

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI- 110 001

No. *FB/DFSM/2017/521 16*

Dated: *04/01/17*

FIRE SAFETY CERTIFICATE

Certified that the Terminal-2 Building, at IGI Airport, New Delhi-110037, comprises of ground, mezzanine & first floor only, owned/occupied by Delhi International Airport Limited, 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 officers concerned of Fire Service on 16.12.2016 in the presence of Sh. Hrishikesan, General Manager Fire Service and found that the said terminal building ground and first floor only is fit for occupancy class Assembly (D-5) with effect from *....04/01/2017* 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 *....04/01/2017* at New Delhi by.

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(Vipin Kental)

Chief Fire Officer

T.No.011-23412225

Copy to:-General Manager, Airport Rescue & Fire Fighting,
Delhi International Airport (P) Ltd. New Delhi-110037.

Conditions for the validity of fire safety certificate are as under:-

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.
7. The owner/occupier shall apply for renewal of this Fire Safety Certificate in form J, six month prior to its expiry.
8. The fire safety certificate is for ground and first floor only. The mezzanine floor is not included in this FSC & will not be used for any operational purpose.

INSPECTION REPORT

1. Name & address of the building: Terminal-2 Building, IGI Airport, New Delhi-110037.
2. Building comprises of : Ground, mezzanine, 1st and mezzanine floors. Both mezzanine floors are sealed by owner/occupier and are not in use.
3. Type of Occupancy : D5(Assembly)
4. Type of Case : New Case.
5. Details of previous NOC : F6/DFS/MS/96/1437, dated 31.10.1996 for visitors lounge only.
6. Fire Safety directives Letter No. : Nil.
7. Date of inspection : 16.12.2016.
8. Name of the Inspecting Officer : A.K.Malik (D.O) and Vedpal (ADO).
9. Name and designation of Officer
from the building side : Sh. Hrishikesan (General Manager Fire).
10. Year of Construction : Prior to 1983.
11. Applicant's letter No. : ARFF/DIAL/01/2016-17/09, dated 17.07.2016.

S No	Minimum standards on fire prevention and fire safety U/R 33	Requirements as per BBL 1967	Provided at site	Remarks MR/NMR
1.	Access of building			
	• Road width	Required	>9M	MR
	• Gate width	N.A.	N.A.	N.A.
	• Width of internal road	N.A.	N.A.	N.A.
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases	Required	Provided	MR
	• Upper floors	05nos.	05nos. +01 ramp	MR
	• Basements	N.A.	N.A.	N.A.
	b. Width of staircases			
	• Upper floors	6 feet 6 inch	2m(each)+ramp=6m	MR
	• Basements	N.A.	N.A.	N.A.
	c. Protection of exits			
	• Fire check door	N.A.	Provided	N.A.
	• Pressurization	N.A.	N.A.	N.A.
	d. No of continuous staircase to terrace	N.A.	N.A.	N.A.
	e. Width Of Corridor	N.A.	N.A.	N.A.
	f. Door Size	2 feet 8 inch	1.75m/1m	MR
3.	Compartmentation			
	• Fire check door	N.A.	Provided	N.A.
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	N.A.	1 Hrs.	N.A.
	• Water Curtain	N.A.	N.A.	N.A.
	• Fire Dampers	N.A.	Provided	N.A.
4.	Smoke managements System			
	• Basements	N.A.	N.A.	N.A.
	• Upper floors	12 a/c per hour	Automatic Smoke Extraction System integrated with Fire Alarm System provided.	MR
5.	Fire Extinguishers			
	• Total numbers	100nos.	107 nos.	MR
	• Types	Water CO ₂ , DCP, CO ₂ , Foam	Water CO ₂ , DCP, CO ₂ , Foam type	MR

6.	First - Aid Hose Reels	• Total numbers on each floor	N.A.	19Nos.	N.A.
		• Length of hose reel hose	N.A.	30m	N.A.
		• Nozzle diameter	N.A.	5mm	N.A.
7.	Automatic fire detection and alarming system				
	• Type of detectors	N.A.	Beam, Heat & Smoke	N.A.	
	• Location of Main Panel	N.A.	Ground floor	N.A.	
	• Location of Repeater Panel	N.A.	Fire Control Centre	N.A.	
	• Alternate source of power	N.A.	UPS/Generator/Batteries	N.A.	
	• Hooters' Location	N.A.	All Corridor, Exit gate & Passenger movement areas	N.A.	
8.	MOEFA	N.A.	Provided	N.A.	
9.	Public Address System	N.A.	Available at All level in Passenger movement areas	N.A.	
10.	Automatic Sprinkler System				
	• Basements	N.A.	N.A.	N.A.	
	• Upper Floor	N.A.	Provided	N.A.	
	• Sprinkler above false ceiling	N.A.	Provided	N.A.	
11.	Internal Hydrants				
	• Size of riser	N.A.	150 mm	N.A.	
	• Number of hydrants per floor	N.A.	19Nos.	N.A.	
	• Hose Box	N.A.	19Nos.	N.A.	
12.	Yard Hydrants				
	• Total number of hydrants	N.A.	15nos.	N.A.	
	• Hose Box	N.A.	15nos.	N.A.	
13.	Pumping Arrangements				
	• Ground Level	N.A.	2850 LPM(Each)	N.A.	
	• Discharge of main pump	N.A.	70 Meter (Each)	N.A.	
	➤ Head of main pump	N.A.	01+01no.	N.A.	
	➤ Number of main pumps	N.A.	280LPM(Each)	N.A.	
	➤ Jockey pump out put	N.A.	60m(Each)	N.A.	
	➤ Jockey pump head	N.A.	2850LPM	N.A.	
	➤ Standby Pump out put	N.A.	70m	N.A.	
	➤ Standby Pump Head	N.A.	Provided	N.A.	
	➤ Auto Staring/Manual stopping	N.A.	Provided	N.A.	
	➤ Pump House Access	N.A.	Provided	N.A.	
	• Terrace level	N.A.	N.A.	N.A.	
	➤ Discharge of pump	N.A.	N.A.	N.A.	
	➤ Head of the pump	N.A.	N.A.	N.A.	
	➤ Power supply	N.A.	N.A.	N.A.	
	➤ Auto starting of pump	N.A.	N.A.	N.A.	
14.	Captive water Storage for fire fighting				
	• Underground tank capacity	N.A.	5 Lakh Liters	N.A.	
	➤ Draw off connection	N.A.	Provided	N.A.	
	➤ Fire service inlet	N.A.	Provided	N.A.	
	➤ Access to tank	N.A.	Provided	N.A.	
	• Overhead Tank capacity	N.A.	N.A.	N.A.	
15.	Exit Signage	Required	Provided	MR	
16.	Provision of Lifts				
	➤ Pressurization of Lift Shaft	N.A.	N.A.	N.A.	
	➤ Pressurization of lift lobby	N.A.	N.A.	N.A.	
	➤ Communication in lift Car	N.A.	Provided	N.A.	
	➤ Fireman's Grounding Switch	N.A.	Provided	N.A.	

Terminal-2 building, 191^{N14} Air Port, New Delhi.

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.	Provided	N.A.
	➤ Flow Switch Panel	N.A.	N.A.	N.A.
	➤ PA System Panel	N.A.	Provided	N.A.
	➤ Batter backup	N.A.	Provided	N.A.
	➤ Building Floor Plans	N.A.	Provided	N.A.
20.	Special Fire Protection Systems for Protection of special Risks, if any;	N.A.	Gas Suppression system(NOVEC 1230, Co2 Flooding system, Trace tube and FM 200 in all electric panels and sub stations.	N.A.

The fire protection systems provided in the building were test checked at random and found functional at the time of inspection. Keeping in view the substantial compliance of the minimum standards on fire prevention and fire safety required under the rules it is recommended to grant Fire Safety Certificate under rule 35 of the Delhi Fire Service Rules 2010.


Accordingly DFA is put up for your approval and signature please.


20/11/17

Signature of the Inspecting Officer

Name : A.K. Malik

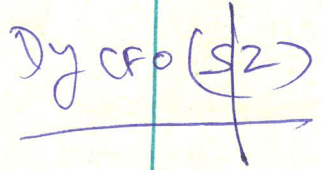
Designation : Divisional Officer


31/12/16

Signature of the Inspecting Officer

Name : Vedpal

Designation: Assistant Divisional Officer


Dy CFO (S2)

