



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. 387/CFO-West/2020

B7 04-08-2020

To,

Smt. Sabitha Ramamurthy
The Principal,
CMR National Public School,
2nd main road, 3rd Block,
HRBR layout, Bengaluru-560084

Sir,

Sub : Issue of Fire Safety Recommendation for “CMR National Public School, 2nd main road, 3rd Block, HRBR layout, Bengaluru.

Ref : Your letter dated 23-06-2020.

* * * * *

With reference to the subject above cited, the premises of CMR National Public School, 2nd main road, HRBR layout, Bengaluru was inspected by the District Fire Officer, Banasawadi on 30-07-2020 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

“B1 & B2- Schools upto senior secondary level and other institutions”
NBC-2016, Part-4, Table 7(11) 3.1.3 Group ‘B’ Educational Buildings
(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 :-

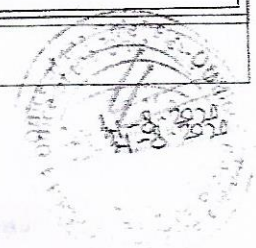
01	Name and Address of the Applicant.	Smt. Sabitha Ramamurthy The Principal, <u>CMR National Public School,</u> 2 nd main road, 3 rd Block, HRBR layout, Bengaluru-560084
----	------------------------------------	--



* Saha by.



02	Name and Address of the premises.	<u>CMR National Public School,</u> 2 nd main road, 3 rd Block, HRBR layout, Bengaluru-560084
03	Name and address of the Building owner	Smt. Sabitha Ramamurthy <u>CMR National Public School,</u> 2 nd main road, 3 rd Block, HRBR layout, Bengaluru-560084
04	Number of building	02 Blocks
05	Number of floors	Block A Basement + Ground + 04 Upper Floors. Block B Basement + Ground + 04 Upper Floors.
06	<u>Floor-wise details of occupancy:-</u>	
	<u>Block A</u>	
	Basement	03 Class room, 01 Staff room, 01 Store room
	Ground Floor	16 Class room, 01 Staff room, 01 Reception, 02 Meeting room.
	1 st Floor	20 Class room, 01 Staff room.
	2 nd Floor	17 Class room, 01 Store room, 01 Library.
	3 rd Floor	16 Class room, 01 Chemistry lab, 01 Computer lab
	4 th Floor	01 Auditorium, 05 Class room, 01 Chemistry lab, 01 Biology lab, 01 Physics lab.
	<u>Block B</u>	
	Basement	04 Class room, 01 Electrical Panel room, 01 Store room
	Ground Floor	01 Reception, 01 Office.
	1 st Floor	07 Class room.
	2 nd Floor	05 Class room.
	3 rd Floor	06 Class room.
	4 th Floor	06 Class room.
	4 th Floor	06 Class room.



07.	<u>Surrounding properties:-</u>	
	Block A	East (Rear) Road
		West (front) CMR School road
		North (Side) Residential building
		South (Side) Residential building
	Block B	East (Front) CMR School road
		West (rear) Residential Apartment
		North (Side) Residential building
		South (Side) Residential building
08.	<u>Set-back area available around the building :-</u>	
	Block A	
		East (Rear) Nil
		West (front) 2.70 Mtrs
		North (Side) 2.70 Mtrs.
		South (Side) Nil.
	Block B	
		East (Front) Nil
		West (rear) 1.20 Mtrs
		North (Side) 12.70 Mtrs.
		South (Side) Nil.



Salim kg



B. On inspection of this Educational 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 abutting 8.50 Mtrs. Wide road located on Western side. & it is hardened to carry the weight of 45,000 Kgs.		Complied
02.	No. of entrances & Exits	Block - A Provided 03 entrances cum exits Block - B Provided 03 entrance cum exits		Complied
03.	Width of entry / exit	Block - A Provided 02 entrance cum exits of 3.65 Mtrs & 4.60 Mtrs width on Western side of the building & 01 entrance cum of 7.00 Mtrs width on Eastern side of the building Block - B Provided 03 entrance cum exits of 6.35 Mtrs, 4.60 Mtrs & 01.60 mtrs width on Eastern side of the building.		Complied
04.	Diesel generators.	One DG of 125 KVA Capacity has been provided.		The existing generator should be connected to alternative power supply to all emergency provision.
05.	No. of staircases available	Nos. of staircases	Block A Provided 06 Staircase.	Complied
		Block A1st Staircase		
		Width of staircase	1.70 Mtrs	
		Width of treads	30 cm	
		Height of risers	13 cm	
		Nos. of riser per flight	08 No's	
		Height of handrails	0.95 Mtrs	



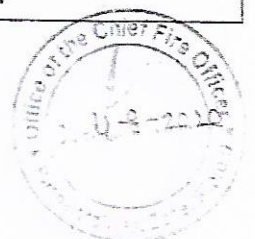
		2 nd , 3 rd , 4 th Staircase Width of staircase	1.50 Mtrs		
		Width of treads	28 cm		
		Height of risers	14 cm		
		Nos. of riser per flight	10 No's		
		Height of handrails	0.95 Mtrs		
		5 th Staircase Width of staircase	1.10 Mtrs		
		Width of treads	32 cm		
		Height of risers	14 cm		
		Nos. of riser per flight	11 No's		
		Height of handrails	1.00 Mtrs		
		6 th Staircase (Connected from ground floor to 1 st floor only) Width of staircase	1.40 Mtrs		
		Width of treads	32 cm		
		Height of risers	14 cm		
		Nos. of riser per flight	10 No's		
		Height of handrails	1.00 Mtrs		
		Block B - 01 Staircase			Required to provide one more staircase of 01.50 mtrs width. Hence the requirement is not complied with.
		Width of staircase	1.40 Mtrs		
		Width of treads	30 cm		
		Height of risers	14 cm		
		Nos. of riser per flight	09 No's		
Height of handrails	0.80 Mtrs				



Sulika Wj



06.	No. lifts and capacity.	Nos. of lifts	01 Passengers lift provided at Block A	Complied
		Capacity of lifts	10 Person's capacity.	
07.	Fire extinguisher	Provided 17 no's of ABC extinguishers each of 04 kgs capacity & 15 no's of ABC extinguishers each of 02 kgs capacity at Block A		<p>a. One water mist CAFS type extinguisher of 9 ltrs capacity should kept near each staircase landing.</p> <p>b. Required to provide suitable type portable fire extinguishers at Block B (For every 100 Sq mtrs installed one ABC Fire Extinguisher)</p>
08.	First aid Hose reel hose.	<p>Block A Provided Hose reel hose of minimum 12 mm size and of adequate length to reach the farthest point of the each floor should be provide with a shut off branch having a nozzle of 5 mm size. The hose reel hose connected at each landing by means of an adaptor.</p>		Complied
		<p>Block - B Not provided</p>		<p>Required to provide Hose reel hose of minimum 12 mm size and of adequate length to reach the farthest point of the each floor should be provide with a shut off branch having a nozzle of 5 mm size. The hose reel hose connected at each landing by means of an adaptor.</p>



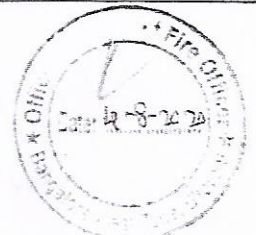
09.	Automatic sprinkler system.	Not Provided	Automatic sprinkler system with one sprinkler head for every 6.69 Sq. mtrs should be provided in each basement of Block A & B.
10.	Public Address System	Block A Public address system with two way communication facility provided at each floor near to staircase landing with its console at the control room, located on the ground floor.	Complied
		Block - B Not provided	Public address system with two way communication facility should be provided at each floor near to staircase landing with its console at the control room, located on the ground floor.
10.	Terrace tank over respective tower terrace.	Block A Provided 01 No's of Syntax of 5000 ltrs capacity & 03 No's of Syntax each of 3000 ltrs capacity for fire fighting.	The system should be connected 15,000 ltrs capacity. Further the tank should be connected to fire fighting purpose.
		Block - B Not provided	Required to provide terrace tank of 15,000 ltr capacity of storage for Fire fighting



Salik by -



11.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Block A Provided Booster pump of capacity 450 LPM	In addition of exiting pump the system should be connected at booster pump of 450 LPM capacity.
		Block - B Not provided	Required to provide 01 Booster pump of 900 ltrs per minute capacity.
12.	Escape routes	Not Marked in Both Blocks	Direction in which the inmates to move in the event of any emergency having to be indicated in the corridor/ passage on each floor to guide the evacuation. It is written in luminous paint.
13.	Fire order	Not Displayed on Both Blocks	A fire safety plan for preventing and extinguishing any fire accident in the building and action to be taken by the occupants in case of fire shall be prepared in advance. The fire safety plan contain the telephone numbers of the nearest fire control i.e.101, 22971500, 22971550, 22971600. and displayed on every floor.



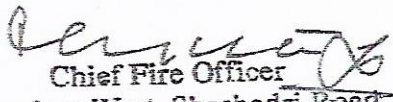
14.	Fire fighting training	20 employees got training in basic fire fighting course at our R. A. Mundkur Fire and Emergency Services Training Academy, Bannerughatta Road, Bangalore-29.	Complied
-----	------------------------	--	----------

Under the above circumstance the Karnataka Fire & Emergency Service Department is issuing 'Fire Safety Recommendation' to CMR National Public School, 2nd main road, HRBR layout, Bengaluru 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 the period of 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, Sheshadri Road,
 Highground Fire Station & Offices.
 Bangalore - 560 009.



Sawh by