

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


No. F.6/DFS/MS/Assembly/UG/2021/SZ/146

Dated: 11 / 03 /2021

FIRE SAFETY CERTIFICATE

Certified that the **Hauz Khas Underground Metro Station of Line -8**, comprising of Eight Levels (Undercroft, Platform, Three Intermediate (IM- 1, 2 & 3) Levels, Concourse, Fan Room & Ground Level) was granted Fire Safety Certificate by this department vide letter no F6/DFS/MS/Assembly.(UG)/SZ/2018/476 dated 22/03/2018. The premise was re-inspected by the officer concerned of this department on 19/02/2021 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 11 / 03 /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 11 / 03 /2021 at New Delhi by


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

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
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	Hauz Khas Underground Metro Station of Line 8		
2	Type of Occupancy	Assembly (D-7)		
3	Building Comprised of	(Undercroft + platform + 03 Intermediate (IM-1,2 & 3) level + Concourse + Fan Room + Ground Floor)		
4	Type of Case	Renewal		
5	Details of Previous NOC	F6/DFS/MS/Assembly.(UG)/SZ/2018/476 dated 22/03/2018		
6	Fire Safety Directives Letter No	F.6/DFS/MS/2013/2318 dated 25/09/2013		
7	Date of Inspection	19-02-2021		
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	2018		
11	Applicant letter No.	Gmail Dated 16/02/2021		
S. No.	Minimum standards on Fire Prevention and Fire Safety U/R 33	NFPA 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 	Required	10 mtr.	MR
		NA	6 m	NA
		Approachable	About on road	MR
2	Number, width, type & arrangements of exits			
	a. Number of Staircase			
	➤ Upper floors	N/A	N/A	N/A
	➤ Basement floor	1. Undercroft to platform- 2 No 2. Platform to IM-1: 8 No's 3. IM-1 to IM-2: 7 Nos 4. Platform to IM-2 : 4 Nos + 06 Escalators 5. IM-2 to IM- 3 : 6 Nos 6. IM -1 to IM - 3 : 1 Nos 7. IM-2 to Concourse : 4 Nos + 6 Escalators 8. IM-3 to Concourse : 7 Nos 9. Concourse to Fan Room: 2 Nos 10. Fan Room to Ground: 1 Nos. 11. Concourse to Ground : 3 Nos + 5 Escalator 12. Concourse of old station (Line-2) to Concourse of New Station (Line-8) : 1 Nos + 2 Escalators (Connecting Corridor with level difference)	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. Undercroft to platform- 1.2 m & 1.2m 2. Platform to IM-1: 1.2 m, 1.98 m, 2 m, 1.97 m, 1.98 m, 1.2 m, 1.2 m, & 1.2 m 3. IM-1 to IM-2: 1.2 m, 1.98 m, 2 m, 1.97 m, 1.98 m, 1.2 m, & 1.2 m 4. Platform to IM-2 : 1.44 m, 1.45 m, 2.25 m & 2.25 m + 1 m x 6 Nos 5. IM-2 to IM- 3 : 1.98 m, 2 m, 1.97 m, 1.98 m, 1.2 m & 1.2 m 6. IM -1 to IM - 3 : 1.2 m 7. IM-2 to Concourse : 2.23 m, 2.24 m, 1.4 m, 1.24, + 1 m x 6 Nos 8. IM-3 to Concourse : 1.98 m, 2 m, 1.97 m, 1.98 m, 1.2 m, 1.2 m & 1.2 m 9. Concourse to Fan Room: 1.2 m ,1.2m 10. Fan Room to Ground: 1.2 m 11. Concourse to Ground : 1.2 m, 2.3 m & 1.31 m + 1 m x 5 Nos 12. Concourse of old station (Line-2) to Concourse of New Station (Line-8) : 2.36 m + 1 m x 2Nos	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 (1.25m)	MR
	e. Width of corridor	0.91 m	1 mtr	MR

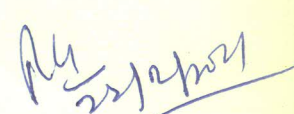
3	Compartmentation.			
	<ul style="list-style-type: none"> Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers. 	Required	Provided	MR
		Required	Provided	MR
		30 minute & 3 hours	Provided	MR
		N/A	N/A	N/A
		Required	Provided	MR
4	Smoke Management system.			
	<ul style="list-style-type: none"> Basement Upper floors 	Required	Provided	MR
		N/A	N/A	N/A
5	Fire Extinguishers.			
	<ul style="list-style-type: none"> Total numbers Types ISI Marking 	ISI Marked	149 Nos ABC, & W.CO ₂ , Co ₂	MR
			Provided	MR
6	First Aid Hose Reels			
	<ul style="list-style-type: none"> Total numbers on each floor. Length of hose-reel hose. Nozzle Diameter 	02 No in ancillary building, 16 Nos at CC & 04 Nos at IM-3, 06 Nos at IM-2, 04 Nos at IM-1 & 8 Nos at platform	Provided	MR
		Hose Reel	30m	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. 	150 mm	Provided	MR
		02 No in ancillary building, 16 Nos at CC & 04 Nos at IM-3, 06 Nos at IM-2, 04 Nos at IM-1 & 8 Nos at platform	Provided	MR
		02 No in ancillary building, 16 Nos at CC & 04 Nos at IM-3, 06 Nos at IM-2, 04 Nos at IM-1 & 8 Nos at platform	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants. Hose box. 	01 No's Required	Provided	MR
		01 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. Standby Pump head. Auto Starting/Manual Stopping. Pump House Access 	2839 LPM	Provided	MR
		75m for hydrant & 56m for sprinkler	Provided	MR
		Two	Provided	MR
		2 x 189 LPM	Provided	MR
		75m for hydrant & 56m for sprinkler	Provided	MR
		2 x 2839 LPM (electric)	Provided	MR
		75m for hydrant & 56m for sprinkler	Provided	MR
		Required	Provided	MR
		Required	Provided	MR


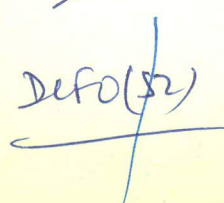
	<ul style="list-style-type: none"> ➤ Head of pump. ➤ Power supply. ➤ Auto starting of pump. 	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
14	Captive water storage for Fire Fighting.			
	<ul style="list-style-type: none"> • Underground tank capacity. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> ➤ Draw-off connection. 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Fire Service Inlet. 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Access to tank. 	Required	Provided	MR
	<ul style="list-style-type: none"> • Overhead tank capacity. 	2,00,000 ltrs	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
	<ul style="list-style-type: none"> • Pressurization of lift lobby. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> • Communication in lift car. 	Required	Provided	MR
	<ul style="list-style-type: none"> • Fireman's switch. 	Required	Provided	MR
	<ul style="list-style-type: none"> • Lift signage. 	Required	Provided	MR
17	Standby Power Supply	Required	Provided (DG Set)	MR
18	Refuge Area			
	<ul style="list-style-type: none"> • Total area 	N/A	N/A	N/A
	<ul style="list-style-type: none"> • Location 	N/A	N/A	N/A
19	Fire Control Room.			
	<ul style="list-style-type: none"> • Detector System Panel. 	Required in SCR	Provided	MR
	<ul style="list-style-type: none"> • Flow Switch Panel. 	Required	Provided	MR
	<ul style="list-style-type: none"> • PA system Panel. 	Required	Provided	MR
	<ul style="list-style-type: none"> • Battery backup 	Required	Provided	MR
	<ul style="list-style-type: none"> • Building floor plan 	Required	Provided	MR
20	Special Fire Protection System for the Protection of Special Risk, if any :	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.

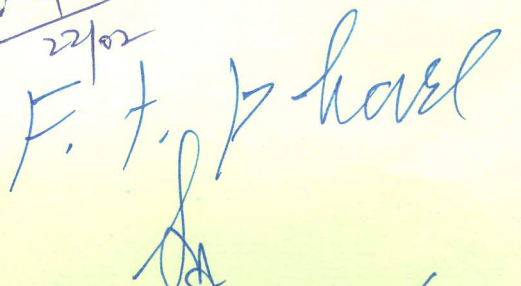
Keeping in view of the deemed compliance of the minimum standard on fire prevention and fire safety measures as required under the rules, the FSC issued vide letter no F6/DFS/MS/Assembly.(UG)/SZ/2018/476 dated 22/03/2018, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

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


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


 22/02


 F. T. P. havel.

