

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/SZ/2021/Metro/ 280

Dated: 25/06/2021

FIRE SAFETY CERTIFICATE

Certified that the **INA Underground Metro Station of Line-7** located at INA, New Delhi, comprising of three levels (Lower Concourse, Interchange Platform Level & Concourse Ground Level) owned / occupied by Delhi Metro Rail Corporation was earlier issued Fire Safety Certificate / No Objection Certificate by this office vide letter No. F6/DFS/MS/Assembly(UG)/SZ/2018/1467 dated 22/06/2018. The premises was re-inspected by the officer concerned of this department on 11/06/2021 in the presence of Sh. Sanyam Jain (A.M. Fire) 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 25/06/2021 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 25/06/2021 at New Delhi by.

(SUNIL CHAUDHARY)

DI. CHIEF FIRE OFFICER (S.Z.).

Copy to:

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 means of escape / entry / exit shall be kept free from any obstruction.
2. All the fire safety arrangement provided there in shall be maintained in good working conditions at all times.
3. Any Loss of life or property due to non- functional fire safety measure shall be at the responsibility of the management.
4. All the staff members must know the correct method of operation of fire fighting system.
5. This Fire Safety Certificate may not in any way be treated as regularization (Clause 2.8 of UBBL-2016) of unauthorized construction or Alteration (Clause 1.4.3. of UBBL-2016), if any.
6. This certificate cannot be treated in any case for regularizations of unauthorized construction.
7. "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".
8. 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.

3. Type of Case : Renewal {Three Levels (Lower Concourse, Interchange Platform Level & Concourse Ground Level)}
4. Details of previous NOC : F6/DFS/MS/Assembly(UG)/SZ/2018/1467 dated 22/06/2018
5. Fire Safety directives Letter No. : Nil
6. Date of inspection : 11/06/2021
7. Name of the Inspecting Officers : ADO(S.J.)
8. Name and designation of Officer from the building side : Sh. Sanyam Jain (A.M. Fire)
9. Year of Construction : 2018
10. Applicant's letter received through email ID-sanyam.20992@dmrc.org dated 08/06/2021

S No	Minimum standards on fire prevention and fire safety U/R 33	NFPA / NBC Requirements	Provided at site	Remarks
1.	Access of building			MR/NMR
	• Road width	Required	10m	MR
	• Gate width	NA	6m	NA
	• Width of internal road	Approachable	Abut on Road	MR
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases			
	• Upper floors	NA	NA	NA
	• Basements	1. Lower Concourse to Interchange Level-1 Nos+4 Escalator. 2. Lower Concourse to Platform-3 Nos+4 Escalator. 3. Platform to Concourse-3 Nos + 4 Escalator. 4. Interchange Level to Ground Level-1 Nos-2 Escalator.	Provided	MR (50%Capacity of Escalators is counted for evacuation in NFPA)
	b. Width of staircases			
	• Upper floors	NA	NA	NA
	• Basements	1.12m & 0.91m (maintenance staircase)	1. 3.2m + 1m X4Nos. 2. 2.05m, 1.2m & 1m+1mx4nos. 3. 2m, 2m & 1m +1m x 4Nos. 4. 2.67m + 1m x 2Nos.	MR (Based on evacuation calculation submitted by DMRC as per NFPA)
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	Required in Fireman Staircase & Emergency Staircase	Provided	MR
	d. No of continuous staircase to terrace	NA	NA	NA
	e. Width Of Corridor	NA	NA	NA
	f. Door Size	0.91m	1m	MR
3.	Compartmentation			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	30 minute & 3 Hours	Provided	MR
	• Water Curtain	N/A	N/A	N/A
	• Fire Dampers	Required	Provided	MR
4.	Smoke managements System			
	• Basements	Required	Provided	MR
	• Upper floors	NA	NA	NA
5.	Fire Extinguishers			
	• Total numbers	108	108	MR
	• Types	ABC/CO ₂ /W.Co ₂	Provided	MR
	• ISI marking	Required	Provided	MR

6.	First – Aid Hose Reels			
	• Total numbers on each floor	1 No. in ancillary building.09 Nos at Concourse.08 Nos at each Platform & 4 Nos at Interchange Level.	Provided	MR
	• Length of hose reel hose	36 Mtr.	36 Mtr.	MR
	• Nozzle diameter	6 mm	6 mm	MR
7.	Automatic fire detection and alarming system			
	• Type of detector	Smoke & Heat	Provided	MR
	• Location of Main Panel	Station Control Room	Provided	MR
	• Location of Repeater Panel	Required	Provided	MR
	• Alternate source of power	Required	Provided UPS Supply	MR
	• Hooters' Location	All Area	Provided	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	• Basements	Required	Provided	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	1 No. in ancillary building.09 Nos at Concourse.08 Nos at each Platform & 4 Nos at Interchange Level.	Provided	MR
	• Hose Box	1 No. in ancillary building.09 Nos at Concourse.08 Nos at each Platform & 4 Nos at Interchange Level.	Provided	MR
12.	Yard Hydrants			
	• Total number of hydrants	1	Provided	MR
	• Hose Box	1 at ancillary building & 1 Nos at each tunnel portal	Provided	MR
13.	Pumping Arrangements			
	• Ground Level			
	• Discharge of main pump	2839 LPM	Provided	MR
	➤ Head of main pump	75 m for Hydrant & 56 for Sprinkler	Provided	MR
	➤ Number of main pumps	2	Provided	MR
	➤ Jockey pump out put	189 LPM x 2 (each)	Provided	MR
	➤ Jockey pump head	75 m for Hydrant & 56 for Sprinkler	Provided	MR
	➤ Standby Pump out put	2839 LPM x 2	Provided	MR
	➤ Standby Pump Head	75 m for Hydrant & 56 for Sprinkler	Provided	MR
	➤ Auto Staring/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

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 x 1,00,000 ltr	Provided	MR
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	Required	Provided	MR
	➤ Fireman's Grounding Switch	Required	Provided	MR
	➤ Lift Signage	Required	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 in SCR	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;	Clean Agent flooding system for electrical Panels & Transformer	Provided local application with NOVEC1230	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/Assembly(UG)/SZ/2018/1467 dated 22/06/2018 renewal under rule 35 of the Delhi Fire Service Rules 2010 is recommended.

~~DO (SD)~~

~~LINE~~
10/06/21

~~DEFO (S)~~

~~F.F. please~~

~~A...~~

Ashok Kumar Jaiswal
15/06/2021

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

एन सा सा (इंडिया) लिमिटेड
सरकार का सम्पत्ति