



**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**HEAD QUARTERS : DELHI FIRE SERVICE : NEW DELHI – 110001**

No. F6/DFS/MS/2023/ 136

Dated:- 09/03/2023

**FIRE SAFETY CERTIFICATE**

Certified that the **Delhi Gate Underground Metro Station** located at **Near Delhi Gate, New Delhi** is comprised of **Ground floor with two basements/Platform /Concourse & Ancillary building** was earlier granted FSC by this department vide letter **F6/DFS/MS/2020/137** dated **05/03/2020**. Now, the premises was re-inspected by the officer concerned of this department on 23-02-2023 in the presence of Mr. Bhrigu Fukan (AM/Fire) and found that the said Metro Station have deemed complied with the fire prevention and fire safety requirements in accordance with Rule 33 of the Delhi Fire Service Rules, 2010 and that the premises is fit for occupancy class **Assembly Building** with effect from... 09/03/2023... 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 ... 09/03/2023... at New Delhi by.

  
06/03/23  
(S.K. Dua)

Dy. Chief Fire Officer  
Delhi Fire Service

Copy to:-

1. Mr. Bhrigu Fukan, AM/Fire, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi.

**Condition for the validity of Fire Safety Certificate**

1. All the fire safety arrangements provided therein shall be maintained in good working conditions at all times.
2. Any loss of life or property due to non functional fire safety measures shall be at the responsibility of the management.
3. The trained fire fighting staff should be available round the clock.
4. The compliance with regards to electrical installation, structural stability, set back area, occupancy and any deviation in construction etc. shall be verified from authority concerned.
5. This fire safety certificate may not be treated in any case for regularization of unauthorized construction, if any.
6. 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](http://www.dfs.delhigovt.nic.in)
7. The means of escape shall be kept unobstructed / unlocked for unhindered evacuation in case of an emergency.
8. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in form 'J' [sub rule (I) of rule 37] along with a copy of this Certificate, six month prior to its expiry".
9. Any flammable material for interior decoration is prohibited.

219  
**INSPECTION REPORT**

1. Name & address of the building : Delhi Gate Underground Metro Station, New Delhi.
2. Type of Occupancy : Assembly building (D7as Per NBC Part IV 2005)
3. Type of Case : Renewal
4. Details of previous FSC : F6/DFS/MS/2020/137 dated 05/03/2020
5. Fire Safety directives Letter No. : N/A
6. Date of inspection : 23/02/2023
7. Name of the Inspecting Officer : Sh. Rajinder Atwal DO/CD &  
Sh. Ravinder Singh ADO/CC
8. Name and designation of Officer from the building side : Mr. Bhrigu Fukan (AM/Fire)
9. Year of Construction : 2016-17
10. Applicant's letter No. : DMRC/O&M/Fire/NOC/L-6/2023/01/04  
dated 05/01/23

S.No.	Minimum Standards on fire Prevention and fire safety U/R 33	Requirement as per NFPA	Provided at site	Remarks MR/NMR
<b>1.</b>	<b>Access to Building</b>			
	1) Road width	12 mtr.	30 mtr.	MR
	2) Gate width	On road	On road	MR
	3) Width of internal road	N/A	N/A	N/A
<b>2.</b>	<b>Number, Width Type &amp; Arrangement of Exits</b>			
	<b>A. Number of staircases</b>			
	1. Upper floors	N/A	N/A	N/A
	2. Basements	05 Nos. Gr. to concourse concourse to platform, Undercroft to platform	Con. to Gr.- 5 Pal. to Con - 5 U to Con. - 2	MR
	<b>B. Width of staircase</b>			
	1. Upper floors	N/A	N/A	N/A
	2. Basements	C.G. 2400 mr (min.each)	C.G. 2400.mr(min.each) P.C. 2400.mr(min.each)	MR
	<b>C. Protection of exits</b>			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided	MR
	D. No. of continuous staircase to terrace	N/A	N/A	N/A
	E. Width of corridor	2.5 mtr.	2.5 mtr.(min)	MR
	F. Door size	2 mtr.	2 mtr.	MR
<b>3.</b>	<b>Compartmentation</b>			
	1) Fire check door	Required	2 hr. & 4hr. Provided	MR
	2) Sealing of electrical shafts	Required	Provided	MR
	3) Fire rating of shaft door	Required	02 hrs. Provided	MR
	4) Fire curtain	N/A	N/A	N/A
	5) Fire Dampers	Required	Provided	MR
<b>4.</b>	<b>Smoke Management System</b>			
	1) Basements	30 ACPH	As Per Engg. analysis	MR
	2) Upper floors	12 ACPH	(Subway engronment simulation) & computational fluid dynamics	MR
<b>5.</b>	<b>Fire Extinguishers</b>			
	1) Total numbers	103Nos.	61+36+04+02=103	MR



N/10

	2) Types	CO2 & Water gas	45 Kg. CO <sub>2</sub> +6KG ABC+9L water+22.5 KG CO <sub>2</sub>	MR
	3) ISI marking	Required	Provided	MR
<b>6.</b>	<b>First-Aid Hose Reel</b>			
	1) Total number of each floor	24 No. (08 on each floor)	08 Nos. on concourse, 08 Nos. on platform 08 Nos. on Undercroft 8 x 3 = 24	MR
	2) Length of hose reel hose	30 mtr.	30.5 mtr.	MR
	3) Nozzle diameter	05 mm	6.0 mm	MR
<b>7.</b>	<b>Automatic Fire Detection &amp; Alarming System</b>			
	1) Type of detectors	Smoke	Provided	MR
	2) Location of main panel	Concourse	Station (C.R) Concourse	MR
	3) Location of repeater panel	Required	FM staircase. List (Lend)	MR
	4) Alternate source of power	Required	UPS Supply	MR
	5) Hooter's Location	Required	Concourse, platform & Undercroft & Ancillary Building	MR
<b>8.</b>	<b>MOEFA</b>	N/A	Provided	N/A
<b>9.</b>	<b>Public Address System</b>	Required	Provided	MR
<b>10.</b>	<b>Automatic Sprinkler System</b>			
	1) Basement(Under track Mov Nozzle)	Required	Provided	MR
	2) Upper floors	N/A	N/A	N/A
	3) Sprinkler above false ceiling	N/A	N/A	N/A
<b>11.</b>	<b>Internal Hydrants</b>			
	1) Size of riser/down-comer	150 mm.	Riser 150 mm	MR
	2) Number of hydrants per floor <i>4 (Total)</i>	Required	06+17+01 = 24	MR
	3) Hose box per floor	Required	06+17+01 = 24	MR
<b>12.</b>	<b>Yard Hydrants</b>			
	1) Total number of hydrants	01 no	01 no	MR
	2) Hose box	01 no	01 no	MR
<b>13.</b>	<b>Pumping Arrangement</b>			
	1) Ground level			
	a) Discharge of main pump	2839LPM	HYD2839LPM SPK 839LPM	MR
	b) Head of main pump	50 mtr	HYD 90 mm SPK56	MR
	c) Number of main pump	2 No.	HYD 01 no+ Standby 01 no	MR
	d) Jockey pump out put	2 no180LPMeach	HYD 189lpm SPK 189l p m	MR
	e) Jockey pump head	80 m	HYD 90m SPK 56	MR
	f) Stand by pump output	2839LPM each	D-2839LPM SPK-2839LPM	MR
	g) Stand by pump head	Required	HYD-90m SPK-56	MR
	h) Auto starting/Manual stopping	Required	Jockey-Auto Start/Stop mainStandbyManualOff	MR
	2) Terrace level			

	a) Discharge of pump	N/A	N/A	N/A
	b) Head of pump	N/A	N/A	N/A
	c) Power supply	N/A	N/A	N/A
	d) Auto starting of pump	N/A	N/A	N/A
<b>14.</b>	<b>Captive Water Storage for Fire Fighting</b>			
	1) Under ground tank capacity	2,00,000 liter.	Overhead tank 2 no & 1,00,000 liter. each	MR
	a) Draw-off connection	Required	Provided	MR
	b) Fire service inlet	Required	Provided	MR
	c) Access to tank	N/A	N/A	N/A
	d) Over head tank capacity	1,00,000 liter.	2 x 1,00,000 liter.	MR
<b>15.</b>	<b>Exit Signage.</b>	Required	Provided	MR
<b>16.</b>	<b>Provision of Lifts.</b>			
	a) Pressurization of lift shaft	N/A	N/A	N/A
	b) Pressurization of lift lobby	N/A	N/A	N/A
	c) Communication in lift car	Required	Provided	MR
	d) Fireman's switch	Required	Provided	MR
	e) Lift signage	Required	Provided	MR
<b>17.</b>	<b>Stand by Power Supply</b>	Required	Provided	MR
<b>18.</b>	<b>Refuge Area</b>			
	Total area location	N/A	N/A	N/A
<b>19.</b>	<b>Fire Control Room</b>			
	a) Detector system panel	Required	Provided	MR
	b) Flow switch panel	Required	Provided	MR
	c) PA system panel	Required	Provided	MR
	d) Battery backup	Required	Provided	MR
	e) Building floor plan	Required	Provided	MR
<b>20.</b>	<b>Special Fire Protection System for Protection of special Risk, if any: Clean. Agent (Novec) flooding system for transformer &amp; LT penal.</b>			

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

In view of the deemed compliance of the minimum standards of fire prevention and fire safety measures as required under the rules, if approved, we may renew the FSC issued vide letter no.F6/DFS/MS/2020/137 dated 05/03/2020, under Rule 35 of the Delhi Fire Service rules 2010, is recommended.

Signature of the Inspecting Officer

*Rajinder Atwal*  
28/2/23

Name :- Rajinder Atwal  
Designation :- DO (CD)

Signature of the Inspecting Officer

*Ravinder Singh*  
28/2/23

Name :- Ravinder Singh  
Designation :- ADO (CC)

*Dy. CFO (MS)*  
*[Signature]*

F.T. please.

*[Signature]*  
21/2/23

*ADO (CC)*

*As approved - [Signature]*

*and signed in presence*

*[Signature]*  
31/2/23

*[Signature]*

*[Signature]*  
21/2/23