

STRUCTURAL STABILITY CERTIFICATE

NAME OF THE SCHOOL : **SBOA JUNIOR COLLEGE**

ADDRESS : **PLOT NO. R-18, SCHOOL ROAD, ANNA NAGAR
WEST EXTENSION, CHENNAI – 600 101.**

ASSESED AS ON : **04.02.2023**

PREPARED BY :

**Dr.V. SUNDARARAJULU,PE,CEng,
BE(Civil),ME(Struct),PhD(Constn.)**
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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Dt : 14.02.2023

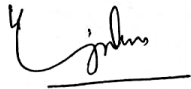
FORM -A

1. Door Number of Building : SBOA SCHOOL & JUNIOR COLLEGE
Plot No. R-18, School Road,
Anna Nagar West Extension,
Chennai - 600 101
2. Location (St.No.Ward No.
of the place i.e.
(Corporation/Municipality
/Panchayat/Township/
Contonment). : Division No. 33, TNHB
Neighborhood, Phase 2&3,
S.Nos. 145(pt), 146(pt),
147(pt), 148(pt), 149(pt),
150(pt), 153(pt), 180(pt),
182(pt), 183(pt) Padi
Village, Ambattur Taluk,
Thiruvallore District
3. Date of Inspection : 04.02.2023
4. Year of Construction : North Phase I & II - 1980,
North Phase III - 1999,
Circular Building - 1991,
South & west wing - 2003,
East wing - 2004,
North New class rooms- 2006
5. Approximate cost of the Bldg : **Rs. 36,07,11,420/-**
Total construction as per
current rate (Depreciated) (Details of individual
building is furnished in
Annexure - I)


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TVS Avenue, Anna Nagar West Extn.

6. Purpose for which the Building is being used or proposed to be used : School Building
7. Purpose for which the building is further to be used : School Building
8. Details of construction of the building particular of the foundation soil, specification of the various parts under : RCC Framed Structure on the Clay mixed with Sandy Soil. Details of the buildings are enclosed separately in Annexure - I along with this
- a. Foundation : RCC Isolated Footings
- b. Basement : Columns with plinth Beam and brick work
- c. Superstructure : Brick work in CM 1:6
- d. Floor and Roof : RCC Roof with Ceramic tile Flooring
9. Period for which license is required : 3 Years (1.04.2023 to 31.03.2026)
10. Number of persons to be Accommodated : 10660 Students (From LKG to +2 CBSC)


 Signature of the owner
 Secretary, Building
 SBIOA Educational Trust


 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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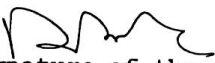
FORM - B

Location of the building	Age of the Building	No. of floors	Value of the building	Short description of the structure
Plot No.R-18, School Road, Anna Nagar West Extn., Chennai -101.	17 to 43 Years (Details of different buildings are Furnished separately in Annexure - I)	G+3	Rs.36,07,11,420/-	RCC Framed Structure with isolated footings brick masonry walls
Purpose of the building	The period for which the building will be Structurally sound.	No. of students To be Accommo-Dated	Remarks	
School Building	3 Years (1.04.2023 to 31.03.2026)	10660 (LKG to +2 CBSC)	The stability of the building is in good condition	


Signature of the Engineer

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Certified that there is no thatched roof buildings are used for conducting any classes in this school premises. If any thatched buildings 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
Secretary & Correspondent
SBIOA Educational Trust

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Dt: 14.02.2023

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.


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 : 2.0 m (6' 6")
II. Nature of soil set out in the foundation level : Clay mixed with ordinary earth
III. Pressure at Foundation : 10t per sqm
IV. Probable safe bearing Capacity of the Strata met with foundation. : 13t per sqm

2. SUB STRUCTURE :

- I) Maximum Compressive stress in the most Critical Section of masonry : 5 kg/sq.cm
Permissible maximum compressive stress : 7 kg/sq.cm
in Masonry (BW in CM 1:6, 20cm thick), for (the crushing strength of 80 kg / cm²) as per Table 4 of IS 1905


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Dt : 14.02.2023

FORM - D

DECLARATION

I, Dr. V. SUNDARARAJULU, Govt. Class I - A Engineer, Approved by Collector of Chennai, residing at No.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

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Station : Chennai-101
Date : 14.02.2023

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Dt. 14.02.2023

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	SBOA SCHOOL & JUNIOR COLLEGE Plot No. R-18, School Road, Anna Nagar West Extension, Chennai - 600 101	04.02.2023	School Building	Nil	Nil	Nil

(Signature)

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Place : Chennai - 600 101
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Dt.14.02.2023

ANNEXURE - I

No.	Location/Name of the Building	Year of Construction	Age of the Building	No. of Floors	Type of Structure	Plinth Area of the Building (Sq.m)	Depreciated value of the building
1	2	3	4	5	6	7	8
1	Main building (North East) Phase - I	1980	43	G+3	RCC Framed	2727	Rs.20,500 x 2727 x 0.46 = 2,58,55,369
2	Main building (North) Phase-II	1980	43	G+3	RCC Framed	2582	Rs.20,500 x 2582 x 0.46 = 2,44,80,588
3	Main building (North west) Phase -III	1980	43	G+3	RCC Framed	2081	Rs.20,500 x 2081 x 0.46 = 1,97,30,481
4	Circular Building (Central)	1991	32	G+2	RCC Framed	1853	Rs.20,500 x 1853 x 0.60 = 2,27,91,900
5	Lunch Room Block	1999	24	G+3	RCC Framed	1303	Rs.20,500 x 1303 x 0.70 = 186,98,050
6	South Wing Block	2003	20	G+3	RCC Framed	4291	Rs.20,500 x 4291 x 0.75 = 6,59,74,125
7	West wing Block	2003	20	G+3	RCC Framed	4291	Rs.20,500 x 4291 x 0.75 = 6,59,74,125
8	East wing Block	2004	19	G+3	RCC Framed	5408	Rs.20,500 x 5408 x 0.75 = 8,26,17,250

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1	2	3	5	6	7	8
9	Pump room, workshed, Hall, Toilet Block, portico, Store, ATM	2000	GF Only	Load Bearing	672	Rs.15,000 x 672 x 0.71 = 71,82,000
10	North new class rooms	2006	G+3	RCC Framed	1579	Rs.20,500 x 1579 x 0.79 = 2,54,90,981
				Total =	26787 sqm	Rs.36,07,11,420/-

Note :

1. Construction cost is taken Rs. 20,500/sqm for RCC framed and Rs.15,000/sqm for Load bearing structures.
2. Depreciation in 1.25% per year. Total life is taken as 80 years with salvage value of 10%.


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