

NO. F-6/DFS/MS/ 2017/ 52/289

Dated 2/3/2017

FIRE SAFETY CERTIFICATE

Certified that the **Chemistry Lab at Delhi University of Delhi, North Campus , Delhi-110007** comprised of **Basement, Ground and 05 upper floors** owned/ occupied by **University of Delhi, North Campus** have complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rules, 2010 and verified by the officer concerned of fire service on **16.02.2017** in the presence of **Mr Rajender Singh (Exc. Engineer, D.U.)** and that the building/ premise is fit for occupancy class "**Group B**" **Educational for basement, ground and 05 upper floors** with effect from **..2./3./17.....** for a period of three years in accordance with the 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,

Conditions for the validity of Fire Safety Certificate:

1. All the fire safety arrangement provided there-in shall be maintained in good working conditions at all times.
2. Loss of life or property due to non functional fire safety measure shall be at the responsibility of the management.
3. The trained fire fighting staff should be available round the clock.
4. Any deviation with regard to the construction etc shall be verified by the concerned building sanctioning agency.
5. This certificate cannot be treated in any case for regularizations of unauthorized construction.
6. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director of Form 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, six months prior to its expiry".
7. The owner / occupier shall submit a declaration every year in form "K" provided in the first schedule of Delhi Fire Service Rules 2010. The form is available on **WWW.dfs.Delhigovt.nic.in**

Issued on **..2./3./17.....** at New Delhi



(Atul Garg)
Chief Fire Officer
Ph:-011-23414250

Copy to :-

1. **The University Engineer/ Engg Deptt, North Campus, University of Delhi, Delhi.**

17

INSPECTION REPORT

1. Name & address of the building : Chemistry Lab at Delhi University of Delhi, North Campus, Delhi-110007.
2. Type of Occupancy : Educational (Basement, ground plus 05 floors)
3. Type of Case :New
4. Details of previous NOC : Nil
5. Fire Safety directives letter No : F6/DFS/MS/BP/2011/829 dated 09.05.2011.
6. Date of inspection : 16.02.2017
7. Name of the Inspecting Officers : Dharmpal Bhardwaj/DCFO(WZ), Suresh Singh/ DO(NWD) &Rajesh Kumar /ADO (RN)
8. Name and designation of officers from the building side : Mr Rajender Singh (Exec. Engr/Elec., D.U)
9. Year of Construction : 2015-16
10. Applicant's letter No. :UE/4173/DU/2016-17/ dated 18.01.2017

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			
	• Road width	9m	12m	MR
	• Gate width	4.5 m	5 m	MR
	• Width of internal road	06 Mtr	06mtr	MR
2	Number, Width, Type & Arrangement of Exits			
	c. Number of staircases			
	• Upper Floors	4 nos	04 nos	MR
	• Basements	03nos+ 02 ramp	03 nos + 02 ramp	MR
	d. Width of staircases			
	• Upper Floors	1.50m each	1.50m x 4	MR
	• Basements	1.50m each	1.50m X 3 Ramp 4.0m each	MR
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	Required	Provided	MR
	g. No. of continuous staircases to terrace	4nos	4nos	MR
	h. Width of Corridor	1.50m	Provided	MR

2/8

	i. Door Size	1m in class rooms and 1.50 m in lecture hall	Provided	MR
3	Compartmentation.			
	• Fire check door	Required	provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	Required	Provided	MR
	• Water Curtain	Required	Provided in basement	MR
	• Fire Dampers	N/A	N/A	N/A
4	Smoke Management System.			
	• Basements	30ACPH	Fresh air ducts provided in basement	MR
	• Upper floors	12ACPH	Natural Ventilated	MR
5	Fire Extinguishers			
	• Total numbers	50nos	50 nos	MR
	• Types	ISI marked	WCO2-5, Co2-15 & ABC-30	MR
	• IS marking	Required	Provided	MR
6	First-Aid Hose Reels.			
	• Total numbers on each floor	04 nos	04 nos each	MR
	• Length of hose reel hose	30m	30m	MR
	• Nozzle diameter	5mm	5mm	MR
7	Automatic fire detection and alarming system.			
	• Type of detectors	Required	Provided	MR
	• Location of Main Panel	G.F	Provided	MR
	• Location of Repeater Panel	Required	Provided	MR
	• Alternate source of power	Required	Provided	MR
	• Hooters' Location	At strategic locations	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public Address System.	Required	provided	MR
10	Automatic Sprinkler System.			
	• Basement	Required	Provided	MR
		NA	NA	NA

N/9

	<ul style="list-style-type: none"> • Upper Floor • Sprinkler above false ceiling 	Required	Provided	MR
11	Internal Hydrants			
	<ul style="list-style-type: none"> • Size of riser/down-comer 	150mm	Provided not functional	NMR
	<ul style="list-style-type: none"> • Number of hydrants per floor 	04 nos each	Provided	MR
	<ul style="list-style-type: none"> • Hose Box 	04nos each	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> • Total number of hydrants 	09nos	09 nos	MR
	<ul style="list-style-type: none"> • Hose Box 	05	09 nos	MR
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> ➤ Ground Level 			
	<ul style="list-style-type: none"> ➤ Discharge of main Pump 	2280 Lpm	2280 LPM	MR
	<ul style="list-style-type: none"> ➤ Head of Main pump 	70 mtr	70 mtr	MR
	<ul style="list-style-type: none"> ➤ Number of main pumps 	2nos	2nos	MR
	<ul style="list-style-type: none"> ➤ Jockey Pump out put 	180 LPM	180 LPM	MR
	<ul style="list-style-type: none"> ➤ Jockey pump head 	70 mtr	70 mtr	MR
	<ul style="list-style-type: none"> ➤ Standby Pump out put 	2280LPM DG	2280 LPM	MR
	<ul style="list-style-type: none"> ➤ Standby Pump Head 	70 mtr	70 mtr	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	900 lpm	MR
	<ul style="list-style-type: none"> ➤ Head of the pump 	40m	40m	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 	10,000ltrs	10,000ltrs	MR
	<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	MR
	<ul style="list-style-type: none"> • Overhead Tank capacity 	25,000 ltrs	25,000 ltr.	MR
15	Exit Signage.			
		Required	Provided	MR

2/10

16	Provision of Lifts.			
	• Pressurization of Lift Shaft	Required	Provided	MR
	• Pressurization of Lift lobby	Required	Provided	MR
	• Communication In lift Car	Required	Provided	MR
	• Fireman's Grounding Switch	Required	Provided	MR
	• Lift Signage	Required	Provided	MR
17	Standby power supply	Required	Provided DG Set	MR
18	Refuge Area.			
	➤ Total Area	NA	NA	NA
	➤ Location	NA	NA	NA
19	Fire Control Room			
	• Detector System Panel	Required	Provided	MR
	• Flow Switch Panel	Required	Provided	MR
	• PA System Panel	Required	Provided	MR
	• Batter backup	Required	Provided	MR
	• Building Floor Plans	Required	Provided	MR
20	Special Fire Protection Systems for Protection of special Risks, if any:	Required	provided in Electrical Panel Room	MR

The fire protection systems provided in the building were tested/ checked randomly and found in good working condition, at the time of inspection. **The management has complied all the shortcomings issued and communicated by this department vide letter of even no. 2538 dated 26.10.2016.**

Keeping in view the satisfactory compliance of the minimum standard on fire prevention and fire safety requirements as per fire safety guidelines issued vide letter of even no. 829 dated 09.05.2011, it is recommended to issue Fire Safety Certificate.

Sh Dharampal Bhardwaj
Dy CFO/ WZ

[Handwritten signature]
22/2/17

Sh Suresh Singh
DO/NWD

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17.2.17

Rajesh Kumar
ADO/RN

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17/2/17

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CFO WZ
22/2/17