

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI**  
**HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001**


No. F.6/DFS/MS/Assembly/UG/2021/SZ/ 52

Dated: 22/01/2021

**FIRE SAFETY CERTIFICATE**

Certified that the **IIT Underground Metro Station of Line -8**, comprising of Four Levels (Undercroft, Platform, Concourse, & Ground Level) was granted Fire Safety Certificate by this department vide letter no F6/DFS/MS/Assembly.(UG)/SZ/2018/278 dated 21/02/2018. The premise was re-inspected by the officer concerned of this department on 09/01/2021 in the presence of Mr. Bhirgu Fukan (AM/Fire) and found that the said metro station building 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 "**Group D-7 Assembly Building**" as above with effect from 22/01/2021 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 the conditions under rule 38 of the Delhi Fire Service Rules, 2010.

Issued on 22/01/2021 at New Delhi by

  
(Sunil Chawdhary)  
Dy. Chief Fire Officer (SZ)  
Delhi Fire Service

*afc R.K.*

Copy to: -

1. Mr. Bhirgu Fukan Asst. Manager Delhi Metro Rail Corporation, Metro Bhawan, Fire Brigade Lane, New Delhi-110001.
2. The Executive Director/Electrical, Near Malviya Nagar Metro station, Press Enclave, New Delhi 1100017

**Conditions for the validity of Fire Safety Certificate: -**

1. All the fire safety arrangement provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life property due to non-functional fire safety measures shall be at the responsibility of the management.
2. All the staff members must know the correct method of operation of fire fighting system.
3. The basement shall be used strictly as per the provision of Building Bye Laws.
4. 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)
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. "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."

## INSPECTION REPORT

1	Name & Address of the Building	IIT Underground Metro Station of Line -8.		
2	Type of Occupancy	Assembly (D-7)		
3	Building Comprised of	Four level (Undercroft, platform, Concourse & Ground level)		
4	Type of Case	Renewal		
5	Details of Previous NOC	F6/DFS/MS/Assembly.(UG)/SZ/2018/278 dated 21/02/2018		
6	Fire Safety Directives Letter No	F.6/DFS/MS/2013/2315 dated 25/09/2013		
7	Date of Inspection	09-01-2021		
8	Name of the Inspecting Officers	Sh. Rajesh Kumar ADO (BCP)		
9	Name & Designation of Officers from the building side	Mr. Bhirgu Fukan (AM/Fire)		
10	Year of construction	2017		
11	Applicant letter No.	Gmail Dated 01/01/2021		
<b>S. No.</b>	<b>Minimum standards on Fire Prevention and Fire Safety U/R 33</b>	<b>Old FSC Requirement</b>	<b>Provided at Site</b>	<b>Remarks MR/NMR</b>
<b>1</b>	<b>Access to Building.</b>			
	<ul style="list-style-type: none"> <li>• Road width</li> <li>• Gate width</li> <li>• Width of internal road</li> </ul>	10 mtr. NA Approachable	Provided 6 m About on road	MR NA MR
<b>2</b>	<b>Number, width, type &amp; arrangements of exits</b>			
	<b>a. Number of Staircase</b>	N/A	N/A	N/A
	<ul style="list-style-type: none"> <li>➤ Upper floors</li> <li>➤ Basement floor</li> </ul>	Undercroft to platform -2 Nos. Platform to CC- 4 No's + 02 Escalator CC to Ground- 3 No's + 03 Escalator	Provided	MR (50 % capacity of escalators is counted for evacuation in NFPA)
	<b>b. Width of Staircase</b>	N/A	N/A	N/A
	<ul style="list-style-type: none"> <li>➤ Upper floors</li> <li>➤ Basement floor</li> </ul>	2.8 m & 1.2 m (maintenance Staircase)	1.5 m x 2 No's 3 m x 2 No's 4.2 m x 2 No's 1 m x 2 No's 3.7 m x 2 no's 3.3 m x 1 No's + 1 m x 3 No's	MR
	<b>c. Protection of exits</b>	Required	Provided	MR
	<ul style="list-style-type: none"> <li>➤ Fire check door</li> <li>➤ Pressurization</li> </ul>	Required in Fireman staircase & emergency staircase	Provided	MR
	<b>d. No. of continuous staircase to terrace</b>	Ancillary building	Provided	MR
	<b>e. Width of corridor</b>	0.91 m	1 mtr	MR
	<b>f. Door size</b>	0.91 m	1 mtr	MR
<b>3</b>	<b>Compartmentation.</b>			
	<ul style="list-style-type: none"> <li>• Fire check door.</li> <li>• Sealing of electrical shafts.</li> <li>• Fire rating of shaft door.</li> <li>• Water curtain</li> <li>• Fire dampers.</li> </ul>	Required Required 30 minute & 3 hours N/A Required	Provided Provided Provided N/A Provided	MR MR MR N/A MR
<b>4</b>	<b>Smoke Management system.</b>			
	<ul style="list-style-type: none"> <li>• Basement</li> <li>• Upper floors</li> </ul>	Required N/A	Provided N/A	MR N/A
<b>5</b>	<b>Fire Extinguishers.</b>			
	<ul style="list-style-type: none"> <li>• Total numbers</li> <li>• Types</li> <li>• ISI Marking</li> </ul>	ISI Marked	100 Nos ABC, & W.CO <sub>2</sub> , Co2 Provided	MR MR MR

N

<b>6</b>	<b>First Aid Hose Reels</b>			
	<ul style="list-style-type: none"> <li>Total numbers on each floor.</li> <li>Length of hose-reel hose.</li> <li>Nozzle Diameter</li> </ul>	01 No in ancillary building, 15 Nos at CC & 09 Nos at each platform	Provided	MR
		Hose Reel	30m	MR
		Required	6mm	MR
<b>7</b>	<b>Automatic fire detection &amp; alarming system.</b>			
	<ul style="list-style-type: none"> <li>Type of detectors</li> <li>Location of Main Panel</li> <li>Location of Repeater Panel</li> <li>Alternate source of power</li> <li>Hooter's location</li> </ul>	Required	Smoke & Heat	MR
		Required	Station Control Room	MR
		Required	Concourse level	MR
		Required	Provided DG Set	MR
		Required	Provided at all levels	MR
<b>8</b>	<b>MOEFA</b>	Required	Provided	MR
<b>9</b>	<b>Public Address System</b>	Required	Provided	MR
<b>10</b>	<b>Automatic Sprinkler System</b>			
	<ul style="list-style-type: none"> <li>Basement</li> <li>Upper floors</li> <li>Sprinkler above false ceiling</li> </ul>	Required in following rooms:- mess, store, Security, Locker	Provided	MR
		N/A	N/A	N/A
		N/A	N/A	N/A
<b>11</b>	<b>Internal Hydrants.</b>			
	<ul style="list-style-type: none"> <li>Size of Riser/Down-comer</li> <li>Number of Hydrant per floor</li> <li>Hose box.</li> </ul>	Required	150 mm	MR
		01 No in ancillary building, 15 Nos at CC & 09 Nos at each platform	Provided	MR
		01 No in ancillary building, 15 Nos at CC & 09 Nos at each platform	Provided	MR
<b>12</b>	<b>Yard Hydrants.</b>			
	<ul style="list-style-type: none"> <li>Total number of hydrants.</li> <li>Hose box.</li> </ul>	02 No's Required	Provided	MR
		02 No in ancillary building, 01 Nos at each tunnel portal	Provided	MR
<b>13</b>	<b>Pumping arrangements.</b>			
	<b>a) Ground Level</b>			
	➤ Discharge of main pump.	2839 LPM	Provided	MR
	➤ Head of main pump.	75m for hydrant &56m for sprinkler	Provided	MR
	➤ Number of main pumps.	Two	Provided	MR
	➤ Jockey Pump output.	2 x189 LPM	Provided	MR
	➤ Jockey Pump head.	75m for hydrant &56m for sprinkler	Provided	MR
	➤ Standby Pump output.	2 x2839 LPM (eclectic)	Provided	MR
	➤ Standby Pump head.	75m for hydrant &56m for sprinkler	Provided	MR
	➤ Auto Starting/Manual Stopping.	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	<b>b) Terrace Level</b>			
	➤ Discharge of pump.	N/A	N/A	N/A
	➤ Head of 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
<b>14</b>	<b>Captive water storage for Fire Fighting.</b>			
	<ul style="list-style-type: none"> <li>Underground tank capacity.</li> <li>Draw-off connection.</li> <li>Fire Service Inlet.</li> <li>Access to tank.</li> <li>Overhead tank capacity.</li> </ul>	N/A	N/A	N/A
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		2,00,000 ltr	Provided	MR
<b>15</b>	<b>Exit Signage.</b>	Required	Provided	MR

<b>16</b>	<b>Provision of Lifts.</b>			
	• 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 switch.	Required	Provided	MR
	• Lift signage.	Required	Provided	MR
<b>17</b>	<b>Standby Power Supply</b>	Required	Provided (DG Set)	MR
<b>18</b>	<b>Refuge Area</b>			
	• Total area	N/A	N/A	N/A
	• Location	N/A	N/A	N/A
<b>19</b>	<b>Fire Control Room.</b>			
	• 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 plan	Required	Provided	MR
<b>20</b>	<b>Special Fire Protection System for the Protection of Special Risk, if any :</b>	Clean agent flooding system for electrical panels & Transformer		MR

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

Keeping in view of the deemed compliance of the minimum standard on fire prevention and fire safety measures as required under the rules, the FSC issued vide letter no F6/DFS/MS/Assembly.(UG)/SZ/2018/278 dated 21/02/2018, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

Accordingly, DFA is put up for approval and signature please.

Signature of Inspecting Officer  
Name: Rajesh Kumar  
Design: ADO (BCP)

14/11/2021

DO/SD

12/07

F.T. please.

DeFO (12)

13/11

ADO BCP

As approved, F.T. letter is put up for your signature pl

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