

VVKM
o/c

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 - 600 037.

ASSESED AS ON : 07.05.2020

PREPARED BY

V. SUNDARARAJULU

Class I - A Engineer,

Approved by Collector of Chennai

146 / 410, TVS Avenue, Anna Nagar

West Extn., 40th Street, Chennai - 101, Tel : 044- 2654 4488

E - mail : vsachennai65@gmail.com

Subhash
17/6/21

PRINCIPAL

PON VIDYASHRAM

Arcot Road, Behind Saravana Bhavan,
Porur, Chennai - 600 116.

Dr. V. Sundararajulu, PE, C. Eng.,
Ph.D., M.E. (Struct), FIA StructE, FIE, FIIT Arb,
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Govt. Approved Class I-A Engineer
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No. 146 / 410, TVS Avenue,
40th Street, Anna Nagar West Extn.,
Chennai - 101. Tel : 044 -26544488,
E-Mail: vsachennai65@gmail.com

Date : 07.05.2020

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 : 07.05.2020
4. Year of Construction : 2005
5. Approximate cost of
construction as per
current rate
a) Present Construction Cost : Rs.1500/sft

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b) Present Depreciation of the : Rs.15.59 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

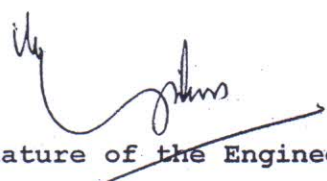
c. Superstructure : RCC Framed Structure with Brick
Masonry Walls in Cement Mortar 1:6

d. Floor and Roof : RCC Roof in all floors.


9. Period for which license is required : 07.05.2020 to 06.05.2023

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

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E.(Civil), M.E.(Struct), FIA Struct E, FIE, C.Eng.
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Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector/No.V2/58429/95/08.07.199
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101. Ph : 044-2654 4488


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Date : 07.05.2020

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 Valasaravakkam Chennai - 12.	15 Years	G+3	15,59,00,000/-	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 accomadated	Remarks
6	7	8	9
School Building	3 Years 07.05.2020- 06.05.2023	Teaching Staff -210Nos Non Teaching Staff-95 Nos Students-3500 Nos	The building is structurally Sound

Signature of the Engineer

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Chennai - 600 101. Ph : 044-26544488

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


Signature of the owner


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07.05.2020

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.

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

1. **FOUNDATION :**

- I. Depth below Ground level : 2.44 m and 3.00 m from existing Ground Level
- II. 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.

2. **SUB STRUCTURE :**


- I. Maximum stress in the most Critical structure of Masonry and concrete. : Brick - 3kg/sq.cm
RCC - 1000 kg/sq.cm
- II. Nature of masonry and Concrete and its date Permissible stress with Permissible limits. : (a) Brick masonry in CM 1:6, 23cm th. (Permissible stress limits of 3.50 kg/ Sq.cm) for brick works (as per IS 1905) Table-5 & 200kg/sqcm for RCC (as per IS 456, Table 21&22)

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Porur, Chennai - 600 116.

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 07.05.2020 to 06.05.2023 (Three Years).


Signature of the Engineer

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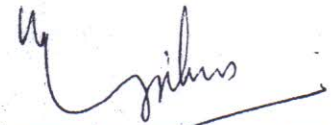
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Arcot Road, Behind Saravana Bhavan,
Porur, Chennai - 600 116.

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 : 07.05.2020

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Dr. V. Sundararajulu, Ph.D., M.E. (Struct), FIA Struct E, FIE, FIIA, FIV, FIS, FCI, FIGS, FACCE, FICA, FASCE (USA)
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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, Sapthagiri Nagar, Opposite to ARS Garden, Arcot Road, Valasaravakkam, Chennai - 600 087.	07.05.2020	School Building	Nil	Nil	Nil

Place : Chennai - 600 101
Date : 07.05.2020

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Porur, Chennai - 600 116.

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Signature of Engineer

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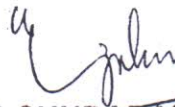
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Dt.07.05.2020

CALCULATION SHEET

Total Area of the Building : 1,22,269, sft
Present Construction Cost for Hall Type Buildings : Rs.1500 / sft
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
For 15 Years Depreciation is : 15%
Present Depreciation Value of the Building
$$\text{Rs.1500} \times 1,22,269 \times (100 - 15)/100$$
$$= 1500 \times 1,22,269 \times (85/100)$$
$$= \text{Rs.15,58,92,975/-}$$

Say **Rs.15.59 Crores**



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Toilet Block 105 sqm
(G+2 Floors)

Area 2 : 1603 sqm (G+3
Floors)

Area 3 : 550 sqm
(G+1 Floor)

Area 5 : 200 sqm
(G Floor)

Area 4 : 264 sqm
(G+3 Floors)

Area 1 : 727 sqm
(G+2 Floors)

North

Area Statement :

Ground Floor : 37,125 sft

First Floor : 34,973 sft

Second Floor : 27,921 sft

Third Floor : 20,097 sft

Head Room : 2,153 sft

Total Area : 1,22,269sft

Road

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Area Statement	Client : PON Vidyashram	Construction Consultant : V.Sundararajulu & Associates Civil & Structural Engineering Consultant
Valasaravakkam, Chennai - 600 087	Scale : NTS Date : 07.05.2020 Dsgn. by : G.D	File no : Sta - 03 / 2020 Sheet no : 1 / 1 Drn. by : G.D Ckd by : Dr. V.S.

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