

Office of the District Fire Officer
Karnataka State Fire
and Emergency Services
Khanapur Road, Belagavi-590001



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C.NO/244/FSR/DFO/BELAGAVI/2024

Date : 19-09-2024

To,
The Principal
Kalpavruksha Model School,
Alankar Nagar, Murgod Road,
Bailhongal, Bailhongal Taluk,
Belagavi District.

Sir,

Sub: Issue of Fire Safety Recommendations to Shri A.V. Dhammanagi Vision Foundation's, Kalpavruksha Model School, Alankar Nagar, Murgod Road, Bailhongal, Bailhongal Taluk, Belagavi District.

Ref:- C.NO/09/FSO/Bailhongal/2024 Date: 12-09-2024.

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With reference to the subject above cited, the premises of Shri A.V. Dhammanagi Vision Foundation's, Kalpavruksha Model School, building consisting with Basement, Ground Floor & 3 Upper floors situated at Alankar Nagar, Murgod Road, Bailhongal, Bailhongal Taluk, Belagavi District. was inspected by Fire Station Officer Bailhongal On 12-09-2024 with respect to fire Prevention, Fire fighting and Evacuation measures in the above premises and has submitted the details as under.

ANNEXURE-1

(Up to 14.99 mtrs. In height)

"GROUP-B Educational Buildings

NBC-2016, Part-4, Table 7 (II) 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 Principal Kalpavruksha Model School, Alankar Nagar, Murgod Road, Bailhongal, Bailhongal Taluk, Belagavi District.
02	Name and Address of the Premises	Shri A.V. Dhammanagi Vision Foundation's Kalpavruksha Model School, Alankar Nagar, Murgod Road, Bailhongal, Bailhongal Taluk, Belagavi District.
03.	Name and Address of the Building Owner	The President, Kalpavruksha Model School, Bailhongal.
04.	Number of Building	01 Building
05.	Number of Floors	Basement, Ground Floor & 03 Upper Floors
06.	Floor-wise details of Occupancy:-	
	Basement	Store Room
	Ground Floor	Principal Cabin-01, Staff Room-02, Class Room-11, Store Room-01, Medical Room-01 & Exam Room-01
	1 st Floor	Server Room-01, A.V Room-01, Coordinator Room-01, Class Room-15, Computer Room-01 & Library-01.

	2 nd Floor	Staff Room-01, Coordinator Room-01, Class Room-12, Bio Lab-01, Chemistry Lab-01, Physics Lab-01 & Library-01.
	3 rd Floor	Class Room-08, Atalthinking Room-02 & Staff Room-02.
07.	Height of the building	14.24 mtr
08.	Site area	06 Acre
09.	Built-up area of each floor:-	
	Basement	1100.19 Sq Mtr
	Ground Floor	1205.19 Sq Mtr
	1 st Floor	1210.80 Sq Mtr
	2 nd Floor	1210.80 Sq Mtr
	3 rd Floor	1210.80 Sq Mtr
10.	Total Built-up area	4837.59 Sq Mtr
11.	Surrounding properties:-	
	East	Agriculture Land
	West	Agriculture Land
	North	Agriculture Land
	South	Agriculture Land
12.	Open Space all around the building	
	East	06.50 Mtr
	West	06.00 Mtr
	North	14.00 Mtr
	South	03.00 Mtr
Allowed Setbacks (open space) should be maintained free from further obstruction/construction.		

B. On the inspection of this School/College premises, the following Fire Prevention, Fire Fighting and Evacuation Measures recommended are considered absolutely essential from fire safety point of view:-

SNo (01)	Details (02)	Existing (03)			Recommendations (04)
01.	Accessibility to the premises	The premises is accessible from 10.00 mtr wide road on Western side.			--
02.	Number of Entrances	01 No. of 09.00 mtr wide on Western side.			--
03	Number of Staircase	No of staircase	03 Nos.		Staircase Should be clear from any Obstructions.
		Width of the staircase	1.80 Mtr	1.80 Mtr	
		Width of threads	0.30 Mtr	0.30 Mtr	
		Height of risers	0.18 Mtr	0.18 Mtr	
		No of risers per flight	20	20	
		Height of the hand drill.	01.00 Mtr	01.00 Mtr	
04.	Portable Extinguishers	08 Nos. of 4 Kg Capacity ABC Type Fire Extinguishers provided.			A. One CO2 type fire extinguisher of 4.5 kgs capacity should be provided near each electrical panel board & electrical room. B. One mechanical foam extinguisher of 09 ltr capacity & one ABC type extinguisher of 06 kgs capacity should

Signature

			be provided near the diesel generator. C. One DCP extinguisher of 04 kg capacity should be provided in the kitchen if provided for the purpose of Mid-Day Meal. D. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15. Mtr radius. E. All the extinguishers suggested above should be with BIS markings and should be located at an easily accessible position without obstructing the normal passage and maintained periodically.
05	Hose reel hose system	Not Provided	One Hose reel hose near the staircase (One hose reel hose system for every 1000 sq.mtrs) . The hose reel hose of min 19 mm size and of 30 mtrs length shall be provided to reach the farthest point of each floor and shut off branch having a nozzle of 05 mm size. The hose reel hose should be connected at each landing.
06.	At the terrace tank level with minimum pressure of 3.5 kg/cm ²	Not Provided	The system should be connected to an booster pump of 450 LPM or of 5 HP capacity. Further the system should be connected to an alternative source of power supply.
07.	Diesel Generator	Not Provided	Diesel generator of 15 KVA capacity should be provided to supply alternative power supply.
08.	Terrace Tank	02 Nos. each of 5000 Ltr capacity overhead tank provided.	The system should be connected to an over head tank of 5000 ltrs capacity further if basement is provided the tank capacity shall be increased to 10,000ltrs capacity.(The water tank should be kept exclusively for fire fighting purpose.) Note: if the existing building is not capable of sustaining the weight of 5,000/10,000 ltrs tank capacity provision shall be made to provide water tank on the side of the building with support from ground level by providing RCC column structure or MS column structure. If there is no option to provide even the above mentioned overhead tank provision shall be made to provide underground water tank of capacity with submersible pump of 5-7 IIP capacity.
09.	Escape routes	Not marked	Direction in which the inmates should have to move in the event of emergency have to be indicated in the

			corridor/passageway as a guide during evacuation. The marking should be in luminous point.
10.	Fire Order (Fire safety plans)	Not marked	A notice board indicating the action to be taken by the employees in case of any emergency should be displayed along with the telephone numbers of Bailhongal Fire station i.e 08288-233100 & 101, 22971550, 22971500 & 22971600 the telephone nos nearest ambulance services and police station.
11.	No Smoking board	Not Displayed	COPTA Sec-4 direction of No Smoking area, smoking here is an offence board should be written in the English & Kannada both languages shall be prominently displayed at inside the entry/exit of the each floor.
12.	Fire Siren	Not Installed	A Fire Siren shall be installed in the premises to inform the inmates in case of a fire emergency and evacuate the area.
13.	Nominate One Fire Nodal Officer	Not Nominated	A Fire Nodal Officer shall be nominated either from teaching or non teaching staff.
14.	Fire Fighting Training	Not Imparted	At least 40% of the employee/staff should be got trained in basic fire fighting at R.A.Mundkur Fire & Emergency Services Academy, Bannerughatta Road, Bangalore Regional Fire Officer Range level.
15.	<u>Fire Precautionary Measures</u> <i>A :- Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area class rooms, laboratory and electrical sum panel premises.</i> <i>B :- Accumulation of combustible waste in and around the premises should be avoided.</i> <i>C :- The Exit ways shall be always kept clear without any obstruction.</i> <i>D :- Liquefied petroleum gas should not be stored in the building.</i> <i>E :- The doors shall not be kept locked/ latched during working hours and shall be free from obstruction.</i> <i>F :- During the class hours the class room door shall not be locked from inside to outside.</i> <i>G :- As per Honorable Supreme Court order all teachers and staff 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-ordination with the fire services department.</i>		

Under the above circumstance the Karnataka Fire & Emergency Services Department is issuing Fire Safety Recommendations to Shri A.V. Dhammanagi Vision Foundation's, Kalpavruksha Model School, Alankar Nagar, Murgod Road, Bailhongal, Bailhongal Taluk, Belagavi District. subjected to condition and compliance of the above recommendations in column-4 of serial-B within 03 months and compliance to the undersigned.

This Fire Safety Recommendation is valid for only one year from the date of issue and is renewable.

[Signature]
PRINCIPAL

KALPAVRUKSHA MODEL SCHOOL

Copy to,
Fire Station Officer, Bailhongal.



Yours Faithfully

[Signature]
District Fire Officer

Karnataka State Fire And Emergency Services
Belagavi-01.