

No.02/DD(FP)/KSF&ES/FSC/2021

Dated: 19-05-2021

**ANNEXURE – B**

**“B1& B2 – Schools upto senior secondary level and other institutions”**  
*NBC-2016, Part-4, Table 7 (11) 3.1.3 Group B Educational Buildings*

To,  
**The Authorized Signatory,**  
**M/s. Christ School,**  
**Dharmaram College P.O.,**  
Suddaguntapalya,  
Bengaluru-560 068.

Sir,

**Sub:** Issue of **‘Fire Safety Compliance’** to M/s. Christ School, Dharmaram College P.O, Suddaguntapalya, Bengaluru-reg.


**Ref:** Report No.01/DFO/JFS/2021 Dated: 22-02-2021.


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With reference to the subject above cited, the premises of M/s. Christ School, Dharmaram College P.O, Suddaguntapalya, Bengaluru-560 068 was inspected by the District Fire Office, Jayanagara Fire Station, Bengaluru on 30-01-2021 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. : President /Principal,  
Christ School,  
Dharmaram College P.O,  
Suddaguntapalya,  
Bengaluru-560 068
- 02 Name and Address of the premises. : Christ School,  
Dharmaram College P.O,  
Suddaguntapalya,  
Bengaluru-560 068.

  
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- 03 Name and address of the Building owner : Christ School,  
Dharmaram College P.O,  
Suddaguntapalya,  
Bengaluru-560068
- 04 Number of buildings : One building
- 05 Number of floors : Ground and 4 Upper floors.

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

Ground floor : 04 class rooms, 01 entrance hall, 01 principal room, 01 AGM room, 01 chairmen room, 01 store room, 01 library room.

1<sup>st</sup> floor : 10 class rooms, and 01 Staff room.

2<sup>nd</sup> floor : 10 class rooms, and 01 Staff room.

3<sup>rd</sup> floor : 06 class room, 01 Biology lab, 01 chemistry lab, 01 physics lab, 01 staff room

4<sup>th</sup> floor : 09 class rooms, 01 Staff room.

07 Height of the building : 19.40 Mtrs.

08 Site area : 8093.71 Sq. Mtrs.

09. Built-up area of each floor:-

Ground floor : 7549.51 Sq. Mtrs.

1<sup>st</sup> floor : 7549.51 Sq. Mtrs.

2<sup>nd</sup> floor : 7549.51 Sq. Mtrs.

3<sup>rd</sup> floor : 7549.51 Sq. Mtrs.

4<sup>th</sup> floor : 7549.51 Sq. Mtrs.

10. **Total built-up area : 3774755 Sq. Mtrs.**

11. Surrounding properties:-

East (Front) : Christ college compound.

West (Rear) : St Thomas church building

South (Side) : 12.00 mtrs wide Christ college road.

North (Side) : Owners land and college ground.

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

East (Front) : Minimum 11.00 mtrs  
 West (Rear) : Minimum 1.40 mtrs  
 South (Side) : Minimum 1.20 mtrs  
 North (Side) : Minimum 14.60 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. (1)	Details (02)	Existing (03)	Recommendations (04)
01.	Accessibility to the premises	The premise is abutting 12.00 mtrs wide Christ college road. located on southern side of the building,	The Requirement is Complied With.
02.	No. of entrances	One entrance, is located on southern side of the building.	The Requirement is complied With.
03.	Width of entry / exit	One entrance of 6.40 mtrs width located to words eastern side internal road.	The Requirement is complied With.
04.	Diesel generators.	One Diesel Generator of 125 KVA capacity have been provided and It connected to supply alternative power for staircase lighting, corridor lighting and etc., in the event of failure of electricity supply in the building.	The Requirement is complied With.
05.	No. of staircases available	Nos. of staircases : 05	The Requirement is complied With.
		Width of staircases : 1. 1.62mtrs 2. 1.62 mtrs 3. 2.10 mtrs 4. 2.10 mtrs 5. 1.60 mtrs	
		Width of treads : Each of 30 Cms	


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		Height of risers	:	Each of 15 Cms	
		Nos. of riser per flight	:	Each of 10	
		Height of handrails	:	Each of 01.00 mtrs.	
		Head room clearance	:	2.10 mtrs	
06.	No. lifts and capacity.	Nos. of lifts	:	One	The Requirement is complied With.
		Capacity of lifts	:	13 persons	
07.	Fire extinguisher	Each Floor 06 nos ABC Powder Extinguisher of 6 Kg capacity and 03 nos CO <sub>2</sub> extinguisher have been provided.			The Requirement is complied With.
08.	Public address system	Public address system with two way communication facility have been provided at each floor near each staircase landing with its console at the control room, located on the ground floor.			The Requirement is complied With.
09.	Manually operated electronic Fire alarm system.	25 nos of manually operated electrical fire alarm system have been installed with call boxes at each staircase landing of the building. The call boxes have been of 'break glass' type, where the call is transmitted automatically to the control room when the glass of the system is broken. The call boxes have been so installed that their location can be easily noticed from both direction and height of one meter from the floor level.			The Requirement is complied With.





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10.	First aid Hose reel hose.	03 nos. Hose Reel Hose have been provided near the staircases and center lobby at each floor. Hose Reel Hose of 19 mm size of adequate length to reach the farthest point of floor have been provided a shut off branch having a nozzle of 5 mm size. Hose reel hoses of each floor have been connected to an each overhead tank.	The Requirement is complied With.
11.	Down comer system	Three down comer systems have been provided each down comer have been of 100 mm internal diameter and of G.I. 'C' class pipe. From the riser single hydrant outlets have been provided at each landing. Adequate B.I.S. marked reinforced rubber lined delivery hoses of 63 mm size to reach the farthest point of the floor/setbacks from the system have been provided with a branch pipe near each hydrant outlet in a proper box to protect it from withering.	The Requirement is complied With.
12.	Terrace tank over respective tower terrace.	And Two overhead tank of each 25,000 liters capacity have been provided exclusively for fire fighting	The Requirement is complied With.
13.	At the terrace tank level with minimum pressure of 3.5 kg/cm <sup>2</sup> .	At the terrace tank each minimum pressure of 3.5 kgs/cm <sup>2</sup> One electrically driven pumps of capacity 900 liters per minute have been installed near the combined terrace tank.	The Requirement is complied With.
14.	Fire control room at ground floor.	Fire control room have been provided at ground floor	The Requirement is complied With.

  
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15.	Escape routes	Marked on the each floor visibly to guide the students /staff make to safer places.	The Requirement is complied With.
16.	Fire order	Fire order indicating with the action to be taken by the employees in case of fire have been displayed inside the building. The notice boards have been written in Kannada and English with telephone numbers of Jayanagar Fire Station i.e. 22971538 & 101 and telephone numbers of nearest Ambulance service, Police station Management displayed.	The Requirement is complied With.
17.	No smoking board	Displayed	The Requirement is complied With.
18.	Fire fighting training	Not provided	40% of the occupants / employees should be got trained in fire prevention & fire fighting at the R.A. Mundkur Fire and Emergency Services Academy, BG Road, Bangalore-560 029 . within 90 days.
19	<p>Fire precaution measures :-</p> <p><b>A</b> Explosive and flammable materials should not be stored in the store room, UPS room, Electrical panel area, class rooms, laboratory &amp; electrical sum panel premises.</p> <p><b>B</b> Accumulation of combustible waste in and around the premises should be avoided.</p> <p><b>C</b> The exit ways shall be always kept clear without any obstruction.</p> <p><b>D</b> Liquefied petroleum gas should be not stored in the building.</p>		

  
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**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 teacher 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 14<sup>th</sup> of every year by conducting fire safety drills with co-ordinate with Fire Service Department.

Under the circumstance stated above, there is No Objection to run education activities in your school buildings subject to proper maintenance of fire fighting installations in good working conditions. This Fire Safety Compliance Certificate is valid for Only Two Years from the date of issue as per notification No. HD 33 SFB 2011 Dated: 07-07-2011, issued by the Home department, Government of Karnataka.

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,*

  
DEPUTY DIRECTOR  
(Fire Prevention)

Karnataka Fire & Emergency Services  
Bengaluru.



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