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StructEcon
Built With Environment Care

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Mail: info.structecon@gmail.com
Web : www.structecon.com
GST : 33BTMPA2507C1ZE

*ARCHITECT *STRUCTURAL CONSULTANT

STABILITY CERTIFICATE

The detailed engineering and structure design of the proposed building comprising of **Stilt+5** Floors at **Dinnur Road, Hosur – 635110** comprised in **T.S.No:24/1A, Block No.17, Ward : C, Hosur Town (OLD S.No:200/B (Pt) Of Hosur Village) Hosur Taluk, Hosur City municipal corporation, Krishnagiri District.** Has beendone by us based on the report of Geotechnical investigation (Soil Test) done by **Department of Technical Education Government College of Engineering, Dharmapuri- 636704 (Report NO: GCE/CIVIL-SOIL/C-83/2024 Dated:21.05.2024)** 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. We have checked various parameters and found that the proposed building would be safe.

3) We further certify that;

(i) The Minimum grade of concrete is : **M30**

(ii) 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 Codes No **IS:875 (Part 3) – 1987** and designed of earthquake resistant structure as per IS Code No **IS 1893 (Part 1) :2002.**

4) The Building will be safe and sound for the purpose for which it is designed

Arul M G Ashika

ARUL.M.G. ASHIKA. M.E,
STRUCTURAL ENGINEER - Grade-I
Reg.No: SE/GRI/2023/01/001
DTCP Kanchipuram
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CIVIL & STRUCTURAL CONSULANT

Date: 05-06-2023

STRUCTURAL STABILITY CALCULATION

THE PROPOSED STILT, FIRST, SECOND, THIRD, FOURTH & FIFTH FLOOR RESIDENTIAL APARTMENT BUILDING IN T.S.NO:24/A, BLOCK:17, WARD:C, S.F.NO200/BPT AT DINNUR ROAD OF HOSUR TOWN, HOSUR CITY MUNICIPAL CORPORATION & TALUK, KRISHNAGIRI DISTRICT.

It is certified that:

1. The usage of proposed building is for Residential purpose.
2. The building is to be built on 9" thick brick walls and partition wall is of 4 1/2" thick.

It has been studied that the proposed structure with reference to the owner's information about the details of Foundations, Columns, Beams and Slabs etc., also the owner has submitted the proposed plan.

It is herewith enclosed the design sheet of RCC structural for the foundation, Columns, Beams, and Slabs, etc., according to the owner's information and the soil exploration report the structure is designed **STRUCTURALLY SAFE AND SOUND.**

Thanking Your

ARUL.M.G. ASHIKA. M.E,
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*CIVIL AND STRUCTURAL CONSULTANT

Annexure –XIV

[See rule51(3)]

Form 1

Structural Design Basis Report

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

Part1	General Data		
S.No.	Description	Information	Notes
1.	Site Address Plot No:24/A, Block No.17,Ward - C, S.F No.200/BPT, Dinnur Road, Hosur, Hosur Taluk, Krishnagiri District	S.F No.200/BPT	
2	Name of Owner	M/S CITY GARDEN PROMOTERS Represented by Mr. K.Ravikumar	
3	Name of Registered Developer along with the Registration Number		
4	Name of Registered Architect/Engineer along with the Registration Number	K.JAMAL MOHIDEEN	Reg.No.CGLRGN/RA/ Gr- I/2019/04/003
5	Name of Registered Structural engineer along with the Registration Number	ARUL M.G. ASHIKA	Reg. No.SE/GR.I/2023/01/001
6	Use of the building	Residential Building	Apartment
7	Number of stories above groun level (including storeys to be added later if any)	5	
8	Number of basements below ground	N/A	
9	Type of structure Load bearing walls R.C.C. frame R.C.C. frame and Shear Walls Steel frame	RCC FRAME AND SHEAR WALL	

Arul M G Ashika

ARUL.M.G. ASHIKA, M.E.,
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Little Mount, Chennai - 600 015.
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10	Soil data		IS:1893C1.6.3.5.2
	Type of soil		IS:1904
	Design safe bearing capacity	SOFT SOIL ISOLATE FOUNDATION	IS:1892 IS:2131 IS:2720
11	Dead loads (unit weight adopted)		
	• Earth	18.0 kN/M^3	
	• Water	10.0 kN/M^3	IS: 875 Part1
	• Brick masonry	22.5 kN/M^3	
	• Plain cement concrete	24.0 kN/M^3	
	• Reinforced cement concrete	30.0 kN/M^3	
	• Floor finish	2.00 kN/M^2	
	• Other fill materials		
12	Imposed (live) loads	Super Imposed Dead Load 15.00KN/ M^2	
	Floor loads	Live Load 3.00 kN/M^2	IS: 875 Part2
	Roof loads	Roof Load 7.00 kN/M^2	
13	Cyclone/Wind		
	• Speed	50 M/S	IS: 875Part3
	• Design pressure intensity	1.65	
14	Seismiczone	III	IS: 1893(2002)
15	Importance factor	1.0	IS:1893(2002) Table6
16	Seismiczonefactor (Z)	0.16	IS:1893Table 2
17	Responser eduction factor	5.0	IS:1893 Table 7
18	Fundamental natural period– approx.	0.4	IS:1893C1.7.6
19	Design horizontal acceleration spectrum value(A_h)	1.8	IS: 1893C1.6.4.2
20	Expansion/Separation Joints	25 MM EJ	
21	Building is regular/irregular	REGULAR	IS:1893

Enclose detailed drawings drawn to scale for each floor

- Incaseterracegardenisprovided,indicateadditionalfillloadandliveloadalongwiththedetailed drawings drawn to scale

Part 2 **Load bearing masonry buildings**

Sl.No.	Description	Information	Notes
1	Building category		IS: 4326 C1.7 ReadwithIS:1893 Zone III IV V Bldg. Ordinary B C D E Important C D E E
2	Basement Provided		

Part 3	Reinforced concrete framed buildings		
Sl. 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 with Shear Walls	IS: 1893 C17.1
2	Number of basements	NIL	
3	Number of floors including ground floor	5	
4	Horizontal floor system • Beams and slabs • Waffles • Ribbed floor • Flat slab with drops • Flat plate without drops	BEAM AND 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 analysis of ground water • Chemical analysis of soil	SOFT SOIL END BEARING PILES 600mm Dia. 20M Depth. 211 T Capacity	IS:1498
6	Foundations Depth belowground level Type Independent Interconnected Raft	END BEARING GROUP PILES 600mm Dia. 20M Depth. 211 T Capacity	
7	System of interconnecting foundations Plinth beams Foundation beams	GRADE BEAMS	IS: 1893 C17.12.1
8	Grades if concrete used in different parts of building	Pile & Pilecap - M35 R.C.C – M30 P.C.C – M15 Grade Slab – M20	
9	Method of analysis used	FEA	
10	Computer software used	STAAD PRO	
11	Torsion included	YES	IS: 1893 C17.9

12	Base shear		
	a. Based on approximate fundamental period	282213.7 KN (W) , 3389.9 KN (Vb)	IS: 1893Cl. 7.5.3
	b. Based on dynamic analysis		
	c. Ratio of a/b	0.83	
13	Distribution of seismic forces along the height of the building.	YES	IS:1893Cl.7.7 (Providesketch)
14	The Column of soft ground storey specially designed.	YES	IS: 1893Cl.7.10
15	Clear minimum cover provided in		IS: 456Cl. 26.4
	• Pile	75	
	• Column	40	
	• Beams	30	
	• Slabs	25	
	• Walls	40	
16	Ductile detailing of RC frame		
	• Type of reinforcement used	FE 550 D	IS: 456Cl. 5.6
	• Minimum dimension of beams	200X500	IS: 13920Cl.6.1
	• Minimum dimension of columns	200 X500	IS: 13920Cl.7.1.2
	• Minimum percentage of reinforcement of beams at any cross-section	1.5 %	IS: 456Cl.26.5.1(a)
	• Maximum percentage of reinforcement at any section of the beam	1.5%	IS: 13920Cl.6.2.1
	• Spacing of transverse reinforcement in 2-d length of beams near the ends	100 MM	IS:456 Cl.26.5.1.1(b)
	• Ratio of the capacity of beams in shear to capacity of beams in flexure	0.7	IS: 13920Cl.6.2.2
	• Maximum percentage of reinforcement in column	2.2%	
	• Confining stirrups near ends of columns and in beam-column joints	YES	IS: 13920Cl.6.3.5
	Diameter	10 MM	IS: 456Cl.26.5.3.1
	Spacing	100MM	
	• Ratio of shear capacity of columns to maximum seismic shear in the storey	0.75	IS: 13920Cl. 7.4
17	Does the features require clearance by SDRP Example: High rise building Prefab building, Building in hazardprone areas	NIL	

Foundation

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

ii. Incase 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 water pressure, and indicate the existing water table, and that assumed to design foundations.

Idealization for Earthquake analysis

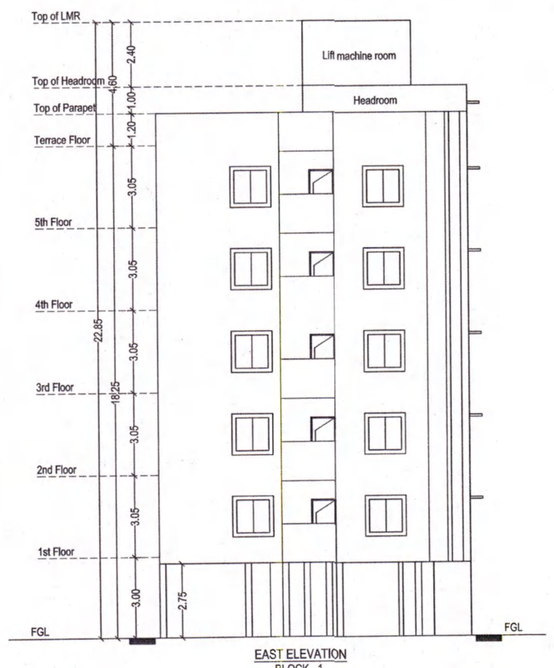
i. In case of composite system of shear walls and rigid frames, give distribution of base shear in the two systems on the basis of analysis, and that used for design of each system

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

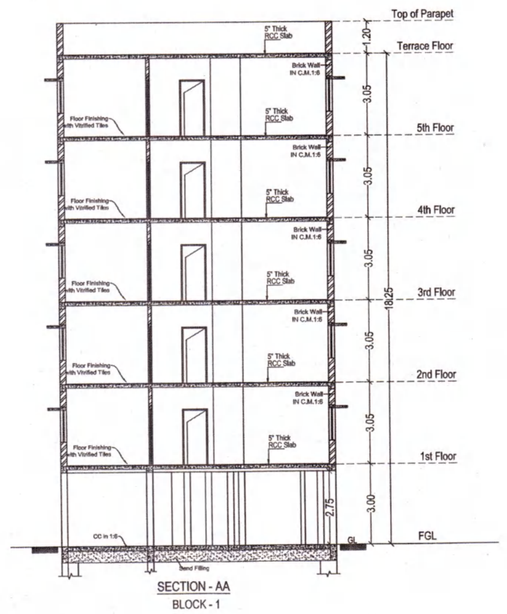
iii. Submit framing plans of each floor

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

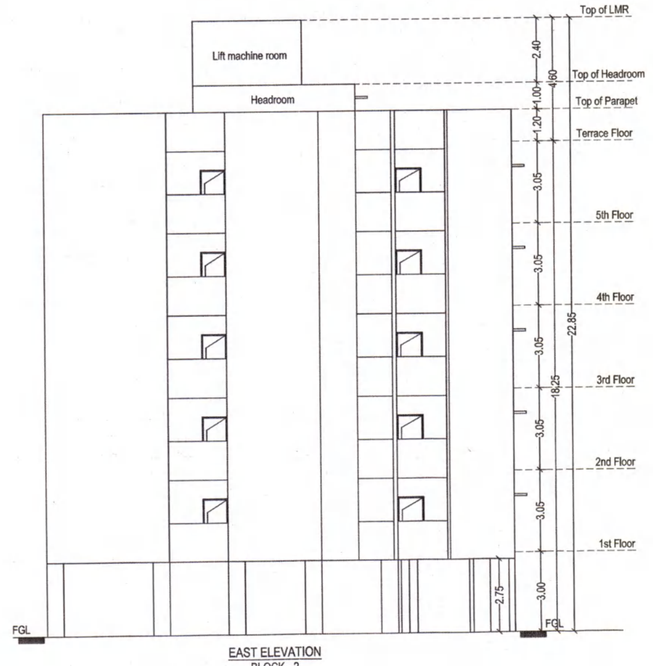
ARUL.M.G. ASHIKA. M.E,
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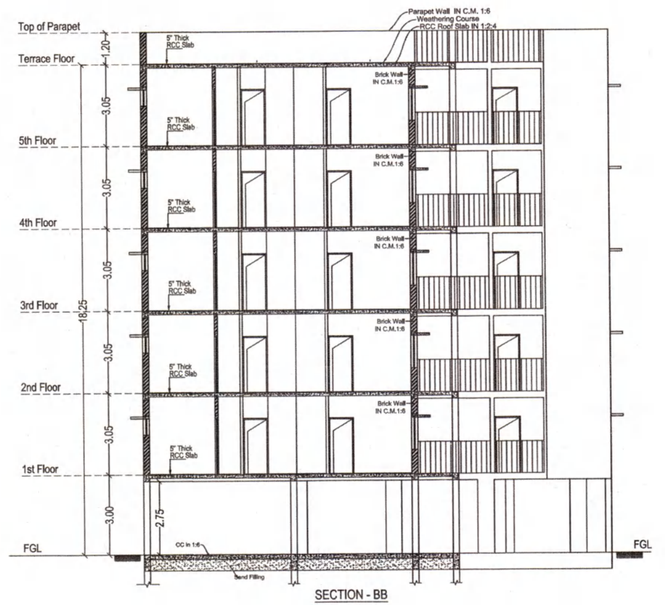
EAST ELEVATION
BLOCK - 1



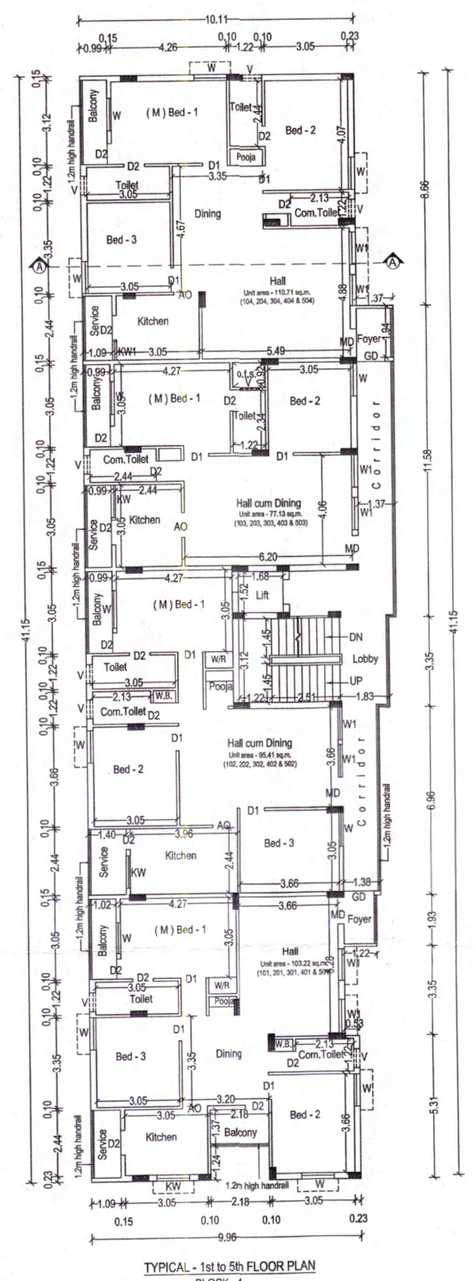
SECTION - AA
BLOCK - 1



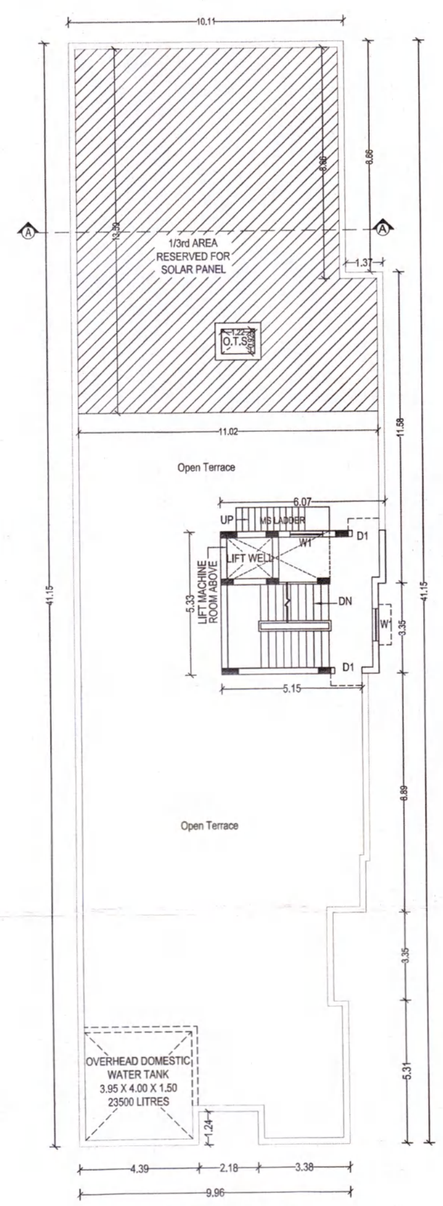
EAST ELEVATION
BLOCK - 2



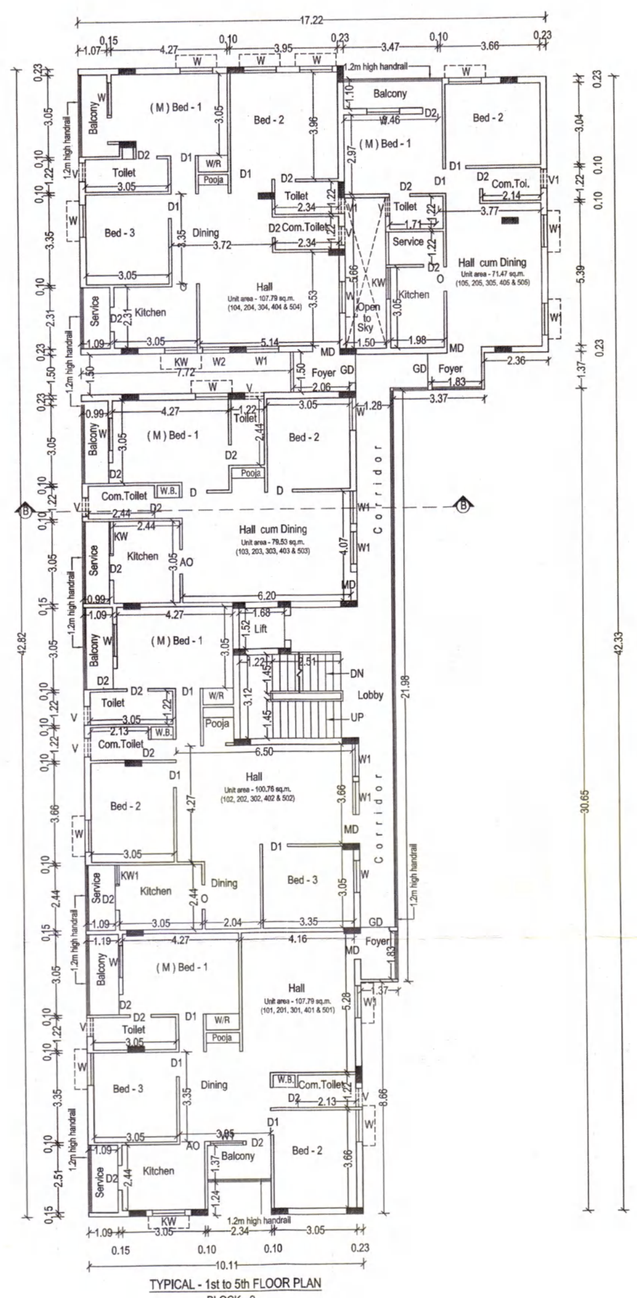
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BLOCK - 2



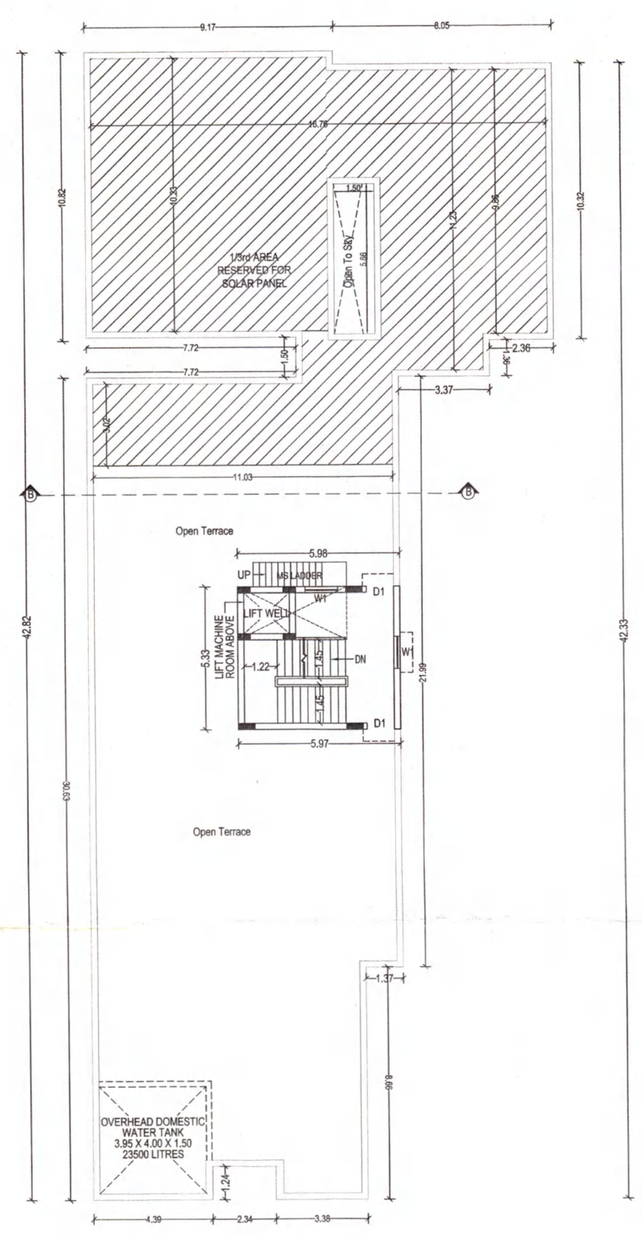
TYPICAL - 1st to 5th FLOOR PLAN
BLOCK - 1



TERRACE FLOOR PLAN
BLOCK - 1



TYPICAL - 1st to 5th FLOOR PLAN
BLOCK - 2



TERRACE FLOOR PLAN
BLOCK - 2

PLAN SHOWING THE PROPOSED GROUP DEVELOPMENT OF RESIDENTIAL APARTMENTS BLOCK-1,2 WITH STILT FLOOR +5 FLOORS AT DINNUR ROAD, HOSUR-635110.
COMPRISED IN T.S.No:24/1A, BLOCK NO.17, WARD:C, HOSUR TOWN (OLD S.No:200/B (Pt.), OF HOSUR VILLAGE) HOSUR TALUK, HOSUR CITY MUNICIPAL CORPORATION, KRISHNAGIRI DISTRICT

Schedule of Joineries

MD	Main Door	1.00 X 2.10
D1	Door	0.90 X 2.10
D2	Door	0.75 X 2.10
W	Window	1.20 X 1.50
W1	Window	1.20 X 1.80
W2	Window	1.00 X 1.80
KW	Kitchen Window	1.20 X 1.20
KW1	Kitchen Window	0.70 X 1.50
V	Ventilator	0.70 X 0.90
V1	Ventilator	0.60 X 0.90

Dwelling Area Statement

Block No.	Dwelling Unit	Unit Area
Block - 1	101	103.22
	102	95.41
	103	77.13
	104	110.71
	Total	386.47
	5 Floors	1,932.35
Block - 2	101	107.79
	102	100.76
	103	79.53
	104	107.79
	105	71.47
	Total	467.34
	5 Floors	2,336.70

COLOUR INDEX :

PROPOSED

STRUCTURAL ENGINEER :

ARCHITECT :

K. JHANI, MOHIDEEN, B.Arch.,
Regn. Licensed Architect /CA/1997/65555
New No:-15, 54th Street,
Anna Nagar, Chennai-600 102.
DTCP Registration No.
CB/LR/3811/ADD.1/3912/2023
Mobile : 9840059435
E-mail:jhanimohideen@gmail.com

OWNER :

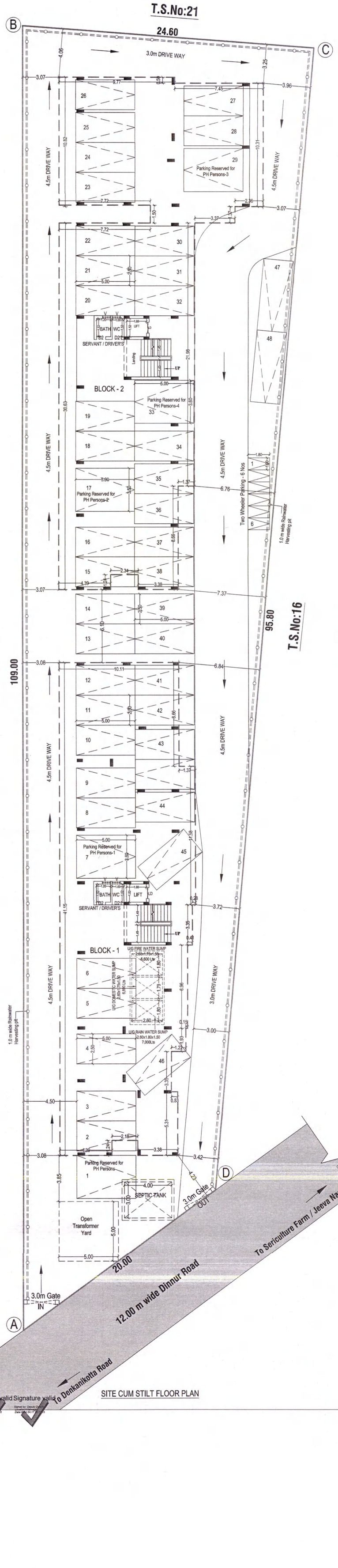
For CITY GARDEN PROMOTERS

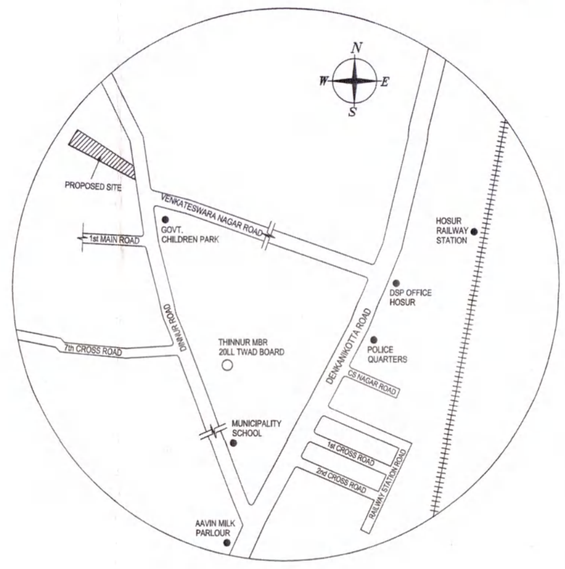
PARTNERS

BLOCK 1 & 2 - FLOOR PLANS, ELEVATION & SECTION

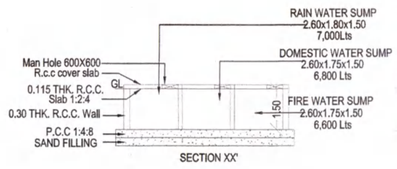
SCALE - 1:100 | SHEET NO. 2/2

Er. S. SURESH BABU
M.E.(Struct)..M Sc..(Rev)..A.I.V..A.M.I.E..MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class IA (TN Public Building Act)-2/2924/2020(2)
Panel Valuer For Banks, Regd Valuer For Wealth Tax (66/2016-17)
N-22,9th Cross,Shanthiillathan Near Old ASTC Hudco Hosur-635,109.
Phone:04344-290984,Cell:9443538864

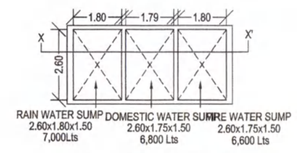




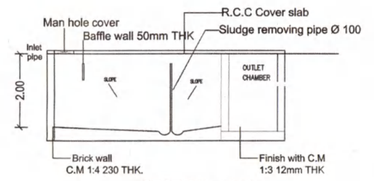
KEY PLAN
(NTS)



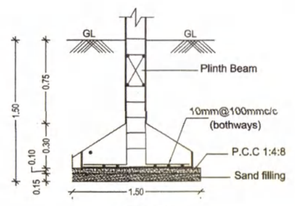
SECTION XX'



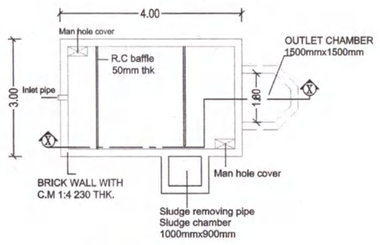
UG - WATER SUMP PLAN
NOT TO SCALE



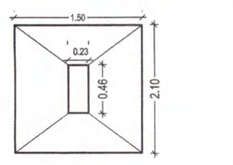
SECTION - 'X-X'
SCALE- N.T.S



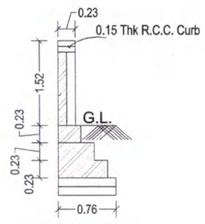
SECTION
FOUNDATION DETAILS



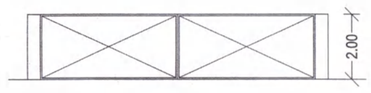
SEPTIC TANK DETAIL
SCALE- N.T.S



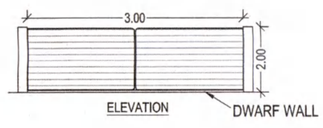
PLAN
FOUNDATION DETAILS

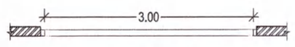


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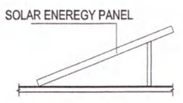


ELEVATION
COMPOUND WALL DETAIL
(NOT TO SCALE)

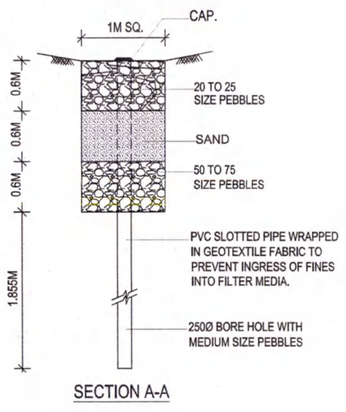




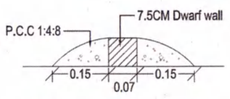
PLAN
GATE DETAILS



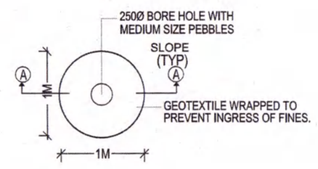
SECTION THROUGH SOLAR ENERGY SYSTEM
GENERAL POWER
(NOT TO SCALE)



SECTION A-A



CROSS SECTION OF DWARF WALL
(NOT TO SCALE)



PLAN
RAIN WATER HARVESTING PIT DETAIL
(NOT TO SCALE)

PLAN SHOWING THE PROPOSED GROUP DEVELOPMENT OF RESIDENTIAL APARTMENTS BLOCK-1,2 WITH STILT FLOOR + 5 FLOORS AT DINNUR ROAD, HOSUR-635110. COMPRISED IN T.S.No:24/1A OF BLOCK NO.17, WARD-C, HOSUR TOWN (OLD S.No:200/B (Pt.), OF HOSUR VILLAGE) HOSUR TALUK HOSUR CITY MUNICIPAL CORPORATION, KRISHNAGIRI DISTRICT

AREA STATEMENT :

PLOT EXTENT :

PLOT EXTENT AS PER PATTA = 2086.00 sq.m

SUPERIMPOSED PLOT AREA = 2061.82 sq.m

SL. NO.	BLOCK NAME	FLOOR	FSI AREA	NON-FSI AREA	BUILT-UP AREA	No. of Dwel. Unit
1.	BLOCK 1	Stilt Floor	-	434.39	434.39	-
		1st Floor	434.39	-	434.39	4
		2nd Floor	434.39	-	434.39	4
		3rd Floor	434.39	-	434.39	4
		4th Floor	434.39	-	434.39	4
		5th Floor	434.39	-	434.39	4
		Terrace Floor	-	31.44	31.44	-
		TOTAL	2171.95	465.83	2637.78	20
2.	BLOCK 2	Stilt Floor	-	519.88	519.88	-
		1st Floor	519.88	-	519.88	5
		2nd Floor	519.88	-	519.88	5
		3rd Floor	519.88	-	519.88	5
		4th Floor	519.88	-	519.88	5
		5th Floor	519.88	-	519.88	5
		Terrace Floor	-	31.87	31.87	-
		TOTAL	2599.40	551.75	3151.15	25

$$FSI = \frac{2171.95 + 2599.40}{2061.82} = \frac{4771.35}{2061.82} = 2.31$$

PARKING DETAILS :

	REQUIRED	PROVIDED
Car Parking	48 Nos	48 Nos
Two Wheeler Parking	6 Nos	6 Nos

PARKING CALCULATION

PARKING CATEGORY	UNIT AREA RANGE (sq.m)	DWELLING UNITS	CARS REQUIRED	TWO WHEELERS REQUIRED
Residential	50 -75	5	3	5
Residential	75 -150	40	40	
10 % VISITORS PARKING			5	1
TOTAL NO. OF PARKING REQUIRED			48	6

Dwelling Area Statement

Block No.	Dwelling Unit	Unit Area
Block - 1	101	103.22
	102	95.41
	103	77.13
	104	110.71
	Total	386.47
	5 Floors	1,932.35
Block - 2	101	107.79
	102	100.76
	103	79.53
	104	107.79
	105	71.47
	Total	467.34
	5 Floors	2,336.70

Schedule of Joineries

D2	Door	0.75 X 2.10
V	Ventilator	0.70 X 0.90

COLOUR INDEX :

PROPOSED

ROAD

BOUNDARY

N

STRUCTURAL ENGINEER :

ARCH.G. ASHIKA, M.E.
STRUCTURAL ENGINEER - Grade-I
Reg.No: SE/GR1/2023/01001
DTCP Kanchipuram
705, Bishop Delehy, L.B.G. Road,
Little Mount, Chennai - 600 015.
PH: 95661 87030 , 91762 41800
email: ashika1611@gmail.com

ARCHITECT :

K. JAMAL MOHIDEEN, B.Arch.,
Registered Architect-CA/93/01986
New No:15, 54th Street,
Ashok Nagar, Chennai-600 083.
DTCP Registration No.
CGLRGN-RAJ/Gr.I/2015/003
Mobile : 9840009425
E-mail : rjarchitects@gmail.com

OWNER :

For CITY GARDEN PROMOTERS

PARTNERS

SITE CUM STILT FLOOR PLAN

SCALE - 1:100 | SHEET NO. 1/2

SRI AMMAN ASSOCIATES

REGISTERED VALUERS, CHARTERED ENGINEERS & BANK VALUERS

Er. S. SURESH BABU,
B.Tech (Civil)., M.E (Struct)., M.Sc.(REV), A.I.V., A.M.I.E., MIITARB

Cell: **94433 65984** Phone: **04344-296984**

- ★ Approved Valuer A-17773
- ★ Bank Panel Valuer
- ★ Chartered Engineer A.M. 135035-O
- ★ Competent person under factories Act H1/3245/2022
- ★ Govt. Regd. Income Tax Valuer (06/2016-17) Govt. of India.
- ★ Govt. Registered Engineer Grade-I, HNTDA No.: 17/2020 RE.GR-I
- ★ Govt. Registered Engineer Gr-I Corporation-153/LS/2019/00009
- ★ Member Indian Institute of Technical Arbitration - M-001-182
- ★ Registered Engineer Class 1A (TN Public Building Act)-22924/2020/Q1

APPLICANT - Mr.N.NALLAPPAN & Mr.K.RAVIKUMAR

Ref : *SSC No. 01- 2024* ***Date :03-05-2024***

STRUCTURAL SOUNDNESS CERTIFICATE RELATING TO RESIDENTIAL APARTMENT BUILDING STATEMENT ACCOMPANYING FORM - A

1)	Name of the Building	:	Proposed Residential Apartment Old S.F.200/B Part T.S.No.24/1A, Ward-C, Block No:17, Hosur Town, Hosur Municipal Corporation, Hosur Taluk, Krishnagiri District - 635 109
2)	Location (Street name, Ward No, Name of place, (i.e.) Corporation / Municipality / Village / town Panchayat Township / Contonment)		
	D.No / Road	:	Dinnur Road
	Survey Field Nos.	:	S.F.200/B Part T.S.No: 24/1A
	Municipality / Village / Town Panchayat	:	Corporation
	Ward No	:	Ward-C
	Taluk	:	Hosur Taluk
	District	:	Krishnagiri District
3)	Year of construction Basement,	:	ANNEXURE - I
4)	Approximate cost of the construction as per current rates	:	ANNEXURE - I
5)	Purpose for which the building is being used or proposed to be used	:	Residential Apartment
6)	Purpose for which the building has hither to been used	:	Residential Apartment

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

Door No: H-32, Shanthinikethan, 9th Cross, Near Old ASTC Hudco, Hosur - 635 109. E.mail: sureshbabuamman@gmail.com

7) Details of construction of the building (particulars of the foundation, soil specification of various parts under)

1. Soil Type : Soft Soil
2. Foundation : R.C.C.with necessary columns & Beams, Foundation depth 2 4 .05m
3. Basement : RCC Columns & Plinth beam in RCC 1:1.5:
4. Super structure : Solid Wall Masonary & Plastering R.C.C. Flooring Structure Roofing
5. Flooring & Roof are to be given

	Floor	Roof	Area
Block -I	Stilt Floor Area :	RCC Roof	434.39 Sq.Mt.
	First Floor Area :	RCC Roof	434.39 Sq.Mt.
	Second Floor Area :	RCC Roof	434.39 Sq.Mt.
	Third Floor Area :	RCC Roof	434.39 Sq.Mt.
	Fourth Floor Area :	RCC Roof	434.39 Sq.Mt.
	Fifth Floor Area :	RCC Roof	434.39 Sq.Mt.
	Terrace Floor Area :	RCC Roof	31.44 Sq.Mt.
	Total Area :		2637.78 Sq.Mt
Block - II	Stilt Floor Area :	RCC Roof	519.88 Sq.Mt.
	First Floor Area :	RCC Roof	519.88 Sq.Mt.
	Second Floor Area :	RCC Roof	519.88 Sq.Mt.
	Third Floor Area :	RCC Roof	519.88 Sq.Mt.
	Fourth Floor Area :	RCC Roof	519.88 Sq.Mt.
	Fifth Floor Area :	RCC Roof	519.88 Sq.Mt.
	Terrace Floor Area :	RCC Roof	31.87Sq.Mt.
	Total Area :		3151.15 Sq.Mt

Block - I + Block - II Area = 5788.93 Sq.Mt

Rs.8,68,33,950 Approximately

9) No. of persons to be accommodated : **320 Persons only.**

(Three Hundred And Twenty persons only)

Signature of the Owner of the Building

Signature of the Panel Engineer
Class - IA (Reg No :22924/2020/Q1)

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I.V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class 1A (TN Public Building Act)-22924/2020/Q1
Panel Valuer For Banks, Regd Valuer For Wealth Tax (06./2016-17)
H-32,9th Cross,Shanthinikethan Near Old ASTC Hudco,Hosur-635109.
Phone:04344-296984,Cell:9443365984

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

Structural Specification

A) Framed Structure with reinforced

1) Maximum span of the beam :4.25
2) Maximum unsupported length of Columns : 3.15 m
3) Maximum size of the column : 0.20 X 0.50 m
4) Minimum size of the column : 0.20 X 0.50 m
5) Maximum size of the Beam : 0.20 X 0.50 m
6) Minimum size of the beam : 0.23 X 0.61 m

B) Dead loads assumed other than self weight. (IS 875 Part 1) Residential Building

1) For floor finishes : 2.00KN / Sq.m
2) For Partitions : 1.45KN / Sq.m
3) For trrrace finish : 1.65KN / sq.m

C) Design load on the structure for (IS 875 Part - 2) Commercial Building

1) Live load at floor level : 35.0KN/sq.m
2) Live load at roof level : 7.00KN/sq.m
   a) Other Service Loads as per actual
3) Collateral Load : 0.3KN/Sq.m

Signature of the Owner or Occupier of the Building

Signature of the Panel Engineer

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
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H-32,9th Cross,Shanthinikethan Near Old ASTC Hudco,Hosur-635109.
Phone:04344-296984,Cell:9443365984

Date : 03.05.2024
Place : Hosur

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

Date : 3/5/2024

ANNEXURE - I

(Vide Item No. 3 & 4 "STATEMENT ACCOMPANYING FORM - A" - Page 1/9)

&

(Vide Item No. 2, "FORM - B & C" - Page 5/9)

Sl. No	Building RCC Roof	Year of construction	Approved area of building in Sq.mt	Approx. cost in lakhs.	Age of the Building
1	SLIT FLOOR	Proposed building	434.39 Sq.Mt	65,15,850.00	Proposed
2	FIRST FLOOR		434.39 Sq.Mt	65,15,850.00	
3	SECOND FLOOR		434.39 Sq.Mt	65,15,850.00	
4	THIRD FLOOR		434.39 Sq.Mt	65,15,850.00	
5	FOURTH FLOOR		434.39 Sq.Mt	65,15,850.00	
6	FI FTH FLOOR		434.39 Sq.Mt	65,15,850.00	
7	TERRACE FLOOR		31.44 Sq.Mt	4,71,600.00	
		Total =	2637.78	3,95,66,700.00	
1	SLIT FLOOR	Proposed building	519.88 Sq.Mt.	77,98,200.00	Proposed
2	FIRST FLOOR		519.88 Sq.Mt.	77,98,200.00	
3	SECOND FLOOR		519.88 Sq.Mt.	77,98,200.00	
4	THIRD FLOOR		519.88 Sq.Mt.	77,98,200.00	
5	FOURTH FLOOR		519.88 Sq.Mt.	77,98,200.00	
6	FI FTH FLOOR		519.88 Sq.Mt.	77,98,200.00	
7	TERRACE FLOOR		31.87 Sq.Mt	4,78,050.00	
		Total =	3151.15	4,72,67,250.00	
Block - I & Block - II = 5788.93 Sq.Mt - VALUE = 8,68,33,950.00/-					

SRI AMMAN ASSOCIATES Chartered Engineer

ANNEXURE - II TO "STATEMENT ACCOMPANYING FORM - A"

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 licence in case any addition or alteration is made to the existing building or portion of building. I also undertake to obtain a fresh licence if the purpose for which the licence was granted for the use of the building originally is changed or altered subsequently.

This is further to certify that no thatched buildings / inflammable roof buildings are used within the building premises. Any thatched building constructed / used after issue of this certificate, I would be held responsible for fire accident / mishap that may occur later and I am aware that it is a punishable crime.

Date :03-05-2024

Signature of the Owner

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class 1A (TN Public Building Act)-22924/2020/Q1
Panel Valuer For Banks, Regd Valuer For Wealth Tax (06 /2016-17)
H-32,9th Cross,Shanthinikethan Near Old ASTC Hudco,Hosur-635109.
Phone:04344-296984,Cell:9443365984

SRI AMMAN ASSOCIATES * Chartered Engineer * HOSUR

FORM - 'B' & 'C'

Form of Certificate of Structural Soundness under sub-section (4) of section 4 of the Tamilnadu Public Buildings (Licensing) Act 1965 (Tamil Nadu Act 13 of 1965) referred to in rule 4 of the Tamilnadu Public Building (Licensing) Rules 1966.

I certify that I have inspected the building mentioned and furnished below its salient technical features and I have satisfied myself that the building is structurally sound to be used as a Public building for the purpose noted in the statement. The structural soundness of the building is verified taking into account the loading as per the Latest Bureau of Indian standards 875, a license may be granted for the period from 03.**05.2024 to 02.05.2027.** Three years only (inclusive of both days).

I. Foundation

1) Depth below ground level	:	3.50	
2) Nature of soil / met with at foundation level	:	Soft Sand	
3) Pressure at foundation	:	145.00	KN/m^2
4) Probable safe bearing capacity of strata met with at foundation	:	250.00	KN/m^2

II. Super structure

1) Maximum stress in the most critical section of masonry and concrete	:	Masonry As per IS 1905 Concrete As per IS 456
2) Nature of Masonry & Concrete and its safe permissible stress	:	Brick work - 0.35 N/mm^2 Concrete - 9.00 N/mm^2

Signature of the Engineer

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class 1A(TN Public Building Act)-22924/2020/Q1
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Phone:04344-296984,Cell:9443365984

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

Date : 3/5/2024

FORM - E

[Form of report to be made to the competent authority by inspecting authorities or officiers Appointed under other acts under section 28 of the Tamil Nadu public buildings (licensing) act, 1965 (Tamil Nadu Act 13 of 1965) Refered to in rule 7 of the Tamil Nadu public buildings (licensing) Rules, 1966.]

1	Name and designation of inspecting authority or officier appointed or having jurisdiction under any other act or law	:	Er. Suresh babu, M.E., (Struct) M.Sc., A.I.V., A.M.I.E., : District Collector Panel Engineer, Krishnagiri District, Class - 1A (Class - One A)
2	Location (Street No, Ward No, Name of place (i.e) Corporation / Municipality/ Panchayat, Panchayat Union / Township / Contonment		
	D.No / Road	:	Dinnur Road
	Survey Field Nos.	:	S.F.200/B Part T.S.No: 24/1A
	Village / Town / Panchayat	:	Town
	Ward No.	:	Ward- C
	Taluk	:	Hosur Taluk
	District	:	Krishnagiri District
3	Date of inspection	:	03.05.2024
4	Purpose for which the building is used	:	Residential Apartment
5	Nature of defects noticed	:	--
6	Suggestions for rectifying defects	:	--
7	If in dangerous condition immediate steps recommended to be taken	:	--

Signature of the Engineer

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I.V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class 1A (TN Public Building Act)-22924/2020/Q1
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Phone:04344-296984,Cell:9443365984

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

The structural soundness of the building has been verified by me with reference to ISI loading standards 875 (Latest version) and other relevant Indian standard code of practice and I dcelare that the building is structurally sound to be used as public building for the purpose noted in the statement A license may be granted for the period of three years from 03.05.2024 to 02.05.2027 both the days inclusive.

Location of the building Door. No, Street Name & Name of the Place	Age of the buil din	No. of Stories	Short Description of the structure steel, RCC frames or load bearing	Purpose for which the building is certified for use	The period for which the building wil be structurally sound	No. of persons to be accomodated	Remarks
1	2	3	4	5	6	7	8
Proposed Building #REF! S.F.No:200/B Part Hosur Town, Hosur Municipal Corporation, Hosur Taluk,	Ann exu re I	Stilt Floor, Ground Floor, First Floor, Second Floor, Thiord Floor & Fourth Floor, Fifth Floor & Terrace Floor	Framed structure	RESIDENTIAL APARTMENT	Three Years (03.05.2024 to 02.05.2027)	**320 Persons (Three Hundred And Twenty Persons)**	**Propose d Building**

SRI AMMAN ASSOCIATES HOSUR Chartered Engineers

COMMERCIAL BUILDING IN OLD S.F.No.200/B Part, Ward-C, BLOCK No.17, T.S.No.24/1A AT DINNUR ROAD, HOSUR TOWN, HOSUR CITY MUNICIPAL CORPORATION, HOSUR TALUK, KRISHNAGIRI DISTRICT.

CALCULATION OF WATER SUPPLY:

Data taken to account for the caluations are as per the Guidelines given in the NBC.

No.of floor : STILT FLOOR + 5 floors

Population (Assumed) : 320 persons

Total requirement of water supply / Head / Day in liters as per IS 1172 For

Total Requirement of water : 320 person X 40 lit = 12800 lit / day

As per IS 1172, from the required water supply assumptions are as follows

Dor drinking purpose : 5 lit.Head / Day

Drinking water for the total Nos. of person : 320 person X 5 lit = 1600 lit / day

Therefore water other drinking & cooking purpose is :12800-1600 = 11200 lit / day

As per IS 1172, for WC flushing System, the water Consumption perday is assumed as 20 lit per person

Therefore 320 person water consumed is 320X20 = 6400 lit / day

water taken for collection tank 11200-6400 = 4800lit / day

As explained above, 4800 lit of Effluent is connected with septic tank and treated. The

As per the above details, I certify that the treatment plant proposed within the site is more than sufficent for treating for treating os waste water produced. And the septic tank and the dispersion trenches provided will be sufficient for the treatmrnt of sewage water and the soaking of the treated Effluent.

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR

STRUCTURAL SOUNDNESS CERTIFICATE
RELATING TO RESIDENTIAL APARTMENT

Date : ***3/5/2024***

DECLARATION

I, ***Er. S.Suresh babu***, **B.E., M.E., M.Sc., A.M.I.E., A.I.V.,** Son of Mr. Sampangi Raj residing at Tirupattur District do hereby declare that I possess the qualification and experience specified in the Structural Soundness of the building covered by the certificate.

I am an ***APPROVED & REGISTERED ENGINEER*** by the ***Collector of the Krishnagiri District,*** under "Tamil Nadu Public Building (Licensing) Act & Rules 1966", to issue the Structural Soundness Certificate to public like the "Commercial Building" under reference..

Signature of the Engineer

Er. S. SURESH BABU
M.E.(Struct).,M.Sc.,(Rev).,A.I V.,A.M.I.E.,MIITARB
Chartered Engineer & Registered Valuer
Registered Engineer Class 1A(TN Public Building Act)-22924/2020/Q1
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H-32,9th Cross,Shanthinikethan Near Old ASTC Hudco,Hosur-635109.
Phone:04344-296984,Cell:9443659984

1) Name in Block letters : ***Er. S.Suresh babu,***

2) Engineering Qualificatio : ***B.Tech (Civil), M.E (Struct), M.Sc(REV),A.I.V,), A.M.I.E.,***

3) Experience : 23 years as a Civil Engineer and Approved Engineer by the Board of Engineers By Govt. of Tamil Nadu and the Collector of Krishnagiri District.
Vide order No.22924/2020/Q1 dtd.21-02-2023

Place : Hosur

Date : 3/5/2024

SRI AMMAN ASSOCIATES Chartered Engineer HOSUR



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.

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

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



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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

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

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