

No.34/FSR/CFO/MD/2009

Dated: 21-12-2021

To

The Secretary,
N.I.T.K. English Medium School,
N.I.T.K. Campus,
Srinivasanagar,
Mangaluru, Dakshina Kannada District.

Sir,

Sub: Issue of Renewal 'Fire safety recommendation' to N.I.T.K. English Medium School building, constructed at Sy.No.187/2, Surathkal Village, Mangaluru Taluk, Dakshina Kannada District.

- Ref: 1) Fire Recommendation No.34/Advice/CFO/MD/2009 dated 30-04-2015
2) Compliance Certificate No.34/FSR/CFO/MD/2009 dated 23-06-2018
3) Your letter dated 11-11-2020.
4) Report No.08/Renewal FSR/DFO/KADRI/MNG/2021 dated 09-12-2021 of the District Fire Officer, Kadri, Mangaluru.

><><>*@*<><><

With reference to subject cited above, Fire Safety Recommendation was issued vide ref. (1) to N.I.T.K. English Medium School building constructed at Sy.No.187/2, Surathkal Village, Mangaluru Taluk, Dakshina Kannada District with a condition to fulfill the recommendations and compliance the same. Compliance certificate was issued vide ref. (2).

Now as requested by you in letter cited above at ref. (3), the building was re-inspected by the District Fire Officer, Kadri, Mangaluru on 19-10-2021 & 06-12-2021 and has submitted his report on 09-12-2021 vide ref. (4). The details as under;

A. Details of the building / premises :-

01. Name and Address of the Applicant. : The Secretary,
N.I.T.K. English Medium School,
N.I.T.K. Campus,
Srinivasanagar,
Mangaluru, Dakshina Kannada District.
02. Name and Address of the premises. : N.I.T.K. English Medium School,
Sy.No.187/2, Surathkal Village,
Mangaluru Taluk,
Dakshina Kannada District.
03. Name and address of the Building owner : The Secretary,
N.I.T.K. English Medium School,
N.I.T.K. Campus,
Srinivasanagar,
Mangaluru, Dakshina Kannada District.



04. Number of buildings : Three (3).
05. Number of floors : Main building with ground floor, 2 upper floors & terrace floor.
2 tiled roof buildings with ground floor only.

06. **Floor-wise details of occupancy:-**

Main Building

Ground floor - 10 class rooms, office room, computer lab, staff room

1st floor - 7 class rooms, staff room, library, physics & chemistry lab, biology lab, computer lab, write experience room

2nd floor - 20 class rooms, staff room

Terrace floor (covered with GI sheets) - Auditorium.

Tiled roof building

Ground floor - Indoor games

Tiled roof building

Ground floor - Library & sports room

07. Height of the building : Main Building – 12.00 mtrs.
Tiled Roof Buildings – Each of 04.00 mtrs.
08. Site area : 08.05 acres

09. Built-up area of each floor:-

Main Building

Ground floor - 914.73 Sq.mtrs.

1st floor - 891.00 Sq.mtrs.

2nd floor - 1,169.00 Sq.mtrs.

Terrace floor (covered with GI sheets) - 378.75 Sq.mtrs.

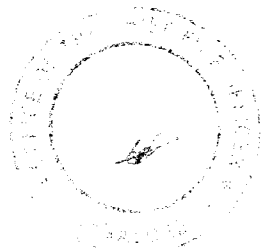
Tiled roof building

Ground floor - 210.68 Sq.mtrs.

Tiled roof building

Ground floor - 343.50 Sq.mtrs.

10. Total built-up area : 3,353.48 Sq.mtrs.
- Main Building : 3,353.48 Sq.mtrs.
- Tiled roof building : 210.68 Sq.mtrs.
- Tiled roof building : 343.50 Sq.mtrs.



11. Surrounding properties:-

- North (Front) : 07.00 mtrs. wide NITK Campus internal road
 South (Rear) : Playground and school vacant land
 East (Side) : Vacant land
 West (Side) : 07.00 mtrs. wide road

12. Open space available around the building :-

- North (Front) : Nil
 South (Rear) : 70.00 mtrs.
 East (Side) : 04.90 mtrs.
 West (Side) : 15.00 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. (01)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the premises	The premises is abutting 07.00 mtrs. wide NITK Campus internal road, which is connected to 45.00 mtrs. wide NH 66, located on the western side and the road is hardened to carry the weight of 45,000 kgs.	Adequate.
02.	Number of entrances	One of 06.00 mtrs. width	The width of the entrance should be widened to minimum 06.00 mtrs.
03.	Diesel generator	Provided one diesel generator of 62.5 KVA capacity.	Complied.
04.	Number of staircase	Nos. of staircases : 2 in main building Width of staircases : One of 01.70 mtrs. and another of 1.10 mtr. Width of treads : 30 cms. Height of risers : 15 cms. Nos. of riser per flight : 12 Nos. Height of handrails : 0.95 mtrs.	Adequate.



(1)	(2)	(3)	(4)
05.	Portable extinguishers	In all provided 11 Nos. ABC powder extinguishers, each of 6 kgs. Capacity, 5 Nos. ABC powder extinguishers, each of 2 kgs. capacity and 3 Fire Buckets, each of 9 litres capacity with metal stand filled with clean dry fine sand in laboratory, library, office, near the diesel generator & near staircase landing at each floor.	Complied.
06.	Hose reel hose system	Provided one Hose reel hose of 19 mm size and of 30 mtrs. length to reach the farthest point of each floor near staircase landing with a shut off branch of 5 mm size. Each hose reel hose connected at each landing.	Complied.
7	Terrace tank over respective tower terrace.	Hose reel Hose System has been connected to an over head tank of 10,000 litres capacity.	Complied.
08.	At the terrace tank level with minimum pressure of 3.5 kg/cm ² .	Hose reel Hose System has been connected to an booster pump of 450 LPM. Further the system has been connected to an alternative source of power supply.	Complied.
9.	Escape routes	As recommended the direction in which the students and faculty have to move in the event of any emergency has been marked in each corridor at each floor.	Complied.
10.	Fire order (Fire safety plans)	Notice boards indicating the details of action to be taken in case of any emergency with telephone number of Mangaluru Fire Stations i.e., 101 or 0824-2423333/2211085/2213192 and nearby ambulance service have been displayed near each staircase landing at each floor.	Complied.
11.	No smoking board	Provided No smoking boards, written in both Kannada & English.	Complied.
12.	Fire fighting training	Not imparted	At-least 40% of the staff should be got trained in basic fire fighting at Karnataka Fire and Emergency Services, Chief Fire officer's



Office, Pandeshwara, Mangaluru
– 575001 or at the R.A.Mundkur
Karnataka Fire & Emergency
Services Academy, Bannerghatta
Road, Bengaluru – 560 029.

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 combustibile 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.
- 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 N.I.T.K. English Medium School building constructed at Sy.No.187/2, Surathkal Village, 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.050627785 dated 18-12-2021 at SBI Surathkal Branch, Mangaluru being the Advise fees.

This **Fire Safety Recommendation** is valid for 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,

[Signature]
18/12/21
Chief Fire Officer
Karnataka State Fire & Emergency Services
Mangalore

Copy to:-

- 1) The Director, CBSE, Shikshakendra 2, Community centre, Preeth Vihar, Delhi-110092
- 2) The District Fire Officer, Kadri, Mangaluru.