

No.28/FSR/CFO/MD/2015

To

✓ The Manager,
The Cambridge International School,
Adyar,
Mangaluru – 575 007,
Dakshina Kannada District.

Sir,

Sub: Issue of Revised '**Fire safety recommendation**' to The Cambridge International School building, constructed at Sy.No. 26/1A1 of Adyar Village, Mangaluru Taluk, Dakshina Kannada District.

Ref: Report No.58/FSR/DFO/MNG/DK/2021 dated 02-03-2021 of the District of Fire Officer, Mangaluru.

><><*@*<><<

With reference to the subject above cited, the premises of The Cambridge International School building, constructed at Sy. No. 26/1A1 of Adyar Village, Mangaluru Taluk, Dakshina Kannada District was inspected by the District of Fire Officer, Mangaluru on 27-02-2021 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

A. Details of the building / premises :-

01. Name and Address of the Applicant. : The Manager,
The Cambridge International School,
Adyar,
Mangaluru – 575 007,
Dakshina Kannada District.
02. Name and Address of the premises. : The Cambridge International School,
Sy.No 26/1A1,
Adyar village,
Mangaluru – 575 007,
Dakshina Kannada District.
03. Name and address of the Building owner : The Managing Trustee,
Metropolitan Education Trust(R),
The Cambridge International School,
Adyar,
Mangaluru – 575 007,
Dakshina Kannada District.
04. Number of buildings : One.
05. Number of floors : Ground floor & 1 upper floors.
06. Floor-wise details of occupancy:-
Ground floor. : 09 class rooms & staff room.
1st floor : 10 class rooms & staff room.
07. Height of the building : 08.35 mtrs.
08. Site area : 7,122.46 Sq. mtrs. (01.76 Acer)



09. Built-up area of each floor:-

Ground floor : 710.48 Sq.mtrs.
1st floor : 710.48 Sq.mtrs.

10. Total built-up area : 1,420.96 Sq. mtrs.

11. Surrounding properties:-

North (front) : Residential house
South (Rear) : Temple
East (Side) : Residential house and partly vacant land
West (Side) : Abutting 06.00 mtr wide road and partly temple and residential house.

12. Set-back area available around the building :-

North (front) : 33.00 mtrs.
South (Rear) : 03.00 mtrs.
East (Side) : 03.20 mtrs.
West (Side) : 06.30 mtrs.

Allowed setbacks (open space) should be maintained free from further obstruction/ construction.

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. (01)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the premises	The premises abutting 06.00 mtrs. wide road, located on the western side and the road is hardened to carry the weight of 45,000 Kgs.	Adequate.
02.	Number of entrances	One.	Adequate
03.	Diesel generator	Provided diesel generator of 20 KVA capacity.	One adequate capacity standby generator should be provided and it should be connected to alternative power supply.
04.	Number of staircase	Nos. of staircases : 01 Width of staircases : 01.75 mtr Width of treads : 30 cms. Height of risers : 15 cms. Nos. of riser per flight : 13 Nos. Height of handrails : 01.00 mtr.	



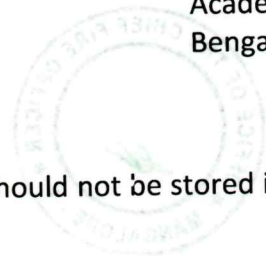
(01)	(02)	(03)	(04)
05.	Portable extinguishers	Provided 10 Nos. ABC powder extinguishers, each of 04 kgs. capacity.	<p>A. One water mist extinguisher of 9 ltrs capacity should kept near staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs 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 & 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>
06.	Hose reel hose system	Not provided	<p>One Hose Reel Hose near the staircase (one hose reel hose system for every 1000 Sq. mtrs) should be provided. 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.</p>
07.	Manually operated electronic Fire alarm system.	Not provided	<p>Manually operated electrical fire alarm system should be installed with call boxes located near staircase landing of floor of the building. The call boxes should be of 'break glass' type, where the call is transmitted automatically to the control room when the glass of the system is broken. This system should also be connected to an alternative source of power supply (diesel generator). The call boxes should be so installed that their location can be easily noticed from either direction and should be at a height of one meter from the floor level.</p>



(01)	(02)	(03)	(04)
08.	Terrace tank over respective tower terrace.	Provided 1 syntax tank each of 2,000 ltrs. capacity for domestic use.	The system should be connected to an RCC over head tank of 10,000 ltrs. capacity. (The water tank should be kept exclusively fire fight purpose).
09.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	The system should be connected to an booster pump of 450 LPM Further the system should be connected to an alternative source of power supply.
10.	Escape routes	Not marked	Direction in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evacuation.
11.	Fire order (Fire safety plans)	Not displayed	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 Mangaluru Fire Station i.e. 101, 112, 0824-2423333, 2213192 & 2211085 and the telephone number of nearest ambulance service & Police station.
12.	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.
13.	Fire fighting training	Not imparted	At-least 40% of the staff should be got trained in basic fire fighting at Karnataka Fire and Emergency Services, Chief Fire officer's Office, Pandeshwara, Mangaluru – 575001 or at the R.A.Mundkur Karnataka Fire & Emergency Services Academy, Bannerghatta Road, Bengaluru – 560 029.

14. **Fire precautionary measures :-**

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 to out side.
 - 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 The Cambridge International School building, constructed at Sy. No. 26/1A1 of Adyar Village, Mangaluru Taluk, Dakshina Kannada District 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 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.



Copy to:-

- 1) The Block Education Officer, Managaluru South Range, Bolar, Mangaluru..
- 2) District Fire Officer, Mangaluru.

Yours faithfully,

[Handwritten Signature]
20/2/21

Chief Fire Officer
Karnataka State Fire & Emergency Services
Mangalore