



GOVERNMENT OF KARNATAKA

C.NO.149/ADV/CFO/HBL/2021

Date : 09-08-2021

To,  
Principal  
Kendriya Vidyalaya  
No-01, AFS Samba,  
Belagavi, Belagavi District

Sir,

Sub : Issue of 'Fire safety recommendation/Advice' to Kendriya Vidyalaya  
at No-01, AFS Samba, Belagavi, Belagavi District.

Ref : 1) Applicant request letter dated 24/06/2021  
2) C.No.29/RFO/HR/2021 Dated 09/08/2021  
\*\_\*\*\_\*\*\_\*\*\_\*\*\_\*

With reference to the subject above cited, the premises of Kendriya Vidyalaya building consisting with ground floor + 1 upper floor situated No-01, AFS Samba, Belagavi, Belagavi District was inspected by the Regional Fire Officer, Hubballi on 25/06/2021 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

ANNEXURE-1

**(Up to 14.99 mtrs. in height)**

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)**

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

01	Name and Address of the Applicant.	:	Principal Kendriya Vidyalaya No-01, AFS Samba, Belagavi, Belagavi District
02	Name and Address of the premises.	:	Kendriya Vidyalaya No-01, AFS Samba, Belagavi, Belagavi District
03	Name and address of the Building owner	:	Principal Kendriya Vidyalaya No-01, AFS Samba, Belagavi, Belagavi District



04	Number of buildings	:	01
05	Number of floors	:	Ground Floor + 1 Upper Floor
06	<b><u>Floor-wise details of occupancy:-</u></b>		
	Ground floor	:	Principal room, Visitors room, staff room, Office room, chemistry lab, SUPW workshop, activity room, headmaster room, 15 nos. of class room.
	First floor	:	Medical room, physics lab, Biology lab, Library, 02 nos. of computer lab, Art room, NCC/Scout room, PET room, general store, 13 nos. of class room.
07	Height of the building	:	08.00 Mtrs.
08	Site area	:	07.05 Acre
09	Built-up area of each floor:-		
	Ground floor	:	9770.40 Sq. Mtrs.
	First floor	:	9525.40 Sq. Mtrs.
10.	<b>Total built-up area</b>	<b>:</b>	<b>19295.80 Sq. Mtrs.</b>
11.	Surrounding properties:-		
	East	:	Air force Land
	West	:	Private Property Land
	North	:	AFS Quarters Building
	South	:	30.00 mtrs wide Main road
12.	<b><u>Set-back area available around the building :-</u></b>		
	East	:	80.00 mtrs
	West	:	20.00 mtrs
	North	:	20.00 mtrs
	South	:	04.00 mtrs
	<b>Allowed setbacks (open space) should be maintained free from further obstruction / construction</b>		

**Note :** Recommended to provide and maintain setbacks as per Local ZR.

**B. On inspection of this Educational 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)
01.	Accessibility to the premises	The premises is abutting by 30.00 mt wide hard surfaced road located on Southern side.	Adequate
02.	No. of entrances	03 nos. of entry & 03 nos. of exit.	Adequate





03.	Width of entry / exit	Entry 07.00, 3.50 & 3.50 mtrs.	Adequate	Minimum 06.00 mtrs. width with height clearance of minimum 05.00 mtrs. from ground level.	
04.	Diesel generators.	---	Recommended to provide one Diesel generator of 30 KVA capacity.		
05.	No. of staircases available	Nos. of staircases	:	04	Recommended to provide staircases maintaining travel distance with 22.50 mtrs. with minimum 02.00 mtrs. width, 30 mm treads width, 15 mm treads height, 1 mtr. Handrail, with minimum 02.20 head room clearance.
		Width of staircases	:	1.30 mt	
		Width of treads	:	30 cm	
		Height of risers	:	15 cm	
		Nos. of riser per flight	:	12	
	Height of handrails	:	01.0 mt		
	Head room clearance	:	2.30 mt		
06.	No. lifts and capacity.	Nos. of lifts Capacity of lifts	:	-- --	N/A
07.	Fire extinguisher	---			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 CO2 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.



08.	Public address system	---	Recommended to Provide Public address system with talk back facility at each floor of the Educational building with its 'control' at the ground floor level at security room.
09.	First aid Hose reel hose.	---	One Hose Reel Hose near the staircase ( <b>One hose reel hose system for every 1000 Sq. Mtrs.</b> ). The 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 of each building /block/wing/ tower.
10.	Automatic sprinkler system.	---	Not required as there is no basement.
11.	Terrace tank over respective tower terrace.	Provided 01 no. of Syntax tank of 20000 ltrs. Capacity.	Terrace tank required 5000 ltrs. Capacity for each hose reel system. (The water tank should be kept exclusively fire fight purpose)
12.	Pump at the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	---	Recommended to provide booster pump of 450 lpm capacity for each hose reel system. Further the system should be connected to an alternative source of power supply.
13.	Fire control room at ground floor.	---	Recommended to provide fire control room at the entrance/security room.
14.	Escape routes		Recommended to provide Direction in



			which the employees/ Students should have to move in the event of any emergency have been marked with luminous paint at each floor directing the employees towards emergency exits.
15.	Fire order	---	Fire safety plans has to be indicated with details of actions to be taken in case of an emergency near staircase landings at each floor with telephone numbers of <b>Belagavi fire station i.e., 0831-2429441 &amp; 101</b> telephone numbers of the nearest Ambulance service & Police Station.
16.	No smoking board	---	COPTA 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.
17.	Fire fighting training	---	At-least 40% of employees shall be got trained in basic fire fighting at R.A.Mundkur fire & Emergency Services Academy, Bannerughatta road, Bangalore within 3 months or at an early date. And shall be submitted to this office.
18.	Fire precautionary measures:- A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, <u>class rooms</u> , 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 outside.
- 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.

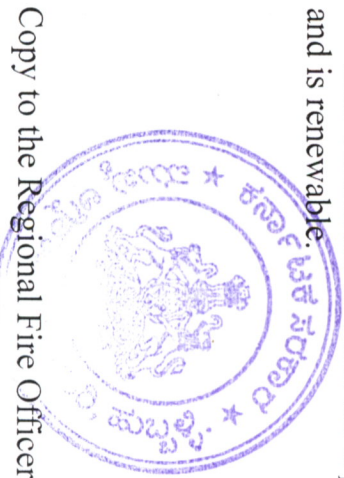
The Karnataka Fire & Emergency Service Department is issued the Fire Safety recommendations in compliance to the undersigned, within 90 days.


**❖ All requirements recommended above are as per National Building Code-2016 Part-4 clause 3.1.4 of Fire and Life safety will have to be complied with mandatorily.**

From the above details it is clear that the 'Management' of the above Educational building have been recommended to provide fire precautionary measures as per **National Building Code 2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings Sub division B1 & B2**. After full-filling the above recommendations, a Certificate should be obtained by this office. *If at any time any of the conditions are found not complied with, this Certificate shall stand withdrawn/cancelled.*

Hence, On the report submitted by the Regional Fire Officer Hubballi this recommendation certificate is issued to Kendriya Vidyalaya building consisting with ground floor + 1 upper floor situated No-01, AFS Sambra, Belagavi, Belagavi District.

This certificate is valid for a period of one year from the date of issue of this letter and is renewable.



Yours faithfully,  
  
**CHIEF FIRE OFFICER**  
 Karnataka State Fire and  
 Emergency Services, Hubballi Zone  
**HUBBALLI-25.**

Copy to the Regional Fire Officer Hubballi.