

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**HEADQUARTERS: DELHI FIRE SERVICE: CANNAUGHT PLACE**  
**NEW DELHI- 110 001**

No. F6/DFS/MS/2014/SZ/1066

Dated: 26/08/14

**FIRE SAFETY CERTIFICATE**

Certified that the Terminal 3 Building, IGI Airport, New Delhi, comprises of two basement, ground plus five upper floors was granted NOC by this department vide letter No. F6/DFS/MS/2010/2224, dated 28-07-2010. The premises was re-inspected by the officers concerned of this department on 14-08-2014 in the presence of Sh. Mohan H Kadam (General Manager Fire) and found that the said terminal 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 premises is fit for occupancy class Assembly (D-5) with effect from .26/08/...2014 for 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.

Issued on .26/08/ 2014 at New Delhi by.



(Dr.G.C.Misra)

Chief Fire Officer

T.No.011-23414333

Copy to:-,

Mohan H Kadam (General Manager),  
Airport Rescue & Fire Fighting,  
Delhi International Airport (P) Ltd.

New Delhi-110037.

**Conditions for the validity of fire safety certificate are overleaf:-**



### CONDITIONS:

1. All the means of escape shall be kept free of all type of obstruction all the time.
2. All the employees shall be acquainted with the use and maintenance of all fire equipments and method of smooth and speedy safe evacuation of occupants in case of emergency.
3. All the fire fighting equipments shall be maintained in perfect working condition all the time and any lapse rendering non-functional of fire safety measures, management shall be responsible.
4. Any deviation, with regards to construction, ventilation, occupancy, electric installation etc. may be got verified from the concerned authorities.
5. This Fire Safety Certificate may not be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
6. The owner / occupier shall submit a declaration every year in form 'K' provided in the first schedule of Delhi Fire Service Rule 2010. The form is available on [www.dfs.delhigovt.nic.in](http://www.dfs.delhigovt.nic.in).
7. The owner/occupier shall apply for renewal of this Fire Safety Certificate in form J, six month prior to its expiry.

## INSPECTION REPORT

A/16

1. Name & address of the building: Terminal 3, IGI Airport, New Delhi.
2. Building comprises of :B1+B2+G+5
3. Type of Occupancy : D5(Assembly)
4. Type of Case : Renewal of Fire NOC
5. Details of previous NOC : F6/DFS/MS/2010/2224 dated 28.07.2010.
6. Fire Safety directives Letter No. : F6/DFS/MS/2007/1781, dated 05.07.2007.
7. Date of inspection : 14.08.2010
8. Name of the Inspecting Officer : Atul Garg (Dy.CFO) and Vedpal (ADO).
9. Name and designation of Officer  
from the building side : Sh. Mohan H Kadam (General Manager Fire).
10. Year of Construction : 2010
11. Applicant's letter No. : Form J dated nil.

S No	Minimum standards on fire prevention and fire safety U/R 33	Old NOC Requirements	Provided at site	Remarks MR/NMR
1.	Access of building			
	• Road width	9 M	>9M	MR
	• Gate width	5 M	>5M	MR
	• Width of internal road	6 M	> 6 M	MR
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases			
	• Upper floors	79nos.	79nos.	MR
	• Basements	14nos.	14nos.	MR
	b. Width of staircases			
	• Upper floors	1.5m	1.9m	MR
	• Basements	1.5 m	1.9m	MR
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	Required	Provided	MR
	d. No of continuous staircase to terrace	01no.	01no.	MR
	e. Width Of Corridor	1.5 m	2.5 m	MR
	f. Door Size	1.5 m	2.5 m	MR



M/17

3.	Compartmentation			
	<ul style="list-style-type: none"> <li>• Fire check door</li> </ul>	Required	Provided	MR
	<ul style="list-style-type: none"> <li>• Sealing of electrical shafts</li> </ul>	Required	Provided	MR
	<ul style="list-style-type: none"> <li>• Fire Rating of shaft door</li> </ul>	1 Hrs.	1 Hrs.	MR
	<ul style="list-style-type: none"> <li>• Water Curtain</li> </ul>	Required	Provided (Deluge system installed)	MR
	<ul style="list-style-type: none"> <li>• Fire Dampers</li> </ul>	Required	Provided	MR
4.	Smoke managements System			
	<ul style="list-style-type: none"> <li>• Basements</li> </ul>	30 a/c per hour	Provided	MR
	<ul style="list-style-type: none"> <li>• Upper floors</li> </ul>	12 a/c per hour	Automatic Smoke Extraction System integrated with Fire Alarm System provided.	MR
5.	Fire Extinguishers			
	<ul style="list-style-type: none"> <li>• Total numbers</li> </ul>	3780nos.	3780 nos.	MR
	<ul style="list-style-type: none"> <li>• Types</li> </ul>	Water Co <sub>2</sub> , DCP, CO <sub>2</sub> , Foam	Water Co <sub>2</sub> , DCP, Co <sub>2</sub> , Foam type	MR
	<ul style="list-style-type: none"> <li>• IS marking</li> </ul>	ISI marked	ISI marked.	MR
6.	First – Aid Hose Reels			
	<ul style="list-style-type: none"> <li>• Total numbers on each floor</li> </ul>	Total	Total – 458 27+17+128+64+36+36+16+13+64+57	MR
	<ul style="list-style-type: none"> <li>• Length of hose reel hose</li> </ul>	30m	30m	MR
	<ul style="list-style-type: none"> <li>• Nozzle diameter</li> </ul>	6mm	6mm	MR
7.	Automatic fire detection and alarming system			
	<ul style="list-style-type: none"> <li>• Type of detectors</li> </ul>	Multi Sensor, Laser, Heat, VESDA	Multi Sensor, Laser, Heat, VESDA	MR
	<ul style="list-style-type: none"> <li>• Location of Main Panel</li> </ul>	Ground floor	Ground floor	MR
	<ul style="list-style-type: none"> <li>• Location of Repeater Panel</li> </ul>	FCC	FCC	MR
	<ul style="list-style-type: none"> <li>• Alternate source of power</li> </ul>	Required	UPS/Generator/Batteries	MR
	<ul style="list-style-type: none"> <li>• Hooters' Location</li> </ul>	Required	All Corridor, Exit gate, Passenger management area addressable	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Available at All level in Passenger movement area Main panel at FCC for announcement	MR
10.	Automatic Sprinkler System			
	<ul style="list-style-type: none"> <li>• Basements</li> </ul>	Required	All area protected with sprinkler	MR
	<ul style="list-style-type: none"> <li>• Upper Floor</li> </ul>	Required	All area protected with sprinkler	MR
	<ul style="list-style-type: none"> <li>• Sprinkler above false ceiling</li> </ul>	Required	All area protected with sprinkler	MR

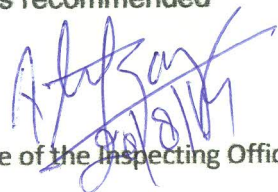


11.	Internal Hydrants				
	<ul style="list-style-type: none"> <li>• Size of riser</li> <li>• Number of hydrants per floor</li> <li>• Hose Box</li> </ul>	150 mm	200 mm	MR	
		Required	Total = 561 31+17+112+103+104+43+16+14+64+57		MR
		Required	Total = 561 31+17+112+103+104+43+16+14+64+57		MR
12.	Yard Hydrants				
	<ul style="list-style-type: none"> <li>• Total number of hydrants</li> <li>• Hose Box</li> </ul>	154nos.	154nos.	MR	
		154nos.	154nos.	MR	
13.	Pumping Arrangements				
		HYDRANT		SPRINKLER	
	<ul style="list-style-type: none"> <li>• Ground Level</li> <li>• Discharge of main pump</li> <li>➤ Head of main pump</li> <li>➤ Number of main pumps</li> <li>➤ Jockey pump out put</li> <li>➤ Jockey pump head</li> <li>➤ Standby Pump out put</li> <li>➤ Standby Pump Head</li> <li>➤ Auto Staring/Manual stopping</li> <li>➤ Pump House Access</li> <li>• Terrace level</li> <li>➤ Discharge of pump</li> <li>➤ Head of the pump</li> <li>➤ Power supply</li> <li>➤ Auto starting of pump</li> </ul>			MR	
		2280 LPM(Each)	4731 LPM Sprinkler – 3785 LPM		MR
		70meters.	130 Meter	70 Meter	MR
		01+01no.	01+01no.		MR
		280LPM(Each)	280LPM +280LPM		MR
		80m(Each)	130m	80m	MR
		2280(Each)	4731LPM	3785LPM	MR
		80(Each)	130m	80m	MR
		Required	Provided		MR
		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.	
	N.A.	N.A.		N.A.	
14.	Captive water Storage for fire fighting				
	<ul style="list-style-type: none"> <li>• Underground tank capacity</li> <li>➤ Draw off connection</li> <li>➤ Fire service inlet</li> <li>➤ Access to tank</li> <li>• Overhead Tank capacity</li> </ul>	6Lakh Liters	6 Lakh Liters	MR	
		Required	Provided (6 Nos.)		MR
		Required	Provided (06 Nos.)		MR
		Required	Provided		MR
		N.A.	N.A.		N.A.
15	Exit Signage	Required	Provided	MR	
16.	Provision of Lifts				
	➤ Pressurization of Lift Shaft	Required	Provided	MR	
	➤ Pressurization of	Required	Provided	MR	

Terminal-3 Building 1G1 Air Port New Delhi N/19.

	lift lobby			
	➤ 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 (UPS/ DG Set)	MR
18.	Refuge Area			
	➤ Total area	500 Sq.m	Above 500 Sq. m	MR
	➤ Location	Departure Longe	The departure Lounge area can be used. as	MR
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	Gas Suppression system(NOVEC 1230, Co2 Flooding system, Trace tube and FM 200 in all electric panels and sub stations.	MR

The fire protection systems provided in the building were test checked at random and found functional at the time of inspection. In view of the deemed compliance of the minimum standards on fire prevention and fire safety required under the rules the NOC issued vide letter No.F.6/DFS/MS/2010/2224, dated 28.07.2010 renewal under rule 35 of the Delhi Fire Service Rule 2010 is recommended



Signature of the Inspecting Officer

Name :Atul Garg

Designation :Dy.Chief Fire Officer



Signature of the Inspecting Officer

Name :Vedpal

Designation: Assistant Divisional Officer