



Office of the Regional Fire Officer, Bengaluru-South Zone,
Karnataka Fire & Emergency Services,
Bannerughatta Road, Bengaluru-560 029.



No.79/RFO/Bng-South/FSR/2022

Dated: 04-06-2022.

ANNEXURE – 1

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).

To,
The Authorised Signatory,
The Sports School,
(A Kalpen Ventures Initiative)
92, Vaderahalli, 19th Mile,
Kanakapura Road,
Bengaluru-562 112.

Sir,

Sub Issue of "**Fire safety recommendation**" with respect of fire prevention,
: fire fighting and evacuation measures required at "The Sports School, (A
Kalpen Ventures Initiative), # 92, Vaderahalli, 19th Mile, Kanakapura Road,
Bengaluru-562 112 - reg.

Ref: 1) Your request letter dated: 01-06-2022.

<<<>>>

With reference to the subject cited above, the premises of "The Sports School (A Kalpen Ventures Initiative), # 92, Vaderahalli, 19th Mile, Kanakapura Road, Bengaluru-562 112 was inspected by me on 01-06-2022 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

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

01	Name and Address of the Applicant.	: The Authorised Signatory, The Sports School, (A Kalpen Ventures Initiative) # 92, Vaderahalli, 19 th Mile, Kanakapura Road, Bengaluru-562 112.
02	Name and Address of the premises.	: The Sports School, (A Kalpen Ventures Initiative) # 92, Vaderahalli, 19 th Mile, Kanakapura Road, Bengaluru-562 112.



03	Name and address of the Building owner	:	The Sports School, (A Kalpen Ventures Initiative) # 92, Vaderahalli, 19 th Mile, Kanakapura Road, Bengaluru-562 112.
04	Number of buildings	:	One building.
05	Number of floors	:	Ground & 03 upper floors.
06	<u>Floor-wise details of occupancy:-</u>		
	Ground floor	:	1 Admin office, 2 Principal Cabin, 2 Lockers room, 1 Infirmary room, 1 GYM room & 1 Parents Lounge.
	1 st floor	:	09 Class rooms, 1 Library, 1 Staff room & 1 Computer room.
	2 nd floor	:	10 Class rooms, 1 Examination room, 1 Seminar Hall, 1 Library, 1 Science lab & 1 Chemistry lab.
	3 rd floor	:	12 Class rooms, 1 Chemistry lab, 1 physics lab, 1 Biology Lab, 1 Examination room & 1 Staff room.
7	Height of the building	:	14.60 mtrs.
08	Site area	:	About 8,500 Sq.mtrs.
09.	<u>Built-up area of each floor:-</u>		
	Ground floor	:	1,607.77 Sq.Mtrs.
	1 st floor	:	1542.09 Sq.Mtrs.
	2 nd floor	:	1721.39 Sq.Mtrs.
	3 rd floor	:	1685.90 Sq.mtrs.
10.	Total built-up area	:	6557.15 Sq.Mtrs.
11.	<u>Surrounding properties:-</u>		
	North	:	09.00 mtrs wide Road.
	South	:	Vacant Land.
	East	:	Vacant Land.
	West	:	Hostel Building.
12.	<u>Set-back area available around the building :-</u>		
	North	:	Min. 05.00 Mtrs.
	South	:	Min. 05.00 Mtrs.
	East	:	Min. 05.00 Mtrs.
	West	:	Min. 06.00 Mtrs.

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	Details (02)	Existing (03)	Recommendations (04)
--------	---------------	----------------	-----------------------



1.	Accessibility	The premises is accessible from 09.00 mtrs wide Road located on the Northern Side. The road is hardened to carry the weight of 45.000 kgs.		Complied.
2.	Number of entrances	01 entrance cum exit of 6.00 mtrs width has been provided.		Complied.
3.	Diesel generators	Not provided.		Alternative power supply (Diesel generator) of required capacity has been provided and connected for the lighting, Machinerics & other Utilities.
4.	Number of staircases available	Number of the staircases	02 Staircases.	Adequate
		Width of staircases	1.30 mtrs	
		Width of treads	30 cms.	
		Height of risers	15 cms.	
		No. of risers per flight	11 riser per flight.	
		Height of handrails	0.90 mtrs.	
		Head room clearance	2.40 mtrs.	
5.	No. lifts and capacity	Not Provided.		Not Applicable.
6	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>



7.	First aid hose reel hose	Not provided.	2 Hose reel hoses system near the staircases landing shall be provided. The hose reel hose shall be of min 19mm size and of 40.00mtrs length should be provided with shut off branch having a nozzle of 5mm size. The riser should be of 100 mm internal diameter and of G.I System "C" class pipe. The hose reel hose should be connected at each landing of by means of an adaptor.
8.	Terrace tank over respective tower terrace	Not Provided.	The system should be connected to an RCC overhead tank of 5,000 Ltrs capacity. (The water tank should be kept exclusively for firefighting purpose & syntax tank should not be used).
9.	At the terrace tank level with minimum pressure of 3.5 kg/cm ²	Not provided.	Recommended to provide Booster pump of capacity 450 LPM for Each Hose Reel Hose System. (Further the system should be connected to an alternative source of power supply).
10.	Escape routes	Escape routes have been marked at each floor to guide the students/staffs in case of any emergency.	The requirement is complied with.
11.	Fire order (Fire Safety plans)	Not provided.	A notice board indicating the action to be taken by the employees in case of any emergency shall be displayed with the telephone number of Anjanpura Fire Station, i.e., 080-22971609 and the nearest Ambulance service and Police Station.
12.	No smoking board.	No Smoking Board has been displayed in English & Kannada at inside the entry / exit of the each floor.	The requirement is complied with.
13.	Fire Fighting training	Not trained.	At least 40% of the staff should be got trained in basic fire fighting at R.A.Mundkur Fire & Emergency




			Services Academy, Bannerghatta Road, Bangalore -560029 / Chief Fire Officer, Zone level.
14.	Fire Siren	Not Installed	A Fire Siren shall be installed in the premises to inform the inmates in case of a fire emergency and evacuate the area.
15	Nominate one fire Nodal Officer	--	A Fire Nodal Officer shall be Nominated either from teaching or non Teaching Staff.
16.	<u>Fire precautionary measures :-</u> 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. B) Accumulation of combustibile waste in and the premises should be avoided. C) The exit ways shall be always kept clear without any obstruction. D) Liquefied petroleum gas should not be stores 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. 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 14 th 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 to ""The Sports School, (A Kalpen Ventures Initiative), # 92, Vaderahalli, 19th Mile, Kanakapura Road, Bengaluru-562 112" subject to condition and compliance of the above recommendations in Column-4 of part-B within 3 months and obtain compliance from the undersigned. **"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.

Yours faithfully,


REGIONAL FIRE OFFICER
 Bengaluru South Range,
 Bengaluru - 560 029.