

**Er. S. SURESH BABU,**

B.Tech (Civil), M.E (Struct), M.Sc.(REV), A.I.V, A.M.I.E., MITARB

Cell: 94433 65984 Phone: 04344-296984

- ★ Approved Valuer A-17773
- ★ Bank Panel Valuer
- ★ Chartered Engineer A.M. 135035-0
- ★ 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 - VELAMMAL VIDYALAYA SCHOOL

Ref: SSC No. 01/02/ 2025

Date : 28.02.2025

### STRUCTURAL SOUNDNESS CERTIFICATE RELATING TO COMMERCIAL BUILDING IN VELAMMAL VIDYALAYA SCHOOL STATEMENT ACCOMPANYING FORM - A

- 1) Name of the Building : **The RCC Roof Educational Institution**  
Building In Velammal Vidyalaya School,  
No.47, S.F.No.949, T.S.No.47/1, 47/2  
& 47/4, Ward - C, Block - 58,  
Rayakottah Road, Hosur Town,  
Hosur City Municipal Corporation,  
Hosur Taluk,
- 2) Location (Street name, Ward No,  
Name of place, (i.e.) Corporation /  
Municipality / Village / town Panchayat  
Township / Contonment )  
D.No / Road : No.47, B.T Road  
Survey Field Nos. : S.F.No.949, T.S.No.47/1, 47/2 & 47/4  
Municipality / Village / Town Panchayat : Hosur City Municipal Corporation  
Ward No : Ward-C  
Taluk : Hosur Taluk  
District : Krishnagiri District
- 3) Year of construction Basement, : ANNEXURE - I
- 4) Approximate cost of the construction : ANNEXURE - I  
as per current rates
- 5) Purpose for which the building is :  
being used or proposed to be used  
Purpose for which the building has  
6) hitherto been used : Educational Institution

Page No. 1



## APPLICANT - VELAMMAL VIDYALAYA SCHOOL

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

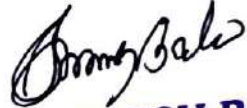
1. Soil Type : Red Soil  
2. Foundation : R.C.C.with necessary columns & Beams,  
Foundation depth 2.10m, 2.40m,  
2.70m, 3.00m, 3.30m & 3.60m  
3. Basement : RCC Columns & Plinth beam in RCC  
1:1.5:3  
4. Super structure : Brick Walls Masonary & Plastering  
R.C.C. Flooring Structure Roofing

5. Flooring & Roof are to be given	<u>Floor</u>	<u>Roof</u>	<u>Area</u>
	G.F.Area :	RCC Roof	1356.96 S.mtr.
	F.F.Area :	RCC Roof	1356.96 S.mtr.
	S.F.Area :	RCC Roof	1356.96 S.mtr.
	Head Room :	RCC Roof	69.16 S.mtr.
	Total Area :		4140.04 S.mtr.
	Approximate Cost :		4140.04 X10000/S.mt
			Rs.4,14,00,400/- (Approximately)

- 8) Period for which licence is required : For 3 years from  
28.02.2025 to 27.02.2028  
both days inclusive - 3 years only  
9) No. of persons to be accommodated : **1500 Students only.**  
(Thousand Five Hundred Students 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., MITTARE  
Chartered Engineer & Registered Valuer  
Govt. Registered Engineer Grade-I  
H-32, Shanthinikethan, 9th Cross,  
Near Old ASTC Hudco, HOSUR-635 19.  
Phone : 04344-256934, Cell : 9443365984



## APPLICANT - VELAMMAL VIDYALAYA SCHOOL

### Structural Specification

#### A) Framed Structure with reinforced

- 1) Maximum span of the beam : 5.00 m
- 2) Maximum unsupported length of Columns : 3.15 m
- 3) Maximum size of the column : 0.45 X 0.45 m
- 4) Minimum size of the column : 0.23 X 0.45 m
- 5) Maximum size of the Beam : 0.45 X 0.60 m
- 6) Minimum size of the beam : 0.23 X 0.60 m

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

- 1) For floor finishes : 1.05KN / 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 : 0.45KN/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

Date : 28.02.2025

Place : Hosur

Signature of the Panel Engineer



**Er. S. SURESH BABU**

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Phone : 04244-296984, Cell : 9443365984



APPLICANT - VELAMMAL VIDYALAYA SCHOOL

Date : 28.02.2025

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	Buildings	Year of construction	Approved area of building in s.mtr.	Approx. cost in lakhs.	Age of the Building
	<u>RCC Roof</u>				
1	G.F	New Building	1356.96	1,35,69,600	New Building
2	F.F	New Building	1356.96	1,35,69,600	New Building
3	S.F	New Building	1356.96	1,35,69,600	New Building
4	T.F	New Building	69.16	6,91,600.00	New Building
Total Area			4140.04 S.mtr	4,14,00,400.00/-	

Signature of the Engineer



**Er. S. SURESH BABU**

M.E. (Struct.), M.Sc.(Rev.), A.I.V., A.M.I.E., MITARE  
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Govt. Registered Engineer Grade-I  
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**APPLICANT - VELAMMAL VIDYALAYA SCHOOL**

**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 : 28.02.2025**

**Signature of the Owner**



**Er. S. SURESH BABU**

M.E. (Struct.), M.Sc.,(Rev), A.I.V., A.M.I.E., MITARE  
Chartered Engineer & Registered Valuer  
Govt. Registered Engineer Grade-I  
H-32, Shanthinikethan, 9th Cross,  
Near Old ASTC Hudco, HOSUR-535 19.  
Phone : 04344-296984, Cell : 9443365984



## APPLICANT - VELAMMAL VIDYALAYA SCHOOL

### 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 **28.02.2025 to 27.02.2028**. Three years only (inclusive of both days).

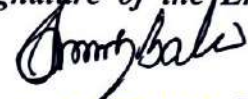
#### I. Foundation

- |  |   |                          |
|--|---|--------------------------|
| 1) Depth below ground level  | : | 3.00                     |
| 2) Nature of soil / met with at foundation level                   | : | Well Graded Reddish Soil |
| 3) Pressure at foundation  | : | 100.00 KN/m <sup>2</sup> |
| 4) Probable safe bearing capacity of strata met with at foundation | : | 300.00 KN/m <sup>2</sup> |

#### II. Super structure

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

*Signature of the Engineer*



**Dr. S. SURESH BABU**

M.Sc. (Struct.), M.Sc. (Rev.), A.I.V., A.M.I.E., MITARE  
Chartered Engineer & Registered Valuer  
Govt. Registered Engineer Grade-I  
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**APPLICANT - VELAMMAL VIDYALAYA SCHOOL**

**FORM - E**

**Date : 28.02.2025**

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

- |   |   |   |
|---|---|---|
| 1 Name and designation of inspecting authority or officer appointed or having jurisdiction under any other act or law   | : | Er. Suresh babu,<br>B.Tech (Civil), M.E (Struct),<br>M.Sc(REV), AMIE, AIV,<br>MITARB<br>District Collector Panel Engineer,<br>Krishnagiri District,<br>Class - 1A (Class - One A) |
| 2 Location (Street No, Ward No, Name of place (i.e) Corporation / Municipality/ Panchayat, Panchayat Union / Township / Contonment<br>D.No / Road<br>Survey Field Nos.<br>Village / Town / Panchayat<br>Ward No.<br>Taluk<br>District | : | No.47, B.T Road<br>S.F.No.949, T.S.No.47/1, 47/2 & 47/4<br>Town<br>Ward-C<br>Hosur Taluk<br>Krishnagiri District  |
| 3 Date of inspection  | : | 28.02.2025  |
| 4 Purpose for which the building is used  | : | School Purpose<br>The RCC Roof Educational Institution  |
| 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., MITARE  
Chartered Engineer & Registered Valuer  
Govt. Registered Engineer Grade-I  
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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 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 for the period of three years from 28.02.2025 to 27.02.2028 both the days inclusive.

Location of the building Door. No, Street Name & Name of the place	Age of the building	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 will be structurally sound	No. of persons to be accommodated	Remarks
1	2	3	4	5	6	7	8
<b>The RCC Roof Educational Institution</b> Building In Velammal Vidyalaya #REF! #REF! #REF! Hosur City	Annexure I	Ground Floor, First Floor, Second Floor & Head Room	Framed structure	<i>"Commercial Building"</i>	Three Years (28.02.2025 to 27.02.2028)	<b>1500 Students (Thousand Five Hundred Students Only)</b>	--

**CERTIFICATE REGARDING EFFLUENT DISCHARGE FOR THE PROPOSED  
COMMERCIAL BUILDING IN School, No.47, S.F.No.949, T.S.No.47/1, 47/2, & 47/4,  
Ward - C, Block - 58, Rayakottah Road, Hosur Town, Hosur City Municipal  
Corporation, Hosur Taluk, Krishnagiri District - 635 109**

**CALCULATION OF WATER SUPPLY:**

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

No.of floor : Ground Floor + 2 floors

Population (Assumed) : 1500 Students

Total requirement of water supply / Head / Day in liters as per IS 1172 For  
Popilation up to 10,000 person - 45lit / Head / Day

Total Requirement of water : 1500 StudentsX40 lit=60000 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 : 1500 person X 5 lit = 7500 lit / day

Therefore water other drinking & cooking purpose is :60000-7500 = 52500 lit / day

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

Therefore 1500 person water consumed is 1500X20 = 30000 lit / day

water taken for collection tank 52500-30000 = 22500 lit / day

As explained above, 6750 lit of Effluent is connected with septic tank and treated. The treated water is allowed to the dispersion trenches provided in the site. The above water will be soaked in the earth beneath the applicant site. No quantity of water will be connected to the public drainage. Therefore no amount of sewage water will be expelled from the site.

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.


**STRUCTURAL SOUNDNESS CERTIFICATE**  
**RELATING TO COMMERCIAL BUILDING IN**  
**VELAMMAL VIDYALAYA SCHOOL**

Date : 28.02.2025

**DECLARATION**

I, **Er. Suresh babu**, B.Tech (Civil), M.E (Struct), M.Sc(REV), AMIE, AIV, MITARB Son of Mr. Sampangiraj residing at Krishnagiri 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., MITARE  
Chartered Engineer & Registered Valuer  
Govt. Registered Engineer Grade-I  
H-32, Shanthinikethan, 9th Cross,  
Near Old ASTC Hudco, HOSUR-635 19.  
Phone : 04344-298984, Cell : 9443365984

- 1) Name in Block letters : **Er. Suresh babu**,
- 2) Engineering Qualification : **B.Tech (Civil), M.E (Struct), M.Sc(REV), AMIE, AIV, MITARB**
- 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 : 28.02.2025**



PROCEEDINGS OF THE DISTRICT COLLECTOR, KRISHNAGIRI

Present: Thiru.Deepak Jacob., I.A.S.,

Roc.no.22924/2020/Q1

Dated: 21.02.2023

Sub: Tamil Nadu Public Building (Licensing) Act 1965 -  
Krishnagiri District - Inclusion of the name of  
Er.S.Suresh Babu in the panel of Private Practicing  
Engineers under Class - IA (ONE A) category in  
Krishnagiri District - Approval of Board of Engineers  
orders issued - Regarding.

- Ref:-
1. Application of Er.S.Suresh Babu, dated: 07.09.2020.
  2. This office letter Roc.no.22924/2020/Q1, dated: 24.12.2020.
  3. The Engineer-in-Chief and Chief Engineer (General),  
Public Works Department, Chennai  
Lr.No.AEE/T10/BOE002/003943-20/2022,  
dated: 09.12.2022.



ORDER:


1) Er.S.Suresh Babu residing at L-78 Old Temple Land, HUDCO, Hosur, Krishnagiri - 635 109 has applied for the inclusion of his name in the panel of Private Practicing Engineer under class IA category in Krishnagiri District vide reference 1<sup>st</sup> cited.

2) The application received from Er.S.Suresh Babu has been forwarded to the Superintending Engineer (PWD) Building Circle (construction and Maintenance) Salem for offering his remarks. The Board of Engineers has approved the name of Er.S.Suresh Babu to include in the Private Practicing Engineers vide reference 3<sup>rd</sup> cited.




3) As such the name of Er.S.Suresh Babu residing at L-78 Old Temple Land HUDCO, Hosur, Krishnagiri - 635 109 is hereby drawn and included in the panel of Private Practicing Engineer under Class IA Category in Krishnagiri District.

//True copy//

  
For Collector  
Krishnagiri.

Sd/- Deepak Jacob  
District Collector,  
Krishnagiri.

To

  
Er.S.Suresh Babu,  
L-78 Old Temple Land,  
HUDCO,  
Hosur,  
Krishnagiri - 635 109 .

Copy to the :

1. The Engineer-in-Chief, WRD., and Chief Engineer (General), Public Works Department, Chennai - 600 005.
2. Superintending Engineer (PWD) Building (Construction and Maintenance) Circle, P.B.No.724, Kumarasamy patty, Salem 636007.
3. Revenue Divisional Officer, Krishnagiri/ Hosur.
4. All Tahsildars, Krishnagiri District.
5. Chief Educational Officer, Krishnagiri.
6. District Elementary Educational Officer, Krishnagiri/ Mathur / Hosur / Denkanakottai.
7. All Block Development Officers, Krishnagiri District.
8. Executive Engineer (PWD), Building Division, Dharmapuri.
9. Assistant Director, Town Panchayat, Dharmapuri.
10. All Executive Officer, Town Panchayat, Krishnagiri District.
11. Municipal Commissioner, Krishnagiri/Hosur.
12. PO, DRDA, District collectorate, Krishnagiri.

