Verified RealEstate™

Your trusted partner for buying, selling, and managing property, ensuring hassle-free service with 100% transparency.

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™



D BASE CONSULTANTS
STRUCTURAL ENGINEERS & PLANNERS
SP ARCADE, 303, 3rd FLOOR,
123,SAROJINI STREET, RAMNAGAR,
COIMBATORE-09.

Annexure–XIV

[See rule 51(3)]

Form1 (Structural Design Basis Report)

(1) This report to accompany the application for Building Developments

Part 1	General Data		
S.No	**Description**	**Information**	**Notes**
1	Site Address	Old S.F.No : 155/2B, T.S.No : 2, 3 & 4, Block No : 72, Ward No: D(4), Kavundampalayam Village, Coimbatore Corporation.	
2	Name of Owner	R.MALLIKA	
3	Name of Registered Developer along with the Registration Number		
5	Name of Registered Structural engineer along with the Registration Number	Thiru. M.LOGANATHAN Coimbatore LPA/RE/GR-I/19/04/039	
6	Use of the building	REISDENTAIL	
7	Number of stories above ground (including storey's to be added later, if any)	STILT + 5 FLOORS	
8	Number of basements below ground level	NIL	

M. LOGANATHAN ME., Structural
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/0
D BASE CONSULTANTS
SP ARCADE, 102, Ist FLOOR, 123, SAROJINI STREET
RAMNAGAR, COIMBATORE- 641009.
Ph: 0422 2230223 Email: dbaseconsultants@gmail.com

S.No	Description	Information	Notes
9	Type of structure Load bearing walls R.C.C. frame R.C.C. frame and Shear Walls Steel frame	RCC Framed Structure	
10	Soil data Type of soil Design safe bearing capacity	Type : SILTY SAND SBC : 30 T / Sq.m	IS:1893C1.6.3.5.2 IS:1904 IS:1892 IS:2131 IS:2720
11	Dead loads(unit weight adopted) • Earth • Water • Brick masonry • Plain cement concrete • Reinforced cement concrete • Floor finish • Other fill materials	Earth : 18 /m3 Water : 10 KN /m3 Plain Cement Concrete : 24 KN/m3 Reinforced Cement Concrete : 25 KN/m3 Floor finish : 1.0 KN/m2	IS:875Part1
12	Imposed (live) loads • Floor loads Roof loads	2.KN / m2	IS:875Part2
13	Cyclone/Wind • Speed • Design pressure intensity	47m / Sec 1.43 KN / M2	IS:875Part3
14	Seismic zone	Zone - II	IS:1893(2002)
15	Importance factor	I – 1.0	IS:1893(2002) Table6
16	Seismic zone factor(Z)	0.10	IS:1893Table2
17	Response reduction factor	5.0	IS:1893Table7
18	Fundamental natural period approx.	0.17	IS:1893C1.7.6
19	Design horizontal acceleration spectrum value(A_h)	0.06	IS:1893C1.6.4.2
20	☐Expansion/Separation Joints	Expansion Joints	Not Provided
21	Building is regular/irregular	Regular	IS1893

☐ Enclose detailed drawings drawn to scale for each floor

♦ In case terrace garden as provided, indicate additional fill load and live load Along with the detailed drawings drawn to scale.

M. LOGANATHAN ME, Struct(Hons.
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/01
D BASE CONSULTANTS
SP ARCADE, 102, Ist FLOOR, 123, SAROJINI STREET
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email: dbaseconsultantsche@gmail.com

Part 3	Reinforced concrete framed buildings		
S.No	Description	Information	Notes
1	Type of building • Regular frames • Regular frames with Shear Walls • Irregular frames • Irregular frames with Shear Walls • Soft storey	Regular Frames	IS:1893C17.1
2	Number of basements	NIL	
3	Number of floors including ground floor	STILT +5 FLOORS	
4	Horizontal floor system • Beams and slabs • Waffles • Ribbed floor • Flat slab with drops • Flat plate without drops	Beams & Slabs	
5	Soil data • Type of soil • Recommended type of foundation -Independent footings -Raft -Piles • Recommended bearing capacity of soil • Recommended type, length, diameter and load capacity of piles • Depth of water table • Chemical analysisofgroundwater • Chemicalanalysisofsoil	Silty SAND ISOLATED COLUMN FOOTINGS 30 T /sq.m NOT MET	IS:1498
6	Foundations Depth below ground level Type Independent Interconnected Raft Piles	3M BELOW NGL ISOLATED COLUMN FOOTINGS	

M. LOGANATHAN ME, Struct(Hon's
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/
D BASE CONSULTANTS
ARCADE, 102, Ist FLOOR, 123, SARDAR
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email: dbaseconsultantscbe@gmail.

S.No	Description	Information	Notes
7	System of interconnecting foundations Plinth beams Foundation beams	GRADE beams	IS : 1893C1: 7.12.1
8	Grades if concrete used in different parts of Building	Grade of Concrete M20, M25	
9	Method of analysis used	Static	
10	Computer software used	Staad pro	
11	Torsion included	Yes	IS:1893C17.9
12	Base shear a. Based on e approximate fundamental period b. Based on e dynamic analysis c. Ratio of a/b	0.55	IS:1893Cl.7.5.3
13	Distribution of seismic forces along the height of the building.	Yes	IS:1893Cl.7.7 (Provide sketch)
14	The Column of soft ground storey Specially designed.	Yes	IS:1893Cl.7.10
5	Clear minimum cover provided in • Footing • Column • Beams • Slabs • Walls	Footing - 50mm Column – 40mm Beams – 25mm Slabs – 20mm Walls – 25mm	IS:456 Cl.26.4

M. LOGANATHAN ME, Struct(Hon's
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/01
D BASE CONSULTANTS
P ARCADE, 102, 1st FLOOR, 123, SAROJINI STREET
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email: dbaseconsultantscbe@gmail.com

16	Ductile detailing of RC frame • Type of reinforcement used • Minimum dimension of beams • Minimum dimension of columns • Minimum percentage of reinforcement of beams at any cross section • Maximum percentage of reinforcement at any section of beam • Spacing of transverse reinforcement in 2dlength of beams near the ends • Ratio of capacity of beams in shear to capacity of beams in flexure • Maximum percentage of reinforcement in column • Confining stirrups near ends of columns and in beam-column joints Diameter Spacing Ratio of shear capacity of columns to maximum seismic shear in the storey	Fe 500 200 x 400mm 400 x 200mm 4% 150mm 150mm 4% 8mm 150mm	IS:456Cl.5.6 IS:13920Cl.6.1 IS:13920Cl.7.1.2 IS:456Cl.26.5.1(a) IS:13920Cl.6.2.1 IS:456 Cl.26.5.1.1(b) IS:13920Cl.6.2.2 IS:13920Cl.6.3.5 IS:456Cl.26.5.3.1 IS:13920 Cl.7.4
17	Does the features require clearance by SDRP Example: High rise building Pre-fabbuilding Building in hazard prone areas	NIL	

Foundation

i. In case raft foundation has been adopted ;indicate K value used for analysis of the raft.

ii. In case pile foundations have been used, give full particulars of the piles, type, dia, length, capacity

iii. In case of high water table, indicate system of countering uplift pressure, and indicate the existing water table ,and that assumed to

M. LOGANATHAN ME, Structural ... STRUCTURAL ENGINEERS, CHARTERED ENGINEERS ... PAN/GA-E-0/18/84/039- LPA/SE/GR-I/2... D BASE CONSULTANTS ... ARCADE, 102, 1st FLOOR, 123, ... RAMNAGAR, COIMBATORE- 641009. ... 0422 2230223 Email: dbaseconsultantsch...

design foundations.

Idealization for Earthquake analysis

In-case of composite system of shear walls and rigid frames, give distribution of bases hear in the two systems on the basis of analysis, and that used for design of each system.

i. Indicate the idealization of frames and shear walls adopted in the analysis with the help of sketches.

ii. Submit framing plans of each floor

iii. In-case of basements, indicate the system used to contain earth pressures.

Part-5

Any special weakness in the building making it vulnerable for stability related failure and the precaution to be taken during execution/completion and finishing to be indicated

Part-6

Recommendations of structural Engineer with respect to special requirements needed with respect to structural safety and stability to be taken note of by competent authority feature like incorporation of swimming pool, heavy load on roof, prefabricated structure or any other hazardous features should be included.

M. LOGANATHAN ME, Structural
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS. VALID
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04
D BASE CONSULTANTS
ARCADE, 102, Ist FLOOR, 123, SAKUJINI STREET
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email: dbaseconsultantscbe@gmail.

135

Er. M.LOGANATHAN, M.E., FIV., MIE.,
Chartered Engineer (INDIA) AM - 74664
Govt. Approved Valuer (F11510)
PWD CLASS 1A Pannel Approved Engineer
Panel Valuer for Banks
Registered Valuer for Wealth Tax (05/CCIT/CBE)
Competent Person for Chief Inspector of Factories

SP Arcade, 303, 3rd Floor
123, Sarojini Street, Ram Nagar
Coimbatore - 641 009
Mob : 98430 76865
Email : logustructuress@gmail.com

DECLARATION

I, M.Loganathan, S/o. C.S.Maruthamuthu residing at SP Arcade, 303, 3rd Floor, 123, Sarojini Street, Ram Nagar, Coimbatore - 641 009 do hereby declare I posses the qualification and experience specified in the Table Rule II of the Madras Public Buildings (Licensing) Rules,1966 for issuing the certificates of structural soundness of the building covered by the certificate.

Place: Coimbatore
Date : **24.02.2024**

M. LOGANATHAN ME., Structi Hon s
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/0
D BASE CONSULTANTS
SP ARCADE, 102, 1st FLOOR, 123, SAROJINI STREET
RAMNAGAR, COIMBATORE- 641009.
Ph: 0422 2230223 Email: dbaseconsultantschennai@gmail.com

Signature of the certifying Engineer

1.	Name and Address	:	M.Loganathan, SP Arcade, 303, 3rd Floor, 123, Sarojini Street, Ram Nagar, Coimbatore - 641 009
2.	Engineering Qualification	:	M.E., M.I.E., FIV
3.	The number of years of experience and nature thereof	:	26 Years

Note

1. This certificate covers only t he buildings mentioned there in not any other buildings in premises
2. Maintenance ofthe above buildings should be made periodically
3. If the certificate is tampered illegally or made corrections /alterations without permission, knowledge, signature of the under signed, this certificate will automatically get cancelled.
4. This certificate never and out - scope ofany natural disasters like earthquake, cyclone fire & any other impacts which affects the stability of the buildings mentioned in this certificate.

Place: Coimbatore
Date : **24.02.2024**

Signature of the certifying Engineer

M. LOGANATHAN ME., Structi Hon s
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/0
D BASE CONSULTANTS
SP ARCADE, 102, 1st FLOOR, 123, SAROJINI STREET
RAMNAGAR, COIMBATORE- 641009.
Ph: 0422 2230223 Email: dbaseconsultantschennai@gmail.com

STATEMENT ACCOMPANY FORM - "A"

1,	Name of the building	:	**RESIDENTIAL APARTMENT BUILDING**
2.	Door No.of the Building, Location. (StreetNo. Ward No. Name of Place PanchayatUnion /Panchayat / Township	:	S.F.No.155/2B, T.S.No.2,3 & 4 Block No.72, Ward No.D(4) Kavundampalayam Village, Coimbatore Corporation.
3.	Year of construction	:	Building Under Construction
	Block -A	:	Stilt Floor, First,Second,Third,Fourth Fifth floor and Terrace Floor
	Block -B	:	Stilt Floor, First,Second,Third,Fourth Fifth floor and Terrace Floor
4.	Approximate cost of construction as per current rate	:	Block - A - Rs.5 Crores Block - B - Rs.5 Crores
5.	Purpose for which the building is used or proposed to be used	:	**Residential Purpose**
6.	Purpose for which the building has been used	:	**Residential Purpose**
7.	Area of the Building	:	

Block - A

Stilt floor	:	360.55 sqm		
First floor	:	362.48 sqm		
Second floor	:	362.48 sqm		
Third floor	:	362.48 sqm		
Fourth floor	:	362.48 sqm		
Fifth floor	:	362.48 sqm		
Terrace floor	:	25.79 sqm	=	2198.74sqm

Block - B

Stilt floor	:	383.36 sqm		
First floor	:	392.63 sqm		
Second floor	:	392.63 sqm		
Third floor	:	392.63 sqm		
Fourth floor	:	392.63 sqm		
Fifth floor	:	392.63 sqm		
Terrace floor	:	33.19 sqm	=	2379.70sqm

M. LOGANATHAN ME., Struct(Hon s.
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/01
D BASE CONSULTANTS
ARCADE, 102, Ist FLOOR, 123. SARDHA STREET
RAMNAGAR, COIMBATORE
Ph: 0422 2230223 Email. dbaseconsultants@gmail.com

8.	Detailsof construction of the building (Particulars of the foundation, soil specification of the various parts under)		
	a. Foundation	:	Hard gravel, PCC base course, Isolated RCC column footing with M20 grade
	b. Basement	:	RCC plinth beam of size 9"x12" - 9" thick brick masonry in CM upto 0.6m from ground level
	c. Superstructure	:	Structure with brick work in CM 1:6 Flooring with PCC and cement Wall plastering with cement mortar Outer walls internal walls with 9"thick brick walls. with necessary doors and windows.
	d. Floor and roof are to be given	:	Vitrified tiles & RCC roof
9.	Number of persons to be accommodated	:	**Block - A = 150 Persons** **Block - B = 150 Persons**
10.	The Period of License is required	:	**24.02.2024 to 23.02.2024**

Place : Coimbatore
Date : **24.02.2024**

M. LOGANATHAN ME, Struct(Hon's
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/
D BASE CONSULTANTS
P ARCADE, 102, Ist FLOOR, 123, SAROJINI S...
RAMNAGAR, COIMBATORE.
P: 0422 2230223 EMAIL: dbaseconsultants@...

Signature of the Engineer

Certified that no addition or alteration has been made to the existing building or portion of a building for which this application has been made. I undertake to obtain a fresh license in case any addition or alteration is made tothe existing building orportion of building. I also undertake to obtained a fresh license. If the purpose for which the License was granted forthe use of the building or a portion of the building originally is changed or altered subsequently.

Place : Coimbatore
Date : **24.02.2024**

Signature of the owner of the building

(A)

FORM - B

(For of application under sub-section (1) sub section (2) of section 4 of the madras public Buildings (Licensing) Act 1965 (Madras Act 13 of 1965) referred toin Rule 3 of the Madras Public Buiildings (Licensing) rules 1966)

1. **FOUNDATION :**

1.	Depth below Ground level	:	6'0"
2.	Nature ofsoil met with at foundation level	:	Hard gravel
3.	Pressure at foundation	:	267KN/m2
4.	Probablesafe bearing capacity of the statement with at foundation	:	440KN/Sq.m.Tons/M2

2. **SUPERSTRUCTURE**

1.	Maximum stress in the most critical section of masonry and concrete.	:	on concrete 60 tons per m2
2.	Natures of masonry and concrete and its safe permissible stress	:	Brickworkwith CM 1:6 12T/sq.ft. and M20 concrete - 37.16 T/Sq.ft.

The structural soundness ofthe building has been verified by me with reference to ISI loading standards 875 (Late version) and other relevant Indian Standard Code of practice and I declare that the building is structurally sound to be used as public building for the purpose noted in the statement. A license may be granted the period from the **24.02.2024 to 23.02.2027**

Reg.No.	:	**CIF Approval No.H1/20747/2023**
Class	:	**Dated: 08.12.2023 to 07.12.2026**
Address	:	SP Arcade, 303, 3rd Floor, 123, Sarojini Street, Ram Nagar, Coimbatore - 641 009

Signature of the Engineer

M. LOGANATHAN ME, Struct(Hon s
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/0
D BASE CONSULTANTS
SP ARCADE, 102, Ist FLOOR, 123. SAROJINI STREE
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email. dbaseconsultantscbe@gmail.c

STATEMENT TO ACCOMPANY THE CERTIFICATE OF STRUCTURAL SOUNDNESS

1.	Location of the Building - Door Number, Streetand name of Place	:	**RESIDENTIAL APARTMENT BUILDING** S.F.No.155/2B, T.S.No.2,3 & 4 Block No.72, Ward No.D(4) Kavundampalayam Village, Coimbatore Corporation.
2.	Age of the building		
	Block - A	:	Building Under Construction
	Block - B	:	Building Under Construction
3.	Number of storeys	:	
	Block -A	:	Stilt Floor, First,Second,Third,Fourth Fifth floor and Terrace Floor
	Block -B	:	Stilt Floor, First,Second,Third,Fourth Fifth floor and Terrace Floor
4.	Short description of structural steel: RCC framed or Load bearing only official purpose		**Residential Purpose**
5.	Purpose for which the Building will be structurally sound	:	**Residential Purpose**
6.	The period for which the building will be structurally sound	:	**24.02.2024 to 23.02.2024** (both days inclusive)
7.	No.of persons to be accommodated	:	**Block - A = 150 Persons** **Block - B = 150 Persons**
8.	Remarks	:	Nil

M. LOGANATHAN ME, Structural Engineer
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
LPA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/01
D BASE CONSULTANTS
D ARCADE, 102, Ist FLOOR, 123, SARUJINI STREET
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email: dbaseconsultantschennai.com

145

FORM –C

(Form of certificate of structural soundness under sub-section (4) of section 4 of the Tamil Nadu Public Building (Licensing) Act, 1963 (Tamil Nadu act of 1965) referred to in rule 4 of the Tamil Nadu Public building (Licensing) Rules, 1966).

I certify that I have inspected the building mentioned in the statement and furnish below its Salient Technical features. The structural Soundness of the Building has been verified taking into account the loading as per latest Indian standards 875, I therefore of the opinion of the a licence may be granted to the period of **Three years from 24.02.2024 to 23.02.2027**

Location of the Building, Door No. Street and Name of the Place	Age of the Building	No of stories	Short Description of the structure	Purpose for which the building is certified for use	The period for which the building will be structurally Soundness	No of persons to be Accommodated	Remarks
RESIDENTIAL APARTMENT BUILDING S.F.No.155/2B, T.S.No.2,3 & 4 Block No.72, Ward No.D(4) Kavundampalayam Village, Coimbatore Corporation.	Building Under Construction	**Block –A** Stilt Floor, First, Second, Third, Fourth Fifth floor and Terrace Floor **Block –B** Stilt Floor, First, Second, Third, Fourth Fifth floor and Terrace Floor	RCC framed Structure	**Residential Building**	**24.02.2024 To 23.02.2027**	**Block - A 150 Persons** **Block - B 150 Persons**	Nil

Place : Coimbatore
Date : **24.02.2024**

Signature of the Engineer

M. LOGANATHAN ME, Struct(Hon's
STRUCTURAL ENGINEERS, CHARTERED ENGINEERS, VALUERS
PA/RE/GR-I/19/04/039- LPA/SE/GR-I/19/04/01
D BASE CONSULTANTS
D ARCADE, 102, Ist FLOOR, 123, SARojini STREET
RAMNAGAR, COIMBATORE- 641009.
0422 2230223 Email. dbaseconsultants@gmail.com



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

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996
www.verified.realestate