

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



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 01/01/2020 BY 60320

01-01-2020

To,

The Chairman,

Keerthana International Residential School,

Goobalahalli Road, Kaiwara,

Chintamani Taluk,

Chikkaballapura District.

Sir,

Sub : Issue of 'Fire safety Recommendation' to Keerthana International Residential School Situated at Goobalahalli Road, Kaiwara, Chintamani Taluk, Chikkaballapura District.

Ref. Your letter Dated 11-11-2019.

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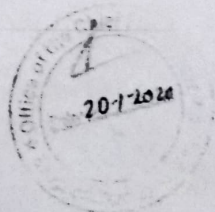
With reference to the subject above cited, the premises of Keerthana International Residential School situated at Goobalahalli Road, Kaiwara, Chintamani Taluk, Chikkaballapura District was inspected by District Fire Officer Chikkaballapura Fire Station on 07-01-2020 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and 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.	:	The Chairman, Keerthana International Residential School, Goobalahalli Road, Kaiwara, Chintamani Taluk, Chikkaballapura District.
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02.	Name and Address of the premises	Keerthana International Residential School Goobalahalli Road, Kaiwara, Chintamani Taluk, Chikkaballapura District.
03.	Number of building floors	One building
04.	Number of floors	Ground & 3 upper floors
05.	<u>Floor-wise details of occupancy:-</u>	
	1 st floor	10 class rooms & store room
	2 nd floor	10 class rooms & store room
	3 rd floor	10 class rooms & store room
06.	Height of the building	12.40 Mtrs.
07.	Site area	2.23 Acres.
08.	<u>Built-up area of each floor:-</u>	
	Ground floor	771.74 Sq.Mtrs.
	1 st floor	771.74 Sq.Mtrs.
	2 nd floor	771.74 Sq.Mtrs.
	3 rd floor	771.74 Sq.Mtrs.
09.	Total built-up area	3086.96 Sq. Mtrs.
10.	<u>Surrounding properties:-</u>	
	East (Front)	09.00 mtrs wide Goobalahalli - Kaiwara main road
	West (Rear)	Government property
	North (Side)	Private property
	South (Side)	Government property
11.	<u>Set-back area available around the building :-</u>	
	East (Front)	Min 100.00 Mtrs.
	West (Rear)	05.80 Mtrs.
	North (Side)	Min 100.00 Mtrs.
	South (Side)	Nil
<p>Allowed setbacks (open space) should be maintained free from further obstruction / construction for easy movement of emergency vehicles.</p>		

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 accessible from 09.0 mtrs wide Goobalahalli - Kaiwara road located on eastern side.	Adequate
02.	Number of entrances	One entry cum exit of 08.20 mtrs width has been provided.	Complied
03.	Generators	Not provided	Complied A generator should be provided & it should be connected to all fire alarm systems.
04.	Number of staircases	<div>Nos. of : 01 No</div> <div>Width of staircases : 01.60 Mtrs</div> <div>Width of treads : 30 Cms</div> <div>Nos. of riser per flight : 15 No's</div> <div>Handrails : 01 No's</div> <div>Head room clearance : 02.95 Mtrs</div>	In addition of existing staircases, one staircase of 01.50 mtrs width should be provided for easy movement of evacuating time.
05.	Portable extinguishers	<u>Ground floor</u> 02 nos of ABC type fire extinguishers, each of 04 kgs capacity have been provided.	A One water mist or CAFS type fire extinguisher of 9 ltrs capacity should be provided on staircase landing.

		<p>1st floor</p> <p>02 nos of ABC type fire extinguishers, each of 04 kgs capacity have been provided.</p> <p><u>2nd floor</u></p> <p>02 nos of ABC type fire extinguishers, each of 04 kgs capacity have been provided.</p> <p>3rd floor</p> <p>02 nos of ABC type fire extinguishers, each of 04 kgs capacity have been provided.</p>	<p>B. One machine 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 kgs capacity should be provided near each electrical panel board in electrical room.</p>
06.	Hose reel hose system	Not provided	<p>One Hose Reel Hose system should be near the staircase. The hose reel hose of min 19mm 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 overhead tank of 10,000 ltrs capacity</p>

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8.	At the terrace tank level with minimum pressure of 2.5 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.
9.	Escape routes	Direction in which the students have to move in the event of an emergency have been indicated in the corridor on each floor during evacuation.	Complied
10.	Fire order (Fire safety plans)	Not displayed	A notice board has been indicated. Information should be taken by the employees in case of any emergency with the telephone number of Chintamani fire station i.e. 08154-250006 & 101, 550, 500 & 600 and the telephone number of fire service & Police station.
11.	No smoking board	Not displayed	COTPA Sec-4 directs No Smoking and smoking here is an offence board should be written in English & Kannada both languages shall be prominently displayed at inside the entry / exit of the each

Fire fighting training	Not imparted	At least 40% of the trained in basic fire fighting at R.A. Mundkur Fire and Academy, Bamertghatta road, Bangalore
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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 control 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 or outside.
- 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 11th of every year by conducting Fire Safety drills with co-ordinate with fire service department.

Under the above circumstance the Karnataka Fire & Emergency Services Department is issuing 'Fire Safety Recommendation' to Keerthana International Residential School situated at Goobalahalli Road, Kaiwara, Chintamani Taluk, Chikkaballapura District subject to condition and compliance of the above recommendations in column -3 of serial - B within 3 months and compliance to the undersigned.

This 'Fire Safety Recommendation' is issued for a period of only one year from the date of issue and 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

Yours faithfully