



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.204/CFO/BWZ/2021

07-04-2021

To,

*The Authorized Signatory,  
Katherine Public School,  
No. 87, Vidyanagar Cross,  
Bengaluru North.*

Sir,

Sub : Issue of 'Fire safety Recommendation' to *Katherine Public School,  
No. 87, Vidyanagar Cross, Bengaluru North.*

Ref: Your letter Dated 01-03-2021.

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With reference to the subject above cited, the premises of *Katherine Public School* situated at *No. 87, Vidyanagar Cross, Bengaluru North* was inspected by District Fire Officer, Yelahanka Fire Station on 03-04-2021 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under;

**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 Authorized Signatory, Katherine Public School, No. 87, Vidyanagar Cross, Bengaluru North.</i>
02.	Name and Address of the premises.	:	<i>Katherine Public School, No. 87, Vidyanagar Cross, Bengaluru North.</i>
03.	Name & address of the building owner	:	<i>Katherine Public School, No. 87, Vidyanagar Cross, Bengaluru North.</i>
04.	Number of buildings	:	One Building.




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**MANAGER**  
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05.	Number of floors	:	Basement, ground & 2 upper floors.
06.	<b><u>Floor-wise details of occupancy:-</u></b>		
	Basement floor	:	02 halls & 02 staff rooms (The basement floor should be kept exclusively for parking purpose)
	Ground floor	:	Reception, waiting lounge, principal chamber, vice principal chamber, sports room, 4 class rooms, biology lab, chemistry lab
	1 <sup>st</sup> floor	:	7 class rooms, physics lab, computer lab, library canceling room.
	2 <sup>nd</sup> floor	:	12 class rooms & staff room
07.	Height of the building	:	12.30 mtrs.
08.	Site area	:	4046.82 Sq. mtrs
09.	<b><u>Built-up area of each floor:-</u></b>		
	Basement floor	:	1201.49 Sq. mtrs
	Ground floor	:	1201.49 Sq. mtrs
	1 <sup>st</sup> floor	:	1201.49 Sq. mtrs
	2 <sup>nd</sup> floor	:	1201.49 Sq. mtrs
10.	<b>Total built-up area</b>	:	<b>405.96 Sq. mtrs</b>
11.	<b><u>Surrounding properties:-</u></b>		
	East	:	Applicant open land
	West	:	09.00 mtrs wide internal road which interns connected to 18.00 mtrs wide Vidyanagar cross to Uttanahalli road
	North	:	Applicant open land
	South	:	Open land
12.	<b>Set-backs area available</b>		
	East	:	01.90 mtrs
	West	:	07.10 mtrs
	North	:	Min 10.00 mtrs
	South	:	Min 10.00 mtrs

  
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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 09.00 mtrs wide internal road which inturns connected to 18.00 mtrs wide Vidyanagar cross to Uttanahali road	Adequate																					
02.	Number of entrances	One entry of 04.50 mtrs width has been provided.	The allowed entry should be extended to min 06.00 mtrs width for easy movement of emergency vehicles.																					
03.	Diesel generator	Not provided	Complied One adequate capacity of generator should be provided and it should be connected fixed fire fighting systems & other emergency provisions.																					
04.	Number of staircase	<table border="1"> <tr> <td>Nos. of staircases</td> <td>:</td> <td>02</td> </tr> <tr> <td>Width of staircases</td> <td>:</td> <td>01.50 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>12 No'</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>03.20 Mtrs</td> </tr> </table>	Nos. of staircases	:	02	Width of staircases	:	01.50 mtrs	Width of treads	:	30 Cms	Height of risers	:	15 Cms	Nos. of riser per flight	:	12 No'	Height of handrails	:	01.00 Mtrs	Head room clearance	:	03.20 Mtrs	Complied
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05.	Portable extinguishers	12 ABC type fire extinguishers, each of 2 kgs capacity and 02 ABC type fire extinguishers each of 5 kgs capacity has been provided.	A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing.																					

  
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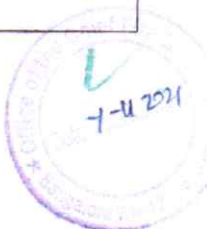
  
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			<p>B. One mechanical foam extinguisher of 9 ltrs capacity &amp; One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.</p> <p>C. One CO2 type fire extinguisher, of 4.5 kgs capacity should be provided near each electrical panel board &amp; electrical room.</p> <p>D. One ABC type fire extinguisher of 06 kgs capacity should be provided for every 100 should be provided.</p>
06.	Hose reel hose system	Not provided	<p><b>02 Hose Reel Hose near each staircase.</b></p> <p>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.</p>
07.	Terrace tank over respective tower terrace.	Not provided	<p>Each system should be connected to an over head tank of 15,000 ltrs capacity.</p>

  
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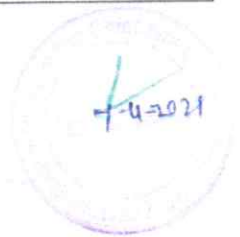
  
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08.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	Not provided	Each system should be connected to an booster pump of 900 LPM.  Further the system should be connected to an alternative source of power supply.
09.	Automatic sprinkler system	Not provided	Automatic sprinkler system with one sprinkler head for every 06.69 sq, mtrs should be provided basement parking area.
10.	Escape routes	Direction in which the students have to move in the event of an emergency has been displayed in the corridor on each floor during evacuation.	Complied
11.	Fire order (Fire safety plans)		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 Yelahanka fire station i.e 080 - 29733407 & 101, 550, 500 & 600 and the telephone number of nearest ambulance service & Police station.



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*Sr. Sushma*  
**MANAGER**  
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12.	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.
13.	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
14.	<p><b><u>Fire precautionary measures :-</u></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 combustibile 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 out side.</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>		

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Under the above circumstance the Karnataka Fire & Emergency Service Department is issuing 'Fire Safety Recommendation' to *Katherine Public School* situated at *No. 87, Vidyanagar Cross, Bengaluru North* 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 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 with mandatorily.

Yours faithfully

  
 Chief Fire Officer  
 Bangalore West, Sheshadri Road,  
 Highground Fire Station Premises,  
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