



No.GBC(2)511/2023-24

Date: 12-06-2024

To,

The CEO and Managing Director,  
Sri Swamy Vivekananda Higher Primary School,  
No. 38, Housing board colony,  
Attur layout,  
Yelahanka new town,  
Bengaluru-560064.

Sir,

Sub Issue of 'Fire Advisory Certificate' to the Educational  
Building 'Sri Swamy Vivekananda Higher Primary School'  
situated at No. 38, Housing board colony, Attur layout,  
Yelahanka new town, Bengaluru-560064.

Ref: Your Request Letter dated:07-02-2024.

<<<<<>>>>

With reference to the subject cited above, the District Fire Officer,  
Yelahanka Fire Station, Bengaluru inspected the Educational Building  
'Sri Swamy Vivekananda Higher Primary School' situated at No. 38, Housing  
board colony, Attur layout, Yelahanka new town, Bengaluru-560064 on  
26-03-2024 with respect to fire prevention, firefighting and evacuation  
measures to be complied in the above premises and submitted the details as  
follows: -

A. Details of the building / premises: -

01.	Name and Address of the Applicant.	:	"M/S. Swamy Vivekananda Higher Primary School", #38, Housing board colony, Attur layout, Yelahanka New Town, Bengaluru-560064.
02.	Name and Address of the premises.	:	"M/S. Swamy Vivekananda Higher Primary School", #38, Housing board colony, Attur layout, Yelahanka New Town, Bengaluru-560064.



03.	Name & address of the building owner	:	CEO & Managing Director, "M/S. Swamy Vivekananda Higher Primary School", #38, Housing board colony, Attur layout, Yelahanka New Town, Bengaluru-560064.
04.	Number of buildings	:	One building.
05.	Number of floors	:	Ground & 4 upper floors.
06.	<u>Floor-wise details of occupancy: -</u>		
	Ground floor	:	03 class room, 01 Medical room, 02 store room, 01 AV room, 03 Office.
	1 <sup>st</sup> floor	:	08 class room, 01 Comp lab, 01 Maths lab, 01 staff room.
	2 <sup>nd</sup> floor	:	08 class room, 01 Physics lab, 01 staff room, 01 Art & Craft room.
	3 <sup>rd</sup> floor	:	08 class room, 01 Chemistry lab, 01 staff room, 01 Activity room.
	4 <sup>th</sup> floor	:	08 class room, 01 library, 01 Bio lab.
07.	Height of the building	:	16.60 Mtrs.
08.	Site area	:	3781.00 Sq. Mtrs
09.	<u>Built-up area of each floor: -</u>		
	Ground floor	:	536.63 Sq.Mtrs.
	1 <sup>st</sup> floor	:	593.58 Sq.Mtrs.
	2 <sup>nd</sup> floor	:	593.58 Sq.Mtrs.
	3 <sup>rd</sup> floor	:	593.58 Sq.Mtrs.
	4 <sup>th</sup> floor	:	603.46 Sq. Mtrs.
10.	Total built-up area	:	2920.83 Sq. Mtrs.
11.	<u>Surrounding properties: -</u>		
	Front (East)	:	12.00mtrs wide Attur Main Road.
	Rear (West)	:	Residential Building.
	Side (North)	:	Residential Building.
	Side (South)	:	Govt School.



12/6/24



12.	<u>Open space all around the building: -</u>	
	Front (East) :	Min 10.00 mtrs
	Rear (West) :	00.80 mtrs
	Side (North) :	00.80 mtrs
	Side (South) :	00.80 mtrs
Allowed setbacks (open space) should be maintained free from further obstruction / construction for easy movement of emergency vehicles.		

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

Sl. (1)	Details (02)	Existing (03)		Recommendations (04)
01.	Accessibility to the Premises	The premises is accessible from 12.00 mtrs wide Attur Main Road.		Adequate
02.	Number of entrances	One entry & exit of 05.00 mtrs width has been provided		Complied
03.	Diesel generator	Not Provided		Diesel generator of 15 KVA Capacity should be provided to supply alternative power supply.
04.	Number of staircases	Nos. of staircases	: 02	Complied
		Width of staircases	: One of 01.40mtrs & another of 01.70 mtrs	
		Width of treads	: 30 Cms	
		Height of risers	: 15 Cms	
		Nos. of riser per flight	: 15 nos	
		Height of handrails	: 01.00 mtrs	
		Head room clearance	: 03.00 Mtrs	



05.	Portable extinguishers	12 No of ABC fire extinguishers each of 06 Kg capacity, 11 No of ABC fire extinguishers each of 10 Kg capacity and 01 Co <sub>2</sub> fire extinguishers of 16 Kg capacity have been provided.	<p>The following Portable extinguishers shall be provided.</p> <p>A) One water mist extinguisher of 9 ltrs capacity should be kept near each staircase landing.</p> <p>B) One mechanical foam extinguisher of 9 ltrs capacity &amp; One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.</p> <p>C) One CO<sub>2</sub> type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board &amp; electrical room.</p> <p>D) One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. radius.</p>
06.	Hose reel hose system	Two Hose Reel Hose system has been provided near the staircase. Hose reel hose of 19 mm size and of adequate length to reach the farthest point of the floor has been provided with shut off branch having a nozzle of 5 mm size.	Complied



07.	Down comer	Not Provided	One down comer system shall be provided. This system is of 100 mm internal diameter and made up of G.I class 'C' pipe from system single headed hydrant outlet shall be provided.
08.	Manually operated electronic Fire alarm system.	Not Provided	Recommended to provide Manually operated electrical fire alarm system should be installed with call boxes at each staircase landing of the building. The call boxes should be of 'break glass' type, where the call is transmitted automatically to the control room when the glass of the system is broken.
09.	Terrace tank over respective tower terrace.	Provided an overhead tank of 25,000 liters capacity exclusively for firefighting purpose.	Complied
10.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	Provided One Booster pump capable of delivering 900 LPM.	Complied
11.	Automatic sprinkler system	Not Provided	Not Required



12/6/23



12.	Escape routes	Not marked	Directions in which the Teachers/Staff/Students have to move in the event of any emergency should be displayed in the corridor on each floor during evacuation.
13.	Fire order (Fire safety plans)	Not displayed	A notice board indicating the action to be taken by the school staffs/employees in Case of an emergency should be displayed along with Telephone Numbers of Yelahanka Fire Station i.e. 080-29733407 & 101, 080-22971500/550/600 and telephone numbers of nearest Ambulance Service & Police station.
14.	No smoking board	Not displayed.	COPTA Sec-4, direction "No Smoking area smoking here is an offence" board should be written in English & Kannada both languages shall be prominently displayed at inside the entry/exit of each floor.
15.	Fire Siren	Not installed	A fire Siren shall be installed in the premises to inform the inmates in case of fire emergency & evacuate the area.
16.	Nominate one Fire Nodal Officer	Not nominated	A Fire Nodal Officer shall be nominated either from teaching or non-teaching staff.



12/6/24

17.	Firefighting training	Not imparted	At-least 40% of the staff should be got trained in basic firefighting at R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore
18.	<u>Fire precautionary measures: -</u> <ol style="list-style-type: none"> <li>A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory &amp; electrical sum panel premises.</li> <li>B. Accumulation of combustible waste in and around the premises should be avoided.</li> <li>C. The exit ways shall be always kept clear without any obstruction.</li> <li>D. Liquefied petroleum gas should not be stored in the building.</li> <li>E. The doors shall not be kept locked / latched during working hours and shall be free from obstruction.</li> <li>F. During the class hours the class room doors shall not be locked from inside to outside.</li> <li>G. As per Hon'ble 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 with fire service department.</li> </ol>		

As such the Karnataka State Fire and Emergency Services department is issuing 'Fire Advisory Certificate' to the Educational Building 'Sri Swamy Vivekananda Higher Primary School' situated at No. 38, Housing board colony, Attur layout, Yelahanka new town, Bengaluru-560064 from Fire prevention, Firefighting and Evacuation point of view subject to the compliance of below mentioned conditions within 03 months from the date of issue of Fire Advisory Certificate.

1. Recommended to provide fire extinguishers as given below: -
  - a. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing.
  - b. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.





- c. One CO<sub>2</sub> type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board & electrical room.
  - d. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. radius.
2. Public address system with two-way communication facility shall be provided at each floor near staircase landing with its console at the control room, located on the ground floor.
  3. One down comer system shall be provided. This system is of 100 mm internal diameter and made up of G.I class 'C' pipe from system single headed hydrant outlet shall be provided.
  4. Manually operated electrical Fire Alarm System with call point, near staircase (external staircase) landing at each floor and its control panel at ground floor shall be provided.
  5. Direction in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evacuation.
  6. A notice board indicating the action to be taken by the employees in case of any emergency should be displayed along with the telephone number of Bhatkal Fire Station i.e. 101, 112, 08385 - 222140 and the telephone number of nearest ambulance service & Police station.
  7. COTPA Sec-4 direction No smoking area smoking here is an offence board should be written in English & Kannada both languages shall be prominently displayed at inside the entry /exit of each floor.
  8. A Fire Nodal Officer shall be nominated either from teaching or non-teaching staff.
  9. A Fire siren shall be installed in the premises to inform the students in case of a fire emergency and evacuate the area.
  10. At least 40% of teaching & non-teaching staff should be got trained in fire prevention and firefighting evacuation measures at R.A.Mundkur Fire & Emergency Services Academy, Bannerughatta Road, Bangalore-560 029 or Regional Training centre.



12/6/24



Note: -

1. This is only the "Fire Advisory certificate" issued by the Fire Department from fire safety view of the low-rise already constructed Building. This shall not be considered as No Objection Certificate for the Building.
2. After completion of all the firefighting installations as advised in Fire Advisory Certificate, 'Fire Advisory Compliance Certificate' shall be obtained from the Fire and Emergency department.

Draft approved by the  
D.G.P & D.G.



Yours faithfully,

(T.N.Shivashankara)

Director,  
For Director General of Police and  
Director General,  
Karnataka Fire & Emergency Services,

