



F6/DFS/MS/Metro/SZ/2024/ 508

Dated: 08/08/2024

**FIRE SAFETY CERTIFICATE**

Certified that the **Lajpat Nagar Underground Metro Station (Line-7)**, 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/2021/SZ/328 dated 15/07/2021. The building/premises was re-inspected by officer concerned from this department on 05.08.2024 in presence of Mr. Samyak (AM/Fire) and found that the building have deemed complied with the fire prevention and fire safety requirements in accordance with Rule 33 of Delhi Fire Service Rules, 2010. Accordingly, the premises is fit for occupancy of **"Assembly (D-7)"** with effect from 08/08/2024..... 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 conditions under Rule 38 of Delhi Fire Service Rules, 2010 printed below.

Issued on 08/08/2024.....at New Delhi by

(Atul Garg)

Director

Delhi Fire Service

06/8/24

**Copy to:-**

1. The JGM/E & M, DMRC Ltd., Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-01.

**Conditions 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. Any deviation w.r.t. construction etc. shall be verified by the concerned building sanctioning authority.
5. Basement shall be used as per NBC/BBL1983.
6. This fire safety certificate may not be treated in any case for regularization of unauthorized construction, if any.
7. 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)
8. The access around the blocks as submitted in the plans submitted by principal Architect Design plus shall be kept clear of any obstruction for free movement of fire units in case of emergency.
9. 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".
10. Any change in the occupancy shall be intimated to this Deptt. and approval shall be obtained thereto before occupancy of the same.

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## INSPECTION REPORT

1	Name & address of the building	Lajpat Nagar Underground Metro Station (Line-7).		
2	Building is comprised of	(Undercroft, Platform, Concourse, Ground floor + FOB for line-6)		
3	Type of occupancy	Assembly (D - 7)		
4	Type of case	Renewal		
5	Details of previous FSC	F6/DFS/MS/Assembly/UG/2021/SZ/328 dated 15/07/2021		
6	Fire safety direction letter no.	F.6/DFS/MS/2013/1832 dated 19/07/2013		
7	Date of inspection	05/08/2024		
8	Name of the inspecting officers	Rajesh Kumar Shukla, ADO (M. Road)		
9	Name of the designation of officer from the building side	Mr. Samyak (AM/Fire)		
10	Year of construction	2018		
11	Applicant's letter no.	Outdoor diary no. 2840 dated 11.06. 2024		
S.No	Minimum Standards on fire Prevention and fire safety requirements U/R 33	Requirement/ NFPA	Provided at Site	Remarks MR/NMR
1	<b>Access To Building:</b>			
	Road width	Required	10.0 mtrs	MR
	Gate width	NA	6.0 mtrs	NA
	Width of internal road	Approachable	6.0 mtrs	MR
2	<b>Number, Width, Type and Arrangement of Exits:</b>			
	<b>A</b>	Number of staircases		
	a	Upper floor	NA	NA
	b	Basement	1. Undercroft to platform – 2 nos. 2. Platform to Concourse- 6 nos. + 06 Escalator 3. Concourse to GF – 4 nos. + 06 Escalator	Provided MR (50% capacity of escalator is counted for evacuative in NFPA)
	<b>B</b>	Width of staircases		
	a	Upper floor	NA	NA
	b	Basement	2.8 m & 1.2 m (maintenance staircase)	1. 1.0 m & 1.0 m 2. 1.98 m, 1.98 m, 1.28 m, 1.28 m & 1.0 m + 1.0 m x 6 nos. 3. 2.17 m, 2.17 m, 2.17 m & 1.0 m + 1.0 m X 6 nos. 4. 2.16m + 1.0 m X 2 nos.
	<b>C</b>	Protection of exits		
	a	Fire check door	Required	Provided MR
	b	Pressurization	Required in fireman & emergency stairs	Provided MR
	<b>D</b>	No. of continuous staircases to terrace	NA	NA
	<b>E</b>	Width of corridor	0.91 mtrs	1.2 mtrs MR
	<b>F</b>	Door size	0.91 mtrs	1.2 mtrs MR
3	<b>Compartmentation:</b>			
	<b>A</b>	Fire check door	Required	Provided MR
	<b>B</b>	Sealing of electrical shafts	Required	Provided MR
	<b>C</b>	Fire rating of shaft door	30 minutes & 3 hours	Provided MR
	<b>D</b>	Water curtain	NA	NA
	<b>E</b>	Fire dampers	Required	Provided MR
4	<b>Smoke Management System:</b>			
	<b>A</b>	Basement	Required	Provided MR
	<b>B</b>	Upper floor	Required	Provided MR

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<b>5.</b>	<b>Fire Extinguisher:</b>				
	<b>A</b>	Total numbers	Required	105 nos.	MR
	<b>B</b>	Types	Required	CO <sub>2</sub> & W.CO <sub>2</sub> & ABC	MR
	<b>C</b>	ISI marking	ISI marked	ISI marked	MR
<b>6</b>	<b>First-Aid-Hose Reels:</b>				
	<b>A</b>	Total numbers of each floor	Ancillary building - 3 nos. Elevated Concourse -11 nos. 08 nos. of each platform 1 nos. in FOB	Provided	MR
	<b>B</b>	Length of hose reel hose	30m	30 mtrs.	MR
	<b>C</b>	Nozzle diameter	6mm	6 mm	MR
<b>7</b>	<b>Automatic Fire Detection And Alarming System:</b>				
	<b>A</b>	Type of detectors	Required	Smoke type	MR
	<b>B</b>	Location of main panel	Required	Station Control Room	MR
	<b>C</b>	Location of repeater panel	Required	Concourse level	MR
	<b>D</b>	Alternate source of power	Required	Provided DG Set	MR
	<b>E</b>	Hooters	Required	Provided at all levels	MR
<b>8</b>	<b>MOEFA:</b>		Required	Provided	MR
<b>9</b>	<b>Public Address System:</b>		NA	Provided	NA
<b>10</b>	<b>Automatic Sprinkler System:</b>				
	<b>A</b>	Basement	Required in following rooms;- mess store, security, locker	Provided	MR
	<b>B</b>	Upper floor	NA	NA	NA
	<b>C</b>	Sprinkler above false ceiling	NA	NA	NA
<b>11</b>	<b>Internal Hydrants:</b>				
	<b>A</b>	size of riser/down-comer	150 mm	Provided	MR
	<b>B</b>	Number of hydrants per floor	Ancillary building - 3 nos. Elevated Concourse -11 nos. 08 nos. of each platform	Provided	MR
	<b>C</b>	Hose box	Ancillary building - 3 nos. Elevated Concourse -11 nos. 08 nos. of each platform	Provided	MR
<b>12</b>	<b>Yard Hydrants:</b>				
	<b>A</b>	Total number of hydrants	01 nos.	Provided	MR
	<b>B</b>	Hose box	01 no in ancillary building 01no. at each tunnel Portal	Provided	MR
<b>13</b>	<b>Pumping Arrangements:</b>				
	<b>A</b>	Ground level			
	a)	Discharge of main pump	2839 LPM	Provided	MR
	b)	Head of main pump	88 m for hydrant & 75 m for sprinkler	Provided	MR
	c)	Number of main pumps	2 nos.	Provided	MR
	d)	Jockey pump out put	2 x 189 LPM	Provided	MR
	e)	Jockey pump head	88 m for hydrant & 75 m for sprinkler	Provided	MR
	f)	Standby pump out put	2 x 2839 LPM (eclectic)	Provided	MR
	g)	Standby pump head	88 m for hydrant & 75 m for sprinkler	Provided	MR
	h)	Auto starting /manual stopping	Required	Provided	MR
	i)	Pump house access	Required	Provided	MR
	<b>B</b>	Terrace level			
	a)	Discharge of pump	NA	NA	NA
	b)	Head of the pump	NA	NA	NA
	c)	Power supply	NA	NA	NA
	d)	Auto starting of pump	NA	NA	NA


Lajpat Nagar Underground Metro Station of Line-7


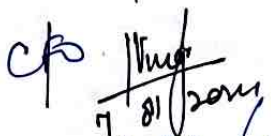
<b>14</b>	<b>Captive Water Storage For Fire Fighting:</b>			
	<b>A</b>	Underground tank capacity	NA	NA
	<b>B</b>	Draw-off connection	Required	Provided
	<b>C</b>	Fire service inlet	Required	Provided
	<b>D</b>	Access to tank	Required	Provided
	<b>E</b>	Overhead tank capacity	2,00,000 ltrs	Provided
<b>15</b>	<b>Exit Signage:</b>		Required	Provided
<b>16</b>	<b>Provision of Lifts:</b>			
	<b>A</b>	Pressurization of lift shaft	NA	NA
	<b>B</b>	Pressurization of lift lobby	NA	NA
	<b>C</b>	Communication in lift car	Required	Provided
	<b>D</b>	Firemen's grounding switch	Required	Provided
	<b>E</b>	Lift signage	Required	Provided
<b>17</b>	<b>Standby Power Supply:</b>		Required	Provided DG Set
<b>18</b>	<b>Refuge Area:</b>			
	<b>A</b>	Total area	NA	NA
	<b>B</b>	Location	NA	NA
<b>19</b>	<b>Fire Control Room :</b>			
	<b>A</b>	Detector system panel	Required in SCR	Provided
	<b>B</b>	Flow switch panel	Required	Provided
	<b>C</b>	PA system panel	Required	Provided
	<b>D</b>	Battery backup	Required	Provided
	<b>E</b>	Building floor plans	Required	Provided
<b>20</b>	<b>Special Fire Protection Systems For Protection of Special Risks, If Any:</b>		Clean agent flooding system for electrical panels & transformer	Total Gas flooding & NOVAC for Transformer & electrical panels

**LEGENDS:-Meeting Requirement (MR), Not Meeting Requirement (NMR), Not Applicable (NA), Provided but Not Functional (PNF), Not Provided (NP).**

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

Keeping in view of the deemed compliance of minimum standards of fire prevention and fire safety measures as required under the Rules, the FSC issued vide letter no F6/DFS/MS/Assembly/UG/2021/SZ/328 dated 15/07/2021 is recommended to be renewed under Rule 37 of the Delhi Fire Service Rules 2010.

  
 Signature of the Inspecting Officer  
 Name Rajesh Kumar Shukla  
 Designation ADO (M. Road)

DO (SD)  
  
 CFB  
  
 Director  
