

No. 377/FSR/CFO/MZ/2021-22

Office of the
Chief Fire Officer
Karnataka Fire and Emergency Services
Mysuru Zone, Mysuru-570 016
Date: 09-03-2022

To,
The Principal
Kendriya Vidyalaya
BRBNMPL, Mysuru-570 003

Sub : Issue of '**Fire safety recommendation**' to existing "Kendriya Vidyalaya" school building at BRBNMPL, Mysuru-570 003.

Ref : Your request dated: 08-02-2022.

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With reference to the subject above cited, the premises of "Kendriya Vidyalaya" school building at BRBNMPL, Mysuru-570 003 was inspected by me on 24-02-2022 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and details as under.

ANNEXURE-1

Group B Educational Buildings

**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 Kendriya Vidyalaya BRBNMPL, Mysuru-570 003
02	Name and Address of the premises.	:	Kendriya Vidyalaya BRBNMPL, Mysuru-570 003
03	Name and address of the Building owner	:	The Principal Kendriya Vidyalaya BRBNMPL, Mysuru-570 003
04	Number of buildings	:	01 School building.
05	Number of floors	:	Ground + 01 Upper floor.
06	<u>Floor-wise details of occupancy:-</u>	:	<u>Ground floor:-</u> 07 Class rooms & First aid room. <u>First floor:-</u> 03 Class rooms, 02 Labs & First aid room.



07	Height of the building	:	06.90 mtrs.
08	Site area	:	20234.00 Sq.mtrs.
09.	Built-up area of each floor:-		
		:	<u>Ground floor:-</u> 785.00 Sq.mtrs. <u>First floor:-</u> 785.00 Sq.mtrs.
10.	Total built-up area	:	1570.00 Sq.Mtrs.
11.	Surrounding properties:-		
	East (front)	:	09.00 mtrs. wide internal road.
	West (rear)	:	12.00 mtrs. wide road.
	North (side)	:	Open ground.
	South (side)	:	Open ground.
12.	Set-back area available around the building :-		
	East (front)	:	Min. 10.00 mtrs.
	West (rear)	:	Min. 05.00 mtrs.
	North (side)	:	Open ground.
	South (side)	:	Open ground.

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 09.00 mtrs. wide internal road on Eastern thereafter it connects to 12.00 mtrs. wide road on Western side. This road is hardened to carry weight of 45,000kgs.	Adequate.
2.	Number of entrances	01 Entrance of 05.00 mtrs. width has been provided.	Adequate.
3.	Number of staircases available	Number of the staircases	Complied.
		02 nos.	
	Width of staircases	01.50 mtrs.	
	Width of treads	30 cms.	
	Height of risers	15 cms.	
	No. of risers per flight	10 nos.	



		Height of handrails	1.00 mtrs.	
		Head room clearance	02.50 mtrs.	
4.	Diesel generator	Not provided.		Diesel generator of 15 KVA capacity should be provided to supply alternative power supply.
5.	Portable Fire extinguishers	Not provided		<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 & 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 & electrical room.</p> <p>D. One ABC type extinguisher of 6kgs capacity should be located as to be available within 15.00mtrs radius.</p>
6.	First aid hose reel hose	Not provided.		Hose reel hose near the staircase (One hose reel hose system for every 1000 sq.mtrs) shall be provided. The hose reel hose min 19 mm size and 100 mm internal diameter made up of G.I 'C' class pipe and of adequate length to reach the farthest point of each floor should be provided with 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.



7.	Terrace tank over respective tower terrace	Not provided.	<p>Each system should be connected to an over head tank of 5,000 ltrs capacity and further if basement is provided the tank capacity shall be increased to 10,000 ltrs capacity.</p> <p>(The water tank should be kept exclusively for firefighting purpose)</p> <p>Note: If the existing building is not capable of sustaining the weight of 5,000/10,000 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.</p> <p>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.</p>
8.	At the terrace tank level with minimum pressure of 3.5 kg/cm ²	Not provided.	<p>Each system should be connected to an booster pump of 450 LPM or of 5 HP capacity.</p> <p>(Further the system should be connected to an alternative source of power supply)</p>
9.	Escape routes	Not provided.	<p>Directions in which the students have to move in the event of any emergency should be displayed in the corridor on each floor during evacuation.</p>



10.	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 with the telephone number of R.B.I Fire Station i.e. 0821-2582103 & 101 and the nearest Ambulance service and Police Station.
11.	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.
12.	Fire Siren	Not installed	A Fire Siren shall be installed in the premises to inform the inmates in case of fire emergency and evacuate the area.
13.	Nominate one Fire Nodal Officer	--	A Fire Nodal Officer shall be nominate either from teaching or non teaching staff.
14.	Fire Fighting training	Not trained.	40% of the employees should be got trained in fire prevention, fire fighting and evacuation measures from Karnataka Fire and Emergency Services Department at an early date.
15.	<p><u>Fire precautionary measures :-</u></p> <p>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.</p> <p>B) Accumulation of combustible waste in and the premises should be avoided.</p> <p>C) The exit ways shall be always kept clear without any obstruction.</p> <p>D) Liquefied petroleum gas should not be stores in the building.</p> <p>E) The doors shall not be kept locked / latched during working hours and shall be free from obstruction.</p> <p>F) During the class hours the class room doors shall not be locked from inside to outside.</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 14th of every year be conducting Fire Safety drills with co-ordinate Fire Service department.

Under the above circumstance, the Karnataka Fire & Emergency Services Department is issuing Fire Safety Recommendation of "Kendriya Vidyalaya" school building at BRBNMPL, Mysuru-570 003 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".

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
Karnataka Fire & Emergency Services
Mysuru Zone, Hebbala Fire Station
MYSURU-570016