

Dated: 02-03-2021

No.42/FSR/CFO/MD/2021

To  
The Headmistress,  
Sri Dharmasthala Manjunatheshwara  
English Medium High School,  
Belthangady Taluk- 574 214,  
Dakshinna Kannada District.

Sir,

Sub: Issue of 'Fire safety recommendation' to Sri Dharmasthala Manjunatheshwara English Medium High School building, situated at Sy.No.59/2A, Belthangady Village & Taluk, Dakshina Kannada District.

Ref: Report No.17/FSR/DFO/MNG/DK/2021 dated 26-02-2021 of the District of Fire Officer, Mangaluru.

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With reference to the subject above cited the premises of Sri Dharmasthala Manjunatheshwara English Medium High School building, situated at Sy.No.59/2A, Belthangady Village & Taluk, Dakshina Kannada District was inspected by the District Fire Officer, Mangaluru on 15-02-2021 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 Headmistress,  
Sri Dharmasthala Manjunatheshwara  
English Medium High School,  
Belthangady Taluk- 574 214,  
Dakshinna Kannada District.
- 02 Name and Address of the premises. : Sri Dharmasthala Manjunatheshwara  
English Medium High School,  
Sy.No.59/2A,  
Belthangady Village,  
Belthangady Taluk- 574 214,  
Dakshinna Kannada District.
- 03 Name and address of the Building owner : Sri Dharmasthala Manjunatheshwara  
Educational Society (R),  
Ujire,  
Belthangady Taluk- 574 214,  
Dakshinna Kannada District.
- 04 Number of buildings : One.
- 05 Number of floors : Ground floor & two upper floor.



06. Floor-wise details of occupancy:-  
 Ground floor : 10 class rooms, staff room, office room, master room.  
 1<sup>st</sup> floor : 08 class rooms, computer lab, 02 labs & lab  
 2<sup>nd</sup> floor : 13 class rooms  
 : 09.35 mtrs.  
 : 30,027.67 Sq. mtrs. (07.42 acres)
07. Height of the building
08. Site area
09. Built-up area of each floor:-  
 Ground floor : 1,396.40 Sq.mtrs.  
 1<sup>st</sup> floor : 1,401.50 Sq.mtrs.  
 2<sup>nd</sup> floor : 1,401.50 Sq.mtrs.  
 : 4,202.40 Sq.mtrs.
10. Total built-up area
11. Surrounding properties:-  
 North (front) : 06.00 mtrs wide abutting road.  
 South (Rear) : Residential area.  
 East (Side) : Vacant land  
 West (Side) : Residential house.
12. Open area available around the building :-  
 North (front) : Minimum 06.00 mtrs.  
 South (Rear) : 07.00 mtrs.  
 East (Side) : Minimum 06.00 mtrs.  
 West (Side) : 06.00 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 is abutting 06.00 mtrs. wide road, located on the northern side, the road is hardened to carry the weight of 45,000 kgs.	Adequate.



	(2)	(3)	(4)
	Number of entrances	Frontage of the building left open.	Adequate.
	Diesel generator	Not provided.	One adequate capacity standby generator should be provided and it should be connected to alternative power supply.
4.	Number of staircase	<p>Nos. of staircases : Three</p> <p>Width of staircases : Two each of 01.45 mtr &amp; another of 01.80 mtr.</p> <p>Width of treads : 0.30 mtr.</p> <p>Height of risers : 0.15 mtr.</p> <p>Nos. of riser per flight : 10 Nos.</p> <p>Height of handrails : 00.90 mtr.</p>	
05.	Portable extinguishers	Provided 02 Nos. ABC powder fire extinguisher of 01 kg. capacity and 01 Nos. ABC extinguisher of 04 Kgs capacity.	<p>A. One water mist extinguisher of 9 ltrs. capacity should kept near each staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs. capacity &amp; one ABC type fire 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>
06.	Hose reel hose system	Not provided	Two Hose Reel Hose near the staircase (One hose reel hose system for every 1000 Sq. mtrs) should be provided. Each 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.



(1)	(2)	(3)	(4)
07.	Manually operated electronic Fire alarm system.	Not provided	Manually operated electrical alarm system should be installed with call boxes located near staircase landing of the building. 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). 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 floor level.
08.	Terrace tank over respective tower terrace.	Provided 02 syntax tanks, each of 4,000 ltrs. Capacity.	Each hose reel hose system should be connected to an RCC over head tank each of 10,000 ltrs capacity (Total-2 tanks) <b>(The water tank should be kept exclusively fire fight purpose).</b>
09.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	Not provided	Each hose reel hose system should be connected to a booster pumps each of 450 LPM. (total- 2 pumps) <b>Further the system should be connected to an alternative source of power supply.</b>
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 Belthangady Fire Station i.e. 08256-232621 and the telephone number of nearest ambulance service & Police station.



(2)	(3)	(4)
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 - 575 001 or at the R.A.Mundkur Karnataka Fire & Emergency Services Academy, Bannerghatta Road, Bengaluru - 560 029.

14. **Fire precautionary measures :-**

- A. 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 combustibile 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 14<sup>th</sup> 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 Dharmasthala Manjunatheshwara English Medium High School building, situated at Sy.No.59/2A, Belthangady Village, Belthangady 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, Belthangady, Belthangady Taluk, Dakshina Kananda Dist.
- 2) District Fire Officer, Mangaluru.

Yours Faithfully,

*[Signature]* 12/3/21

Chief Fire officer

Karnataka State Fire & Emergency Services  
Mangaluru - 575 001