

STABILITY CERTIFICATE

NAME OF THE SCHOOL : **APEX PON VIDYASHRAM CBSE SCHOOL**

ADDRESS : No.42, Thirugnana Sambandhar Street,
Srinivasa Nagar, Madipakkam Main Road,
Pallikaranai Village, Chennai – 600 091.

ASSESED AS ON : 28.04.2022

PREPARED BY :

V. SUNDARARAJULU
Class I – A Engineer,
Approved by Collector of Chennai.
146,(old no.410, TVS Avenue, Anna Nagar West
Extn., Chennai – 101, Mob.:9840622035
E – mail : vsachennai65@gmail.com

Dr. V. Sundararajulu, Ph.D.,
B.E. (Civil) M.E. (Struct) C.Eng., P.Eng., FIE,
FIV, FIS, FICA, FICI, FIGS, FACCE, MASCE (USA)
Govt. Approved Class I- A Engineer
Approved by Collector of Chennai

No. 146 / 410, TVS Avenue,
40th Street, Anna Nagar West Extn.,
Chennai - 600 101. Mob.: 9840622035,
E-Mail: vsachennai65@Gmail.com

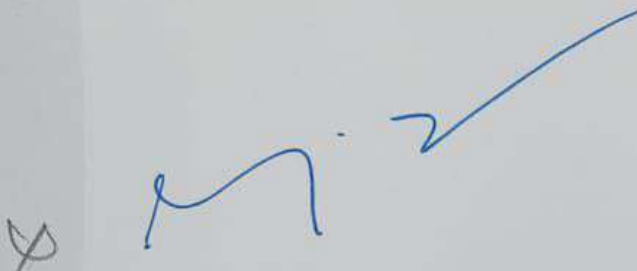
Dt: 28.04.2022


FORM - A

1. Door Number of Building : **APEX PON VIDYASHRAM (CBSE) SCHOOL**
2. Location (St.No.Ward No. of the place i.e. of the place i.e. (Corporation/Municipality /Panchayat/Township/ Contonment). : Survey No.663/3A1A & 663/3A2 Thirugnana Sambanthar street, Srinivasa Nagar, Madipakkam Main Road, Pallikaranai Village, Chennai- 600 091, Sholinganallur (Taluk) Kancheepuram (District)
3. Year of Construction : **2010 and in Subsequent Years**
4. Approximate cost of construction as per current value : **Rs. 6,69,79,000/-**
- a) Plinth area : GF : 10492.60 Sft
FF : 10492.60 Sft
SF : 10492.60 Sft
TF : 10492.60 Sft
HR : 314.00 Sft
- Total Built-up Area: 42284.40 Sft**
- b) Carpet area : **33828 sft**
5. Purpose for which the Building is being used or proposed to be used : **School Building**
6. Purpose for which the building is further to be used : **Educational purpose for running School**


Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E. (Civil) M.E. (Struct) FIA Struct E, FIE, C. Eng.
FIV, FIS, FICA, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector/No.V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101.

7. Details of construction of the building particular Foundation soil, specification of the various parts under : Blackish clay up to 6.50m depth and 6.5m to 10.0m Greenish silty sand poorly graded sand - silt mixtures
- a. Foundation : Pile Foundation.
- b. Basement : Brick masonry in Cement mortar.
- c. Superstructure : RCC framed structure with brick masonry walls in cement mortar.
- d. Floor and Roof : Cement & tile Flooring with R.C.C Roof.
8. Period for which license is required : From **25.06.2022 to 24.06.2025** (3 Years)
9. Number of Persons to be accommodated : Teaching Staff : 60 Nos
Non Teaching Staff : 35 Nos
Students : 1500 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.
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector/No.V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101. Ph : 044-2654 4488

Dr. V. Sundararajulu, FIE, C.Eng.,
 Ph.D., M.E. (Struct), FIA Struct E, FIE, FIIT Arb,
 FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Govt. Approved Class I-A Engineer
Approved by Collector of Chennai

No. 146 / 410, TVS Avenue,
 40th Street, Anna Nagar West Extn.,
 Chennai - 101. Mob. 98406 22035
 E-Mail: vsachennai65@gmail.com

Date : 28.04.2022

FORM - B

STATEMENT TO ACCOMPANY THE CERTIFICATE OF STRUCTURAL SOUNDNESS

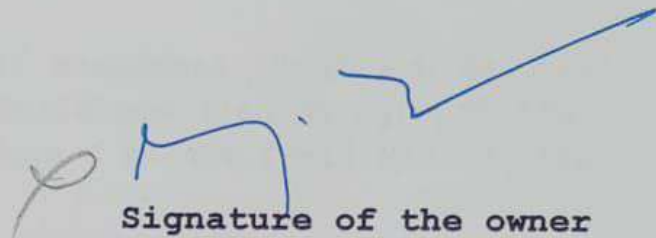
Location of the building (1)	Age of the building (2)	No of floors (3)	Value of the building (Rs) (4)	Short description of the structure (5)
Apex PON VIDYASHRAM SCHOOL (CBSE), THIRUGNANA SAMBANDHAR STREET, SRINIVASA NAGAR, MADIPAKKAM MAIN ROAD, PALLIKARANAI VILLAGE, CHENNAI - 600 091	12 years	G + 3	6,69,79,000	The RCC Frame structure building i having (G+3) Floors The construction ha been carried out i different period starting from 2010 This building i facing East.
Purpose of the building (6)	The period for which the building will be structurally sound (7)	No of students to be Accommodated (8)	Remarks (9)	
School Building	3 years 25.06.2022 to 24.06.2025	Teaching Staff: 60 Nos Non Teaching Staff : 25 Nos Students : 1350 Nos	The Building i Structurally sound	



Signature of the Engineer

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
 B.E. (Civil) M.E. (Struct), FIA Struct E, FIE, C.Eng.
 FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
 Approved Class - I - A, Engineer
 Chennai Gazette No. 5, Dt. 03.09.1997
 Chennai Collector / No. V2/58429/96/08.07.1997
 No. 146, (Old No. 410), 40th Street,
 TVS Avenue, Anna Nagar West Extn.,
 Chennai - 600 101. Ph : 044-2654 4488

Certified that 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.

A handwritten signature in blue ink, consisting of a stylized 'M' followed by a checkmark-like flourish.

Signature of the owner

Dr. V. Sundararajulu, FIE, C.Eng.,
Ph.D., M.E. (Struct), FIA Struct E, FIE, FIIT Arb,
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Govt. Approved Class I-A Engineer
Approved by Collector of Chennai

No. 146 / 410, TVS Avenue,
40th Street, Anna Nagar West Extn.,
Chennai - 101. Mob. 98406 22035
E-Mail: vsachennai65@gmail.com

Date : 28.04.2022

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 : 10 Meters (From Exg. GL)

II. Nature of soil set out in the foundation level : Blackish clay up to 6.50m depth and 6.5m to 10.0m Greenish silty sand poorly graded sand.

III. Pressure at Foundation : The Piles are Friction cum Bearing Pile

IV. Probable safe bearing Capacity of the Strata met with foundation. : Each Pile Capacity 335 KN


Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E. (Civil) M.E. (Struct), FIA Struct E, FIE, C.Eng.
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector / No. V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 101

2.

SUPERSTRUCTURE :

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

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

II) Maximum Compressive stress in the most
Critical Section of concrete for M 25 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)



Signature of the Engineer

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E.(Civil)M.E.(Struct), FIA Struct E, FIE, C.Eng.
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
No. 146, (Old No: 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101 Ph : 044-2654 4489

I certify that the structural soundness of the building has been
verified by me with reference to ISI loading standards (latest
version) and other relevant Indian standards code of practice. I
declare that the building will be structurally sound to be used as a
public Building for the purpose noted in the statement. License may
be granted for the period from 25.06.2022 to 24.06.2025

(Three years)



Signature of the Engineer

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E.(Civil)M.E.(Struct), FIA Struct E, FIE, C.Eng.
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector / No. V2/58429/93/03.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101. Ph : 044-2654 4489

DECLARATION

I, Dr. V. SUNDARARAJULU, Govt. Class I - A Engineer, Approved by Collector of Chennai, residing at 410, TVS Avenue, 40th Street, First floor, 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.



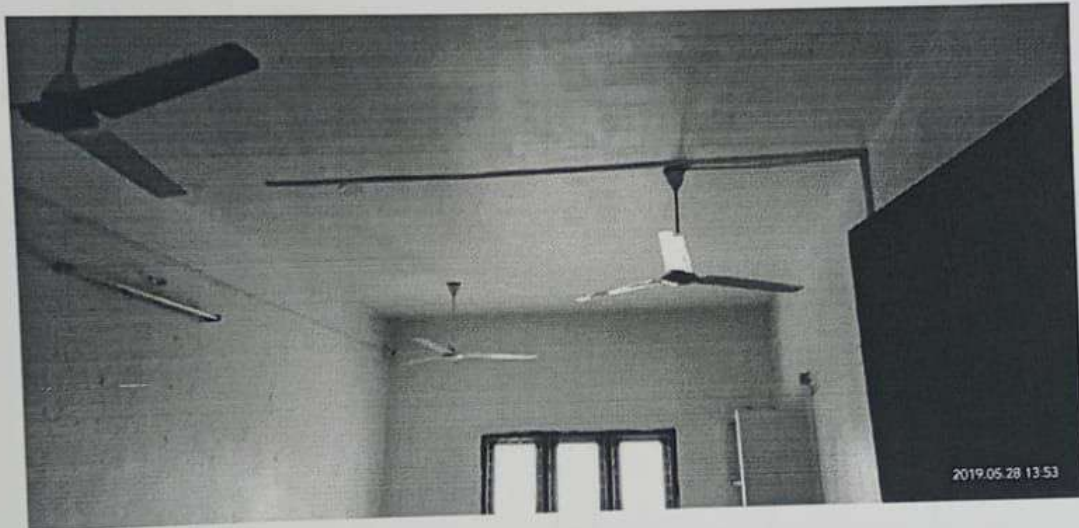
Signature of the Engineer

Station : Chennai-101
Date : 28.04.2022

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E.(Civil)M.E.(Struct), FIA Struct E, FIE, C.Eng.
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector/No.V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.
Chennai - 600 101 Ph : 044-2554 8858
4458



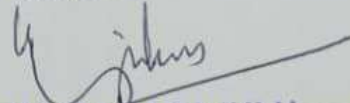
BUILDING VIEW



CLASS ROOM VIEW

Building Name : APEX PON VIDYASHRAM (CBSE) SCHOOL

Property Address : No. 42, THIRUGNANA SAMBANDHAR STREET,
SRINIVASA NAGAR, MADIPAKKAM MAIN ROAD,
PALLIKARANAI VILLAGE, CHENNAI - 600 091.


Dr. V. SUNDARARAJULU, Ph.D., P.Eng.
B.E.(Civil)M.E.(Struct), FIA Struct E, FIE, C.Eng.
FIV, FIS, FIC, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector/No.V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn
Chennai - 600 074, Tamil Nadu

Dr. V. Sundararajulu, P.E., C.Eng.,
Ph.D., M.E. (Struct), FIA Struct E, FIE, FIITArb,
FIV, FIS, FICl, FIGS, FACCE, FICA, FASCE (USA)
Govt. Approved Class I-A Engineer

Approved by **Collector of Chennai**

No. 146 / 410, TVS Avenue,
40th Street, Anna Nagar West Extn.,
Chennai - 101. Tel : 98406 22035
E-Mail: vsachennai65@gmail.com

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	APEX PON VIDYASHRAM (CBSE) SCHOOL, No.42, THIRUGNANA SAMBANDHAR STREET, SRINIVASA NAGAR, MADIPAKKAM MAIN ROAD, PALLIKARANAI VILLAGE, CHENNAI - 600 091.	28.04.2022	School Building	Nil	Nil	Nil
	1	2	3	4	5	6

Place : Chennai - 600 101

Date : 28.04.2022

Signature of Engineer

Dr. V. SUNDARARAJULU, Ph.D., P.Eng.,
B.E.(Civil), M.E.(Struct), FIA Struct E, FIE, C.Eng.,
FIV, FIS, FICl, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector / No. V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 600 101. Ph : 044-2353 4644

Dr. V. Sundararajulu, P.E., C. Eng.,
Ph.D., M.E. (Struct), FIA Struct E, FIE, FIIT Arb,
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Govt. Approved Class I-A Engineer
Approved by Collector of Chennai

No. 146 / 410, TVS Avenue,
40th Street, Anna Nagar West Extn.,
Chennai - 101. Mob.: 98406 22035
E-Mail: vsachennai65@gmail.com

Dt. 28.04.2022

CALCULATION SHEET

- 1 Total Area of the Building : 42,284.40 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 60 Years life for RCC Buildings)
10% debris cost will be there even after 60 years
So, 60 Year / 60% = 1% per Year
- 4 For 12 Years Depreciation is : 12%
- 5 Present Depreciation Value of the Building :
Rs.1800 x 42,284.40 x (100 - 12)/100
= 1800*42,284.40*(88/100)
= **Rs.6,69,79,000**



Dr. V. SUNDARARAJULU, Ph.D., P. Eng.,
B.E. (Civil) M.E. (Struct), FIA Struct E, FIE, C. Eng.,
FIV, FIS, FICI, FIGS, FACCE, FICA, FASCE (USA)
Approved Class - I - A, Engineer
Chennai Gazette No. 5, Dt. 03.09.1997
Chennai Collector / No. V2/58429/96/08.07.1997
No. 146, (Old No. 410), 40th Street,
TVS Avenue, Anna Nagar West Extn.,
Chennai - 500 101. Ph: 044-25511111