

FORM 'H'
FORM FOR ISSUING FIRE SAFETY CERTIFICATE

[Refer sub - rule (1) of rule 35]

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEAD QUARTERS: DELHI FIRE SERVICE, CONNAUGHT PLACE
NEW DELHI

No. F6/DFS/MS/2021/43

Dated: 20/01/2021

FIRE SAFETY CERTIFICATE

Certified that the Metro Station at Delhi Aerocity, Near Mahipalpur, IGI Air port, New Delhi-110037, comprised of four levels (undercroft and platform below ground level, concourse at ground floor and 1st floor for service only) owned / occupied by Delhi Metro Rail Corporation, was granted Fire Safety Certificate by this department vide letter No. F6/DFS/MS/DMRC/2017/722 dated 19/05/2017. The premises was re-inspected by the officer concerned of this department on 12/01/2021 in the presence of Mr. Ravinder Kaushik (Fire Inspector) and observed that all the Fire prevention and Fire Safety arrangements provided in the premises found in good working condition. The premises have therefore, deemed complied with rule 33 of the Delhi Fire Service rules, 2010 and that the building / premises is fit for occupancy Class "Assembly" (Group D Sub Division D - 7) with effect from 20/01/2021 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 conditions under 38 of the Delhi Fire Service rules, 2010.

Issued on 20/01/2021 at New Delhi by.


(SUNIL CHAWDHARY)
DY. CHIEF FIRE OFFICER (S.Z.)

Copy to:

- ok dk
1. Sh. Vivek Srivastava (JGM/E&M), Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001.

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. Any loss of life or property due to non-functional fire safety measures shall be at the risk and responsibility of the management.
3. The trained staff should be available round the clock.
4. Any deviations w.r.t. construction shall be verified by the concerned building sanctioning agency.
5. The basement shall be used as per building bye laws 1983.
6. The certificate may not be treated in any case for the regularization of the unauthorized construction, if any.
7. 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.
8. "The owner / Occupier shall apply for renewal of this Fire Safety Certificate to the Director in Form 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, six months prior to its expiry".

INSPECTION REPORT

1. Name & address of the building: **Metro Station at Delhi Aerocity, Near Mahipalpur, IGI Air port, New Delhi-110037.**
2. Type of Occupancy : Assembly (Group -D)
3. Type of Case : Renewal (Metro Station of four levels comprised of undercroft and platform below ground level and concourse at ground floor. First floor service only.
4. Details of previous NOC : F6/DFS/MS/DMRC/2017/722 dated 19/05/2017
5. Fire Safety directives Letter No. : F6/DFS/MS/BP/2009/3889, Dated 23.12.2009.
6. Date of inspection : 12/01/2021
7. Name of the Inspecting Officers : ADO(S.J.)
8. Name and designation of Officer from the building side : Mr. Ravinder Kaushik (Fire Inspector)
9. Year of Construction : 2010
10. Applicant's letter received through email ID-pushkar.singh3@gmail.com dated 17/12/2020

S No	Minimum standards on fire prevention and fire safety U/R 33	NFPA / NBC Requirements	Provided at site	Remarks MR/NMR
1.	Access of building			
	• Road width	12 m	Provided	MR
	• Gate width	On road	On road	MR
	• Width of internal road	NA	NA	NA
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases			
	• Upper floors	2	2	MR
	• Basements	Total=8 (UC to PF=2, PF to Concourse = 8)	Total=8 (UC to PF=2, PF to Concourse = 8)	MR
	b. Width of staircases			
	• Upper floors	1.5m (each)	1.5m (each)	MR
	• Basements	C.G 2400mm (min each)	1.5m (each)	MR
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	Required	Provided	MR
	d. No of continuous staircase to terrace	NA	NA	NA
	e. Width Of Corridor	2.5 m	2.5 m	MR
	f. Door Size	2m	2m (final exit)	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	NA	NA	NA
	• Fire Dampers	Required	Provided	MR
4.	Smoke managements System			
	• Basements	30 ACPH	As per Engg analysis (Subway enrolment simulation) & computational fluid dynamics	MR
	• Upper floors	12 ACPH		
5.	Fire Extinguishers			
	• Total numbers	120	122	MR
	• Types	ABC/CO ₂ /WCO ₂ /Foam/DCP	ABC/CO ₂ /WC O ₂ /Foam/DCP	MR
	• ISI marking	ISI	Provided	MR

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6.	First – Aid Hose Reels			
	• Total numbers on each floor	Concourse=5,Platform=8 & 1 st F=1	Concourse=5,Platform=8 & 1 st F=1	MR
	• Length of hose reel hose	30 Mtr.	30 Mtr.	MR
	• Nozzle diameter	5 mm	5 mm	MR
7.	Automatic fire detection and alarming system			
	• Type of detector	Smoke & Heat	Smoke & Heat	MR
	• Location of Main Panel	Required	Provided at Concourse level to GF	MR
	• Location of Repeater Panel	N/A	N/A	N/A
	• Alternate source of power	Required	Provided	MR
	• Hooters' Location	Required	All Areas	MR
8.	MOEFA	Required	Provided	NA
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	• Basements	Required	Provided in unmanned area only	MR
	• Upper Floor	N/A	N/A	N/A
	• Sprinkler above false ceiling	N/A	N/A	N/A
11.	Internal Hydrants			
	• Size of riser/down-comer	150 mm	150 mm	MR
	• Number of hydrants per floor	Concourse=5,Platform=8 & 1 st F=1	Concourse=5,Platform=8 & 1 st F=1	MR
	• Hose Box	Concourse=5,Platform=8 & 1 st F=1	Concourse=5,Platform=8 & 1 st F=1	MR
12.	Yard Hydrants			
	• Total number of hydrants	08	08	MR
	• Hose Box	08	08	MR
13.	Pumping Arrangements			
	• Ground Level			
	• Discharge of main pump	2800 LPM	4500 LPM	MR
	➤ Head of main pump	50 m	80 m	MR
	➤ Number of main pumps	2	2 (1-Hydrant & 1-standby)	MR
	➤ Jockey pump out put	180 LPM x 2	180LPM x 1	MR (Old Case)
	➤ Jockey pump head	50m	80m	MR
	➤ Standby Pump out put	2800 LPM (Electric)	4500LPM (electric)	MR
	➤ Standby Pump Head	50m	80m	MR
	➤ Auto Starting/Manual stopping	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	• Terrace level			
	➤ 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

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14.	Captive water Storage for fire fighting			
	• Under Ground tank capacity	NA	NA	NA
	➤ Draw of connection	Required	Provided	MR
	➤ Fire service inlet	Required	Provided	MR
	➤ Access to tank	Required	Provided	MR
	• Overhead Tank capacity	2,00,000 ltr	2,00,000 ltr at 1 st F.	MR (Old Case)
15.	Exit Signage	Required	Provided	MR
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	DG Set Provided	MR
17.	Standby power supply	Required	Provided	MR
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	Required	Provided	MR
	➤ Battery backup	Required	Provided	MR
	➤ Building Floor Plans	Required	Provided	MR
20.	Special Fire Protection Systems for Protection of special Risks, if any;	Co2 & ABC Type Fire Extinguishers and Inert Gas flooding system	Provided	MR

The fire protection systems provided in the building were test checked and found functional at the time of inspection.

In view of the deemed compliance of the minimum standards on fire prevention and fire safety as required under the rules the NOC issued vide letter no. F6/DFS/MS/DMRC/2017/722 dated 19/05/2017 renewal under rule 35 of the Delhi Fire Service Rules 2010 is recommended.

Ashok Kumar Jaiswal
13/01/2021

Signature of the Inspecting Officer
Name : Ashok Kumar Jaiswal
Designation : A.D.O. (S.J.)

DO (SA)

RMP
13/01

[Signature]

DLFO (S2)

F 7. A. G. S. J.