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DIGITALLY VERIFIED RECORD

TNCD LLP
Formerly Town & City Developers
GSTIN : 33AAGFT8799R1ZX

TNCD
BUILDING DREAMS

PROJECT DETAILS

(KANSAS CITY, S.F.NO-255/1A3A
IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT.)

1	Project Name	KANSAS CITY
2	S.F. No	S.F.NO-255/1A3A
3	Plot extent /area (As/ document)	4613.38 sqm (As per Document Area)
4	Project Description	Basement + Stilt cum Ground floor + 5 floor Combination of Precast Load bearing shear walls & columns of 1BHK,2BHK and 3BHK type units.
5	Dwelling unit (D.U) details	

KANSAS CITY
S.F.NO-255/1A3A IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT.

FLOOR AREA STATEMENT

1 .0	**TOTAL FLOOR AREA FOR WHICH REGISTRATION IS REQUIRED**	Total FSI area	11980.03 Sqm.		
		TOTAL BUILT UP AREA	16374.49 Sqm.		
2. 0			**CATEGORY ABSTRACT (as/ HUD - GO-198)**		
2.1	RESIDENTIAL	**Block**	**EWS (DU- C.A above 25 up to - 50 sqm)**	**LIG (D.U -C. A above 50 to 75 sqm)**	**MIG-I (D.U -C. A above 75 sqm upto 90 sqm)**
		N. A	25 Nos - 1BHK+1T	94 Nos - 2BHK+2T	24 Nos - 3BHK+2T & 2BHK+2T
		TOTAL		**143 Nos**	
2.2	COMMERCIAL		N. A		

DU- Dwelling unit / LIG - lower income group /MIG-I – Middle income group/ BHK - bedroom hall & Kitchen / T - Toilet comprising water closet and bathing facility/ C.A - Carpet Area

6	Parking Details	Scooter parking -131 no's Car parking – 92 no's
7	Total Carpet area	8077.84 Sqm.
8	Total Open area	2086.32 Sqm.
9	Total covered area	2527.06 Sqm.
10	Area allocated for parking covered	4340.81 Sqm.

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For TNCD LLP

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TNCD
BUILDING DREAMS

PROPOSED FACILITIES

(KANSAS CITY, S.F.NO-255/1A3A

IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT.)

Firefighting.

1) 3 no's of fire extinguishers ABC rated place with markings in proximity to staircases of 4 kg capacity each on each floor Additional CO2 extinguisher place at every meter panel areas (i. e. 2 nos total) plus fire sand buckets near transformer housed within site.
2) 1 no Fire tank on terrace in RCC / GFRP Material with booster pump, supply via down comer with hose reel drum on every floor level throw fire hydrant shaft on every floor.
3) 2 Nos fire hydrant shaft with down comer is as per NBC.

Drinking water Supply.

1) Provision for Metro water storage in separate tank & aqua guard point will be given in the kitchen nearby sink.
2) Bore Well for ground water available at site to cater for potable water supply needs

Solid Waste Management:

1) SOLID: 2 X (2 sets of 200-liter bins) located commonly for segregation of waste at source and easy access for collection by waste management wing of corporation
2) LIQUID: Grey and Black water from individual Dwelling units are discharged into an FBBR or SBR type Sewage treatment plant of 100 KLD as per working model attached of same in STP details section. The Treated water is used for car wash and landscape within site and OSR garden.

Emergency Evacuation Services:

1) The building comprises of Three set of stairwells per block and are provided within the Regulated distance of not more than 22.5 meters travel distance from each dwelling unit as per FIRE REQUIRMENTS of local authority and NBC.

Use of Renewable Energy:

1) Solar panels will be provided in terrace as per approval plan.

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TNCD
BUILDING DREAMS

PROPOSED Amenities

(KANSAS CITY, S.F.NO-255/1A3A

IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT.)

As given in brochure

S.no.	Items
1	24hrs Security & Surveillance
2	Branded Elevators
3	Backup for common areas and elevators
4	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	Indoor Gym.
13	Gazebo seatings
14	Multipurpose hall
15	Communal co-working spaces
16	Hammock
17	Hearth Court

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KANSAS CITY - S.F.NO-255/1A3A IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK,COIMBATORE COORPORATION

SOIL EXPLORATION REPORT

For

M/s. TNCD LLP
KANSAS CITY

Ref: GEO –G-269– 2025 - 2026

Date: 05.03.2026-08.03.2026

PROJECT NAME

SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402.

For TNCD LLP

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For TNCD LLP

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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 + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402." The primary purpose of our investigation is to obtain data to develop foundation design recommendations for the above work. At, first instance, Four boreholes was 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 + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

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 DISINTEGRATED 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 + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402." the borehole investigation was conducted and SBC was determined.

- In this site, up to 14.00m, SOFT DISINTEGRATED ROCK is obtained.

BOREHOLE NO	2.5m SBC in T/m²	3.5m SBC in T/m²	4.5m SBC in T/m²	5.5m SBC in T/m²
1	36.50	37.20	37.90	38.60
2	36.50	37.20	37.90	38.60
3	36.50	37.20	37.90	38.60
4	36.50	37.20	37.90	38.60

- The detailed SBC is mentioned in Page No's – 12 to 15.

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INDIAN GEOTECHNICAL SOCIETY (LM-3564)

S.NO	TITLE	ENGINEER'S NAME	SIGNATURE
1	Field Engineer	Er.K.Ashwin	
2	Lab testing	Er.A.Sindhuja	
3	Report prepared by	Er.V.Deepa	
4	Corrected by	Er.S.Lingam	
5	Checked by	Er.D.Ranjini	
6	Approved by	Er.K.P.Vetriselvan	

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6. REFERENCES

1. **IS: 6403 - 1981** – Indian Standard Code of Practice for Determination of Bearing Capacity Of Shallow Foundation

2. **IS: 1892 - 2021** - 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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GEODESIGN INDIA PRIVATE LIMITED COIMBATORE 641 038

1

Bore Log

Ref: GEO –G-269 – 2025 - 2026

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

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

Type of Drilling: Rotary – Mud Circulation LOCATION – 1

G.W.T- 1.80m

Bore hole No. : 1

Date of commencement : 05.03.2026
Date of completion : 05.03.2026

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)
		Clayey Gravel	**1.30**							
1.30				1.50	46	50/1	-	>50	V.Dense	
				2.50	50/8	-	-	>50	V.Dense	
		Gravel with SDR	**6.00**	3.50	>50	-	-	>50	V.Dense	
				4.50	>50	-	-	>50	V.Dense	
				5.50	>50	-	-	>50	V.Dense	
7.30				7.00	>50	-	-	>50	V.Dense	
				8.50	>50	-	-	>50	V.Dense	
				10.00	>50	-	-	>50	V.Dense	
		Soft Disintegrated Rock	**6.70**	11.50	>50	-	-	>50	V.Dense	
				13.00	>50	-	-	>50	V.Dense	
14.00m		**End of Bore hole**		14.00	>50	-	-	>50	V.Dense	

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Contd 2

2

Bore Log

Ref: GEO –G-269 – 2025 - 2026

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

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

Type of Drilling: Rotary – Mud Circulation LOCATION – 2

G.W.T- 1.60m

Bore hole No. : 2

Date of commencement : 05.03.2026
Date of completion : 06.03.2026

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
0.80		**Silty Gravel**	**0.80**							
1.60		**Poorly Graded Gravel**	**0.80**	1.50	50/10	-	-	>50	V.Dense	
				2.50	50/1	-	-	>50	V.Dense	
		Gravel with SDR	**3.50**	3.50	50/1	-	-	>50	V.Dense	
5.10				4.50	50/1	-	-	>50	V.Dense	
				5.50	50/1	-	-	>50	V.Dense	
				7.00	50/1	-	-	>50	V.Dense	
				8.50	50/1	-	-	>50	V.Dense	
		Soft Disintegrated Rock	**8.90**	10.00	50/1	-	-	>50	V.Dense	
				11.50	50/1	-	-	>50	V.Dense	
				13.00	50/1	-	-	>50	V.Dense	
14.00m		**End of Bore hole**		14.00	50/1	-	-	>50	V.Dense	

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Contd...3

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3

Bore Log

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

Type of Drilling: Rotary – Mud Circulation LOCATION – 3

G.W.T- 1.40m

Bore hole No. : 3

Date of commencement : 06.03.2026
Date of completion : 07.03.2026

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
		Silty Gravel	**1.70**	1.00	1	2	2	4	Medium	
1.70				2.50	50/10	-	-	>50	V.Dense	
		Gravel with SDR	**3.40**	3.50	50/10	-	-	>50	V.Dense	
5.10				4.50	50/10	-	-	>50	V.Dense	
				5.50	50/10	-	-	>50	V.Dense	
				7.00	50/1	-	-	>50	V.Dense	
				8.50	50/1	-	-	>50	V.Dense	
		Soft Disintegrated Rock	**8.90**	10.00	50/1	-	-	>50	V.Dense	
				11.50	50/1	-	-	>50	V.Dense	
				13.00	50/1	-	-	>50	V.Dense	
14.00m		**End of Bore hole**		14.00	50/1	-	-	>50	V.Dense	

0 20 40 60 80 100

For TNCD LLP

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Contd..4

4

Bore Log

Ref: GEO –G-269 – 2025 - 2026

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

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

Type of Drilling: Rotary – Mud Circulation LOCATION – 4

G.W.T- 1.00m

Bore hole No. : 4

Date of commencement : 07.03.2026
Date of completion : 08.03.2026

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		**Silty Gravel**	**0.60**							
.70		**Poorly Graded Gravel**	**1.10**	1.00	10	17	50/1	>50	V.Dense	
3.10		**Gravel with SDR**	**3.40**	2.50	50/1	-	-	>50	V.Dense	
				3.50	50/1	-	-	>50	V.Dense	
				4.50	50/1	-	-	>50	V.Dense	
				5.50	50/1	-	-	>50	V.Dense	
		Soft Disintegrated Rock	**10.90**	7.00	50/1	-	-	>50	V.Dense	
				8.50	50/1	-	-	>50	V.Dense	
				10.00	50/1	-	-	>50	V.Dense	
				11.50	50/1	-	-	>50	V.Dense	
				13.00	50/1	-	-	>50	V.Dense	
14.00m		**End of Bore hole**		14.00	50/1	-	-	>50	V.Dense	

Graphical representation of penetration resistance: 0 20 40 60 80 100

Er. K.P. VETRISELVAN. M.E.,(GEOTECH).MIGS.MISTE..,
GEOTECHNICAL ENGINEER
CLPA REGN. No: CLPA/GTE/003/2024
GEODESIGN INDIA PRIVATE LIMITED
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Coimbatore - 641038.
Email:geodesign123@gmail.com

For TNCD LLP

Designated Partner

Geotechnical Engineer

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

Ref: GEO –G-269 – 2025 - 2026

1

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38					BORE NUMBER -1			LOCATION : 1				GROUND WATER LEVEL: 1.80m			COMMENCEMENT OF LAB TESTING 09.03.2026				COMPLETION OF LAB TESTING 12.03.2026			
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 Cc	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION Cv (cm²/sec)
	1.30	GC	15.42	11.06	33	20	13	40	15	45		2.68	2.3	30	1.50	>50	50	35.80	-	-	-	-
															2.50	>50	50	36.50				
		GP-SDR	-	-	-	-	-	57	30	13		-	-	36	3.50	>50	50	37.20	-	-	-	-
															4.50	>50	50	37.90				
															5.50	>50	50	38.60				
	7.30														7.00	>50	50	39.65				
															8.50	>50	50	40.70				
															10.00	>50	50	41.75				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-	11.50	>50	50	42.80				
															13.00	>50	50	43.85	-	-	-	-
															14.00	>50	50	44.55				
	14.00																					

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

For TNCD LLP

Designated Partner

Contd...2

Er. K.P. VETRISELVAN, M.E., (GEOTECH).MIGS.MISTE..,
GEOTECHNICAL ENGINEER
CLPA REGN. No: CLPA/GTE/009/2024
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Coimbatore - 641038.
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Ref: GEO –G-269 – 2025 - 2026

2

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER -2	LOCATION : 2	GROUND WATER LEVEL: 1.60m	COMMENCEMENT OF LAB TESTING 09.03.2026	COMPLETION OF LAB TESTING 12.03.2026

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 Cc	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION Cv (cm²/sec)
	0.80	GM	17.59	10.43	-	-	-	36	23	41		2.70	-	32	1.50	>50	50	35.80				
															2.50	>50	50	36.50	-	-	-	-
	1.60	GP	-	-	-	-	-	42	31	27		-	-	-	3.50	>50	50	37.20	-	-	-	-
															4.50	>50	50	37.90				
		GP-SDR	-	-	-	-	-	62	28	10		-	-	35	5.50	>50	50	38.60	-	-	-	-
	5.10														7.00	>50	50	39.65				
															8.50	>50	50	40.70				
															10.00	>50	50	41.75				
															11.50	>50	50	42.80				
															13.00	>50	50	43.85				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-	14.00	>50	50	44.55	-	-	-	-
	14.00																					

GM- SILTY GRAVEL, GP– POORLY GRADED GRAVEL GP-SDR- GRAVEL WITH SDR, SDR – SOFT DISINTEGRATED ROCK.

For TNCD LLP
Designated Partner

(Contd..3)

Er. K.P. VETRISELVAN, M.E.,(GEOTECH).MIGS.MISTE.,
GEOTECHNICAL ENGINEER
CLPA REGN. No: CLPA/GTE/009/2024
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Ref: GEO –G-269 – 2025 - 2026

3

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER -3	LOCATION : 3	GROUND WATER LEVEL: 1.40m	COMMENCEMENT OF LAB TESTING 09.03.2026	COMPLETION OF LAB TESTING 12.03.2026

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 Cv (cm²/sec)
		GM	18.28	14.94	-	-	-	30	26	44		2.73	-	31	1.00	4	4	1.43	-	-	-	-
															2.50	>50	50	36.50				
	1.70														3.50	>50	50	37.20				
		GP-SDR	-	-	-	-	-	62	28	10		-	-	37	4.50	>50	50	37.90	-	-	-	-
	5.10														5.50	>50	50	38.60				
															7.00	>50	50	39.65				
															8.50	>50	50	40.70				
															10.00	>50	50	41.75				
															11.50	>50	50	42.80				
															13.00	>50	50	43.85				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-	14.00	>50	50	44.55	-	-	-	-
	14.00																					

GM- SILTY GRAVEL, GP-SDR- GRAVEL WITH SDR, SDR – SOFT DISINTEGRATED ROCK.

For TNCD LLP

Designated Partner

Er. K.P. VETRISELVAN. M.E.,(GEOTECH).MIGS.MISTE.,
GEOTECHNICAL ENGINEER
CLPA REGN. No: CLPA/GTE/009/2024
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Coimbatore - 641038.
+9190433 44488, E-mail: geodesign123@gmail.com

Contd..4

Ref: GEO –G-269 – 2025 - 2026

4

SOIL TEST RESULTS

Name of Project: "SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

GEODESIGN INDIA PRIVATE LIMITED Soil Exploration Consultant, Coimbatore-38	BORE NUMBER -4	LOCATION : 4	GROUND WATER LEVEL: 1.00m	COMMENCEMENT OF LAB TESTING 09.03.2026	COMPLETION OF LAB TESTING 12.03.2026

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 Cc	PRE - CONSOLIDATION PRESSURE (kg/cm²)	INITIAL VOIDS RATIO	CO-EFFECT OF CONSOLIDATION Cv (cm²/sec)
	0.60	GM	15.17	12.63	-	-	-	31	20	49		2.73	-	30	1.50	>50	50	35.80				
															2.50	>50	50	36.50	-	-	-	-
	1.70	GP	17.28	14.32	-	-	-	46	33	21		-	-	35	3.50	>50	50	37.20	-	-	-	-
		GP-SDR	-	-	-	-	-	66	20	14		-	-	36	4.50	>50	50	37.90				
	3.10														5.50	>50	50	38.60	-	-	-	-
															7.00	>50	50	39.65				
															8.50	>50	50	40.70				
															10.00	>50	50	41.75				
															11.50	>50	50	42.80				
															13.00	>50	50	43.85				
		SDR	-	-	-	-	-	-	-	-	-	-	-	-	14.00	>50	50	44.55	-	-	-	-
	14.00																					

GM- SILTY GRAVEL, GP– POORLY GRADED GRAVEL GP-SDR- GRAVEL WITH SDR, SDR – SOFT DISINTEGRATED ROCK.

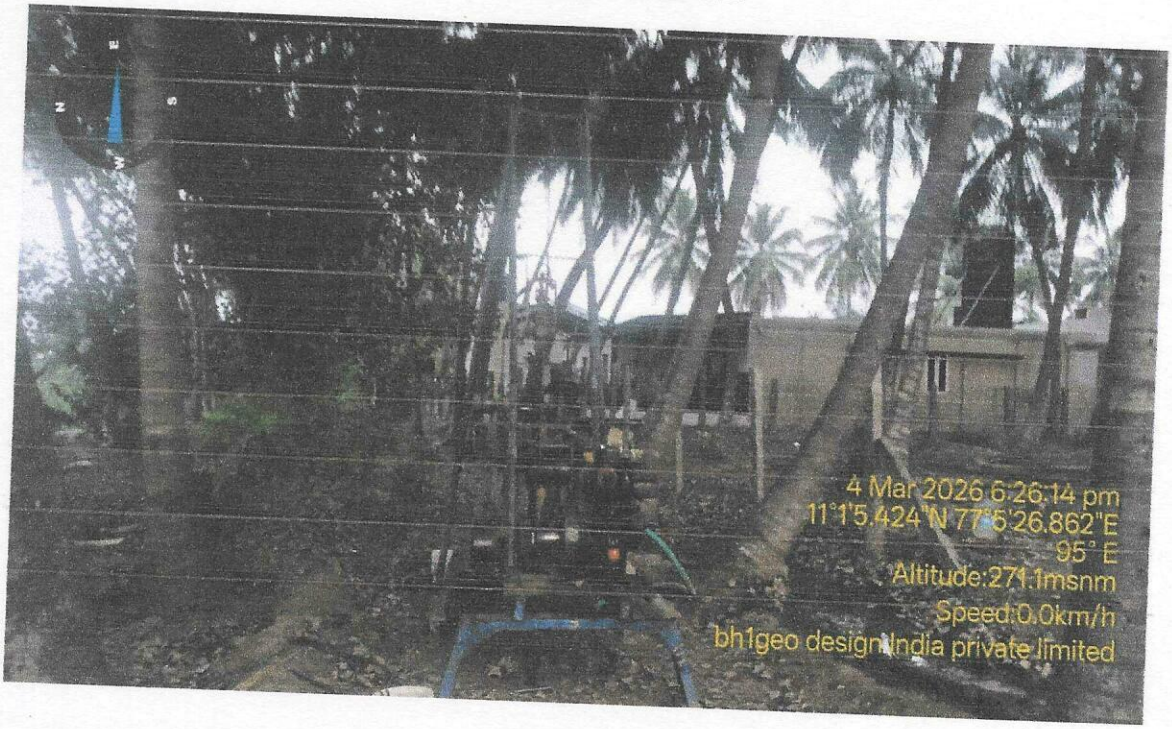
For TNCD LLP
Designated Partner

Er. K.P. VETRISELVAN. M.E.,(GEOTECH).MIGS.MISTE.,
GEOTECHNICAL ENGINEER
CLPA REGN. NO. CLPA/CTE/003/2024
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+9190433 44488, E-mail: geodesign123@gmail.com

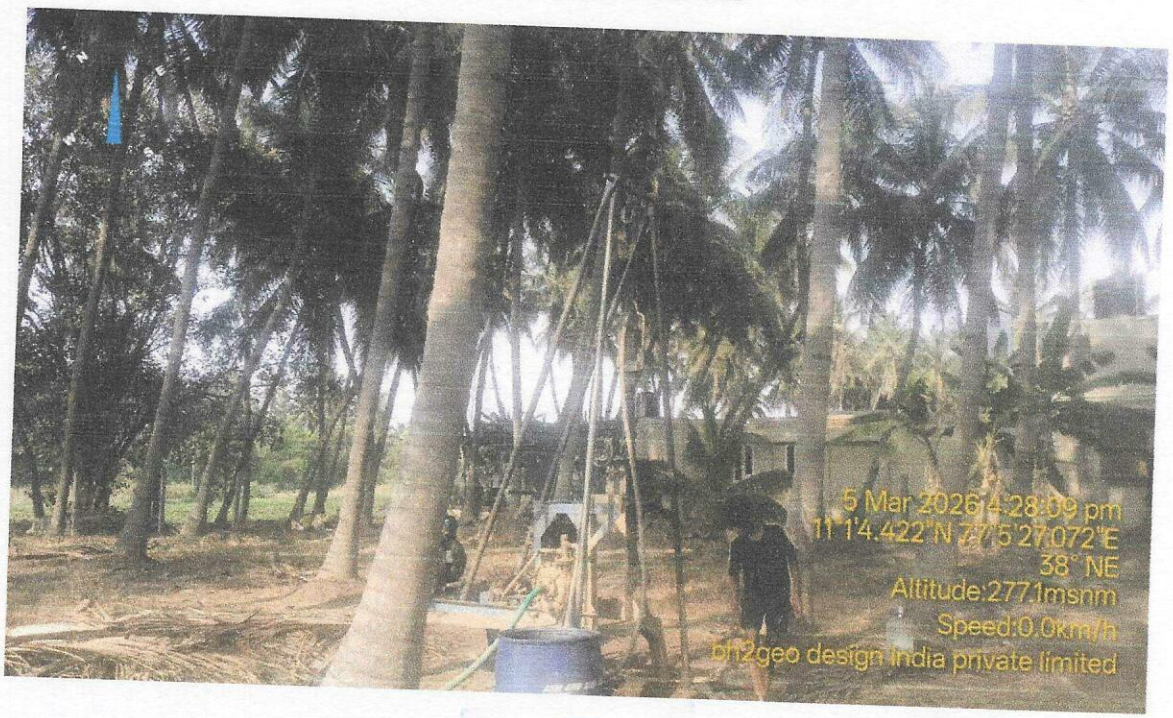
Geotechnical Engineer
Er.K.P. VETRISELVAN, M.E(GEOTECH), MICS, MISTE,
GEOTECHNICAL ENGINEER
INDIAN GEOTECHNICAL SOCIETY (LM-3564)

8. PHOTOS

Borehole Location – 1



Borehole Location – 2



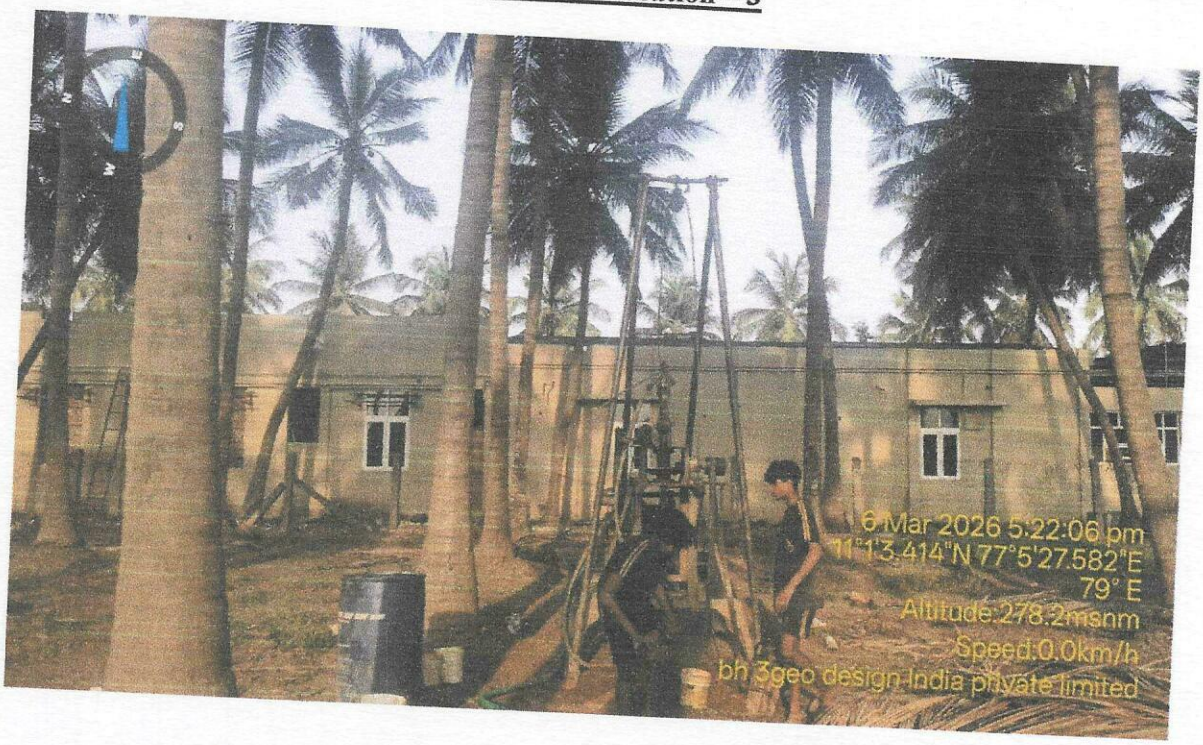
For TNCD LLP

Designated Partner

GEODESIGN INDIA PRIVATE LIMITED COIMBATORE 641 038

Er. K.P. VETRISELVAN. M.E.,(GEOTECH).MIGS.MISTE.,
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Borehole Location – 3



Borehole Location – 4



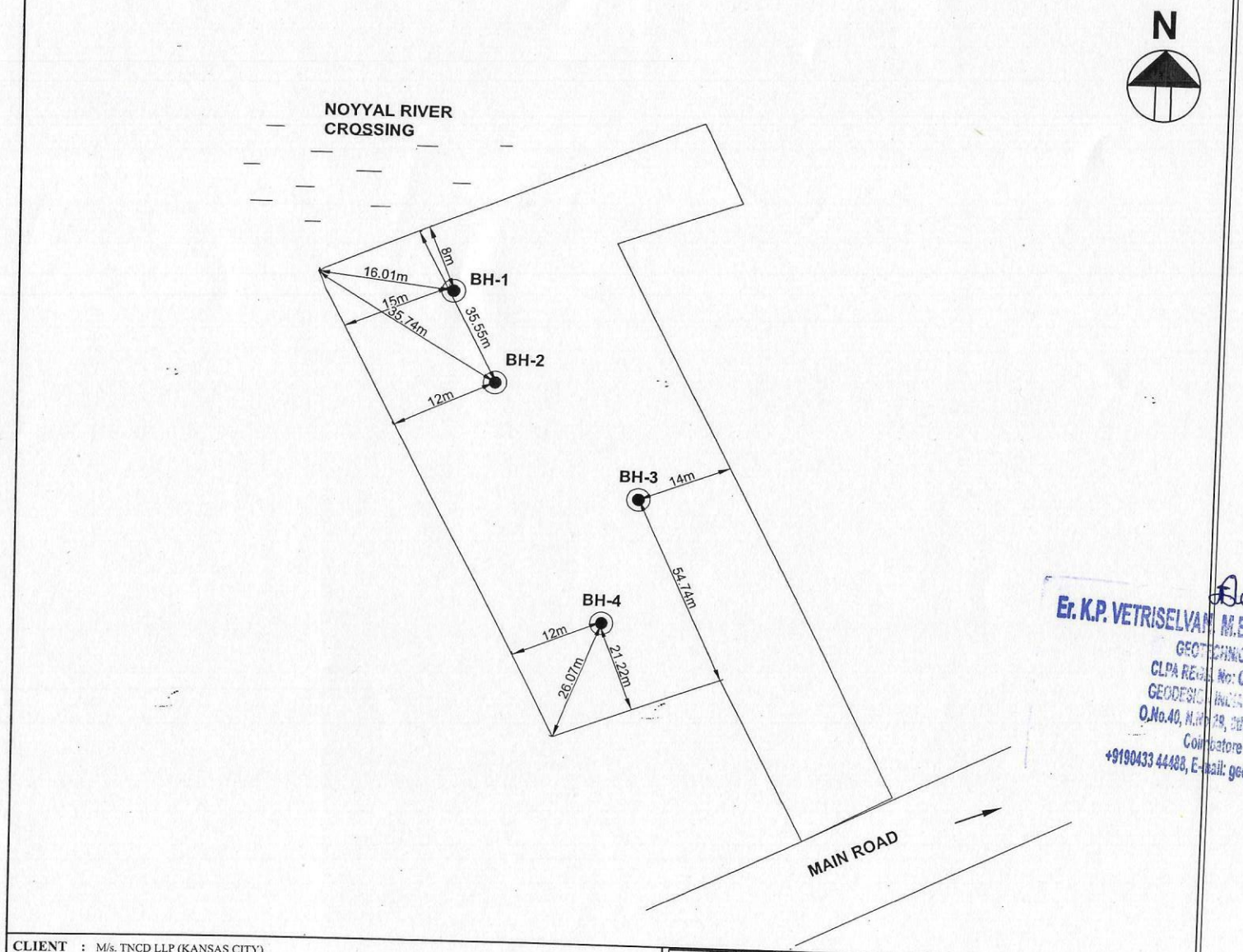
Er. K.P. VETRISELVAN. M.E.,(GEOTECH).MIGS.MISTE.,
GEOTECHNICAL ENGINEER
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Er.K.P.VETRISELVAN.,M.E(GEOTECH),MIGS,MISTE.,
GEOTECHNICAL ENGINEER

For TNCD LLP

Designated Partner

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



CLIENT :	M/s. TNCD LLP (KANSAS CITY)
PROJECT :	"SOIL INVESTIGATION FOR THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING WITH BASEMENT + G + 5 FLOORS OF PLINTH AREA 30,000 SQ.FT., @ SF. NO . : 255/1A3A, KANNAMPALAYAM VILLAGE, SULUR TALUK, COIMBATORE DISTRICT - 641402."

This drawing is the property of GEODESIGN INDIA PRIVATE LIMITED and should not be copied or reproduced without the consent of engineer.

PREPARED:

ENGINEER:

DATE: 05.03.2026-08.03.2026

GEODESIGN INDIA PRIVATE LIMITED
SOIL EXPLORATION & FOUNDATION DESIGN
(A UNIT OF GEOTECHNICAL ENGINEERS)
H.O:Old No:40,New No:29, 8th St. K.K.Pudur,Coimbatore-641038
E -Mail:geodesign123@gmail.com Web:www.geodesign.co.in
Off : 0422-4202452

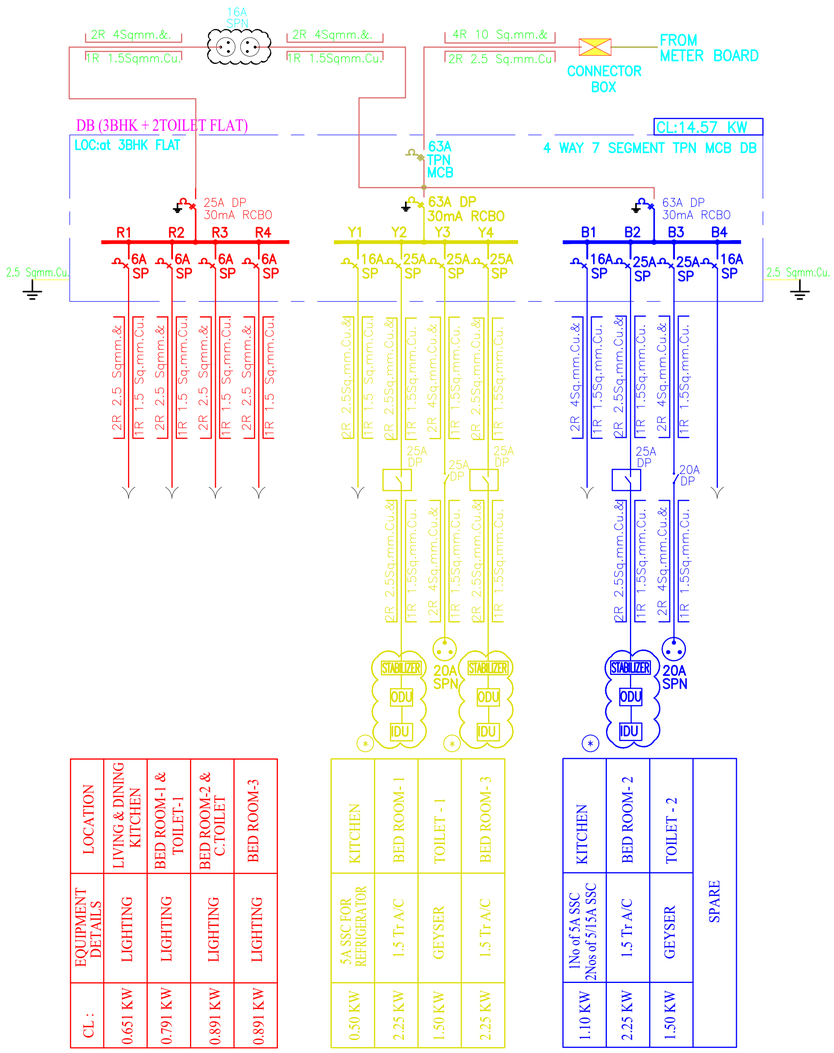
For TNCD LLP

Designated Partner

Er. K.P. VETRISELVAN, M.E.,(GEOTECH).MIGS.MISTE.,
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Coimbatore - 641038.
+9190433 44488, E-mail: geodesign123@gmail.com

SCHEMATIC DIAGRAM OF TYPICAL FLAT DB

KANSAS CITY

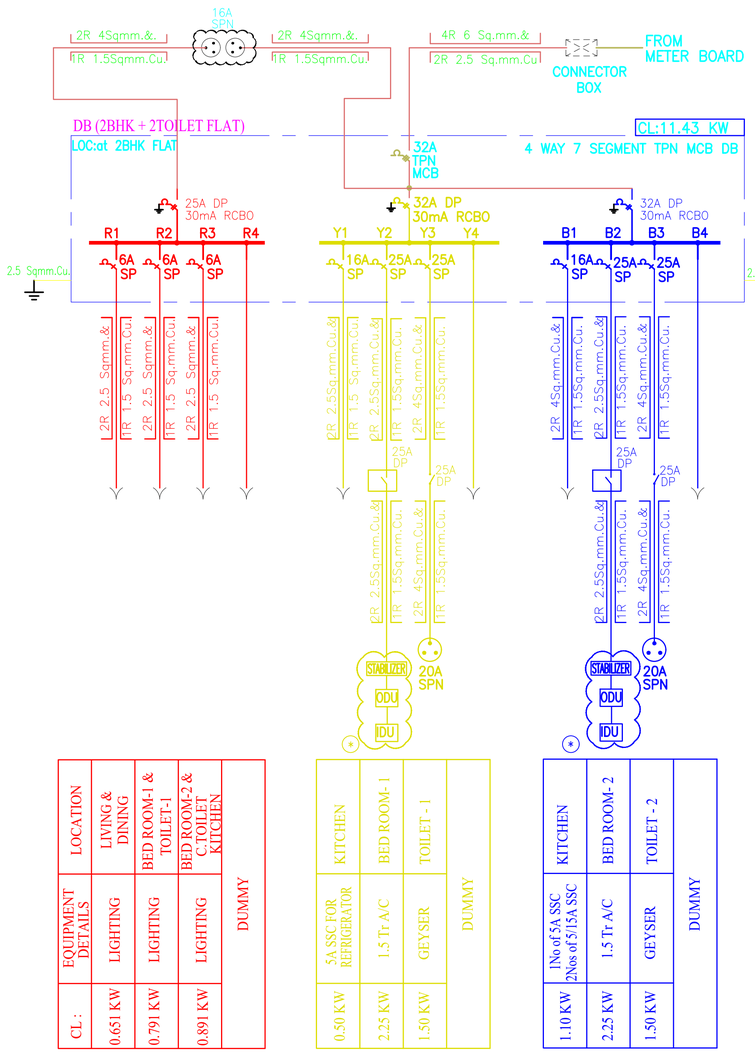


LOCATION	LIVING & DINING KITCHEN	BED ROOM-1 & TOILET-1	BED ROOM-2 & C.TOILET	BED ROOM-3
EQUIPMENT DETAILS	LIGHTING	LIGHTING	LIGHTING	LIGHTING
CL :	0.651 KW	0.791 KW	0.891 KW	0.891 KW

KITCHEN	BED ROOM- 1	TOILET - 1	BED ROOM- 3
5A SSC FOR REFRIGERATOR	1.5 Tr A/C	GEYSER	1.5 Tr A/C
0.50 KW	2.25 KW	1.50 KW	2.25 KW

KITCHEN	BED ROOM- 2	TOILET - 2	SPARE
1No of 5A SSC 2Nos of 5/15A SSC	1.5 Tr A/C	GEYSER	
1.10 KW	2.25 KW	1.50 KW	

3BHK FLAT DB

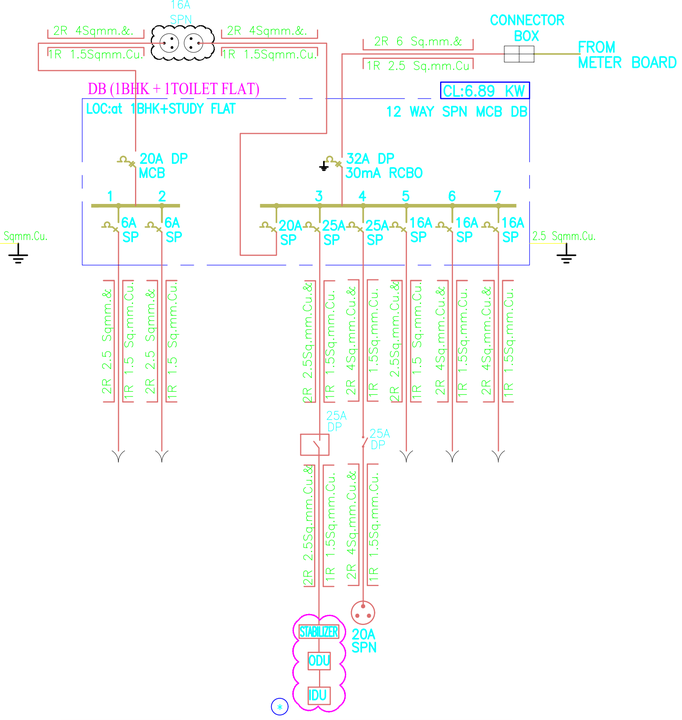


LOCATION	LIVING & DINING	BED ROOM-1 & TOILET-1	BED ROOM-2 & C.TOILET KITCHEN	DUMMY
EQUIPMENT DETAILS	LIGHTING	LIGHTING	LIGHTING	
CL :	0.651 KW	0.791 KW	0.891 KW	

KITCHEN	BED ROOM- 1	TOILET - 1	DUMMY
5A SSC FOR REFRIGERATOR	1.5 Tr A/C	GEYSER	
0.50 KW	2.25 KW	1.50 KW	

KITCHEN	BED ROOM- 2	TOILET - 2	DUMMY
1No of 5A SSC 2Nos of 5/15A SSC	1.5 Tr A/C	GEYSER	
1.10 KW	2.25 KW	1.50 KW	

2BHK FLAT DB



LOCATION	LIVING KITCHEN	BEDROOM KITCHEN
EQUIPMENT DETAILS	LIGHTING	LIGHTING
CL :	0.651 KW	0.891 KW

BEDROOM BALCONY	TOILET	KITCHEN	KITCHEN	KITCHEN
1.5 Tr A/C	GEYSER	1No of 5/15A SSC	5A SSC FOR REFRIGERATOR	2Nos of 5/15A SSC
2.25 KW	1.50 KW	0.50 KW	0.50 KW	1.00 KW

1BHK FLAT DB

LEGEND:

	– MCB
	– PVC INSULATED COPPER WIRE IN PVC CONDUIT
	– ARMOURED CABLE
	– DP MODULAR SWITCH
	– RCBO
	– 4 WAY 32A CONNECTOR BOX at ELECTRICAL DUCT
	– 4 WAY 63A CONNECTOR BOX at ELECTRICAL DUCT
	– 3 WAY 32A CONNECTOR BOX at ELECTRICAL DUCT

(*) – WILL BE DONE BY AC VENDOR

Rev.	Contents	Name	Date
xxx	xxxx	xxx	xxxx

Project Name : PROPOSED RESIDENTIAL APARTMENT at COIMBATORE	Client : TNCD LLP.,	Drawing Title: SCHEMATIC DIAGRAM OF TYPICAL FLAT DB	Drawing No.: 1442-01-05-R0

Date:	Drawn:	Approved:
05.08.26	PALANI	S.PAL
Scale: NTS / Sheet: A2	Checked: S.PAL	Designed: S.PAL

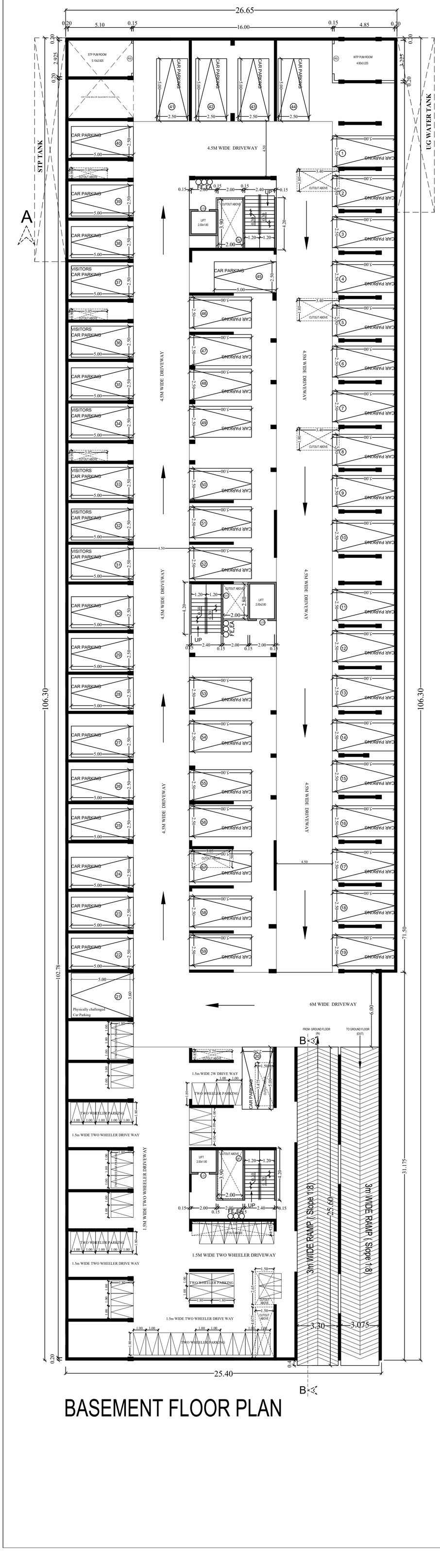
Electrical Consultants:
PAL DESIGNS
X-8, First Floor,12th Avenue,
Ashok Nagar, Chennai-600 083.
Phone: 044-24743582
E.mail: engg@paldesigns.in ; paldesigns@gmail.com.

PLAN SHOWING THE PROPOSED AFFORDABLE HOUSING PROJECT APARTMENT BUILDING IN S.F.NO-255/1A3A IN KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT.

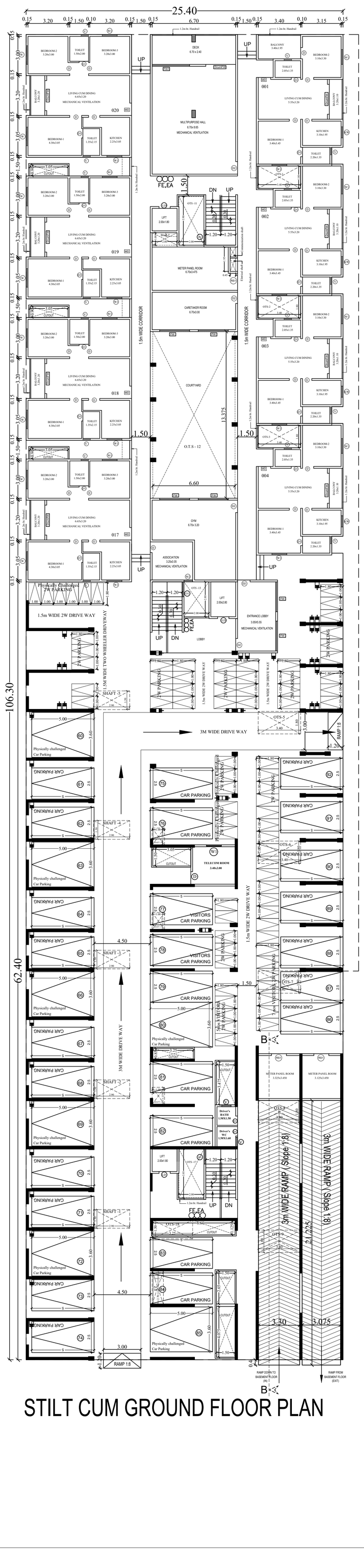
N

PARKING DETAIL:-

Parking category	Nos. of Units	Two wheelers required	Cars required
Below 25 Sqm flat	--	--	--
25 Sqm to 50 Sqm flat	25	25	--
50 Sqm to 75 Sqm flat	94	94	47
75 Sqm to 150 Sqm flat	24	--	24
Visitors parking of 10%		12	08
Total Requied parking		131	79
Provided Parking		131	92



BASEMENT FLOOR PLAN



STILT CUM GROUND FLOOR PLAN

CONCRETE CURATIONS

CONCRETE CURATIONS PVT LTD

72, Co-operative Colony, Uppilipalayam, Coimbatore 641015, Tamil Nadu, India
Phone: +91-95009-79020 | Email: concrete.curations@gmail.com
Webpage: www.ConcreteCurations.com

Date:18-03-2026

STABILITY CERTIFICATE

(To be furnished while filing application for registration of building)

1) The detailed engineering and structure design of the proposed building comprising of *Basement + Stilt cum Ground +5* floors at S.F.No:255/1A3A, *KANNAMPALAYAM VILLAGE & TOWN PANCHAYAT, SULUR TALUK, COIMBATORE DISTRICT*. Has been done by me/us based on the report of geotechnical investigation (soil test) done by *GEO DESIGN INDIA PRIVATE LIMITED, Coimbatore Ref: G-269-2025-2026,* date:05.03.2026- 08.03.206 and considering the functional requirement of the building.
2) It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.
3) I/We. Further certify that:
   a. The minimum grade of concrete is M25
   b. The design and analysis has been done using the code of practice for plain and reinforced concrete as per IS 456, design loads as per IS 875 and design of earthquake resistant structure as per IS 1893:2016
4) The building will be safe and sound when used for the purpose for which it is designed.

Signature & Stamp & Date

Encl.: Structural Design Calculation

DINESH KUMAR BHANDARI B.E.,M.S.,MIE
Chartered Engineer M-1586518 .
DTCP Reg: SE-I/001/2021
72,Cooperative Colony,Uppilipalayam,
Coimbatore - 641015.

GOVT. OF TAMILNADU

DIRECTORATE OF TOWN & COUNTRY PLANNING

DISTRICT TOWN & COUNTRY PLANNING OFFICE,COIMBATORE

Ground & first floor ,Door no -50, FCI Road,

Gandhimaa nagar,Coimbatore-641004.

Phone : 0422-2380243 ,E- Mail : Kovaidisttcp@gmail.com

PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that the **Thiru, DINESH KUMAR BHANDARI ,** has enrolled as **STRUCTURAL ENGINEER Grade – I (SE)** with District Town and country Planning, Coimbatore who has the qualification of **B.E.(Civil), M.S. (Civil)** and experience in the relevant field for **20 years.**

He has been given the Registration No. **Coimbatore District/SE/GR-I/02/2026 on 15.04.2026.** He shall be required to comply with the duties and responsibilities prescribed by the Government of Tamilnadu in part V, "Registration of Professionals " ,Tamil Nadu Combined Development and Building Rules 2019 approved vide G.O (Ms) No .18 MAWS (MA1) Dept. Dated 04.02.2019

This Registration Certificate is valid upto 14.04.2031



15.4.26

JOINT DIRECTOR (FAC)

DISTRICT TOWN AND COUNTRY PLANNING,

COIMBATORE DISTRICT

15.4.26

THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

Verified RealEstate
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Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.