

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: CONNAUGHT PLACE
NEW DELHI-110 001.

No.F.6/DFS/MS/Educational/2018/SZ/ 686

Dated: 13/4/18

FIRE SAFETY CERTIFICATE

Certified that the **Guru Tegh Bahadur Institute of Technology**, Plot No. G-8 Area, Rajouri Garden, New Delhi-110064, comprised of five blocks namely Lab Block/Man Mohan Singh Block (having basement, ground plus three upper floors), Bhai Veer Singh Block (having basement ground plus four upper floors & two rooms on terrace), Admn. Block cum Lecture Block (having basement, ground plus three upper floors) interconnected with Library block at first floor level, Library & Workshop Block (having ground plus one upper floor) and Canteen Block (having ground plus three upper floors) owned/occupied by Delhi Sikh Gurdwara Management Committee. The institute building was inspected by the officers concerned of this department on 06.04.2018 in the presence of Sh. Avtar Singh Hit (Chairman) and found that the management have complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rules, 2010 and that the building/premises is fit for occupancy class "Educational" w.e.f. the date of issue of this certificate for a period of three years in accordance with rule 36 unless renewed under rule 37 or sooner cancelled under Rule 40 and subject to compliance of the conditions under rule-38 of the Delhi Fire Service Rules, 2010 printed as below.

Issued on.....13/4/18..... at New Delhi.


(VIPIN KENTAL)
CHIEF FIRE OFFICER

Copy to:-

1. The Chairman,
Guru Tegh Bahadur Institute of Technology, Plot No. G-8 Area, Rajouri Garden, New Delhi-64
2. Guru Govind Singh Indraprastha University, Sector-16 C, Dwarka, Delhi-78

Following fire safety directives must be adhered to:-

1. All the fire safety arrangements provided therein shall be maintained in good working condition at all times.
2. The means of escape shall be kept unlocked and unobstructed for unhindered evacuation of occupants in case of emergency.
3. Any loss of life or property due to non-functional fire safety measures shall be at the risk and responsibility of the management.
4. The trained staff should be available round the clock.
5. Any deviations w.r.t. construction shall be verified by the concerned building sanctioning agency.
6. The certificate may not be treated in any case for the regularization of the unauthorized construction, if any.
7. Basement shall be used as per the building bye laws.
8. The owner/occupier shall submit a declaration every year in the form 'K' provided in the first schedule of Delhi Fire Service Rules 2010, form is available on www.dfs.delhigovt.nic.in.
9. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in the Form 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, six months prior to its expiry.

INSPECTION REPORT

1. Name & address of the building : Guru Tegh Bahadur Polytechnic Institute, Plot No. G-8 Area, Rajouri Garden, New Delhi-110064.
2. Type of Occupancy : Educational
3. Type of Case : New
4. Details of Previous NOC : N/A
5. Fire Safety directives letter No : F.6/DFS/MS/BP/2002/1236 dated 29.07.2002
6. Date of inspection : 06.04.2018
7. Name of Inspecting Officer : D.O M.K. Chattopadhyay & A.D.O. Sandeep Duggal
8. Name and designation of officers
From the building side : Sh. Avtar Singh Hit (Chairman)
9. Year of Construction : Before 2010
10. Applicant's letter No. : GTBIT/2017-18/2253 dated 28.03.2018

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NBC Requirement	Provided at site	Remarks MR/NMR
1.	Access to building			
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	09 mtrs 05 mtrs Required	09 mtrs 05 mtrs (02 no.'s) Provided	M/R M/R M/R
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	• Upper Floors		02 no.'s in BVS blk, 04 no.'s in lab/MMS Blk, 02 no.'s in Admn cum Lect blk & Ctn blk & 01 no. in Lib blk	Provided M/R
	• Basement		02 no.'s in BVS blk, 04 no.'s in lab/MMS Blk & 02 no.'s in Admin cum lect. blk	Provided M/R
	b. Width of staircases			
	• Upper Floor	150 cms in BVS blk & Admn cum Lect blk ,150 cms (02 no.'s) & 120 cms (02 no.'s) in Lab./MMS blk & 125 cms in Lib. & wksp blk and 150 & 150 cms in Ctn. blk	150 cms (02 no.'s) in BVS Blk, 150, 150, 143 cms (02 no.'s) in Lab/MMS Blk 150 (02 no.'s) & 110 cms in Cant blk, and 135 cms in lib & wksp blk	M/R
	• Basements	150 cms (02 no.'s) in BVS blk., & Admn cum Lect. blk & 150 (02 no.'s) & 90 cms (02 no.'s) in Lab./MMS blk	150 cms (02 no.'s) in BVS blk., & Admn cum Lect. blk & 150 (02 no.'s) & 143 cms (02 no.'s) in Lab./MMS blk	M/R
	c. Protection of exits			
	• Fire/smoke check door	Required	Provided	M/R
	• Pressurization	Required	Provided	M/R
	d. No. of continuous staircases to terrace	Required	Provided	MR
	e. Width of Corridor	150 cms	180/390 cms in Admncum lect. blk, 390 cms in lab blk & 225 cms in Lib blk, 170/150 cms in cant blk	MR
	f. Class room Door Size	100 cms	135/110 cms in Admn cum lect.blk, 135 cms in lab blk, 130 cms in Lib blk & 110 & 100 cms in cant blk	N/A
3.	Compartmentation			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	N/A	N/A	N/A
	• Fire Rating of shaft door	N/A	N/A	N/A
	• Water Curtain	N/A	N/A	N/A
	• Fire Dampers	N/A	N/A	N/A
4.	Smoke Management System			
	• Basements	Required	Exhaust fans	M/R
	• Ground floor	Required	Natural ventilation	M/R
5.	Fire Extinguishers			
	• Total numbers	65 No.'s	Provided	M/R
	• Types	ABC/CO ₂ type	Provided	M/R
	• IS marking	ISI marked	Provided	M/R

6.	First-Aid Hose Reels			
	<ul style="list-style-type: none"> Total numbers on each floor in each block 	One	Provided	MR
	<ul style="list-style-type: none"> Length of hose reel hose 	36 mtrs	Provided	MR
	<ul style="list-style-type: none"> Nozzle diameter 	5 mm	Provided	MR
7.	Automatic fire detection and alarming system			
	<ul style="list-style-type: none"> Type of detectors 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Location of Main Panel 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Location of Repeater Panel 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Alternate source of power 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Hooters' Location 	N/A	N/A	N/A
8.	MOEFA (in BVS Block)	Required	Provided	MR
9.	Public Address System	N/A	N/A	N/A
10.	Automatic Sprinkler System			
	<ul style="list-style-type: none"> Basement (BVS Blk, Lab/MMS blk & Admin cum lect. Blk) 	Required	Provided	MR
		N/A	N/A	N/A
	<ul style="list-style-type: none"> Ground Floor 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Sprinkler above false ceiling 			
11.	Internal Hydrants			
	<ul style="list-style-type: none"> Size of riser/down-comer 	100 mm	Provided	MR
	<ul style="list-style-type: none"> Number of hydrants per floor 	One	Provided	MR
	<ul style="list-style-type: none"> Hose Box 	One	Provided	MR
12.	Yard Hydrants			
	<ul style="list-style-type: none"> Total number of hydrants 	Required	Provided	MR
	<ul style="list-style-type: none"> Hose Box 	Required	Provided	MR
13.	Pumping Arrangements			
	<ul style="list-style-type: none"> Ground Level 			
	<ul style="list-style-type: none"> ➤ Discharge of main Pump 	1620 LPM	2280 LPM	MR
	<ul style="list-style-type: none"> ➤ Head of Main pump 	40 mtrs	70 mtrs	MR
	<ul style="list-style-type: none"> ➤ Number of main pumps 	One	Provided	MR
	<ul style="list-style-type: none"> ➤ Jockey Pump out put 	180 LPM	Provided	MR
	<ul style="list-style-type: none"> ➤ Jockey pump head 	40 mtrs	Provided	MR
	<ul style="list-style-type: none"> ➤ Standby Pump out put 	1620 LPM	2280 LPM	MR
	<ul style="list-style-type: none"> ➤ Standby Pump Head 	40 mtrs	70 mtrs	MR
	<ul style="list-style-type: none"> ➤ Auto Starting/Manual Stopping 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Pump House Access 	Required	Provided	MR
	<ul style="list-style-type: none"> Terrace level 			
	<ul style="list-style-type: none"> ➤ Discharge of pump 	900 LPM	Provided	MR
	<ul style="list-style-type: none"> ➤ Head of the pump 	40 mtrs	Provided	MR
	<ul style="list-style-type: none"> ➤ Power Supply 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Auto Starting of pump 	Required	Provided	MR
14.	Captive Water Storage for fire fighting			
	<ul style="list-style-type: none"> Underground tank capacity 	1,00,000 ltrs	Provided	M/R
	<ul style="list-style-type: none"> ➤ Draw-off connection 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Fire service inlet 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Access to tank 	Required	Provided	M/R
	<ul style="list-style-type: none"> Overhead Tank capacity 	25000 ltrs	Provided	MR
15.	Exit Signage.	Required	Provided	MR
16.	Provision of Lifts.			
	<ul style="list-style-type: none"> Pressurization of Lift Shaft 	Required	Provided	MR
	<ul style="list-style-type: none"> Pressurization of Lift lobby 	Required	Provided	MR
	<ul style="list-style-type: none"> Communication In lift Car 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Fireman's Grounding Switch 	Required	Provided	MR
	<ul style="list-style-type: none"> Lift Signage 	N/A	N/A	N/A
17.	Standby power supply	Required	Provided	MR

N/20

Building is comprised of five blocks namely Lab Block/Man Mohan Singh Block (basement, GF+III upper floors), Bhai Veer Singh Block (having basement, GF+IV upper floors & two rooms on terrace), Admn. Block cum Lecture Block (basement, GF+III upper floors) interconnected with Library block at first floor level, Library & Workshop Block (ground plus one upper floor) and Canteen Block (ground plus three upper floors).

18.	Refuge Area.			
	➤ Total Area	N/A	N/A	N/A
	➤ Location	N/A	N/A	N/A
19.	Fire Control Room			
	• Detector System Panel	N/A	N/A	N/A
	• Flow Switch Panel	N/A	N/A	N/A
	• PA System Panel	N/A	N/A	N/A
	• Battery backup	N/A	N/A	N/A
	• Building Floor Plans	N/A	N/A	N/A
20.	Special Fire Protection System for Protection of special Risks, if any:	N/A	N/A	N/A

The fire protection systems provided in the building were tested, checked and found functional at the time of inspection.

Keeping in view of the above substantial compliance of the minimum standards of fire prevention and fire safety measures as required under the rules it is recommended to grant Fire Safety Certificate under rule 35 of the Delhi Fire Service Rules 2010.

[Signature]
10/04/2018

Signature of Inspecting Officer
Name:- M.K. Chattopadhyay
Designation:- Divisional Officer

[Signature]
09/04/18

Signature of Inspecting Officer
Name:- Sandeep Duggal
Designation:- Asstt. Divisional Officer

296/2018
10/04/2018

Dy. C.F.O (South/Zone)



1206/CFOSZ
12/4

[Signature]
11/4

FTO.

cfu (SZ)

M. S. Jell

12/4.

F.T. letter is put up for sign. please.

cfu (SZ) M.S. Jell 13/4

[Signature]
13/04/18