

No.486/FSR/CFO/MD/2021

To

Principal,
Loyola Kendriya Vidyalaya,
Sirsi Road, Karaginakoppa,
Salagaon Village,
Mundagod Taluk,
Uttara Kannada District.

Sir,

Sub: Issue of 'Fire safety recommendation' to Loyola Kendriya Vidyalaya, School, building, constructed at Sy.No. 163/4 of Salagaon Village, Mundagod Taluk, Uttara Kannada District.

Ref: Report No.73/FSR/DFO/UK/2021 dated 23-11-2021 of the District Fire Officer, Uttara Kannada, Karwar.

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With reference to the subject above cited, the premises of Loyola Kendriya Vidyalaya, School, building, constructed at Sy.No. 163/4 of Salagaon Village, Mundagod Taluk, Uttara Kannada District was inspected by the District Fire Officer, Uttara Kannada, Karwar on 23-10-2021 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under;

A. Details of the building / premises :-

01. Name and Address of the Applicant. : Principal,
Loyola Kendriya Vidyalaya,
Sirsi Road, Karaginakoppa,
Salagaon Village,
Mundagod Taluk,
Uttara Kannada District.
02. Name and Address of the premises. : Loyola Kendriya Vidyalaya,
Sy.No.163/4
Salagaon Village,
Sirsi Road, Karaginakoppa,
Mundagod Taluk,
Uttara Kannada District.
03. Name and address of the Building owner : Secretary/President,
Loyola Kendriya Vidyalaya,
N.K.T.E Society,
Post Box No.6
Mundagod Taluk
Uttara Kannada District.
04. Number of buildings : One
05. Number of floors : Ground floor & 2 upper floors



06. Floor-wise details of occupancy:-

Ground floor : Principal chamber, admin office, guest room, prayer hall, 6 class rooms, library, staff room, dining room & kitchen

Note:- Kitchen should be shifted immediately from the school building. Separate shed shall be construct away from the building to use as kitchen.

1st floor : AV room, staff room, 10 class rooms, physics & maths lab.

2nd floor : Auditorium, lab & 3 class rooms

07 Height of the building : 10.00 mtrs.

08 Site area : 03.00 Acres 30 guntas

09. Built-up area of each floor:-

Ground floor : 2,760.00 Sq.mtrs.

1st floor : 2,460.00 Sq.mtrs.

2nd floor : 2,460.00 Sq.mtrs.

10. Total built-up area : 8,280.00 Sq.mtrs.

11. Surrounding properties:-

East (Front) : 12.00 mtrs wide Hubli to sirsi road.

West (rear) : Agriculture land.

North (Side) : Residential houses.

South (Side) : Forest land.

12. open area available around the building :-

East (Front) : 10.00 mtrs.

West (rear) : 06.00 mtrs.

North (Side) : 05.00 mtrs.

South (Side) : 10.00 mtrs.

Allowed setbacks (open space) should be maintained free from further obstruction/ construction

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. (01)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the premises	The premises is abutting 12.00 mtrs wide Hubli -Sirsi road located on the eastern side and the road is hardened to carry the weight of 45,000 kgs.	No remarks.



(01)	(02)	(03)	(04)
02.	No. of entrances	One	Adequate.
03.	Diesel generators.	Provided one generator of 25KVA capacity.	One Adequate capacity of generator should be provided and it should be connected to alternative power supply. Complied.
04.	No. of staircases available	<p>Nos. of staircases : Two</p> <p>Width of staircases : Each of 02.00 mtr.</p> <p>Width of treads : 30 cms.</p> <p>Height of risers : 15 cms.</p> <p>Nos. of riser per flight : 16 Nos.</p> <p>Height of handrails : 0.90 mtr.</p>	
05.	Fire extinguisher	<p>Provided 05 Nos. DCP type extinguisher each of 4 Kgs capacity, 3 Nos. Co2 type extinguisher of 4 kgs capacity & 3 Nos ABC type extinguisher of 6 kgs capacity.</p>	<p>A. One water mist extinguisher of 9 ltrs capacity should kept near staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.</p> <p>C. One CO2 type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board & 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.	Manually operated electronic Fire alarm system.	Not provided	Manually operated electrical fire alarm system should be installed with call boxes located near 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. This system should also be connected to an alternative source of power supply



(01)	(02)	(03)	(04)
			(diesel generator). The call boxes should be so installed that their location can be easily noticed from either direction and should be at a height of one meter from the floor level.
07.	Hose reel hose system	Not provided	Three Hose Reel Hose near the staircase should be provided. (One hose reel hose system for every 1000 Sq. mtrs). Each hose reel hose of min 19 mm size and of adequate length to reach the farthest point of each floor should be provided shut off branch having a nozzle of 5mm size. The hose reel hose should be connected at each landing.
08.	Terrace tank over respective tower terrace.	Provided Terrace tank of 4000 ltrs capacity.	Each Hose reel hose should be connected to an RCC over head tank of 10,000 ltrs capacity (The water tank should be kept exclusively fire fight purpose) (Total-3 tanks)
09.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	Each Hose reel hose system should be connected to an booster pump of 450 LPM Further the system should be connected to an alternative source of power supply. (Total-3 pumps)
10.	Escape routes	Not provided	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.
11	Fire order (Fire safety plans)	Not displayed	A notice board have been indicated the action should be taken by the employees in case of any emergency should be displayed with the telephone number of Mundagod Fire Station i.e. 101, 112, 08301-22201 and the telephone number of nearest ambulance service & Police station.



(01)	(02)	(03)	(04)
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.
13	Fire fighting training	Not imparted	At-least 40% of the staff should be got trained in basic fire fighting at the Karnataka Fire and Emergency Services, Chief Fire officer's Office, Pandeshwara, Mangaluru – 575 001 or at the R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore.

14 **Fire precautionary measures :-**

- A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.
- B. Accumulation of combustible waste in and around the premises should be avoided.
- C. The exit ways shall be always kept clear without any obstruction.
- D. Liquefied petroleum gas should not be stored in the building.
- E. The doors shall not be kept locked / latched during working hours and shall be free from obstruction.
- F. During the class hours the class room doors shall not be locked from inside to out side.

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 14th of every year by conducting Fire Safety drills with co-ordinate with fire service department.

Under the above circumstance the Karnataka Fire & Emergency Service Department is issuing '**Fire Safety Recommendation**' to Loyola Kendriya Vidyalaya, School, building, constructed at Sy.No. 163/4 of Salagaon Village, Mundagod Taluk, Uttara Kannada District subject to condition and compliance of the above recommendations in column - 4 of serial – B within 3 months and



compliance to the undersigned. The applicant has remitted Rs.20,000-00 (Rupees twenty thousand only) vide challan No. CR 1221007000030208 dated 03-12-2021 at SBI, Mundagod being the Advise fees.

This Fire Safety Recommendation is valid for only one year from the date of issue and it is renewable.

All requirements recommended above are as per National Building Code- 2016 Part-4 clause 3.1.3 of Fire and Life safety will have to be complied with mandatorily.



Copy to:

- 1) The Director, CBSE, Shikshakendra 2, Community centre, Preeth Vihar, Delhi-110092
- 2) The District Fire Officer, Uttara Kannada, Karwar.

Yours faithfully,

e/e

Chief Fire Officer

Karnataka State Fire & Emergency Services
Mangaluru - 575 001