

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/Metro/2018/ 737

Dated: 19/4 / 2018

**FIRE SAFETY CERTIFICATE**

Certified that the **MUNDKA INDUSTRIAL AREA (MIA) Metro Station (Elevated)** located at Mundka Industrial Area (MIA), Delhi-41 comprised of Ground Level, Concourse Level, DDA Platform Level, Mid-Landing Level & Platform Level) owned / occupied by Delhi Metro Rail Corporation, have complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rule, 2010 and verified by the officers concerned of this department on 10/04/2018 in the presence of Mr. Parvez Alam (Dy. C.E.E. / E. & M.) and found that the building / premises is fit for the occupancy class "Assembly" Group D Sub Division D-7 (Except PD Area) with effect from ..19/4/18.... 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 the Delhi Fire Service Rules, 2010.

Issued on ....19/4/18..... at New Delhi by.

(ATUL GARG)

CHIEF FIRE OFFICER.

**Copy to:**

1. Sh. Jagdish Kuamr, (Chief General Manager/Electrical/RC-2), Ground Floor, Airport Metro Station, Dhaulakuan, New Delhi-110021.

**Following fire safety directives must be adhered to:-**

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 proposal of PD Area, if any shall be referred to this department separately for approval and FSC.
8. 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](http://www.dfs.delhigovt.nic.in).

21/6  
**INSPECTION REPORT**

1. Name & address of the building: **MUNDKA INDUSTRIAL AREA (MIA) Metro Station (Elevated), MUNDKA INDUSTRIAL AREA (MIA), Delhi-41.**
2. Type of Occupancy : Assembly
3. Type of Case : New (Ground Level, Concourse Level, DDA Platform Level, Mid-Landing Level & Platform Level)
4. Details of previous NOC : Nil
5. Fire Safety directives Letter No. : F6/DFS/MS/BP/2015/2657 dated 18/12/15
6. Date of inspection : 10/04/2018
7. Name of the Inspecting Officers : A.D.O.(Jwp) & D.O. (West)
8. Name and designation of Officer from the building side : Mr. Parvez Alam (Dy. C.E.E. / E. & M.)
9. Year of Construction : 2017-18
10. Applicant's letter No. : Nil

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	On Main Road	On Main Road	MR
	• Gate width	5 mtr	On Main Road	MR
	• Width of internal road	N/A	N/A	N/A
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases			
	• Upper floors	2 + 4	2 + 4	MR
	• Basements	NA	NA	NA
	b. Width of staircases			
	• Upper floors	2 mtr	1. Ground to Concourse:- 4.10 mtr x 2 & 3.50 mtr x 1 2. Concourse to Metro Platform:- 3.80 mtr x 4	MR
	• Basements	NA	NA	NA
	c. Protection of exits			
	• Fire check door	NA	NA	NA
	• Pressurization	NA	NA	NA
	d. No of continuous staircase to terrace	NA	NA	NA
	e. Width Of Corridor	1.50 mtr	Hall	MR
	f. Door Size	1.00 mtr	1.00 mtr	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	N/A	N/A	N/A
	• Fire Dampers	N/A	N/A	N/A
4.	Smoke managements System			
	• Basements	NA	NA	NA
	• Upper floors	NA	NA	NA
5.	Fire Extinguishers			
	• Total numbers	20	30	MR
	• Types	ISI marked ABC/CO <sub>2</sub>	Provided	MR
	• IS marking	Required	Provided	MR

6.	First – Aid Hose Reels			
	• Total numbers on each floor	2	6 at Concourse level & 4 at Platform	MR
	• Length of hose reel hose	45 Mtr.	45 Mtr.	MR
	• Nozzle diameter	6.5 mm	6.5 mm	MR
7.	Automatic fire detection and alarming system			
	• Type of detector	Smoke	Provided	MR
	• Location of Main Panel	Required	Provided	MR
	• Location of Repeater Panel	Required	Provided	MR
	• Alternate source of power	Required	Provided	MR
	• Hooters' Location	Required	Provided	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	• Basements	N/A	N/A	N/A
	• 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	2	3 at Ground Floor, 6 at Concourse level & 4 at Platform	MR
	• Hose Box	Required	Provided	MR
12.	Yard Hydrants			
	• Total number of hydrants	Required	Provided	MR
	• Hose Box	Required	Provided	MR
13.	Pumping Arrangements			
	• Ground Level			
	• Discharge of main pump	1800 LPM	1800 LPM	MR
	➤ Head of main pump	70 mtr	70 mtr	MR
	➤ Number of main pumps	1	1	MR
	➤ Jockey pump out put	180 LPM	180 LPM	MR
	➤ Jockey pump head	70 mtr	70 mtr	MR
	➤ Standby Pump out put	1800 LPM	1800 LPM	MR
	➤ Standby Pump Head	70 mtr	70 mtr	MR
	➤ Auto Staring/Manual stopping	Required	Provided	MR
	➤ Pump House Access	N/A	N/A	N/A
	• 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

14.	Captive water Storage for fire fighting			
	• Under Ground tank capacity	50,000 ltr	50,000 ltr	MR
	➤ Draw of connection	Required	Provided	MR
	➤ Fire service inlet	Required	Provided	MR
	➤ Access to tank	Required	Provided	MR
	• Overhead Tank capacity	10,000 Ltr.	10,000 Ltr.	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	N/A	N/A	
	➤ 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	N/A	N/A	N/A
	➤ PA System Panel	Required	Provided	MR
	➤ Battery backup	Required	Provided	MR
	➤ Building Floor Plans	N/A	N/A	N/A
20.	Special Fire Protection Systems for Protection of special Risks, if any;	NOVEC-1230 flooding for ASS, HT, LT panel	NOVEC-1230 flooding for ASS, HT, LT panel	MR

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

Keeping in view of the substantial compliance of the minimum standards of 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 is recommended.

*Ashok Kumar Jaiswal*  
11/4/18

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

*Mukesh Verma*  
12/4/18

Signature of the Inspecting Officer  
Name : Mukesh Verma  
Designation : D.O. (West)

*Dr. CFO (W2)*  
*CFO West*  
*19/04/18*  
*HT Puri*