

No. 378/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

B-5

To,
The Secretary
Mysore Diocesan Educational Society
St. Joseph's Complex
Jayalakshmipuram
Mysuru.

Sub : Issue of 'Fire safety recommendation' to existing "St. Joseph's Central School" building at Yelwala, Mysuru.

Ref: Your request dated: 01-02-2022.

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With reference to the subject above cited, the premises of "St. Joseph's Central School" building at Yelwala, Mysuru was inspected by me on 08-02-2022 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 Secretary Mysore Diocesan Educational Society St. Joseph's Complex Jayalakshmipuram Mysuru
02	Name and Address of the premises.	:	St. Joseph's Central School Yelwala, Mysuru
03	Name and address of the Building owner	:	The Secretary Mysore Diocesan Educational Society St. Joseph's Complex Jayalakshmipuram Mysuru
04	Number of buildings	:	01 School building.

ST. JOSEPH'S CENTRAL SCHOOL
Mysore-Hunsur Road, Yelwal Post
Mysore Dist - 577 130

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05	Number of floors	:	Ground + 02 Upper floors.
06	<u>Floor-wise details of occupancy:-</u>		
		:	<u>Ground floor:-</u> 15 Class rooms, Principal room, Staff room, Library, Sports room, Store room & Office room. <u>First floor:-</u> 17 Class rooms, Staff room, Computer lab, Store room & Office room. <u>Second floor:-</u> 17 Class rooms, Staff room, Library, Store room & Office room.
07	Height of the building	:	11.40 mtrs.
08	Site area	:	41900.18 Sq.mtrs.
09.	<u>Built-up area of each floor:-</u>		
		:	<u>Ground floor:-</u> 1803.38 Sq.mtrs. <u>First floor:-</u> 1728.89 Sq.mtrs. <u>Second floor:-</u> 1728.89 Sq.mtrs.
10.	Total built-up area	:	5261.16 Sq.Mtrs.
11.	<u>Surrounding properties:-</u>		
	North (front)	:	Mysore-Hunsur road.
	South (rear)	:	12.00 mtrs. wide road.
	East (side)	:	Open ground.
	West (side)	:	Open ground.
12.	<u>Set-back area available around the building :-</u>		
	North (front)	:	Min. 30.00 mtrs.
	South (rear)	:	Min. 15.00 mtrs.
	East (side)	:	Open ground.
	West (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 :-

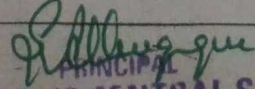
Sl. No. (1)	Details (02)	Existing (03)	Recommendations (04)
1.	Accessibility	The premises is accessible from 24.00 mtrs. wide Mysore to Hunsur main road on Northern side. This road is hardened to carry weight of 35,000 kgs.	Adequate.

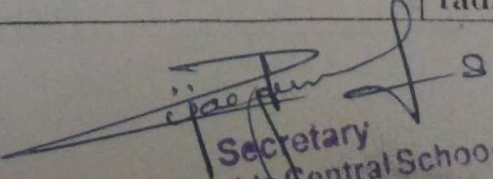
Signature
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2.	Number of entrances	02 Entrances each of 06.00 mtrs. width has been provided.	Adequate.														
3.	Number of staircases available	<table border="1"> <tr> <td>Number of the staircases</td> <td>03 nos.</td> </tr> <tr> <td>Width of staircases</td> <td>01.50 mtrs.</td> </tr> <tr> <td>Width of treads</td> <td>30 cms.</td> </tr> <tr> <td>Height of risers</td> <td>15 cms.</td> </tr> <tr> <td>No. of risers per flight</td> <td>12 nos.</td> </tr> <tr> <td>Height of handrails</td> <td>1.00 mtrs.</td> </tr> <tr> <td>Head room clearance</td> <td>02.50 mtrs.</td> </tr> </table>	Number of the staircases	03 nos.	Width of staircases	01.50 mtrs.	Width of treads	30 cms.	Height of risers	15 cms.	No. of risers per flight	12 nos.	Height of handrails	1.00 mtrs.	Head room clearance	02.50 mtrs.	Complied.
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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>														


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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

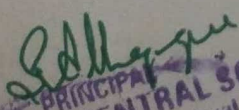
Not provided.

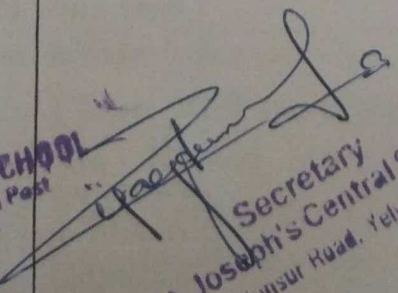
Each system should be connected to an over head tank of 5,000 ltrs capacity and further if basement is provided the tank capacity shall be increased to 10,000 ltrs capacity.

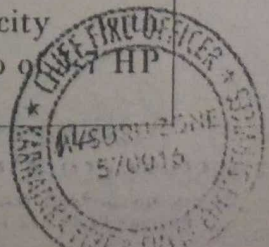
(The water tank should be kept exclusively for firefighting purpose)

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.

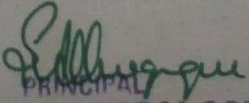
If there is no option to provide even the above mentioned overhead tank provision shall be made to provide underground water tank of capacity submersible pump of HP capacity.

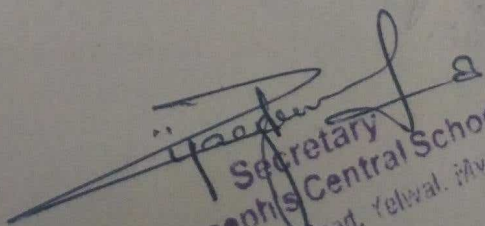

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8.	At the terrace tank level with minimum pressure of 3.5 kg/cm ²	Not provided.	Each system should be connected to an booster pump of 450 LPM or of 5 HP capacity. (Further the system should be connected to an alternative source of power supply)
9.	Escape routes	Not provided.	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.
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 Hebbal Fire Station i.e. 0821-2512101 & 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.


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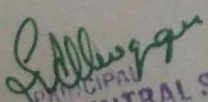
11. Fire Fighting training	Not trained.	40% of the employees should be got trained in fire prevention, fire fighting and evacuation measures from Karnataka Fire and Emergency Services Department at an early date.
15. <u>Fire precautionary measures :-</u> <ul style="list-style-type: none"> A) Explosive 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 outside. 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. 		

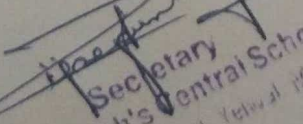
Under the above circumstance, the Karnataka Fire & Emergency Services Department is issuing Fire Safety Recommendation of "St. Joseph's Central School" building at Yelwala, Mysuru subject to condition and compliance of the above recommendations in Column-4 of serial-B within 3 months and compliance to the undersigned.

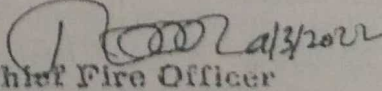
"This Fire Safety Recommendation is valid for Only One Year from the date of issued and it is renewable".

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


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 Chief Fire Officer
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