

To,  
The Principal,  
Sri Chaitanya Techno school  
Mandya.

Sub : Issue of 'Fire safety recommendation' to existing "Sri Chaitanya Techno school" Building at B.M. road, Srinivasapura, Mandya.

Ref: Your request dated: 02-03-2022.

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With reference to the subject above cited, the premises of Sri Chaitanya Techno school, Building at B.M. road, Srinivasapura, Mandya on 04-03-2022 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

**ANNEXURE-I**

**Group B Educational Building**

***NBC-2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings sub division B1 & B2.***

( These condition are indicative and not exclusive all relevant provisions related to fire and life safety of NBC 2016 are mandatory.)

**Part-A. Details of the building / premises :-**

01	Name and Address of the Applicant.	:	The Principal, Sri Chaitanya Techno school Mandya.
02	Name and Address of the premises.	:	Sri Chaitanya Techno school, B.M. road, Srinivasapura, Mandya.
03	Name and address of the Building owner	:	Smt. B.S. Lakshmi No. 195, 7 <sup>th</sup> main, 4 <sup>th</sup> Block, Jayanagar Bangalore.
04	Number of buildings	:	01 School building.
05	Number of floors	:	Basement + Ground floor + 03 Upper floor.
06	<b><u>Floor-wise details of occupancy:-</u></b>		
		:	<b><u>Basement:-</u></b> Vehicle parking Area. <b><u>Ground floor:-</u></b> 15 Class rooms, Server room, Principal room, Board room, Arts room, 02 Staff rooms, Conference room, HM room, Manager room, Office room, Staff meeting room, Auditorium & Wash rooms.



			<p><u>First floor:-</u> 16 Class rooms, Computer room, Counseling room, Video room, 02 Physics labs, Library &amp; wash rooms.</p> <p><u>Second Floor:-</u> 16 class rooms, 02 Chemistry labs, Rest room, Video room, Biology Laboratory, Computer room &amp; wash rooms.</p> <p><u>Third Floor:-</u> 16 class rooms, Room, Library, Video room, Multi purpose Hall &amp; wash rooms.</p>
07	Height of the building	:	14.90 mtrs.
08	Site area	:	23,370.52 Sq.mtrs
09.	Built-up area of each floor:-		
		:	<p><u>Basement:-</u> 870.44 Sq.mtrs.</p> <p><u>Ground floor:-</u> 2746.24 Sq.mtrs.</p> <p><u>First floor:-</u> 2819.90 Sq.mtrs.</p> <p><u>Second Floor:-</u> 2592.24 Sq.mtrs.</p> <p><u>Third Floor:-</u> 2538.12 Sq.mtrs.</p>
10.	Total built-up area	:	11566.94 Sq.mtrs.
11.	Surrounding properties:-		
	South (front)	:	15.00 mtrs wide B.M. road.
	North (rear)	:	Private Property
	East (side)	:	Private Property
	West (side)	:	Private Property
12.	Set-back area available around the building :-		
	South (front)	:	Min.06.00 mtrs.
	North (rear)	:	Min. 06.00 mtrs.
	East (side)	:	Min. 06.00 mtrs.
	West (side)	:	Min. 05.00 mtrs.

**Part-B.** On inspection of this School premises, the following fire prevention, fire fighting and evacuation measures recommended are considered absolutely essential from fire safety point of view :-

Sl. No. (1)	Details (02)	Existing (03)	Recommendations (04)
1.	Accessibility	The premises is accessible from 15.00 mtrs. wide road on Southern side. This road is hardened to carry weight of 45,000kgs.	Adequate.





2.	Number of entrances	01 Entrances of 6.00 mtrs. width has been provided.		Complied
3.	Number of staircases available	Number of the staircases	02 nos.	Complied
		Width of staircases	1.50 mtrs.	
		Width of treads	30 cms.	
		Height of risers	15 cms.	
		No. of risers per flight	09 nos.	
		Height of handrails	1.00 mtrs.	
		Head room clearance	03.70 mtrs.	
4.	Portable Fire extinguishers	Provided 10 nos ABC Fire Extinguishers of 05 kgs capacity.		<p>A. One Water mist extinguisher of 9 liters capacity should be kept near each staircase landing.</p> <p>B. One Mechanical foam extinguisher of 9 liters capacity &amp; One ABC type extinguisher of 6Kgs capacity should be provided near Diesel Generator.</p> <p>C. One Co2 Type fire extinguisher of 4.5Kgs capacity should be provided near each electrical board &amp; electrical room.</p> <p>D. One ABC type extinguisher of 6kgs capacity should be located as to be available within 15.00mtrs radius.</p>
5.	First aid hose reel hose	Not provided.		Hose reel hose near the staircase (One hose reel hose system for every 1000 sq.mtrs) The hose reel hose of min 19 mm size and of 30.00 mtrs length shall be provided to reach the farthest point of each floor and shut off branch having a nozzle of 5mm size. The hose reel hose should be connected at each landing of building.

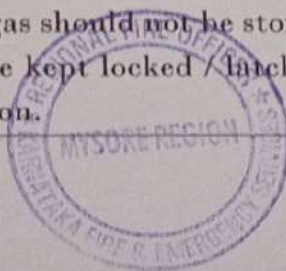


6.	Sprinkler System	Not provided.	Recommended to provide required nos of automatic sprinkler head in Basement area.
7.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup>	Not provided.	The system should be connected to an booster pump of 450 LPM or of 5 HP capacity.  Further the system should be connected to an alternative source of power supply.
8.	Diesel generator	Not Provided	Diesel generator of 15 KVA capacity should be provided to supply alternative power supply.
9.	Terrace tank over respective tower terrace	Not provided.	The system should be connected to an over head tank of 10000 ltrs capacity.  (The water tank should be kept exclusively for firefighting purpose) Note: If the exiting building is not capable of sustaining the weight of 10000 ltrs tank capacity provision shall be made to provide water tank on the side of the building with support from ground level by providing RCC column structure or MS column structure.  If there is no option to provide even the above mentioned overhead tank provision shall be made to provide underground water tank of capacity with submersible pump of 5-7 HP capacity.
10.	Escape routes	Not provided.	Directions in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evacuation in this building.





11.	Fire order (Fire Safety plans)	Not provided.	A notice board have been indicated the action should be taken by the employees in case of any emergency should be displayed along with the telephone number of Mandya Fire Station i.e. 08232-298101 & 101 and the telephone number of nearest Ambulance service and Police Station.
12.	No smoking board.	Not displayed.	COTPA Sec-4, direction NO Smoking area smoking here is an offence board should be written in English & Kannada both language shall be prominently displayed at inside the entry / exit of the each floor of this building.
13.	Fire Siren	Not Installed	A Fire Siren Shall be installed in the Premises to inform the inmates in case of a fire emergency and evacuate the area.
14.	Nominate one Fire Nodal Officer	Not imparted.	A Fire nodal officer Shall be nominated either from teaching or non teaching staff.
15.	Fire Fighting training	Not trained.	At-least 40% of Teaching and non Teaching staff should be got trained in basic fire fighting at R.A. Mundkur Fire and Emergency Services, Academy, Bannerugatta road, Bangalore or Regional Training Center.
16.	<b><u>Fire precautionary measures :-</u></b> A) Explosive and flammable materials should not be stores in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises. B) Accumulation of combustibile waste in and the premises should be avoided. C) The exit ways shall be always kept clear without any obstruction. D) Liquefied petroleum gas should not be stores in the building. E) The doors shall not be kept locked / latched during working hours and shall be free from obstruction.		



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|  | <p>F) During the class hours the class room doors shall not be locked from inside to outside.</p> <p>G) As per Honorable Supreme Court order all teachers and staffs shall be trained to handle safety equipment, initiate emergency evacuation and protect their students in the event of fire and other emergency and the school shall observe the Fire Safety Day on April 14<sup>th</sup> of every year by conducting Fire Safety drills with co-ordinate Fire Service department.</p> |
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Under the above circumstance, the Karnataka Fire & Emergency Services Department is issuing Fire Safety Recommendation of 'Sri Chaitanya Techno school' Building at B.M. road, Srinivasapura, Mandya subject to condition and compliance of the above recommendations in Column-4 of serial-B within 3 months and compliance to the undersigned.

"This Fire Safety Recommendation is valid for Only One Year from the date of issued and it is renewable".

Yours faithfully,

  
REGIONAL FIRE OFFICER  
KARNATAKA FIRE & EMERGENCY SERVICES  
MYSORE-RANGE, SARASWATHIPURAM  
MYSORE-570 009