

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**

**HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI- 110 001**

NO. F6/DFS/MS/2015/52/04

Dated: 01/01/16

**FIRE SAFETY CERTIFICATE**

Certified that M/S Air Traffic Control (ATC) Tower Building at IGI Airport, New Delhi-37, comprised of ground plus twenty six upper floors, owned/occupied by Airport Authority of India, Ministry of Civil Aviation, Govt. of India 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 this department on dated 11.12.15 in the presence of Sh. Shyam Midha (Construction Manager) and that the building is fit for occupancy class "Business Occupancy" with effect from 01/01/16 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 Delhi Fire Service Rules,2010.

Issued on 01/01/16 at New Delhi by



(Dr.G.C.Misra)

Chief Fire Officer

T.No.011-23414333

Copy to:- Sh. Naresh Chand, Asstt.Gen.Manager(E.E.), Regional Headquarters, Northern Region, Operational Offices, Gurgaon Road, 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](http://www.dfs.delhigovt.nic.in)
7. The owner/occupier shall apply for renewal of this Fire Safety Certificate, six month prior to its expiry.

## INSPECTION REPORT

1. Name & address of the building : ATC Tower at IGI Airport, New Delhi-37.
2. Building comprised of : G+26.
3. Type of Occupancy : Business.
4. Type of Case : New Case.
5. Details of Previous NOC : Nil.
6. Fire Safety direction letter No : F6/DFS/MS/BP/2011/2620, dated 20.10.11.
7. Date of Inspection : 11.12.2015
8. Name of the Inspecting Officers : D.P.Bhardwaj (D.O.) and Vedpal (ADO).
9. Name and designation of Officer from the building side : Sh. Shyam Midha (Construction Manager).
10. Year of Construction : 2015.
11. Applicant's letter No : AAI/NATS/E-E/2015-16/1697, dated 28.09.15.

S.No	Minimum Standards on fire prevention and fire safety as per Rules.	Requirement	Provided at Site	Remarks MR/NMR
1	Access to building			
	Road width	9 m	9m	MR
	Gate width	6m	6m.	MR
	Width of internal road	6m	6m	MR
2	Number, Width, Type and Arrangement of Exits.			
	a. Number of Staircases			
	Upper Floor	1no.	1no.	MR
	Basement	N.A.	N.A.	N.A.
	B. Width of Staircases			
	Upper Floor	1.5m	1.5m	MR
	Basement	N.A.	N.A.	N.A.
	c. Protection of exits			
	Fire check door	Required	Provided	MR
	Pressurization	Required	Provided	MR
	e. No. of continuous staircases to terrace	N.A.	N.A.	N.A.
g. Width of Corridor	N.A.	N.A.	N.A.	
h. Door Size	1m	1m	MR	
3	Compartmentation			
	Fire check door	Required	Provided	MR
	Sealing of electrical shafts	Required	Provided	MR
	Fire rating of shaft door	N.A.	N.A.	N.A.
	Water curtain	N.A.	N.A.	N.A.
	Fire Dampers	Required	Provided	MR
4	Smoke Management System.			
	Basement	30a/c per hour	N.A	N.A
	Upper floor	15 a/c per hour	Natural Ventilation ✓	MR
5.	Fire Extinguisher			
	Total numbers	30 nos.	30 nos.	MR
	Types	ABC&WCO <sub>2</sub>	ABC&WCO <sub>2</sub>	MR
	IS marking	ISI marked	ISI marked	MR
6	First-aid-Hose Reels.			
	Total numbers of each floor at G,1,2,21,22,23,24,25 & 26 <sup>th</sup> floors.	01no.	01no.	MR.
	Length of hose reel hose	30m	30m	MR.
	Nozzle diameter	5cm	5cm	MR.
7	Automatic fire detection and alarming system.			
	Type of detectors	Heat & Smoke	Heat & Smoke	MR
	Location of main panel	Ground Floor	Ground Floor	M R
	Location of repeater panel	Fire Control Room	Fire control room	M R
	Alternate source of power			M R

ATC Tower at IGI Airport, New Delhi-37.

8	MOEFA	Required	Provided	M R
9	Public address System.	N.A.	N.A.	N.A.
10	Automatic Sprinkler System.			
	Basement	N.A.	N.A.	N.A.
	upper floor(other than electric and electronics areas)	Required	Provided	MR
	sprinkler above false ceiling(other than electric and electronics areas)	Required	Provided	MR
11	Internal Hydrants			
	size of riser/down-comer	100mm	100mm	M R
	Number of hydrants per floor at G, 1,2,21,22,23,24,25 &26 <sup>th</sup> floors.	01no.	01no.	M R
	Hose Box at G, 1,2,21,22,23,24,25 &26 <sup>th</sup> floors.	1no.	01no.	M R
12	Yard Hydrants.			
	Total number of hydrants	N.A.	N.A.	N.A.
	Hose Box	N.A.	N.A.	N.A.
13	Pumping Arrangements. (Fire pump house is common for tower, ACC & TBB building)			
	➤ Ground Level	Required	Provided	MR
	➤ Discharge of main Pump	3785 lpm	3785 lpm	MR
	➤ Head of Main Pump	135 lpm	135 lpm	MR
	➤ Number of main pumps	01no.	01no.	MR
	➤ Jockey pump out put	180 lpm	180 lpm	MR
	➤ Jockey pump head	135 m	135m	MR
	➤ Standby pump out put	3785 lpm	3785 lpm	MR
	➤ Standby pump Head	135m	135m	MR
	➤ Auto Starting /Manual stopping	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	➤ 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 water storage tank is common)			
	Underground tank capacity	260000Liters	260000Liters	MR
	Draw-off connection	Required	Provided	MR
	Fire service inlet	Required	Provided	MR
	Access to tank	Required	Provided	MR
	Overhead Tank capacity	N.A.	N.A.	N.A.
15	Exit Signage.	Required	Provided	M R
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	Required	Provided	MR
	Firemen's grounding switch	Required	Provided	MR
	Lift Signage	Required	Provided	MR
17	Standby power supply(Common for entire complex)	Required	2000KVA(Three)	M R
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	Required	Provided	MR
	Flow switch panel	Required	Provided	MR
	PA system panel	N.A.	N.A.	N.A.
	Battery backup	Required	Provided	MR
	Building Floor Plans	Required	Provided	MR
20	Special Fire Protection systems for protection of special Risks, if any:	Automatic gas suppression system required in electronic area at 25 <sup>th</sup> & 26 <sup>th</sup> floors	Provided	MR

The fire protection systems provided in the building were test checked at random and found functional at the time of inspection. The shortcomings communicated vide this office letter of even number, dated 01.09.2015 have been complied except short coming mentioned at sr. no.04. In compliance of shortcoming at sr. no. 04 the party has increased the head of hydrant pump, DG driven pump and jockey pump of existing fire fighting pumps just below the ATC Tower in ACC Building which meets the requirements.

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 kind consideration please.

Signature of the Inspecting Officer

Name: D.P.Bhardwaj

Designation Divisional Officer



Signature of the Inspecting Officer

Name: Vedpal

Designation Assistant Divisional Officer

