



GOVERNMENT OF KARNATAKA

Office of the District Fire Officer,  
Karnataka State Fire Service  
Fire Station  
BAGALKOT-587 103  
Date: 08/02/2024

C.NO/107/ADV/DFO/BAGALKOT/2024

To,  
Head Master  
Samuel Memorial English Medium  
School, Anand Nagar, Mudhol.  
Bagalkot District.

Sir,

Sub : Issue of 'Fire safety recommendation/Advice' to Samuel Memorial English Medium Primary and High School at Sy No 521/3B, Mudhol, Dist - Bagalkot.

Ref: 1) Applicant request letter Dated 05/02/2023  
2) No.GBC(2)044/2020-21 Dated 18/06/2022 S.O No.156-B.

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With reference to the subject above cited, the premises of Samuel Memorial Little Angel's Education Society's, Samuel Memorial English Medium Primary and High School Consisting of Ground Floor & 02 Upper Floors, situated at Sy No 521/3B, Mudhol, Dist Bagalkot. was inspected by me on 05/02/2024 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 Education 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.	:	Head Master Samuel Memorial English Medium School, Anand Nagar, Mudhol. Bagalkot District.
02	Name and Address of the premises.	:	Samuel Memorial Little Angel's Education Society's, Samuel Memorial English Medium Primary and High School ,Sy No 521/3B, Mudhol, Dist Bagalkot.
03	Name and address of the Building owner	:	Secretary Samuel Memorial Little Angel's Education Society's, Mudhol
04	Number of buildings	:	01 Building



05	Number of floors	:	Ground+02 upper floors
06	<b>Floor-wise details of occupancy:-</b>		
	Ground Floor	:	Class Room-09, Office Room, Principal Room, Staff Room.
	First Floor	:	Class Room-13, Science Lab, Library.
	Second Floor	:	Class room-08, Auditorium, Computer Lab.
07	Height of the building	:	11.40 mtrs
08	Site area	:	4048.32 Sq Mtr
09	Built-up area of each floor:-		
	Ground Floor	:	1374.17 Sq. Mtrs.
	First Floor	:	1374.17 Sq. Mtrs.
	Second Floor	:	1374.17 Sq. Mtrs.
10.	<b>Total built-up area</b>	:	<b>4122.51 Sq. Mtrs.</b>
11.	Surrounding properties:-		
	East	:	School Ground.
	West	:	Residential Area.
	North	:	Road.
	South	:	Road.
12.	<b>Set-back area available around the building :-</b>		
	East	:	02.00 Mtrs.
	West	:	01.00 Mtrs.
	North	:	01.00 Mtrs.
	South	:	03.00 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 premise is abutting by 06.00 mtrs. Wide hard surfaced road located on Southern side.	Adequate
02.	No. of entrances	01 No entrance of 06.00 mtrs wide is provided.	Minimum 01 Entrance & 01 Exit Should be Provided.
03.	No. of staircases available	Nos. of staircases	: 02
		Width of staircases	: 1.50 mt
		Width of treads	: 30 cm
		Height of risers	: 15 cm
		Nos. of riser per flight	: 15 no.
			Recommended to provide staircases maintaining travel distance with 22.50 mtrs. With minimum 02.00 mtrs. Width, 30 cm treads width.



		Height of handrails	:	.90 mtr	15 cm treads height, 1 mtr. Handrail, with minimum 02.20 head room clearance.
		Head Room clearance	:	1.80 mtr	
04.	Portable Fire extinguishers	Not Provided			<p>A. One water mist extinguisher of 9 ltrs capacity should keep near each staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs. capacity &amp; One ABC type extinguisher of 6 kgs. capacity should be provided near diesel generator.</p> <p>C. One CO2 type fire extinguisher, of 4.5 kgs. Capacity should be provided near each electrical panel board &amp; electrical room.</p> <p>D. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. Radius.</p>
05.	Hose reel hose system	---			One Hose Reel Hose near the staircase <b>(One hose reel hose system for every 1000 Sq. Mt)</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.
06.	Pump at the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	---			The system should be connected to a booster pump of 450 LPM or of 5 HP capacities.
07.	Diesel Generator	Not Provided			Diesel generator of 15 KVA capacities should be provided to supply alternative power supply.



08.	Terrace tank over respective tower terrace.	Not provided	<p>The system should be connected to an overhead 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><b>(The water tank should be kept exclusively fire fight purpose)</b></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 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>
09.	Escape routes	---	<p>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</p>
09.	Fire order (Fire safety plans)	---	<p>Fire safety plans should 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>Mudhol fire station i.e. 08350-283101 &amp; 101</b> telephone numbers of the nearest Ambulance service &amp;</p>



			Police Station.
11.	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.
12.	Fire Siren	---	A Fire Siren shall be installed in the premises to inform the inmates in case of a fire emergency and evacuate the area.
13.	Nominate of Fire Nodal Officer	---	A Fire Nodal Officer shall be nominated either from teaching or non teaching staff.
14.	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.
15.	<p><b>Fire precautionary measures:-</b></p> <p>A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory &amp; electrical sum panel premises.</p> <p>B. Accumulation of combustible waste in and around 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 stored 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> <p>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.</p>		



Under the above circumstance the Karnataka Fire And Emergency Service Department is issuing **Fire Safety Recommendation** to Samuel Memorial Little Angel's Education Society's, Samuel Memorial English Medium Primary and High School Consisting of Ground Floor & 02 Upper Floors, situated at Sy No 521/3B, Mudhol, Dist Bagalkot. Subject to condition and compliance of the above recommendations in column 4 of serial B within 03 months compliance to the undersigned.

♣ 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.***

The "**Fire Safety Recommendation**" is valid for a period of **one year** from the date of issue and it is renewable. If above recommendation are fulfilled.

Yours faithfully



**District Fire Officer**  
**Fire Station**  
**BAGALKOT-587 102**