

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.342/CFO/BWZ/2019

20-06-2019

To,

*The Chairman,
National Public School,
Sy. No. 845/5, Hunasikatti road,
Ranebennur Town & Taluk,
Haveri District.*

Sir,

Sub : Issue of 'Fire safety Recommendation' to *National Public School,
Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk,
Haveri District.*

Ref: Your letter Dated 12-06-2019.

* * * * *

With reference to the subject above cited, the premises of *National Public School*, situated at *Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk, Haveri District* was inspected by Regional Fire Officer, Davanagere Range on 16-06-2019 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 Chairman, National Public School, Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk, Haveri District.</i>
02.	Name and Address of the premises.	:	<i>National Public School, Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk, Haveri District.</i>



03.	Name & address of the building owner	:	<i>The Chairman, National Public School, Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk, Haveri</i>
04.	Number of buildings	:	One building
05.	Number of floors	:	Ground & 2 upper floors.
06.	<u>Floor-wise details of occupancy:-</u>		
	Ground floor	:	Management room, principal chamber, officer room, staff room, 14 class rooms, store room & toilets.
	1 st floor	:	15 class rooms, lab, staff room, library, store room & toilets.
	2 nd floor	:	15 class rooms, labs, store & toilets.
07.	Height of the building	:	12.30 mtrs.
08.	Site area	:	3996.14 Sq. mtrs
09.	<u>Built-up area of each floor:-</u>		
	Ground floor to 2 nd floor (1634.74 Sq. mtrs on each floor X 3 floors)	:	4904.22 Sq. mtrs
10.	Total built-up area	:	4904.22 Sq. Mtrs.
11.	<u>Surrounding properties:-</u>		
	North – west (front)	:	Private property (educational building)
	South – east (rear)	:	Open land (residential layout)
	North – east (side)	:	09.00 mtrs wide layout road & then open land (residential layout).
	South – west (side)	:	12.00 mtrs wide Ranebennur town to Hunasikatti village road & then open land (residential layout).
12.	<u>Open space all around the building:-</u>		
	North – west (front)	:	Min 30.00 mtrs
	South – east (rear)	:	Min 02.70 mtrs.
	North – east (side)	:	Min 26.00 mtrs.
	South – west (side)	:	Min 06.20 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 Ranebennur town to Hunasikatti village road on south – west side of the premises & 09.00 mtrs wide layout road on South – east side of the building. Both the roads area hardened to carry the weight of 45,000 kgs.			Adequate
02.	Number of entrances	02 entrances, each of 08.00 mtrs width, one from 12.00 mtrs width from Ranbennur town to Hunasikatti village road from South – west corner & another one from 09.00 mtrs wide layout road on south – east side of the building			Complied.
03.	Diesel generator	Not provided			Complied One adequate capacity of generator should be provided & it should be connected fixed fire fighting systems & other emergency provisions.
04.	Number of staircase	Nos. of staircases	:	02	Complied
		Width of staircases	:	Each of 01.50 mtrs	
		Width of treads	:	30 Cms	
		Height of risers	:	15 Cms	
		Nos. of riser per flight	:	11 No'	
		Height of handrails	:	01.00 Mtrs	
		Head room clearance	:	03.60 Mtrs	



05.	Portable extinguishers	<table><tr><th colspan="5">Provided as below</th></tr><tr><th>Floor</th><th>ABC 6 kgs</th><th>CO2 4.5 kgs</th><th>DCP 6 kgs</th><th>DCP 4 kgs</th></tr><tr><td>G floor</td><td>05</td><td>05</td><td>04</td><td>03</td></tr><tr><td>1st floor</td><td>05</td><td>04</td><td>03</td><td>03</td></tr><tr><td>2nd floor</td><td>06</td><td>04</td><td>04</td><td>04</td></tr></table>	Provided as below					Floor	ABC 6 kgs	CO2 4.5 kgs	DCP 6 kgs	DCP 4 kgs	G floor	05	05	04	03	1 st floor	05	04	03	03	2 nd floor	06	04	04	04	In-additional to the existing fire extinguishers A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing. B. One mechanical foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator.
Provided as below																												
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G floor	05	05	04	03																								
1 st floor	05	04	03	03																								
2 nd floor	06	04	04	04																								
06.	Hose reel hose system	Not provided		02 Hose Reel Hose near each staircase (One in each block). 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.																								
07.	Terrace tank over respective tower terrace.	Not provided		Each system should be connected to an over head tank of 10,000 ltrs capacity.																								
08.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided		Each system should be connected to an booster pump of 450 LPM. Further the system should be connected to an alternative source of power supply.																								



09.	Escape routes	Direction in which the students have to move in the event of an emergency have been displayed in the corridor on each floor during evacuation.	Complied
10.	Fire order (Fire safety plans)	A notice board Have been indicated the action should be taken by the employees in case of any emergency have been displayed with the telephone number of Sunkadakatte fire station i.080-28434101 & 101, 550, 500 & 600 and the telephone number of nearest ambulance service & Police station.	, Complied
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 *National Public School*, situated at *Sy. No. 845/5, Hunasikatti road, Ranebennur Town & Taluk, Haveri District* subject to condition and compliance of the above recommendations in column -4 of serial - B within 3 months and compliance to the undersigned. After compliance of the above recommendation the ***Compliance Report*** will be issue for a period of one year from the date of issue of this report & 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 Premises,
Bangalore - 560 009.