

STRUCTURAL STABILITY CERTIFICATE

NAME OF THE SCHOOL : PON VIDYASHRAM

ADDRESS : Plot No. 64 to 80 & 91 to 96 in S.Nos. 5/1 Part, 5/2 Part, 5/13 & 5/14 Part of Porur Village, Sapthagiri Nagar, Opposite to ARS Garden, Arcot Road, Valasaravakkam, Chennai – 600 087.

ASSESED AS ON : 03.05.2023

PREPARED BY : **Dr.V. SUNDARARAJULU,FIE,PE,CEng,
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Collector Approved - Class I – A Engineer,
Chennai Gazette No.5.Dt.03.09.1997,
Chennai Collector No.V2,58429/96/08.07.1997

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No. 146 / 410, TVS Avenue,
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Date : 03.05.2023

FORM - A

1. Door Number of Building : PON VIDYASHRAM
Plot No.64 to 80 & 91 to 96 in
S.Nos.5/1 Part, 5/2 Part, 5/13
& 5/14 Part of Porur Village
2. Location (St.No.Ward No. : Plot No.64 to 80 AND 91 to 96,
of the place i.e. S.Nos.5/1Part, 5/2 Part, 5/13&5/14
(Corporation/Municipality Part of Porur Village, Sapthagiri
/Panchayat/Township/ Nagar, Opposite to ARS Garden,
Contonment). Arcot Road, Valasaravakkam,
Chennai - 600 087.
3. Date of Inspection : 03.05.2023
4. Year of Construction : 2005
5. Approximate cost of
construction as per
current rate
a) Present Construction Cost : Rs.1800/sft

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b) Present Depreciation of the : Rs.18.05 Crores
total buildings with all
infrastructures

a) Plinth area : GF : 37,125 sft
FF : 34,973 sft
SF : 27,921 sft
TF : 20,097 sft
Head Room : 2,153 sft
etc.,

Total Plinth Area : 1,22,269 sft

6. Purpose for which the : School Building
Building is being used
or proposed to be used

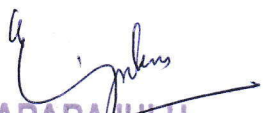
7. Purpose for which the : School Building only
building is further to
be used

8. Details of construction : Soil : Sand Mixed with Stiff Clay
of the building particular
of the foundation soil,
specification of the
various parts under


a. Foundation : Isolated RCC Footings

b. Basement : Brick Work in Cement Mortar 1:6


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- c. Superstructure : RCC Framed Structure with Brick
Masonry Walls in Cement Mortar 1:6
- d. Floor and Roof : RCC Roof in all floors.
9. Period for which license is required : 07.05.2023 to 06.05.2026
10. Number of Students to be Accommodated : Teaching Staff - 210 Nos
Non Teaching Staff - 95 Nos
Students - 3500 Nos
(As reported by the School Management)



Signature of the Owner
of the Building



Signature of the Engineer
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Date : 03.05.2023

FORM - B

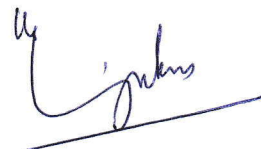
STATEMENT TO ACCOMPANY THE CERTIFICATE OF STRUCTURAL SOUNDNESS

Location of the building	Age of the building	No. of floors	Value of the building	Short description of the structure
1	2	3	4	5

PON VIDYASHRAM, Sapthagiri Nagar Walasaravakkam Chennai - 87.	18 Years	G+3	18,05,00,000/-	Framed structure with Brick Masonry Walls and RCC Roof.
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Purpose of the building	The period for which the building will be structurally sound (minimum).	No. of students to be accommodated	Remarks
6	7	8	9

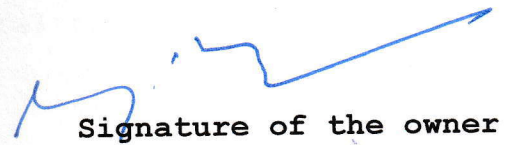
School Building	3 Years 07.05.2023- 06.05.2026	Teaching Staff -210Nos Non Teaching Staff-95 Nos Students-3500 Nos	The building is structurally Sound
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Signature of the Engineer

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 Chennai - 600 101. Ph : 044-2654 4488

Certified that there are no thatched buildings are used for conducting any classes in this school premises. If any thatched building's are constructed after the issue of this license we are held responsible for any fire accident that occurs later and that I/We are aware that our license will be cancelled.



Signature of the owner

Dt. 03.05.2023

FORM - C

Form of certificate of structural soundness under sub section (4) of section 4 of the Tamil Nadu Public Buildings (licensing) Act 1965 (Tamil Nadu Act 13 of 1965) referred to in Rule 4 of the Tamil Nadu Public Buildings (Licensing) Rules 1966.

I. Certify that I have inspected the building mentioned in the statement and furnish below the salient technical features:

II. **FOUNDATION :**

- II. Depth below Ground level : 2.44 m and 3.00 m from existing Ground Level
- III. Nature of soil set out in the foundation level : Sand Mixed with Stiff clay
- III. Pressure at Foundation : 14.5 t / sq.m.
- IV. Probable safe bearing Capacity of the Strata met with foundation. : 20.0 t / sq.m.

II. **SUB STRUCTURE :**

Maximum Compressive stress in : 5 kg/sq.cm
the most Critical Section of masonry

Permissible maximum compressive : 7 kg/sq.cm
stress in Masonry (BW in CM 1:6, 20cm thick), for (the crushing strength of 80kg/cm²) as per Table 4 of IS 1905

II) Maximum Compressive stress in the most :
Critical Section of concrete for M25 Grade

- a) Bending : 6 N/mm² (60 kg/cm²)
b) Direct : 4 N/mm² (40 kg/cm²)

III) Maximum Permissible compressive stress :
for concrete M25 Grade as per Table 21 of
IS 456-2000

- a) Bending : 8.5 N/mm² (85 kg/cm²)
b) Direct : 6 N/mm² (60 kg/cm²)

I certify that the structural soundness of the building has been
verified by me with reference to ISI loading standards 875 (latest
version) and other relevant Indian standards code of practice, and I
declare that the building is structurally sound to be used as a public
building for the purpose noted in the statement. License may be granted
for the period from 07.05.2023 to 06.05.2026
(Three Years).



Signature of the Engineer

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DECLARATION

I, Dr. V. SUNDARARAJULU, Govt. Class I - A Engineer, Approved by Collector of Chennai, residing at 146/410, TVS Avenue, 40th Street, Anna Nagar Western Extension, Chennai - 600 101, do hereby declare that I possess the qualification and experience specified in the Table to Rule 11 of the Madras Public Buildings (Licensing Rule 1966) for issuing the certificate of structural soundness of the building covered by the certificate.

Collector of Chennai approved letter no. V2-58429-96 dt. 08.07.97 notified in the Chennai Gazette No.5, dt. 03.09.1997 for the purpose of issue of Certificate of Soundness.



Signature of the Engineer

Station : Chennai-101
Date : 03.05.2023

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Dt. 03.05.2023

STATEMENT ACCOMPANYING FORM - E

Form of report to be made to the Competent Authority by inspecting authorities or officers appointed under section 28 of the Madras Public building (Licensing) Act 1965 (Madras Act 13 of 1965 referred to rule 7 of the Madras Public Building (Licensing) Rule 1966

Sl. No.	Location of the building Door No. Street Name & Name of the locality of the building inspected (Door No., Name of place, Municipality, Panchayat or Panchayat Union Township, Cantonment	Date of Inspection	Purpose for which building is uses	Nature of defects noticed	Suggestion for rectifying the defect	If in a dangerous condition step, recommender to be taken
1	Plot No.64 to 80 & 91 to 96 within S.Nos.5/1 Part, 5/2 Part, 5/13 & 5/14 Part of Porur Village, Sathagiri Nagar, Opposite to ARS Garden, Arcot Road, Valasaravakkam, Chennai - 600 087.	03.05.2023	School Building	Nil	Nil	Nil

Place : Chennai - 600 101

Date : 03.05.2023

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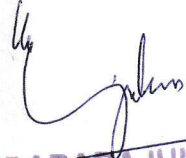
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Dt.03.05.2023

CALCULATION SHEET

- 1 Total Area of the Building : 1,22,269, sft
2 Present Construction Cost for Hall Type Buildings : Rs.1800 / sft
3 Depreciation is considered the salvage value of 10% : 1% per year
(For 90 Years life for RCC Buildings)
10% debris cost will be there even after 90 years
So, 90 Year / 90% = 1% per Year
4 For 18 Years Depreciation is : 18%
5 Present Depreciation Value of the Building $Rs.1800 \times 1,22,269 \times (100 - 18)/100$
 $= 1800 \times 1,22,269 \times (82/100)$
 $= Rs.18,04,69,044/-$
Say **Rs.18.05 Crores**


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