

No.95/FSR/CFO/MD/2012

Dated: 16-03-2022

To

The Principal,
B.G.S. Educational Centre,
Gandhinagar, Kavoor,
Mangaluru-575015.

Sir,

Sub: Issue of 'Fire safety recommendation' to B.G.S. Education Centre, building constructed at Sy.No.81/2A(4) & 81/2A(3), Kavoor Village, Gandhinagar, Mangalore Taluk, Dakshina Kannada District.

Ref: Your letter dated 08-02-2022.

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With reference to the subject above cited the premises of B.G.S. Education Centre, building constructed at Sy.No.81/2A(4) & 81/2A(3), Kavoor Village, Gandhinagar, Mangaluru Taluk, Dakshina Kannada District was inspected by me on 05-03-2022 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

A. Details of the building / premises :-

- | | | |
|-----|---|---|
| 01. | Name and Address of the Applicant. | : The Principal,
B.G.S. Educational Centre,
Gandhinagar, Kavoor,
Mangaluru-575015. |
| 02. | Name and Address of the premises. | : Sy.No.81/2A(4) & 81/2A(3),
Kavoor Village,
Gandhinagar,
Mangaluru Taluk,
Dakshina Kannada District-575015. |
| 03. | Name and address of the Building owner | : Sri. Adichunchanagiri Shikshana Trust (R),
B.G.S. Educational Centre,
Gandhinagar, Kavoor,
Mangaluru-575015. |
| 04. | Number of buildings | : One - |
| 05. | Number of floors | : Basement, Ground floor and 2 Upper floors. |
| 06. | <u>Floor-wise details of occupancy:-</u> | |
| | Basement | : 9 class rooms & staff room. |
| | Ground floor | : Staff room, computer room, office room,
principal room, fine art room, library, P.T.
room, sports room & class room |



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- 1st floor : Staff room & 7 class rooms
- 2nd floor : Laboratory, staff room & 4 class rooms.
- 07. Height of the building : 10.00 mtrs.
- 08. Site area : 4,006.33 Sq.mtrs.
- 09. Built-up area of each floor:-
 - Basement : 595.67 Sq.mtrs.
 - Ground floor : 595.67 Sq.mtrs.
 - 1st floor : 595.67 Sq.mtrs.
 - 2nd floor : 595.67 Sq.mtrs.
- 10. Total built-up area : 2,382.68 Sq.mtrs.
- 11. Surrounding properties:-
 - South (Front) : 18.50 mtrs. wide Kulur – Kavoor main road
 - North (Rear) : Residential houses
 - East (Side) : Vacant land
 - West (Side) : Residential houses.
- 12. **Open space available around the building :-**
 - South (Front) : 27.50 mtrs.
 - North (Rear) : 02.00 mtrs.
 - East (Side) : 03.80 mtrs.
 - West (Side) : 02.00 mtrs.

Allowed setbacks (open space) should be maintained free from further obstruction/ construction.

B. On 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 :-

Sl. No. (1)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the Premises	The premises abuts 18.50 mtrs. wide Kulur – Kavoor main road , located on the southern side and the road is hardened to carry the weight of 45,000 kgs.	No remarks.
02.	Number of entrances	Provided one entrance of 05.10 mtrs width	Complied



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(01)	(02)	(03)	(04)
03.	Number of staircase	No. of staircases : Two Width of staircases : Each of 01.20 mtrs. Width of treads : 0.30 mtr Height of risers : 0.15 mtr No. of risers per flight : 10 flight Height of handrails : 01.00 mtr	Complied
04.	Portable extinguishers	Provided 2 Nos. ABC extinguisher of 6 kgs. capacity	<p>A. One water mist extinguisher of 9 ltrs capacity should kept near each staircase landing.</p> <p>B. One mechanical foam extinguisher of 9 ltrs capacity & 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 & electrical room.</p> <p>D. One ABC type fire extinguisher of 06 kgs capacity should be located as to be available within 15 mtrs. radius.</p>
05.	Hose reel hose system	Provided one hose reel hose system but not working.	One Hose Reel Hose near the staircase (One hose reel hose system for every 1000 Sq. mtrs). should be provided. The hose reel hose of min 19 mm size and of 30.00 mtrs length shall be provided to reach the farthest point of each floor and shut off branch having a nozzle of 5mm size.



(01)	(02)	(03)	(04)
06.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Not provided	<p>The hose reel hose should be connected at each landing.</p> <p>The system should be connected to an booster pump of 450 LPM or of 5 HP capacity.</p> <p>Further the system should be connected to an alternative source of power supply.</p>
07	Diesel generator	Provided one diesel generator of 20 KVA capacity	<p>Diesel generator should be connected to the staircase lighting, corridor lighting and fire fighting system.</p> <p>The system should be connected to an over head tank of 5,000 ltrs capacity.</p> <p>(The water tank should be kept exclusively fire fight purpose)</p>
08.	Terrace tank	Not provided	<p>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.</p> <p>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.</p> <p>Direction in which the students have to move in the event of an emergency should be displayed in the corridor on each floor during evacuation.</p>
09	Escape routes	Not marked	



(01)	(02)	(03)	(04)
10.	Fire order (Fire safety plans)	Not displayed	A notice board indicating the action to be taken by the employees in case of any emergency should be displayed along with the telephone number of nearest fire station Kundapura Fire Station i.e. 101, 112 & 08254-230724 and the telephone number of nearest ambulance service & Police station.
11.	No smoking board	Not displayed	COTPA Sec-4 direction 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 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	--	A fire nodal officer shall 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 got trained in basic fire fighting at the Karnataka Fire and Emergency Services, Chief Fire officer's Office, Pandeshwara, Mangaluru - 575 001 or at the R.A. Mundkur Fire and Emergency Services Academy, Bannerughatta road, Bangalore/ Regional Fire Officer, Range level.

Chief Fire Officer
 Karnataka Fire and Emergency Services
 Mangaluru

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15. **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 combustible waste in and around the premises should be avoided.
 - The exit ways shall be always kept clear without any obstruction.
 - Liquefied petroleum gas should not be stored in the building.
 - The doors shall not be kept locked / latched during working hours and shall be free from obstruction.
 - During the class hours the class room doors shall not be locked from inside to out side.
 - 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 B.G.S. Education Centre, building constructed at Sy.No.81/2A(4) & 81/2A(3), Kavoov Village, Gandhinagar, Mangaluru Taluk, Dakshina Kannada District subject to condition and compliance of the above recommendations in column -4 of serial – B within 3 months and compliance to the undersigned. The applicant has remitted Rs.20,000-00 (Rupees twenty thousand only) vide challan No. 104910333 dated 10-03-2022 at SBI, Mangaluru Lalbaugh being the Advise fees.

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



Yours faithfully

[Signature] 16/3/22
Chief Fire Officer
 Karnataka State Fire & Emergency Services
 Mangalore

Copy to:-

- The Block Education Officer, Managaluru North Range, Balmatta, Mangaluru.
- The Deputy Director (FP), Karnataka Fire & Emergency Services, Bengaluru.

[Signature]

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