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TNCD LLP
Formerly Town & City Developers
GSTIN : 33AAGFT8799R1ZX

TNCD
BUILDING DREAMS

PROPOSED Amenities

(S.F.No.276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE CORPORATION)

As given in broacher

S.no.	Items
1	24hrs Security & Surveillance
2	Branded Elevators
3	Backup for common areas and elevators
4	Below ground level Sewage treatment plant
5	Branded vitrified floor tiles for dwelling units
6	Branded sanitary and CP fittings
7	Branded modular switches & sockets
8	Security features with CCTV cameras
9	Smart home features for individual dwelling units
10	Entrance waiting lobby
11	Kids play area
12	Basketball hoop
13	Indoor Gym
14	Yoga Corner
15	Reflexology pathway
16	Gazebo seatings
17	Senior citizen seating
18	Walking track
19	Outdoor party area

For TNCD LLP

Designated Partner

Ar. PRESTON VARGHESE
REG No. CA/2008/42873
Coimbatore LPA/RA/GR-I/19/04/019

SOIL EXPLORATION REPORT

For

M/s. TNCD LLP.,

Ref: GEO – G - 064 - 2024-25 *Date: 03.06.2024-08.06.2024*

PROJECT NAME

SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048.

GEODESIGN INDIA PRIVATE LIMITED®

(An ISO 9001 : 2015 Certified Company)

Soil Investigations, SPT Test, DTH, Diamond core drilling, & Grouting works

Old no – 40 , New no – 29 , 8th street , K.K.Pudur, Coimbatore - 38

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E - mail: geodesign123@gmail.com , Web : www.geodesign.co.in

For TNCD LLP

Designated Partner

Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
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For TNCD LLP

Designated Partner

GEODESIGN INDIA PRIVATE LIMITED COIMBATORE

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1. INTRODUCTION

1.1. PURPOSE AND SCOPE

Geotechnical site investigation work for "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048." The primary purpose of our investigation is to obtain data to develop foundation design recommendations for the above work. At, first instance, Three boreholes were bored at site. Client's representatives selected the locations of borings. To accomplish these purposes, the following tasks were performed:

1. Detailed soil borings were done up to stratum to explore the sub surface stratigraphy and obtain soil samples for testing. Field and laboratory tests were conducted to evaluate the index and engineering properties of the soils
2. Engineering analysis was performed to develop foundation design information for proposed structure.

1.2. THE SITE

"SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

2. FIELD INVESTIGATIONS

2.1. ROTARY BORING

Rotary drilling technique was adapted using Calyx machine in this field. In this method, boring is effected by the cutting action of a rotating bit that is kept in firm contact with the bottom of the hole. The bit is attached to the lower end of a hollow drill rod that is rotated by a suitable chuck. Drilling mud (usually Bentonite) is continuously forced down the hollow drill rods. The mud returning upwards though the annular space between the drill rods and the side of the hold bring the cutting to the surface.

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2.2. STANDARD PENETRATION TEST

It is now most commonly used in site test. The test measures the penetration resistance of the split spoon sampler, when it is driven into the soil, at the bottom of a borehole in a standard manner. The N-value, which is the number of blow required to achieve 300mm penetration of the soil, indicates the relative density of sand or gravel, the consistency of other soil such as silts or clays and the strength of weak rocks. The test is described in IS 2131 - 1981. The split spoon sampler is attached to stiff drill rod and lowered to the bottom of the bore hold. A standard blow consists of dropping a mass of 63.5kg free fall through 750 mm on to an donut hammer at the top of the rods and ensuing that this amount of dynamic energy is transferred to the sampler as much as possible.

The number of blows required to achieve each 150mm penetration is recorded for a fall penetration of 450mm. The initial 150mm penetration is referred to as seating drive and the blows required for this penetration are not considered as this zone is in disturbed soil. The next 300mm of penetration is referred to as the test drive and the number of blows required to achieve this fully is termed the penetration resistance or N-value.

2.3. SAMPLING

Soil samples were collected through Split spoon and rock core sample were collected through single tube core barrel.

3. LABORATORY TESTS

The operations to be performed in the laboratory depend upon the type of the nature of data required for the problem at hand. In case of cohesionless material, like sand, the laboratory tests are usually minimum and the design parameters are worked out from field test data such as form SPT- N value, Core resistance and plate load test data.

In the case of cohesive soils, the programme of laboratory testing can vary from carrying out simple tests such as unconfined tests to comprehensive study of soil behaviour using triaxial shear tests and consolidation tests.

Following laboratory tests are conducted.

For Cohesion & cohesionless soil

a) Specific gravity
b) Sieve analysis
c) Atterberg's limits
d) Natural moisture content.

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4. FOUNDATION ANALYSIS

4.1 Soil Profile

The profile of the area as observed in the bore hole is given in the chart. The water level is observed far below. The soil layer up to 14.00m depth SOFT ROCK was obtained.

4.2 Safe Bearing Capacity

The bearing capacity of granular soil depends upon the unit weight and angle of internal friction of the soil. These two properties of granular soils are determined by standard penetration tests.

The allowable bearing pressure based on tolerable settlement has been established empirically by Terzaghi and Peck, 1948 and may be expressed by the equation.

Safe bearing capacity (SBC) = $3.5\ (N-3)\ \{(B+0.3)/2B\}^2 \times R_W \times F_D + P$

Where

N = Corrected N value N1

B = Width of Foundation = constant 1

RW = Water Correction = constant 0.5

FD = Depth of Factor = constant 1

P = Over Burden Pressure

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5. RECOMMENDATION

For the site, "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048." The borehole investigation was conducted and SBC was determined.

- In this site, up to 14.00m, SOFT ROCK is obtained.
- The **ISOLATED (OR) RAFT FOUNDATION** is recommended for this site.
- **Rest the Foundation below 3.00m (As per Basement floor level) from the Natural Ground Level.**
- The **SBC at 3.00m is 36.85 Ton/m^2** is determined in All Borehole Locations @ Foundation Level.

Sl.No	Depth in m	SBC (T/m2) For Borehole No : 1,2&3
1	2.5	**36.50**
2	3	**36.85**
3	3.5	**37.20**

Note:

- The detailed SBC is mentioned in Page No's – 11 - 13.

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S.NO	TITLE	ENGINEER'S NAME	SIGNATURE
1	Lab testing	Er.A.Kiruthika	
2	Report prepared by	Er.M.Ranjitha	
3	Corrected by	Er.A.Sindhuja	
4	Checked by	Er.V.Suganthi	
5	Approved by	Er.K.P.Vetriselvan	

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6. REFERENCES

1. **IS: 1892-1979 –** Indian Standard Code of Practice for Determination of Bearing Capacity Of Shallow Foundation

2. **IS: 1892-1979 -** Indian Standard Code of Practice for Subsurface Investigation for Foundations

3. **IS: 2131-1981 -** Indian Standard Method for Standard Penetration Test for Soils

4. **IS: 8009 (Part 1) - 1976 -** Indian Standard Code of Practice for Calculation of Settlements of Foundations

5. **IS: 2720 (Part-2) - 1973 -** Indian Standard Methods of Test for Soils, Determination of Water Content

6. **IS: 2720 (Part-4) - 1985** - Indian Standard Methods of Test for Soils, Grain Size Analysis

7. **IS: 2720 (Part-5) – 1985 -** Indian Standard Method of Test for Soils, Determination of Liquid and Plastic Limit

8. **IS: 2720 (Part-3/Sec-1)1980** - Indian Standard Methods of Test for Soils, Determination of Specific Gravity.

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GEOSIGN INDIA PRIVATE LIMITED COIMBATORE 641 038

1

Bore Log

Ref: *GEO – G - 064 – 2024-25*

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

Soil Investigation done by: GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38

Type of Drilling: Rotary – Mud Circulation LOCATION – 1

G.W.T-Not met

Bore hole No. : 1

Date of commencement : 03.06.2024
Date of completion : 03.06.2024

Depth below G.L	Soil Profile	Description of Soil	Thickness of layer (m)	Standard penetration test data: Depth at which test is conducted	N – Value- Depth of penetration: 15cm	30cm	45cm	For 30cm	Relative density / Consistency	Graphical representation of penetration resistance
0.60		**Clayey Gravel**	**0.60**							
1.30		**Poorly Graded Gravel**	**0.70**							
				1.50	27	35	50/9	>50	V. Dense	
				2.50	50/7	-	-	>50	V. Dense	
				3.50	50/3	-	-	>50	V. Dense	
				4.50	>50	-	-	>50	V. Dense	
		Soft Disintegrated Rock	**9.50**	6.00	>50	-	-	>50	V. Dense	
				7.50	>50	-	-	>50	V. Dense	
				9.00	>50	-	-	>50	V. Dense	
10.80				10.50	>50	-	-	>50	V. Dense	
		Soft Rock	**3.20**							
14.00m		End of Bore hole								

Contd 2

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2

Bore Log

Ref: *GEO – G - 064 – 2024-25*

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

Soil Investigation done by: GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38

Type of Drilling: Rotary – Mud Circulation LOCATION – 2

G.W.T-Not met

Bore hole No. : 2

Date of commencement : 03.06.2024
Date of completion : 04.06.2024

Depth below G.L	Soil Profile	Description of Soil	Thickness of layer (m)	Standard penetration test data					Relative density / Consistency	Graphical representation of penetration resistance
				Depth at which test is conducted	N – Value- Depth of penetration					0 20 40 60 80 100
					15cm	30cm	45cm	For 30cm		
0.80		**Clayey Gravel**	**0.80**							
1.30		**Kankar With SDR**	**0.50**							
		Soft Disintegrated Rock	**8.50**	1.50	35	50/11	-	>50	V. Dense	
				2.50	50/3	-	-	>50	V. Dense	
				3.50	>50	-	-	>50	V. Dense	
				4.50	>50	-	-	>50	V. Dense	
				6.00	>50	-	-	>50	V. Dense	
				7.50	>50	-	-	>50	V. Dense	
9.80				9.00	>50	-	-	>50	V. Dense	
		Soft Rock	**4.20**							
14.00m		End of Bore hole								

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Contd...5

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GEODESIGN INDIA PRIVATE LIMITED COIMBATORE 641 028

3

Bore Log

Ref: *GEO – G - 064 – 2024-25*

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

Soil Investigation done by: GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38

Type of Drilling: Rotary – Mud Circulation LOCATION – 3

G.W.T-Not met

Bore hole No. : 3

Date of commencement : 07.06.2024
Date of completion : 08.06.2024

Depth below G.L	Soil Profile	Description of Soil	Thickness of layer (m)	Standard penetration test data: Depth at which test is conducted	N – Value- Depth of penetration: 15cm	30cm	45cm	For 30cm	Relative density / Consistency	Graphical representation of penetration resistance: 0 20 40 60 80 100
0.80		**Clay**	**0.80**							
1.70		**Kankar With Gravel**	**0.90**	1.50	27	35	50/9	>50	V. Dense	
				2.50	50/4	-	-	>50	V. Dense	
				3.50	>50	-	-	>50	V. Dense	
		Soft Disintegrated Rock	**7.10**	4.50	>50	-	-	>50	V. Dense	
				6.00	>50	-	-	>50	V. Dense	
9.00				7.50	>50	-	-	>50	V. Dense	
		Soft Rock	**5.00**							
14.00m		End of Bore hole								

For TNCD LLP

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Ref: *GEO – G - 064 – 2024-25*

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER - 1	LOCATION : 1	GROUND WATER LEVEL: Not met	COMMENCEMENT OF LAB TESTING 08.06.2024	COMPLETION OF LAB TESTING 11.06.2024

SOIL PROFILE AND DEPTH IN METRES	DEPTH OF SAMPLING (m)	IS SOIL CLASSIFICATION	NATURAL WET DENSITY (kN/m³)	NATURAL MOISTURE CONTENT %	INDEX TEST			SIEVE ANALYSIS % PASSING IS SIEVE ANALYSIS				SPECIFIC GRAVITY	SHEAR TEST		STANDARD PENETRATION TEST				CONSOLIDATION TEST			
					LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	% of GRAVEL	% of SAND	% of SILT	% of CLAY		COHESION C (Ton / m²)	ANGLE OF INTERNAL FRICTION °	DEPTH OF TESTING (m)	OBSERVED N VALUE	CORRECTED N VALUE	SAFE BEARING CAPACITY (T/m²)	COMPRESSION INDEX C_C	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION C_V (cm²/sec)
		GC	22.14	17.82	-	-	-	32	9	59		2.71	2.3	29	1.50	>50	50	35.80				
	0.60														2.50	>50	50	36.50	-	-	-	-
		GP	-	-	-	-	-	-	-	-	-	-	-	-	3.50	>50	50	37.20				
	1.30														4.50	>50	50	37.90	-	-	-	-
															6.00	>50	50	38.95				
															7.50	>50	50	40.00				
															9.00	>50	50	41.05				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-	10.50	>50	50	42.10	-	-	-	-
	10.80																					
		SR																	-	-	-	-
	14.00																					

Depth (m)	Core Recovery (%)	Rock Quality Designation (%)	Allowable Bearing Pressure (Ton/m²)
10.80 – 12.00	34.6	20	87
12.00 – 13.50	42.6	27.3	96
13.50 – 14.00	54	22	114

GC – CLAYEY GRAVEL, GP – POORLY GRADED GRAVEL, SDR – SOFT DISINTEGRATED ROCK, SR – SOFT ROCK.

Contd…2

For TNCD LLP

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2

Ref: *GEO – G - 064 – 2024-25*

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER - 2	LOCATION : 2	GROUND WATER LEVEL: Not met	COMMENCEMENT OF LAB TESTING 08.06.2024	COMPLETION OF LAB TESTING 11.06.2024

SOIL PROFILE AND DEPTH IN METRES	DEPTH OF SAMPLING (m)	IS SOIL CLASSIFICATION	NATURAL WET DENSITY (kN/m³)	NATURAL MOISTURE CONTENT %	INDEX TEST			SIEVE ANALYSIS % PASSING IS SIEVE ANALYSIS				SPECIFIC GRAVITY	SHEAR TEST		STANDARD PENETRATION TEST				CONSOLIDATION TEST			
					LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	% of GRAVEL	% of SAND	% of SILT	% of CLAY		COHESION C (Ton / m²)	ANGLE OF INTERNAL FRICTION ⁰	DEPTH OF TESTING (m)	OBSERVED N VALUE	CORRECTED N VALUE	SAFE BEARING CAPACITY (T/m²)	COMPRESSION INDEX C_C	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION C_V (cm²/sec)
		GC	19.52	14.30	-	-	-	34	11	55		2.69	1.8	31	1.50	>50	50	35.80				
															2.50	>50	50	36.50	-	-	-	-
	0.80	KAN	-	-	-	-	-	-	-	-	-	-	-	-	3.50	>50	50	37.20				
	1.30	-SDR													4.50	>50	50	37.90	-	-	-	-
															6.00	>50	50	38.95				
															7.50	>50	50	40.00				
															9.00	>50	50	41.05				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
	9.80	SR																	-	-	-	-
	14.00																					

Depth (m)	Core Recovery (%)	Rock Quality Designation (%)	Allowable Bearing Pressure (Ton/m²)
9.80 – 10.50	58.5	15.7	74
10.50 – 12.00	36	36	93
12.00 – 13.50	50	41.3	108
13.50 – 14.00	36	26	127

GC – CLAYEY GRAVEL, KAN-SDR – KANKAR WITH SDR, SDR – SOFT DISINTEGRATED ROCK, SR – SOFT ROCK.

Contd…3

For TNCD LLP

Designated Partner

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3

Ref: *GEO – G - 064 – 2024-25*

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + STILT + 5 FLOORS OF PLINTH AREA 23,998 SQ. FT., "CAPITAL CITY" @ SF. NO. : 276/2B, KALAPATTI WEST, KALAPATTI VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT – 641048."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER - 3	LOCATION : 3	GROUND WATER LEVEL: Not met	COMMENCEMENT OF LAB TESTING 08.06.2024	COMPLETION OF LAB TESTING 11.06.2024

SOIL PROFILE AND DEPTH IN METRES	DEPTH OF SAMPLING (m)	IS SOIL CLASSIFICATION	NATURAL WET DENSITY (kN/m³)	NATURAL MOISTURE CONTENT %	INDEX TEST			SIEVE ANALYSIS % PASSING IS SIEVE ANALYSIS				SPECIFIC GRAVITY	SHEAR TEST		STANDARD PENETRATION TEST				CONSOLIDATION TEST			
					LIQUID LIMIT (%)	PLASTIC LIMIT (%)	PLASTICITY INDEX (%)	% of GRAVEL	% of SAND	% of SILT	% of CLAY		COHESION C (Ton / m²)	ANGLE OF INTERNAL FRICTION ⁰	DEPTH OF TESTING (m)	OBSERVED N VALUE	CORRECTED N VALUE	SAFE BEARING CAPACITY (T/m²)	COMPRESSION INDEX C_c	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION C_v (cm²/sec)
		CL	21.30	12.54	34	22	12	14	15	71		2.75	2.6	-	1.50	>50	50	35.80				
															2.50	>50	50	36.50	-	-	-	-
	0.80	KAN -GP	-	-	-	-	-	46	35	19		-	-	34	3.50	>50	50	37.20				
															4.50	>50	50	37.90	-	-	-	-
	1.70														6.00	>50	50	38.95				
															7.50	>50	50	40.00				
		SDR																	-	-	-	-
	9.00	SR																	-	-	-	-
	14.00																					

Depth (m)	Core Recovery (%)	Rock Quality Designation (%)	Allowable Bearing Pressure (Ton/m²)
9.00 – 10.50	38	18.6	81
10.50 – 12.00	47.3	21.3	89
12.00 – 13.50	42.6	31.3	117
13.50 – 14.00	52	22	136

CL – LOW PLASTICITY CLAY, KAN-GP – KANKAR WITH GP, SDR – SOFT DISINTEGRATED ROCK, SR – SOFT ROCK.

For TNCD LLP

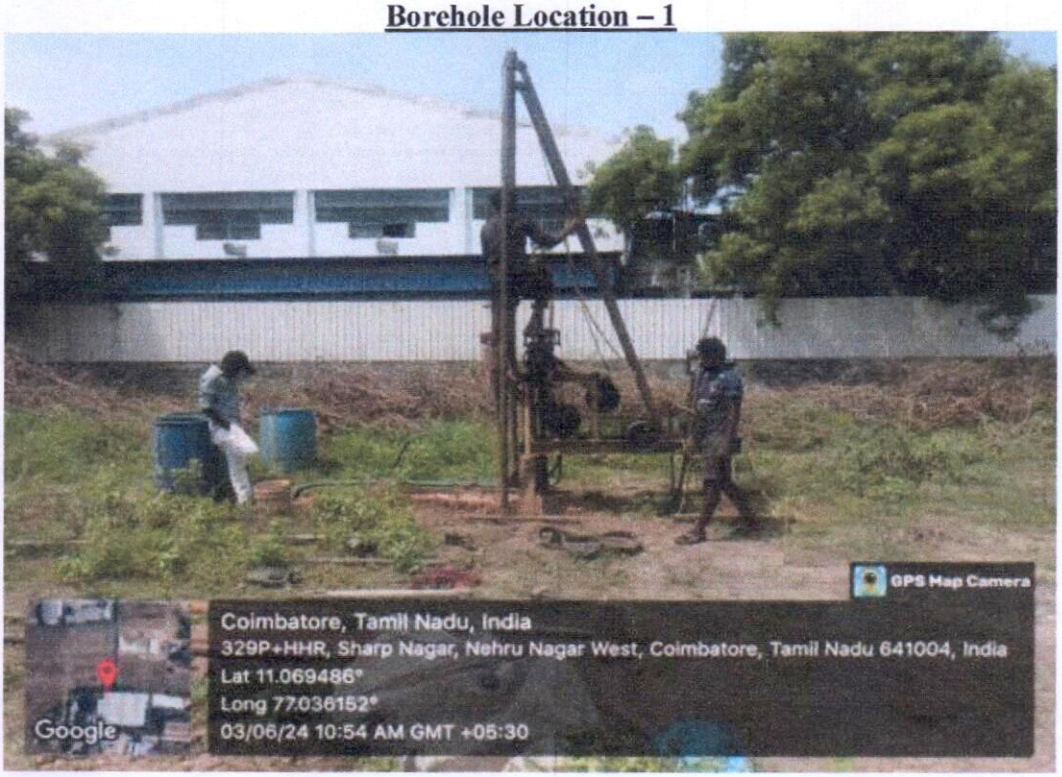
Designated Partner

Geotechnical Engineer

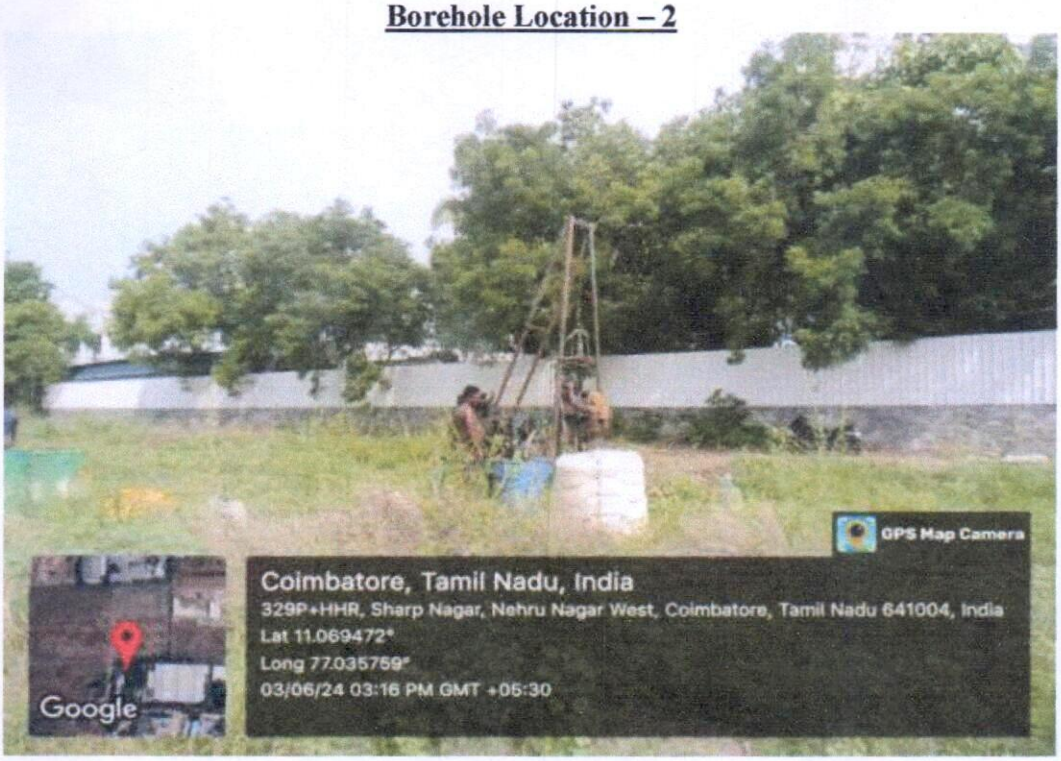
Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

8. PHOTOS

Borehole Location – 1



Borehole Location – 2



GEODESIGN INDIA PRIVATE LIMITED 641 038

For TNCD LLP

Designated Partner

[illegible] (M.Tech (GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

Borehole Location – 3



Er.K.P.VETRISELVAN.,M.E(GEOTECH),MIGS,MISTE.,
GEOTECHNICAL ENGINEER

Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

For TNCD LLP

Designated Partner

GEOSESIS INDIA PRIVATE LIMITED COIMBATORE 641 038

Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

9.1 LABORATORY PERMIABILTY RESULTS

SL No	Depth	Borehole Location	Coefficient of Permeability (K in Cm/s)
1	2.00m	2	4.678 x 10-4
2	3.00m	2	6.950 x 10-4
3	5.00m	2	10.112 x 10-4

Er.K.P.VETRISELVAN.,M.E(GEOTECH),MIGS,MISTE.,
GEOTECHNICAL ENGINEER

Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

GEODESIGN INDIA PRIVATE LIMITED COIMBATORE 641 038

For TNCD LLP

Designated Partner

Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Form 19

[Refer Rule 32(1) of the LLP Rules, 2009]

Certificate of Registration on Conversion

OF

TOWN AND CITY DEVELOPERS

TO

TNCD LLP

LLP Identification Number: **ACF-0551**

The Permanent Account Number (PAN) of the LLP is **AAGFT8799R***

The Tax Deduction and Collection Account Number (TAN) of the LLP is **null***

It is hereby certified that TNCD LLP is this day registered pursuant to section 58(1) of the LLP Act 2008.

Given under my hand at Manesar this TWENTY SECOND day of JANUARY TWO THOUSAND TWENTY FOUR

Signature Not Verified
Digitally signed by
*.mca.gov.in
Date: 2024.01.22 22:30:53 IST

Binny Kapoor
Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the LLP on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the LLP can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

TNCD LLP

K G HOUSE, No.126, ARTS COLLEGE ROAD, Coimbatore Racecourse, RACE COURSE, Coimbatore South, Coimbatore-641018, Tamil Nadu, India

*as issued by Income tax Department

(Amended)

सत्यमेव जयते

Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number :33AAGFT8799R1ZX

1.	**Legal Name**	TNCD LLP			
2.	**Trade Name, if any**	TNCD LLP			
3.	**Additional trade names, if any**				
4.	**Constitution of Business**	Limited Liability Partnership			
5.	**Address of Principal Place of Business**	**Building No./Flat No.:** 126 **Name Of Premises/Building:** K.G. HOUSE **Road/Street:** ARTS COLLEGE ROAD **City/Town/Village:** ART COLLEGE ROADCOIMBATORE **District:** Coimbatore **State:** Tamil Nadu **PIN Code:** 641018			
6.	**Date of Liability**	01/07/2017			
7.	**Date of Validity**	From	01/07/2017	To	Not Applicable
8.	**Type of Registration**	Regular			
9.	**Particulars of Approving**	Tamil Nadu Goods and Services Tax Act, 2017			

Signature

Signature Not Verified

Digitally signed by DS GOODS AND SERVICES TAX NETWORK 07
Date: 2024.04.17 20:00:40 IST

Name	SARAVANAKUMAR
Designation	Assistant Commissioner
Jurisdictional Office	TRICHY ROAD
Date of issue of Certificate	17/04/2024

Note: The registration certificate is required to be prominently displayed at all places of Business/Office(s) in the State.

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 17/04/2024 by the jurisdictional authority.

Goods and Services Tax

Annexure A



Goods and Services Tax Identification Number: 33AAGFT8799R1ZX

Details of Additional Place of Business(s)

Legal Name	TNCD LLP
Trade Name, if any	TNCD LLP
Additional trade names, if any	

Total Number of Additional Places of Business(s) in the State 10

1	SF 169/2, NA, CHINA VEDAMPATTI, COIMBATORE NORTH COIMBATORE, Coimbatore, Tamil Nadu, 641049
2	SF.251/1, NA, VEDAPPATI VILLAGE, COIMBATORE SOUTH TALUK COIMBATORE, Tamil Nadu, 641007
3	Sf No.430/2a2,431/1b2,5/1c, Alangar Thottam Road, Thudiyalur, Coimbatore, Coimbatore, Tamil Nadu, 641029
4	SF NO 231/1A1C, Vilankurichi Road, Vilankurichi, Coimbatore, Coimbatore, Tamil Nadu, 641035
5	TS No.150/1-SF Nos.114,147 to 150, Kamarajar Road, Singanallur, Coimbatore, Coimbatore, Tamil Nadu, 641015
6	SF No 13/2B,2C,2D &2E, Town & City Developes, Vazhiampalayam Road, Saravanampatti, Coimbatore, Coimbatore, Tamil Nadu, 641035
7	S.F.No.392/5, TOWN & CITY DEVELOPERS-ELITE CITY, Bharathiar Road, Ganapathy, Coimbatore, Coimbatore, Tamil Nadu, 641006
8	S.F.No.259/1 & TC No 7/1 & 7/2, TOWN & CITY DEVELOPERS-SIGNATURE CITY, Kamarajar Road, Uppili Palayam, Coimbatore, Coimbatore, Tamil Nadu, 641015
9	SF NO 252/1 & 252/1C, TOWN & CITY DEVELOPERS-ICON CITY, Vilankurichi Road, Cheran Maanagar, Coimbatore, Coimbatore, Tamil Nadu, 641035
10	TS.NO3/3, DELTA CITY,TOWN AND CITY DEVELOPERS, THANEERPANDHAL ROAD,VILANKURICHI, Vilankurichi, Coimbatore, Coimbatore, Tamil Nadu, 641035

Goods and Services Tax

Annexure B

सत्यमेव जयते

Goods and Services Tax Identification Number: 33AAGFT8799R1ZX

Legal Name	TNCD LLP
Trade Name, if any	TNCD LLP
Additional trade names, if any	

Details of Designated Partners

1		Name	KANNAPPAN KIRUTHIKA
		Designation/Status	Partner
		Resident of State	Tamil Nadu
2		Name	VIJAYAKUMAR SANJANA
		Designation/Status	Partner
		Resident of State	Tamil Nadu

Goods and Services Tax



our services doesn't just end there

Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

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OMR Thoraipakkam,
Chennai, India

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+91 9996 12 9996
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