



GOVERNMENT OF KARNATAKA

Office of the District Fire Officer
Karnataka State Fire and Emergency Services
HUBBALLI-580025.

C.NO:31/ADV/DFO/AMR-HUBLI/2024.

Dt: Date: 25-09-2024

To,
The Chairman,
Vishwachetan Foundation's,
Group of Institutions,
Sy no 22/2B, Gayatri Nagar,
Sharewad Road, Pale village.
Hubballi-580 028.

Sir,

Sub: Issue of Revised '**Fire safety recommendation/Advice**' to Vishwachetan Foundation's, Group of Institutions, Sy no 22/2B, Gayatri Nagar, Sharewad road, Pale village, Hubballi-580 028, Dharwad District.

Ref: 1) Request Letter Dated: 19-09-2024.
2) No.GBC (2)044/2020-21 dated 21/06/2022 S.O No.156-B.

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With reference to the subject above cited, the premises of "**Vishwachetan Foundation's, Group of Institutions**" building consisting with Lower Ground + Ground floors situated at Servey no 22/2B, Gyatri Nagar, Sharewad road, Pale village, Tq: Hubballi, Dharwad Dist-580 028. Inspected by me on 24/09/2024 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-1

(Up to 14.99 mtrs. in height)

Group B Education Building

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 :-

1.	Name and Address of the Applicant.	Chairman, Vishwachetan Foundation's, Group of Institutions, : Sy no 22/2B, Gayatri Nagar, Sharewad road, Pale village, Tq: Hubballi. Dist: Dharwad. Pin: 580 028.
2.	Name and Address of the premises.	Vishwachetan Foundation's, Group of Institutions, : Sy no 22/2B, Gayatri Nagar, Sharewad road, Pale village, Tq: Hubballi. Dist: Dharwad. Pin: 580 028.



3.	Name and Address of the building owner.	:	Vishwachetan Foundation's, Group of Institutions, Sy no 22/2B, Gayatri Nagar, Sharewad road, Pale village, Tq: Hubballi. Dist: Dharwad. Pin: 580 028.
4.	Number of buildings	:	Only one building.
5.	Number of floors	:	Lower Ground + Ground floor only
6.	<u>Floor-wise details of occupancy:-</u>		
	Lower Ground floor	:	Class rooms-03, Toilet-1, Canteen-1, Laboratory-6, Store room-2, HOD room-1, Power room-1.
	Ground floor	:	Class rooms-12, Library-1, staff room-1, Ladies room-1, Toilet-1, HOD room-2, Generator room-1, Computer lab-1, Server room-1, Office room-1, Principal room-1, Strong room-1, waiting hall-1, Sports room-1.
7.	Height of the building	:	08.30 mtrs
8.	Site area	:	5 Acre
9.	Built-up area of each floor:-		
	Lower Ground floor	:	1228.47 sq.mtrs
	Ground floor	:	2498.63 sq.mtrs
10.	Total built-up area	:	3727.10 sq.mtrs
11.	Surrounding properties:		
	East(R)	:	Agriculture land
	West(F)	:	Agriculture land
	North(S)	:	09.00 mtr wide road.
	South(S)	:	Agriculture land
12.	Set-back area available around the building :		
	East(R)	:	20.00 mtrs
	West(F)	:	20.00 mtrs
	North(S)	:	25.00 mtrs
	South(S)	:	00.00 mtrs
Allowed setback (open space) should be maintained free from further obstruction /construction for easy movement of emergency vehicles.			

Note: Recommended to provide and maintain setbacks as per Local ZR.

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:



S.No (1)	Details (02)	Existing (03)	Recommendations (04)	
1.	Accessibility to the premises	The Premises is abutting 09.00 Mtrs wide public road on northern side of the premises. The road is hardened to carry the Weight of 45,000 Kg's.	Adequate	
2.	No. of entrances	Provided 02 entrance of 05.00 mtrs width of gate from the 09.00 mtrs wide public road on northern side of the premises.	Adequate	
3.	Diesel Generators.	Provided 01 no. Of Diesel Generator of 62.5 KVA capacity.	Adequate	
4.	Staircase	Nos. Of Staircases	01	Recommended to provide another one staircase maintaining travel distance with 22.50 mtrs. With minimum 02.00 mtrs width, 20 mm threads width, 15 mm threads height, 01.00 mtrs handrail, with minimum 02.20 head room clearance.
Width Of Staircases		2.40 mtrs		
Width Of Treads		22.02 cms		
Height Of Risers		15.24 cms		
Nos. Of Riser Per Flight		11 nos		
Height Of Handrails		0.6 mtrs		
Head Room Clearance		3.20 mts		
5.	Portable Fire extinguishers	Provided 13 no. of ABC fire extinguishers of 04 kg capacity.	1) One water mist extinguisher of 9 ltr capacity should kept near each staircase landing. 2) One mechanic foam extinguisher of 9 ltrs capacity & One ABC type extinguisher of 6 kgs capacity should be provided near diesel generator. 3) 01 No CO ₂ fire extinguisher of 4.5 kg capacity should be provided near each electrical panel board and electrical room. 4) 01 ABC extinguishers of 04 kg capacity should be provided in the kitchen. (If provide for the purpose of MID-DAY meal) 5) One ABC type fire extinguishers of 4 kg capacity should be located as to be available within 15 mtrs radius 6) All the extinguishers suggested above should be with BIS marking and should be located at an easily accessible position without obstructing the normal passage and maintained periodically.	



6.	Hose reel hose system	Not Provided	Recommended to provide 02 no's of Hose reel hose system near the stair case (one hose reel hose system for every 1000 sq.mtrs) the hose reel hose is of minimum 19 mm dia and of 30 mtr length shall be provided to reach the farthest point of each floor and shut off branch having a nozzle of 5 mm size. The hose reel hose should be connected at each landing.
7.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	--	The system should be connected to an booster pump of 450 LPM of of additional 5 HP capacity. Further the system should be connected to an alternative source of power supply.
8.	Terrace tank	Provided 02 no. Of syntax tank capacity of each 1000 ltr total 2000 ltr capacity in terrace.	The system should be connected to an over head tank of 5,000 ltr capacity and further if basement is provided the tank capacity shall be increased to 10,000 ltrs capacity. (The water tank should be kept exclusively fire fight purpose) Note: If the existing building is not capable of sustaining the weight of 5000/10000 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 HP capacity.



9.	Escape routes	Not Marked	Recommended to provide Direction in which the inmates should have to move in the event of an emergency have to be indicated in the corridor / passage as a guide during evacuation. These shall be marked with luminous / auto glow paint directing to the occupants towards the emergency exits.
10.	Fire order (Fire safety plans)	Displayed	Instructed them to display notice board written in bold letters indicating the action to be taken by the Occupants in case of any emergency should be displayed along with the Telephone number of Hubballi city fire station i.e. 0836-2240789 and 101,112, 080-22971550, 22971500, 22971600 and the telephone number of nearest ambulance service and Police Station.
11.	No Smoking Board	Displayed	Complied.
12.	Fire Siren	Not installed	A Fire siren shall be installed in the premises to inform the inmates/students in case of a fire emergency and evacuate the area.
13.	Nominate One fire nodal officer	Not Appointed	A fire nodal officer Should be nominated either from teaching or non-teaching staff.
14.	Fire fighting training	Not Imparted	At-least 40% of Teaching and non Teaching staff should be trained in basic fire fighting at R.A.Mundkur Fire and Emergency Services Academy, Bannerghatta Road, Bangalore-29 or Regional Training Centre.

Fire precautionary measures:-

- Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory & electrical sum panel premises.
- Accumulation of combustile 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 outside.

As per Honorable 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 and Emergency Service Department is issuing of Revised **Fire Safety Recommendation** to **"Vishwachetan Foundation's, Group on Institutions"** situated at **Servey no 22/2B, Gayatri Nagar, Sharewad road, Pale village, Tq: Hubballi, Dharwad Dist-580 028.** Subject to condition and compliance of the above recommendations in column 4 of serial B within 03 months compliance to the undersigned.


♣ All requirements recommended above are as per National Building Code-2016 Part-4 clause 3.1.4 of Fire and Life safety will have to be complied with mandatorily.

From the above details it is clear that the '**Management**' of the above Educational building have been recommended to provide fire precautionary measures as per **National Building Code 2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings Sub division B1 & B2.** After full-filling the above recommendations, a Certificate should be obtained by this office. *If at any time any of the conditions are found not complied with, this Certificate shall stand withdrawn/cancelled.*

The Revised **Fire Safety Recommendation** is valid for a period of **one year** from the date of issue and it is not renewable.



Yours faithfully


DISTRICT FIRE OFFICER
Karnataka State Fire
and Emergency Services
Fire Station, HUBBALLI-25.