

e/100

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

No. F.6/DFS/MS/Educational/2024/SZ/52

Dated: 05/12/2024

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, was issued Fire Safety Certificate by this department vide letter No. F.6/DFS/MS/Educational/2021/SZ/10 dated 09.08.2021. The institute building was re-inspected by the officers concerned of this department on 22.11.2024 in the presence of Dr. Rominder Kaur (Director) and found that the building have deemed 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 Building**" w.e.f 05/12/2024 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 below.

Issued on 05/12/2024 at New Delhi.


(Anil Karg)
Director

Delhi Fire Service
2/29

Copy to: -

- 1 The Chairman, Guru Teg Bahadur Institute of Technology, Plot No. G-8 Area, Rajouri Garden, New Delhi-110064.
- 2 Executive Engineer (Bldg.), MCD, West Zone, Dr. Sahib Singh Varma Nigam Bhawan, Second Floor, Shivaji Enclave, New Delhi- 27. - for information regarding use of basement.

Conditions for the validity of Fire Safety Certificate

1. All the fire safety arrangements provided therein shall be maintained in good working condition at all times.
2. The means of escape arrangements shall be kept unlocked & unobstructed for speedy evacuation of occupants in case of an 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. Basement shall be used as per the building bye laws.
7. The certificate may not be treated in any case for the regularization of the unauthorized construction, if any.
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.

N/31

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).

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 : Renewal
4. Details of Previous NOC : F.6/DFS/MS/Educational/2021/SZ/10 dated 09.08.2021
5. Fire Safety directives letter No : F.6/DFS/MS/BP/2002/1236 dated 29.07.2002
6. Date of inspection : 22.11.2024
7. Name of Inspecting Officer : A.D.O. R.K.Yadav
8. Name and designation of officers
From the building side : Dr. Rominder Kaur (Director)
9. Year of Construction : Before 2010
10. Applicant's letter No. : GTBIT/2024-25/4313 dated 06.11.2024

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 MR
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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			
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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			
	<ul style="list-style-type: none"> • Fire/smoke check door • Pressurization 	Required	Provided	M/R
		Required	Provided	M/R
		Required	Provided	MR
	d. No. of continuous staircases to terrace	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
	e. Width of Corridor	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	MR
	f. Class room Door Size			
3.	Compartmentation			
	<ul style="list-style-type: none"> • Fire check door • Sealing of electrical shafts • Fire Rating of shaft door • Water Curtain • Fire Dampers 	Required	Provided	MR
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
4.	Smoke Management System			
	<ul style="list-style-type: none"> • Basements 	Required	Exhaust fans	M/R
	<ul style="list-style-type: none"> • Ground floor 	Required	Natural ventilation	M/R
5.	Fire Extinguishers			
	<ul style="list-style-type: none"> • Total numbers • Types • IS marking 	65 No.'s ABC/CO ₂ type ISI marked	Provided	M/R
			Provided	M/R
			Provided	M/R

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).

6. First-Aid Hose Reels			
<ul style="list-style-type: none"> Total numbers on each floor in each block Length of hose reel hose Nozzle diameter 	One	Provided	M/R
	36 mtrs	Provided	M/R
	5 mm	Provided	M/R
7. Automatic fire detection and alarming system			
<ul style="list-style-type: none"> Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
	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) Ground Floor Sprinkler above false ceiling 	Required	Provided	MR
	N/A	N/A	N/A
	N/A	N/A	N/A
11. Internal Hydrants			
<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor Hose Box 	100 mm	Provided	M/R
	One	Provided	M/R
	One	Provided	M/R
12. Yard Hydrants			
<ul style="list-style-type: none"> Total number of hydrants Hose Box 	Required	Provided	M/R
	Required	Provided	M/R
13. Pumping Arrangements			
<ul style="list-style-type: none"> Ground Level <ul style="list-style-type: none"> Discharge of main Pump Head of Main pump Number of main pumps Jockey Pump out put Jockey pump head Standby Pump out put Standby Pump Head Auto Starting/Manual Stopping Pump House Access Terrace level <ul style="list-style-type: none"> Discharge of pump Head of the pump Power Supply Auto Starting of pump 	1620 LPM	2280 LPM	MR
	40 mtrs	70 mtrs	MR
	One	Provided	MR
	180 LPM	Provided	MR
	40 mtrs	Provided	MR
	1620 LPM	2280 LPM	MR
	40 mtrs	70 mtrs	MR
	Required	Provided	M/R
	Required	Provided	MR
	900 LPM	Provided	MR
40 mtrs	Provided	MR	
Required	Provided	MR	
Required	Provided	M/R	
14. Captive Water Storage for fire fighting			
<ul style="list-style-type: none"> Underground tank capacity <ul style="list-style-type: none"> Draw-off connection Fire service inlet Access to tank Overhead Tank capacity 	1,00,000 ltrs	Provided	M/R
	Required	Provided	MR
	Required	Provided	MR
	Required	Provided	M/R
	25000 ltrs	Provided	MR
	Required	Provided	M/R
15. Exit Signage.	Required	Provided	M/R

W

N/33

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).

16. Provision of Lifts.				
<ul style="list-style-type: none"> • Pressurization of Lift Shaft • Pressurization of Lift lobby • Communication In lift Car • Fireman's Grounding Switch • Lift Signage 	Required	Provided	MR	
	Required	Provided	MR	
	N/A	N/A	N/A	
	Required	Provided	MR	
	N/A	N/A	N/A	
17. Standby power supply	Required	Provided	MR	
18. Refuge Area.				
<ul style="list-style-type: none"> ➤ Total Area ➤ Location 	N/A	N/A	N/A	
	N/A	N/A	N/A	
19. Fire Control Room				
<ul style="list-style-type: none"> • Detector System Panel • Flow Switch Panel • PA System Panel • Battery backup • Building Floor Plans 	N/A	N/A	N/A	
	N/A	N/A	N/A	
	N/A	N/A	N/A	
	N/A	N/A	N/A	
	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.

Note: - Shortcomings also given by this department vide latter No. F6/DFS/MS/Educational/2024/SZ/301 dated 17.09.2024, has been rectified. Applicant mentioned in application that the book library, staff room, fitness gym, developed indoor games facility, examination room, engineering workshop, cabins for professors and class rooms etc. in basement has been closed and the basement will be used as storage purpose (Photograph enclosed)

In view of the deemed compliance of the minimum standards of fire prevention and fire safety measures as required under the rules the FSC issued vide letter No. F.6/DFS/MS/Educational/2021/SZ/10 dated 09.08.2021, renewal under rule 37 of the Delhi Fire Service Rules 2010 is recommended.

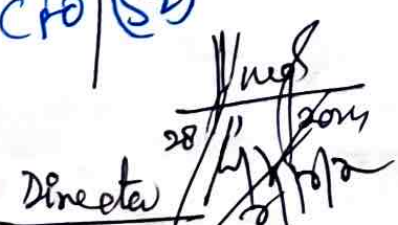

 Signature of the Inspecting Officer

Name- R.K. Yadav

Designation- ADO(JKP)

DO (South West)


 CFO/SZ


 Director

