



Karnataka Fire and Emergency Services Department

Office of the Chief fire officer,
Bangalore west zone, High-ground fire station premises,
Sheshadri road, Bangalore - 560 009.
080 - 22971523 / 500 / 600. Fax : 080 - 22971523.



No.874/CFO/BWZ/2020

30-12-2020

To,

*The Principal,
Sri Raghavendra College of Education,
Malladihalli, Holalkere Taluk,
Chitradurga.*

Sir,

Sub : Issue of 'Fire safety Recommendation' to *Sri Raghavendra College of Education* at *R. Sy. No. 9/1, 2 & 3, Malladihalli Village, Holalkere Taluk, Chitradurga District.*

Ref: Your letter Dated 16-12-2020.

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With reference to the subject above cited, the premises of *Sri Raghavendra College of Education* situated at *R. Sy. No. 9/1, 2 & 3, Malladihalli Village, Holalkere Taluk, Chitradurga District* was inspected by Regional Fire Officer, Davanagere Range on 24-12-2020 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-B

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.	:	<i>The Principal, Sri Raghavendra College of Education, Malladihalli, Holalkere Taluk, Chitradurga.</i>
02.	Name and Address of the premises.	:	<i>Sri Raghavendra College of Education R. Sy. No. 9/1, 2 & 3, Malladihalli Village, Holalkere Taluk, Chitradurga District</i>



03.	Name & address of the building owner	:	<i>The Secretary, Trustee Committee of Anathasevashrama, Sri Raghavendra College of Education, Malladihalli, Holalkere Taluk, Chitradurga.</i>
04.	Number of buildings	:	One building.
05.	Number of floors	:	Ground floor & an upper floor.
06.	<u>Floor-wise details of occupancy:-</u>		
	Ground floor	:	Principal room, office, 02 staff rooms, 11 class rooms, 06 labs, workshop, fitter section, diary section, wood store, 02 store rooms, lumber room & multipurpose hall.
	1 st floor	:	Principal room, office room, staff room, 10 class rooms, record room, visiting lounge & rest room.
07.	Height of the building	:	07.10 mtrs.
08.	Site area	:	15,175.21 Sq. mtrs
09.	<u>Built-up area of each floor:-</u>		
	Ground floor	:	3144.36 Sq. mtrs
	1 st floor	:	1320.74 Sq. mtrs
10.	Total built-up area	:	4465.10 Sq. Mtrs.
11.	<u>Surrounding properties:-</u>		
	East	:	12.00 mtrs wide Malladihalli to Chikkajajur Road thereafter after private property
	West	:	Remaining owner property
	North	:	09.00 mtrs wide Service road and then private property
	South	:	06.00 mtrs wide Public road and then residential area.
12.	<u>Open space all around the building:-</u>		
	East	:	06.00 mtrs
	West	:	06.00 mtrs
	North	:	04.00 mtrs
	South	:	Min 20.00 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. (1)	Details (02)	Existing (03)	Recommendations (04)																					
01.	Accessibility to the Premises	The premises is accessible from 12.00 mtrs wide Malladihalli to chikkajajur road located on eastern side and hard enough to carry the weight of water tender.	Adequate																					
02.	Number of entrances	One entry of 06.00 mtrs width located on Southern side.	Complied																					
03.	Diesel generator	Not provided	One Adequate capacity of generator should be provided and it should be connected to alternative power supply.																					
04.	Number of staircase	<table border="1"> <tr> <td>Nos. of staircases</td> <td>:</td> <td>01</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>01.10 mtrs</td> </tr> <tr> <td>Width of treads</td> <td>:</td> <td>30 Cms</td> </tr> <tr> <td>Height of risers</td> <td>:</td> <td>15 Cms</td> </tr> <tr> <td>Nos. of riser per flight</td> <td>:</td> <td>09 Nos'</td> </tr> <tr> <td>Height of handrails</td> <td>:</td> <td>01.00 Mtrs</td> </tr> <tr> <td>Head room Clearance</td> <td>:</td> <td>03.30 mtrs</td> </tr> </table>	Nos. of staircases	:	01	Width of staircases	:	01.10 mtrs	Width of treads	:	30 Cms	Height of risers	:	15 Cms	Nos. of riser per flight	:	09 Nos'	Height of handrails	:	01.00 Mtrs	Head room Clearance	:	03.30 mtrs	Complied
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05.	Portable extinguishers	03 DCP type fire extinguishers, each of 04 kgs capacity has been provided.	<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 & 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 provided for every 100 should be provided.</p>
06.	Hose reel hose system	Not provided	<p>One Hose Reel Hose near the staircase. 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.	Terrace tank over respective tower terrace.	Not provided	<p>The system should be connected to an over head tank of 10,000 ltrs capacity.</p>
08.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	<p>The system should be connected to an booster pump of 450 LPM.</p> <p>Further the system should be connected to an alternative source of power supply.</p>



09.	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.
10.	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 Holalkerefire station i.e 9483109101 & 101, 550, 500 & 600 and the telephone number of nearest ambulance service & Police station.
11.	No smoking board	Not displayed	COTPA Sec-4 directin 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 fighting training	Not imparted	At-least 40% of the staff should be got trained in basic fire fighting at R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore



13. **Fire precautionary measures :-**

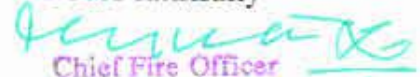
- A. Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.
- B. Accumulation of combustible waste in and around the premises should be avoided.
- C. The exit ways shall be always kept clear without 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 *Sri Raghavendra College of Education* situated at *R. Sy. No. 9/1, 2 & 3, Malladihalli Village, Holalkere Taluk, Chitradurga 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.

Yours faithfully



Chief Fire Officer

Bangalore West, Seshadri Road,
Highground Fire Station Premises,
Bangalore - 560 009.