

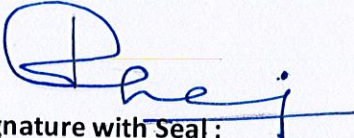
## Appendix VII

Ref. No. 139/FSR/CFO/MD/2012

Date: 08-02-2022

Certified that the **Manipal School buildings**. Mangalore at Ward No: 55, Behind Manipal College of Dental Sciences, Attavar, Mangalore 575 001 comprised of Block 1 : 1 basement(s) and 1 (upper floor) and Block 2: 1 basement(s) and 3 (upper floors) owned by **Manipal School** have complied with the fire prevention and fire safety requirements in accordance with rule of State/UT Fire Service Rules, and verified by the officers concerned of Fire Service on **26-10-2020** in the presence of the Dr.Dilip G Naik, Manager, Manipal School Attavar, Mangalore and that the building/premises is fit for occupancy class **Education Building** with effect from **07-11-2020** for a period of **Two years** in accordance with rule and subject to compliance of the conditions.

Issued on **07-11-2020** at **07-11-2022** by,



Signature with Seal :

Name : **Dheeraj Shetty**  
**Fire & Safety Consultant**  
**BE (Fire & Safety)**

Designation :



Office of the Chief Fire Officer  
Karnataka Fire & Emergency Services  
Pandrahwar Fire Station  
Telecom House Road, Mangalore 575 001  
Telephone: 2440443 (O) 2210032 (R)

No.139/FSR/CFO/MD/2012

Dated: 07-11-2020

To

Principal,  
Manipal School,  
Ward No.55, Behind Manipal College of Dental Sciences,  
Attavara,  
Mangaluru – 575 001.

Sir,

Sub: Issue of Compliance Certificate to Manipal School building, constructed at Sy.No.164/B1, 164/B2, 165/A, Attavara Village, Mangaluru Taluk, Dakshina Kannada District.

- Ref: 1) This office Fire Safety Recommendation No.139/FSR/CFO/MD/2012 dated 23-12-2019.
- 2) Your letter dated 20-10-2020.
- 3) Report No.17/CC/DFO/MNG/DK/2020 dated 27-10-2020 of the District Fire Officer, Mangaluru.

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With reference to subject cited above, Fire Safety Recommendation was issued vide reference (1) to Manipal School building with 2 blocks i.e. Block-1 building, comprising ground floor & 1 upper floor of 08.00 mtrs. height & Block-2 building, comprising ground floor & 3 upper floors of 14.95 mtrs. height, constructed at Sy.No.164/B1, 164/B2, 165/A, Attavara Village, Mangaluru Taluk, Dakshina Kannada District with a condition to fulfill the recommendations and compliance the same.

With reference to your letter cited at (2) above, to issue compliance certificate from our department, the District Fire Officer, Mangaluru was inspected on 26-10-2020 and submitted his report vide reference (3).

As per the advice in above ref. (1), all the fire fighting systems are installed. Under the above circumstances the Karnataka Fire & Emergency Services Department is issuing the "Compliance Certificate" to **Manipal School building, constructed at Sy.No. 164/B1, 164/B2, 165/A, Attavara Village, Mangaluru Taluk, Dakshina Kannada District**, subject to proper maintenance of fire fighting installations in good working condition and to arrange the training of 40% of employees within 3 months. This compliance Certificate is valid for a period of only two years from the date of issue and is renewable.



Yours faithfully,

*[Signature]*  
7/11/2020  
Chief Fire Officer

Karnataka State Fire & Emergency Services  
Mangalore

Copy to:-

- 1) The Director, C.B.S.E., Shiksha Kendra 2, Community Centre, Preet Vihar, Delhi-110 092.
- 2) The District Fire Officer, Mangaluru.

No.139/FSR/CFO/MD/2012

To

The Principal,  
Manipal School,  
Ward No.55,  
Behind Manipal College Of Dental Sciences,  
Mangaluru – 575 001,  
Dakshina Kannada District.

Sir,

Sub: Issue of '**Fire safety recommendation**' to Manipal School buildings constructed at Sy.No.164/B1, 164/B2, 165/A, Attavara Village, Behind Manipal College of Dental Sciences, Mangaluru Taluk, Dakshina Kannada District.

Ref: Report No.22/FSR/DFO/MNG/DK/2019 dated 18-12-2019 of the District Fire Officer, Mangaluru.

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With reference to the subject above cited, the premises of Manipal School buildings constructed at Sy.No.164/B1, 164/B2, 165/A, Attavara Village, Behind Manipal College of Dental Sciences, Mangaluru Taluk, Dakshina Kannada District was inspected by the District Fire Officer, Mangaluru on 16-12-2019 with respect to Fire prevention, Fire fighting and Evacuation measures to be complied in the above premises and has submitted the details as under.

**A. Details of the building / premises :-**

- |    |  |   |   |
|----|--|---|---|
| 01 | Name and Address of the Applicant.     | : | The Principal,<br>Manipal School,<br>Ward No.55, Behind Manipal College of Dental Sciences, Attavara,<br>Mangaluru – 575 001.<br>Dakshina Kannada District.       |
| 02 | Name and Address of the premises.      | : | Manipal School,<br>Sy.No.164/B1, 164/B2, 165/A, Attavara Village,<br>Behind Manipal College of Dental Sciences,<br>Mangaluru Taluk,<br>Dakshina Kannada District. |
| 03 | Name and address of the Building owner | : | Manipal Academy of General Education,<br>Manipal,<br>Udupi District.  |
| 04 | Number of buildings                    | : | Two i.e. Block-1 & Block-2.   |
| 05 | Number of floors                       | : | Block-1 with ground floor & 1 upper floor.<br>Block-2 with ground floor & 3 upper floors.   |



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

**Block-1**

Ground floor - 3 class rooms, Principal cabin, Activity room, staff room, waiting lounge

First floor - 4 class rooms, computer lab, library, Activity room

**Block-2**

Ground floor - 7 class rooms, staff room, special educational room, Teachers resource center, store room, computer lab, electrical room

First floor - 7 class rooms, Math's lab, language lab, library

Second floor - 7 class rooms, 2 language room, store room, computer lab

Third floor - 8 class rooms, sports room, language room, art/craft room, music room, dance room.

07 Height of the building : Block-1 – 08.00 mtrs.  
Block-2 – 14.95 mtrs.

08 Site area : 11,108.53 Sq.mtrs.

09. **Built-up area of each floor:-**

**Block-1**

Ground floor - 497.35 Sq. mtrs.

First floor - 442.00 Sq. mtrs.

**Total - 939.35 Sq. mtrs.**

**Block-2**

Ground floor - 793.20 Sq. Mtrs.

First floor - 793.20 Sq. Mtrs.

Second floor - 793.20 Sq. Mtrs.

Third floor - 793.20 Sq. Mtrs.

**Total - 3,172.80 Sq. mtrs.**

10. Total built-up area : Block-1 – 939.35 Sq. mtrs.  
Block-2 – 3,172.80 Sq. mtrs.

11. **Surrounding properties:-**

**Block-1**

South (front) : 07.00 mtrs. wide Attavara 6<sup>th</sup> Cross road

North (Rear) : STP area

East (Side) : KMC Dental College building

West (Side) : School play ground



12. Set-back area available around the building :-

**Block-1**

South (front) : 10.40 mtrs.  
 North (Rear) : 05.20 mtrs.  
 East (Side) : 13.50 mtrs.  
 West (Side) : 08.20 mtrs.

**Block-2**

South (front) : 06.60 mtrs.  
 North (Rear) : 01.60 mtr.  
 East (Side) : 08.20 mtrs.  
 West (Side) : 21.40 mtrs.

**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 :-**

Sl. No. (01)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the premises	The premises abutting 07.00 mtrs. wide Attavara 6 <sup>th</sup> Cross road, located on the southern side.	Adequate
02.	No. of entrances	One.	Complied.
03.	Width of entry / exit	06.50 mtrs. width	Complied.
04.	Diesel generators.	Provided 3 diesel generators, each of 500 KVA capacity.	Not complied.  Standby generator shall be connected to corridor lighting, staircase lighting, fire fighting systems to supply power in the event of failure of electric supply in the building.
05.	No. of staircases available	Nos. of staircases : One in Block-1 and 2 in Block-2 Width of staircases : Each of 2.00 mtrs. Width of treads : 0.30 mtr. Height of risers : 0.15 mtr. Nos. of riser per flight : 13 Nos. per flight	



	Height of handrails	: 01.00 mtr.	
	Head room clearance	: 03.40 mtrs.	
06	No. lifts and capacity.	Nos. of lifts : Not provided Capacity of lifts : Not applicable	No remarks.
07.	Fire extinguisher	Provided 10 ABC powder extinguishers, each of 06 kgs. capacity & 5 CO2 extinguishers, each of 2 kgs. capacity.	Complied. The available portable fire extinguishers, shall be maintained periodically.
08.	Public address system	Not provided	Not complied. Public address system with two way communication facility should be provided at each floor, near each staircase landing with its console at the control room, located on the ground floor of each building.
09.	First Aid Hose reel hose.	Not provided	Not complied. As per the requirement one Hose reel hose in each Block i.e. Block-1 and Block-2 (total – 2), each of 19 mm size and of adequate length to reach the farthest point of each floor, near staircase landing shall be provided with a shut off branch.
10.	Automatic sprinkler system.	Not provided	Not applicable.
11.	Terrace tank over respective tower terrace.	Not provided	Not complied. Each Hose reel hose system shall be connected to an RCC overhead tank of 10,000 litres capacity (2 tanks).



(01)	(02)	(03)	(04)
12.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	Not provided	Not complied. Terrace booster pump, capable of delivering 450 litres of water per minute shall be provided to each hose reel hose system (2 pumps). The systems should also be connected to an alternative source of power supply.
13.	Fire control room at ground floor.	Not provided	Not complied. Fire Control room shall be on the ground floor of each building.
14.	Escape routes	Not provided	Not complied. Directions in which the students & faculty should have to move in the event of any emergency have to be indicated in the corridor/passage on each floor as a guide during evacuation. These should be in luminous paint.
15.	Fire order	Not provided	Not complied. Notice boards indicating the details of action to be taken in case of any emergency with telephone numbers of Mangaluru Fire Station i.e. 101 & 0824-2423333 and nearby Ambulance service shall be displayed near each staircase landing at each floor, each building.
16.	Fire fighting training	Not trained.	Not complied. 40% of the employees should be got trained in fire prevention and fire fighting at the Karnataka Fire and Emergency Services, Chief Fire officer's Office, Pandeshwara, Mangaluru – 575 001 or at the R.A.Mundkur Karnataka Fire & Emergency Services Academy, Bannerghatta Road, Bengaluru – 560 029 within 90 days from the date of issue of this <u>'Fire safety recommendation'</u> .



The Karnataka Fire & Emergency Service Department is issued the 'Fire safety recommendations' in compliance to the undersigned, within 90 days.

\* 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.



Copy to the District Fire Officer, Mangaluru.

Yours faithfully,

  
23/12/19

**Chief Fire Officer**  
Karnataka State Fire & Emergency Services  
Mangaluru

  
24/12

