

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

No.F.6/DFS/MS/Assembly/UG/2024/SZ/411

Dated: 27/06/2024

FIRE SAFETY CERTIFICATE

Certified that the **IIT Underground Metro Station of Line -8**, comprising of Four Levels (Undercroft, Platform, Concourse, & Ground Level) owner/occupied by Delhi Metro Rail Corporation Ltd was issued Fire Safety Certificate by this department vide letter no F6/DFS/MS/Assembly.(UG)/2021/SZ/52 dated 22/01/2021. The premise was re-inspected by the officer concerned of this department on 15/06/2024 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 27/06/2024 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 compliance of the conditions under rule 38 of the Delhi Fire Service Rules, 2010.

Issued on 27/06/2024 at New Delhi by


(ATUL GARG)
DIRECTOR
DELHI FIRE SERVICE

Copy to: -

1. Mr. Malay Saha (CGM/E&M) Delhi Metro Rail Corporation, Metro Bhawan, Fire Brigade Lane, New Delhi-110001.

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
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)/2021/SZ/52 dated 22/01/2021		
6	Fire Safety Directives Letter No	F.6/DFS/MS/2013/2315 dated 25/09/2013		
7	Date of Inspection	15-06-2024		
8	Name of the Inspecting Officers	DO (South) & 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.	DMRC/O&M/Fire/NOC/L-8/2024/05/02 Dated 13/05/2024		
S. No.	Minimum standards on Fire Prevention and Fire Safety U/R 33	Old FSC Requirement	Provided at Site	Remarks MR/NMR
1	Access to Building.			
	<ul style="list-style-type: none"> Road width Gate width Width of internal road 	10 mtr. NA Approachable	Provided 6 m About on road	MR NA MR
2	Number, width, type & arrangements of exits			
	a. Number of Staircase			
	➤ Upper floors	N/A	N/A	N/A
	➤ Basement floor	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. Width of Staircase			
	➤ Upper floors	N/A	N/A	N/A
	➤ Basement floor	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
	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	Ancillary building	Provided	MR
	e. Width of corridor	0.91 m	1 mtr	MR
	f. Door size	0.91 m	1 mtr	MR
3	Compartmentation.			
	<ul style="list-style-type: none"> Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers. 	Required Required 30 minute & 3 hours N/A Required	Provided Provided Provided N/A Provided	MR MR MR N/A MR
4	Smoke Management system.			
	<ul style="list-style-type: none"> Basement Upper floors 	Required N/A	Provided N/A	MR N/A
5	Fire Extinguishers.			
	<ul style="list-style-type: none"> Total numbers Types ISI Marking 	ISI Marked	100 Nos ABC , & W.CO ₂ , Co2 Provided	MR MR MR
6	First Aid Hose Reels			
	<ul style="list-style-type: none"> Total numbers on each floor. 	01 No in ancillary building,	Provided	MR

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


	<ul style="list-style-type: none"> • Pressurization of lift lobby. • Communication in lift car. • Fireman's switch. • Lift signage. 	Required	Provided	MR
		Required	Provided	MR
17	Standby Power Supply	Required	Provided	MR
18	Refuge Area	Required	Provided (DG Set)	MR
	<ul style="list-style-type: none"> • Total area • Location 	N/A	N/A	N/A
19	Fire Control Room.	N/A	N/A	N/A
	<ul style="list-style-type: none"> • Detector System Panel. • Flow Switch Panel. • PA system Panel. • Battery backup • Building floor plan 	Required in SCR	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
20	Special Fire Protection System for the Protection of Special Risk, if any :	Required	Provided	MR
		Clean agent flooding system for electrical panels & Transformer provided		MR


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

Further, the party has complied all the observation / Shortcoming already issued & communicated by this department vide letter of even no 861 dated 03/05/2024.



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)/2021/SZ/52 dated 22/01/2021, 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 the Inspection Officer
Name: Sh. Manoj Kumar Sharma
Design: DO (South)


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

CFO (HQ)


21/6/2024

Director

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

Director
1/6/28/6/2024