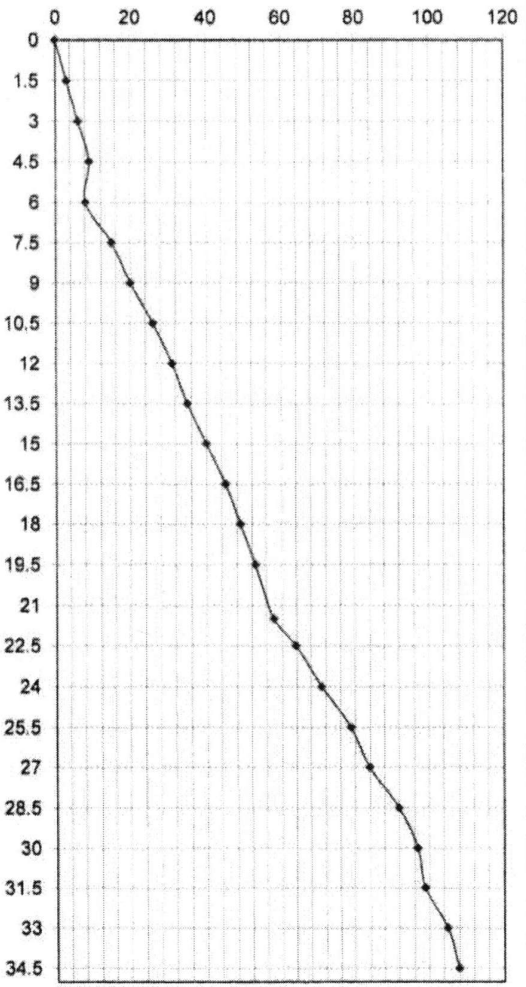
BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 09	DATE OF STARTING: 29-01-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 30-01-2024	1.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
0.00-1.50							
1.5-1.95	P	1	1	2	3	Grayish CLAY with Silt	
2	U						
2.5	P						
3.0-3.45	P	2	3	3	6		
3.5	D						
4.5-4.95	P	3	4	5	9		
5	U						
6.0-6.45	P	3	4	4	8		
6.5	D						
7.5-7.95	P	5	7	8	15		
8	U						
9.0-9.45	P	6	9	11	20		
9.5	D						
10.5-10.95	P	8	12	14	26		
11	U						
12.00-12.45	P	11	14	17	31		
12.5	D						
13.5-13.95	P	12	16	19	35		
14	U						
15.00-15.45	P	13	18	22	40		
15.5	D						
16.5-16.95	P	14	21	24	45		
17	U						
18.0-18.45	P	15	23	26	49		
18.5	D					19.50M	
19.50-19.95	P	16	25	28	53	Grayish fine SAND	
20	D						
21.0-21.45	P	18	27	31	58		
21.5	D						
22.5-22.95	P	19	31	33	64		
23	D						
24.0-24.45	P	21	35	36	71		
24.5	D						
25.5-25.95	P	23	38	41	79		
26	D						
27.0-27.45	P	25	41	43	84		
27.5	D						
28.5-28.95	P	28	44	48	92		
29	D						
30.0-30.45	P	31	46	51	97		
30.5	D					30.50M	
31.50-31.95	P	33	48	51	99	Grayish fine to medium SAND	
32	D						
33.00-33.45	P	35	51	54	105		
33.5	D						
34.50-34.95	P	38	52	56	108		
35.5	D					35.00M	

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: **D: DISTURBED SAMPLE::** **P: STANDARD PENETRATION TEST::**

EGL: EXISTING GROUND LEVEL **R:REFUSAL:N>100::**

PRELIANI FOUNDATIONS PVT. LTD. GHY-35

BORE LOG CHART

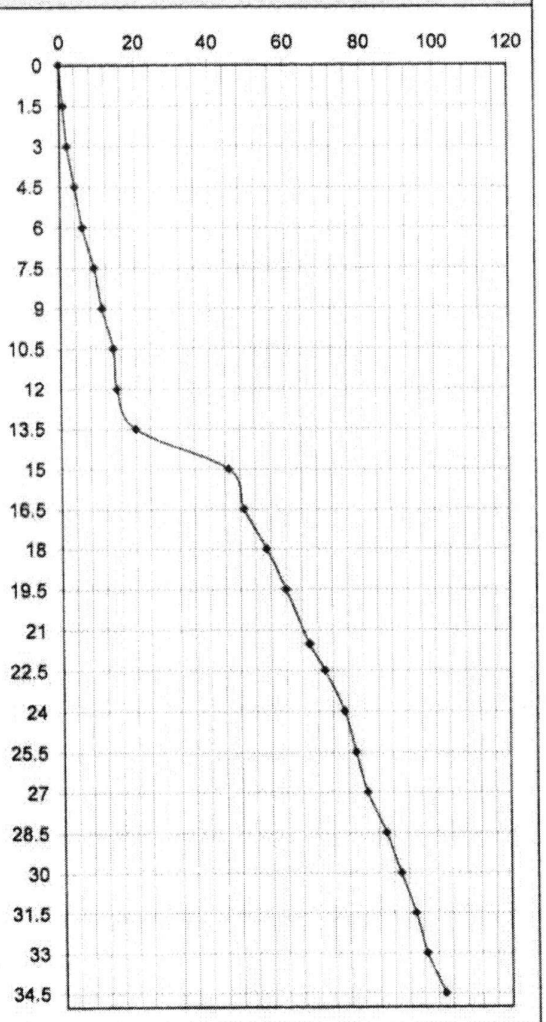
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO:10	DATE OF STARTING: 01-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 02-02-2024	0.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL
1.5-1.95	P	1	0	1	1	Grayish CLAY with Silt
2	U					
2.5	P					
3.0-3.45	P	1	1	1	2	
3.5	D					
4.5-4.95	P	1	2	2	4	
5	U					
6.0-6.45	P	1	3	3	6	
6.5	D					
7.5-7.95	P	1	4	5	9	
8	U					
9.0-9.45	P	2	5	6	11	
9.5	D					
10.5-10.95	P	3	6	8	14	
11	U					
12.00-12.45	P	3	7	8	15	
12.5	D					
13.5-13.95	P	4	9	11	20	
14	U					14.00M
15.00-15.45	P	18	21	24	45	
15.5	D					
16.5-16.95	P	19	23	26	49	
17	D					
18.0-18.45	P	20	25	30	55	
18.5	D					
19.50-19.95	P	21	28	32	60	
20	D					
21.0-21.45	P	23	31	35	66	
21.5	D					
22.5-22.95	P	26	33	37	70	
23	D					
24.0-24.45	P	28	36	39	75	
24.5	D					Grayish fine to medium SAND
25.5-25.95	P	29	37	41	78	
26	D					
27.0-27.45	P	31	39	42	81	
27.5	D					
28.5-28.95	P	31	42	44	86	
29	D					
30.0-30.45	P	32	44	46	90	
30.5	D					
31.50-31.95	P	34	46	48	94	
32	D					
33.00-33.45	P	36	48	49	97	
33.5	D					
34.50-34.95	P	40	50	52	102	
35.5	D					35.50M

LOG

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::

EGL: EXISTING GROUND LEVEL R:REFUSAL;N>100::

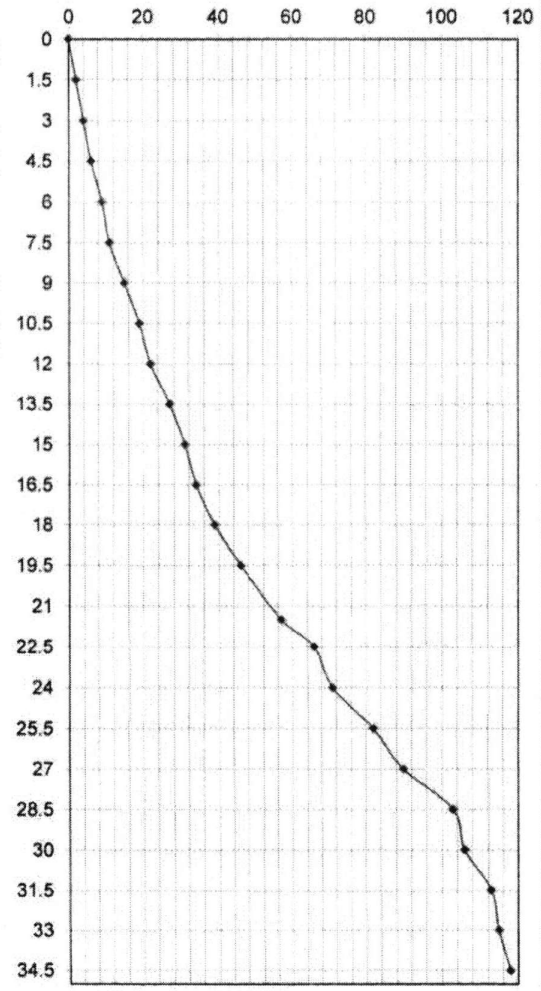
BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO:11	DATE OF STARTING:03-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION: 06-02-2024	0.00M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	1	1	2		
2	U						
2.5	P						
3.0-3.45	P	1	2	2	4		
3.5	D					Organic CLAY	
4.5-4.95	P	1	3	3	6		
5	U						
6.0-6.45	P	2	4	5	9		
6.5	D						
7.5-7.95	P	2	5	6	11		
8	U					8.50M	
9.0-9.45	P	3	7	8	15		
9.5	D						
10.5-10.95	P	5	8	11	19	Silty CLAY	
11	U						
12.00-12.45	P	6	9	13	22		
12.5	D						
13.5-13.95	P	8	11	16	27		
14	U					14.50M	
15.00-15.45	P	10	13	18	31		
15.5	D						
16.5-16.95	P	11	15	19	34	SANDY Clay	
17	D						
18.0-18.45	P	13	18	21	39		
18.5	D					18.50M	
19.50-19.95	P	14	21	25	46		
20	D						
21.0-21.45	P	16	28	29	57		
21.5	D						
22.5-22.95	P	17	31	35	66		
23	D						
24.0-24.45	P	21	32	39	71		
24.5	D						
25.5-25.95	P	25	38	44	82		
26	D						
27.0-27.45	P	31	42	48	90	Brownish medium SAND	
27.5	D						
28.5-28.95	P	35	51	52	103		
29	D						
30.0-30.45	P	40	52	54	106		
30.5	D						
31.50-31.95	P	45	55	58	113		
32	D						
33.00-33.45	P	48	56	59	115		
33.5	D						
34.50-34.95	P	50	57	61	118		
35.5	D					35.50M	

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: **D: DISTURBED SAMPLE::** **P: STANDARD PENETRATION TEST::**

EGL: EXISTING GROUND LEVEL **R:REFUSAL;N>100::**

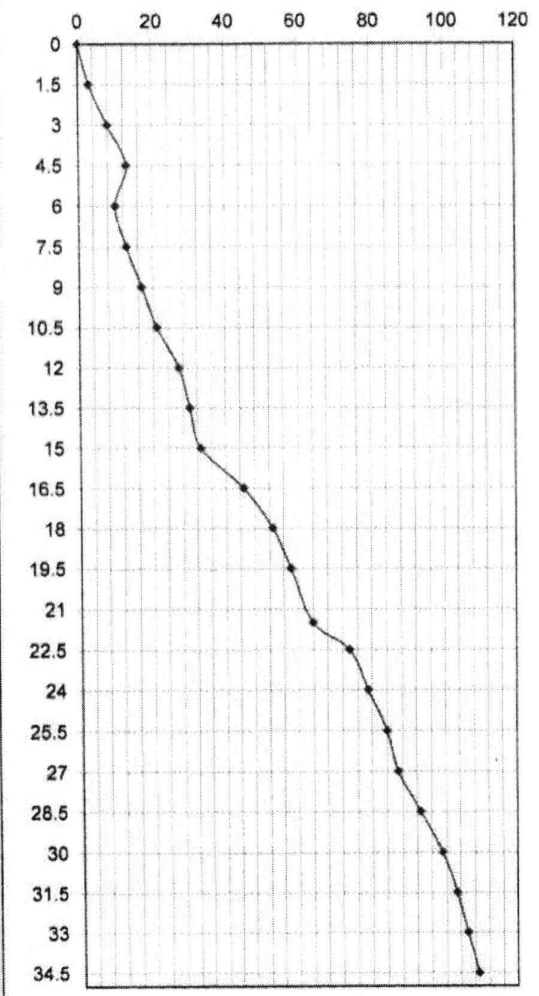
BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 12	DATE OF STARTING: 07-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION:08-02-2024	0.0M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	1	2	3	CLAY with Silt	
2	U						
2.5	P						
3.0-3.45	P	2	3	5	8		
3.5	D						
4.5-4.95	P	3	6	7	13		
5	U					5.50M	
6.0-6.45	P	3	4	6	10	Organic Clay	
6.5	D						
7.5-7.95	P	4	6	7	13		
8	U						
9.0-9.45	P	5	7	10	17		
9.5	D					9.50M	
10.5-10.95	P	6	9	12	21		
11	U						
12.00-12.45	P	7	11	16	27		
12.5	D						
13.5-13.95	P	9	13	17	30	CLAY with Silt	
14	U						
15.00-15.45	P	11	15	18	33		
15.5	D						
16.5-16.95	P	13	21	24	45		
17	U					17.50M	
18.0-18.45	P	15	25	28	53		
18.5	D						
19.50-19.95	P	16	27	31	58		
20	D						
21.0-21.45	P	18	31	33	64		
21.5	D						
22.5-22.95	P	21	35	39	74		
23	D						
24.0-24.45	P	23	38	41	79		
24.5	D						
25.5-25.95	P	25	41	43	84		
26	D					Brownish medium SAND	
27.0-27.45	P	28	42	45	87		
27.5	D						
28.5-28.95	P	31	45	48	93		
29	D						
30.0-30.45	P	34	48	51	99		
30.5	D						
31.50-31.95	P	35	51	52	103		
32	D						
33.00-33.45	P	37	52	54	106		
33.5	D						
34.50-34.95	P	39	53	56	109		
35.5	D					35.50M	

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE:: D: DISTURBED SAMPLE:: P: STANDARD PENETRATION TEST::
EGL: EXISTING GROUND LEVEL R:REFUSAL:N>100::

BORE LOG CHART

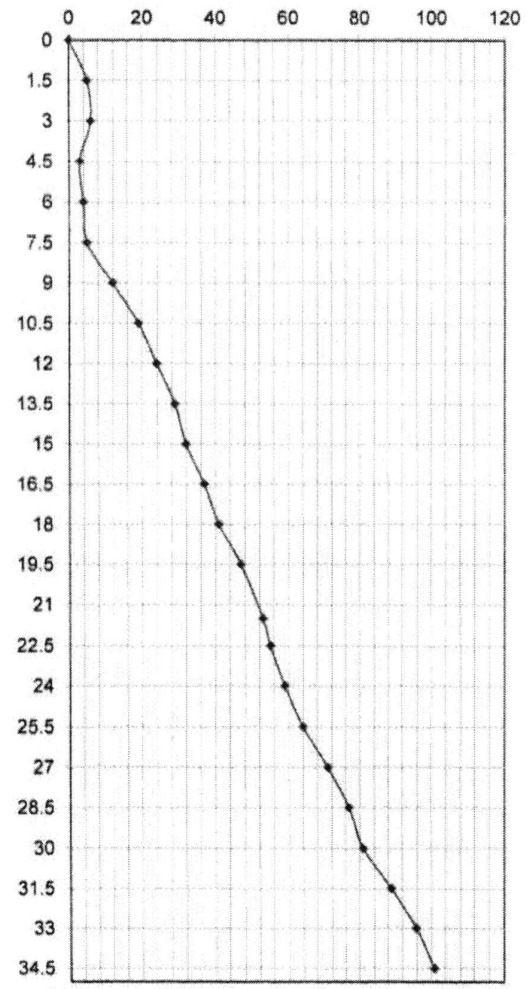
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 13	DATE OF STARTING:09-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION:10-02-2024	0.0M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL
1.5-1.95	P	1	2	3	5	
2	U					Silty CLAY
2.5	P					
3.0-3.45	P	2	3	3	6	
3.5	D					3.50M
4.5-4.95	P	1	1	2	3	
5	U					
6.0-6.45	P	1	2	2	4	Organic CLAY
6.5	D					
7.5-7.95	P	1	2	3	5	
8	U					8.50M
9.0-9.45	P	3	5	7	12	
9.5	D					
10.5-10.95	P	4	8	11	19	
11	U					
12.00-12.45	P	6	11	13	24	
12.5	D					Silty CLAY
13.5-13.95	P	9	13	16	29	
14	U					
15.00-15.45	P	11	14	18	32	
15.5	D					
16.5-16.95	P	12	16	21	37	
17	U					17.50M
18.0-18.45	P	13	18	23	41	
18.5	D					
19.50-19.95	P	14	22	25	47	
20	D					
21.0-21.45	P	16	25	28	53	
21.5	D					
22.5-22.95	P	18	26	29	55	
23	D					
24.0-24.45	P	21	28	31	59	
24.5	D					
25.5-25.95	P	23	31	33	64	
26	D					Brownish medium SAND
27.0-27.45	P	25	34	37	71	
27.5	D					
28.5-28.95	P	28	36	41	77	
29	D					
30.0-30.45	P	29	38	43	81	
30.5	D					
31.50-31.95	P	31	42	47	89	
32	D					
33.00-33.45	P	34	45	51	96	
33.5	D					
34.50-34.95	P	38	49	52	101	
35.5	D					35.50M

LOG

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE::
D: DISTURBED SAMPLE::
P: STANDARD PENETRATION TEST::
EGL : EXISTING GROUND LEVEL
R:REFUSAL:N>100::

BORE LOG CHART

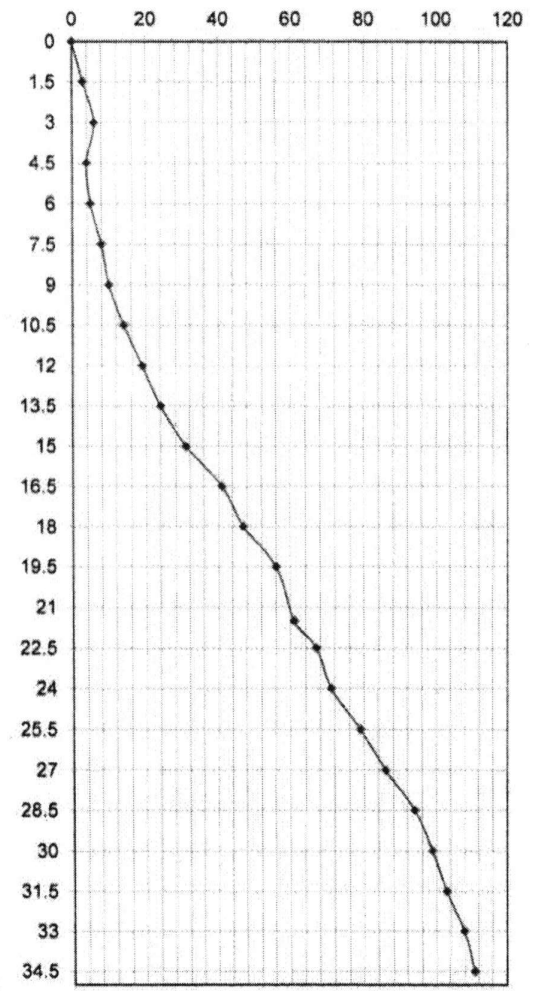
Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 14	DATE OF STARTING: 10-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION:13-02-2024	0.0M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	1	2	3	Grayish CLAY with Silt	
2	U						
2.5	P						
3.0-3.45	P	2	3	3	6		
3.5	D					3.50M	
4.5-4.95	P	1	2	2	4	Organic Clay	
5	U						
6.0-6.45	P	1	2	3	5		
6.5	D						
7.5-7.95	P	2	3	5	8		
8	U						
9.0-9.45	P	3	4	6	10		
9.5	D					9.50M	
10.5-10.95	P	4	6	8	14	Grayish CLAY with Silt	
11	U						
12.00-12.45	P	6	8	11	19		
12.5	D						
13.5-13.95	P	8	11	13	24		
14	U					14.50M	
15.00-15.45	P	11	13	18	31	Grayish medium SAND	
15.5	D						
16.5-16.95	P	13	16	25	41		
17	D						
18.0-18.45	P	14	19	28	47		
18.5	D						
19.50-19.95	P	16	24	32	56		
20	D						
21.0-21.45	P	18	28	33	61		
21.5	D						
22.5-22.95	P	21	32	35	67		
23	D						
24.0-24.45	P	25	34	37	71		
24.5	D						
25.5-25.95	P	25	38	41	79		
26	D						
27.0-27.45	P	27	41	45	86		
27.5	D						
28.5-28.95	P	31	45	49	94		
29	D						
30.0-30.45	P	33	48	51	99		
30.5	D						
31.50-31.95	P	38	51	52	103		
32	D						
33.00-33.45	P	41	53	55	108		
33.5	D						
34.50-34.95	P	43	55	56	111		
35.5	D					35.50M	

RELIANT FOUNDATIONS PVT. LTD. GUWAHATI

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE::
D: DISTURBED SAMPLE::
P: STANDARD PENETRATION TEST::
EGL: EXISTING GROUND LEVEL
R:REFUSAL:N>100::

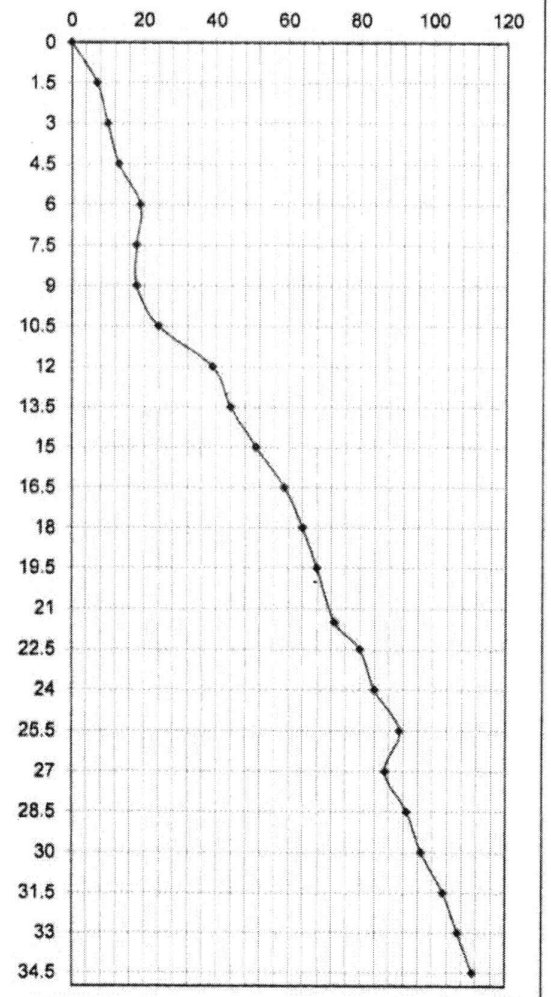
BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 15	DATE OF STARTING:16-02-2024	GROUND WATER LEVEL	AUGER & WASH BORING
	DATE OF COMPLETION:17-02-2024	0.0M From EGL	

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	2	3	4	7		
2	U						
2.5	P						
3.0-3.45	P	3	5	5	10		
3.5	D						
4.5-4.95	P	4	6	7	13		
5	U						
6.0-6.45	P	5	8	11	19		
6.5	D						
7.5-7.95	P	6	9	9	18	Grayish CLAY with Silt	
8	U						
9.0-9.45	P	7	8	10	18		
9.5	D						
10.5-10.95	P	8	11	13	24		
11	U						
12.00-12.45	P	15	18	21	39		
12.5	D						
13.5-13.95	P	16	21	23	44		
14	U					14.50M	
15.00-15.45	P	18	24	27	51		
15.5	D						
16.5-16.95	P	19	28	31	59		
17	D						
18.0-18.45	P	21	31	33	64		
18.5	D						
19.50-19.95	P	23	33	35	68		
20	D						
21.0-21.45	P	24	35	38	73		
21.5	D						
22.5-22.95	P	27	39	41	80		
23	D						
24.0-24.45	P	31	41	43	84		
24.5	D					Grayish medium SAND	
25.5-25.95	P	33	44	47	91		
26	D						
27.0-27.45	P	35	38	49	87		
27.5	D						
28.5-28.95	P	36	41	52	93		
29	D						
30.0-30.45	P	38	44	53	97		
30.5	D						
31.50-31.95	P	41	49	54	103		
32	D						
33.00-33.45	P	42	51	56	107		
33.5	D						
34.50-34.95	P	44	53	58	111		
35.5	D					35.50M	

RELIANT FOUNDATIONS PVT. LTD. GUWAHATI



U: UNDISTURBED SAMPLE::
D: DISTURBED SAMPLE::
P: STANDARD PENETRATION TEST::
EGL: EXISTING GROUND LEVEL
R:REFUSAL:N>100::

BORE LOG CHART

Name of Project: GEO-TECHNICAL INVESTIGATION WORK FOR PROPOSED CONSTRUCTION OF ESTABLISHMENT OF CENTER OF EXCELLENCE IN HEALTHCARE R & D FACILITY OF ASSAM GOVERNMENT - IITG HEALTHCARE FOUNDATION .

BORE HOLE NO: 16

DATE OF STARTING: 14-02-2024

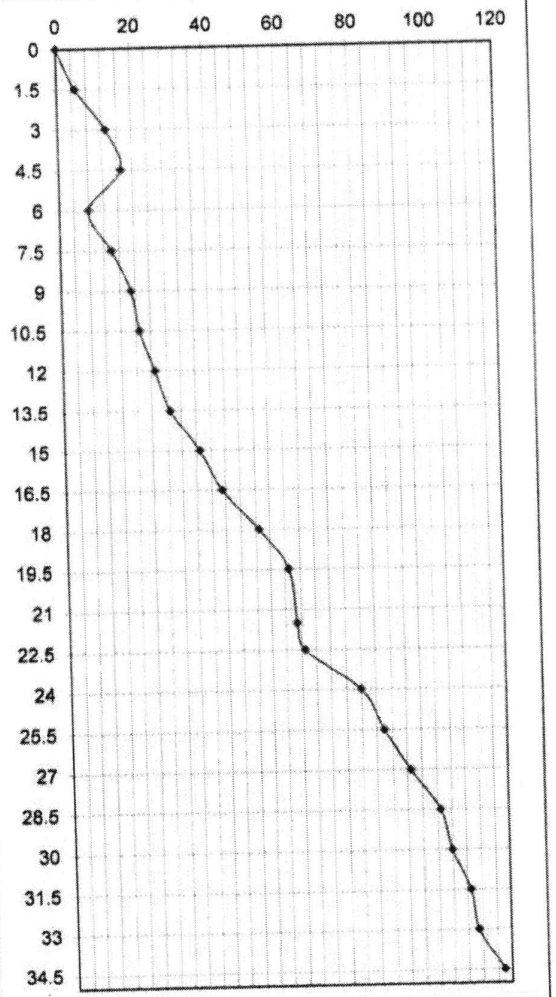
DATE OF COMPLETION:16-02-2024

GROUND WATER LEVEL: 0.50M From EGL

AUGER & WASH BORING

DEPTH (M)	TYPE OF SAMPLE	SPT 15 CM	SPT 15 CM	SPT 15 CM	N-Value	VISUAL DESCRIPTION OF SOIL	LOG
1.5-1.95	P	1	2	3	5	Reddish,Brown CLAY with Silt	
2	U						
2.5	P						
3.0-3.45	P	4	6	7	13		
3.5	D						
4.5-4.95	P	5	8	9	17		
5	U						
6.0-6.45	P	3	4	4	8		
6.5	D						
7.5-7.95	P	4	6	8	14		
8	U						
9.0-9.45	P	5	8	11	19		
9.5	D						
10.5-10.95	P	6	9	12	21		
11	U						
12.00-12.45	P	7	11	14	25		
12.5	D						
13.5-13.95	P	8	13	16	29		
14	U					14.50M	
15.00-15.45	P	10	16	21	37		
15.5	D						
16.5-16.95	P	12	19	24	43		
17	D						
18.0-18.45	P	14	24	29	53		
18.5	D						
19.50-19.95	P	16	29	32	61		
20	D						
21.0-21.45	P	17	30	33	63		
21.5	D						
22.5-22.95	P	18	31	34	65		
23	D						
24.0-24.45	P	21	38	42	80		
24.5	D						
25.5-25.95	P	38	41	45	86		
26	D						
27.0-27.45	P	31	45	48	93		
27.5	D						
28.5-28.95	P	33	49	52	101		
29	D						
30.0-30.45	P	38	51	53	104		
30.5	D						
31.50-31.95	P	41	53	56	109		
32	D						
33.00-33.45	P	45	56	55	111		
33.5	D						
34.50-34.95	P	50	57	61	118		
35.5	D					35.50M	

GRAPHICAL REPRESENTATION OF N-Value



U: UNDISTURBED SAMPLE::

D: DISTURBED SAMPLE::

P: STANDARD PENETRATION TEST::

EGL: EXISTING GROUND LEVEL

R:REFUSAL:N>100::