



Karnataka Fire and Emergency Services Department

Office of the Chief Fire Officer,
Bangalore west zone, High-ground fire station premises,
Sheshadri road, Bangalore – 560 009.
080 – 22971523 / 500 / 600. Fax : 080 – 22971523.



Ind. No. 64/7/8/21

No.497/FSR/CFO/BWZ/2021

30-07-2021

To,

*The Principal,
Kendriya Vidyalaya,
Rail Wheel Factory,
Yelahanka, Bengaluru.*

Sir,

Sub : Issue of 'Fire safety Recommendation' to *Kendriya Vidyalaya*
Situating at *Rail Wheel Factory, Yelahanka, Bengaluru*

Ref: Your letter Dated 08-07-2021.

* * * * *

With reference to the subject above cited, the premises of *Kendriya Vidyalaya* situated at *Rail Wheel Factory, Yelahanka, Bengaluru* was inspected by District Fire Officer, Yelahanka Fire Station on 19-07-2021 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-B

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.	:	<i>The Principal, Kendriya Vidyalaya, Rail Wheel Factory, Yelahanka, Bengaluru.</i>
02.	Name and Address of the premises.	:	<i>Kendriya Vidyalaya, Rail Wheel Factory, Yelahanka, Bengaluru.</i>
03.	Number of buildings	:	One building.
04.	Number of floors	:	Ground & an upper floor only.
05.	<u>Floor-wise details of occupancy:-</u>		



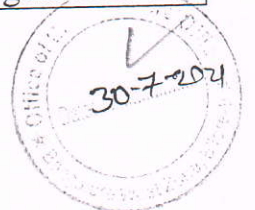
	Ground floor	:	Reception, waiting lounge, 9 class rooms, library, 2 computer labs, office, first aid room, AV room, principal chamber, store room, exam room, HM room, sports room, resource room, art & craft room.
	1 st floor	:	14 class rooms, chemistry lab, mathematics lab, physics lab, biology lab & 2 staff room.
06.	Height of the building	:	08.00 Mtrs.
07.	Site area	:	4345.00 Sq. mtrs
08.	<u>Built-up area of each floor:-</u>		
	Ground floor	:	3592.00 Sq.Mtrs.
	1 st floor	:	2677.00 Sq.Mtrs.
09.	Total built-up area	:	17583.00 Sq. Mtrs.
10.	<u>Surrounding properties:-</u>		
	East	:	10.00 mtrs wide road
	West	:	10.00 mtrs wide road
	North	:	08.00 mtrs wide road
	South	:	12.00 mtrs wide RWF internal road
11.	<u>Set-back area available around the building :-</u>		
	East	:	02.00 Mtrs.
	West	:	Min 10.00 Mtrs.
	North	:	Min 10.00 Mtrs.
	South	:	Min 10.00 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, 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 accessible from 12.00 mtrs wide road located on Southern side.	Adequate
02.	Number of entrances	One entry & one exit, each of 04.50 mtrs width has been provided.	Complied



03.	Generators	Not provided		: One adequate capacity of generator should be provided and it should be connected to all emergency lighting & all fire fighting systems.
04.	Number of staircase	Nos. of staircases	: 03 No's	Complied.
		Width of staircases	: 02 Each of 01.60 Mtrs One of 01.30 mtrs	
		Width of treads	: 30 Cms	
		Height of risers	: 15 Cms	
		Nos. of riser per flight	: 11 No's	
		Height of handrails	: 01.00 Mtrs	
		Head room clearance	: 02.80 mtrs	
05.	Portable extinguishers	05 nos of ABC type fire extinguishers, each of 2 kgs capacity & 02 nos of ABC type fire extinguishers, each of 5 kgs capacity have been provided.		<p>A. One ABC type fire extinguisher of 06 kgs capacity should be kept for every 50 mtrs in corridor of the building.</p> <p>B. One water mist & CAFS type fire extinguisher of 9 ltrs capacity should kept near each staircase landing.</p> <p>C. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.</p>



			D. One CO2 type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board & electrical room.
06.	Hose reel hose system	Not provided	Recommended to provide 03 Hose Reel Hose near each staircase The hose reel hose of min 19mm 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.
07.	Terrace tank over respective tower terrace.	Not provided	Each, system should be connected to an over head tank of 10,000 ltrs capacity
08.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	Each, system should be connected to an booster pump of 450 LPM. Further the system should be connected to an alternative source of power supply.
09.	Escape routes	Not marked	Direction in which the students have to move in the event of an emergency should be indicated in the corridor on each floor during evacuation.



10.	Fire order (Fire safety plans)	Not displayed	A notice board should be indicated the action should be taken by the employees in case of any emergency with the telephone number of Yelahanka fire station i.e 080 - 29733407 & 101, 550, 500 & 600 and the telephone number of nearest ambulance service & Police station.
11.	No smoking board	Not displayed	COTPA Sec-4 directin 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.
12.	Fire fighting training	Not imparted	At-least 40% of the staff should be got trained in basic fire fighting at R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore



13.

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 or 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 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 *Kendriya Vidyalaya* situated at *Rail Wheel Factory, Yelahanka, Bengaluru* subject to condition and compliance of the above recommendations in column -3 of serial - B within 3 months and compliance to the undersigned.

*This '**Fire Safety Recommendation**' is issued for a period of only one year from the date of issue and 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.

Yours faithfully


Chief Fire Officer

Bangalore West, Sheshadri Road,
Highground Fire Station Premises,
Bangalore - 560 009.