

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI - 110 001

No. F.6/DFS/MS/Assembly/(UG)/SZ/2018/ 462

Dated: 20/3/18

FIRE SAFETY CERTIFICATE

Certified that the **Nehru Enclave Underground Metro Station of Line-8**, comprising of Four levels (Undercroft, Platform, Concourse, & Ground Level) was inspected by the officer concerned of this department on 14/03/2018 in the presence of Mr. Lovleen (Dy. CEE) 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 class "**Group D-7 Assembly building**" with effect from ~~2013~~ 2018 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.....20/3/18.....at New Delhi by.

20/3/18
(Vipin Kental)
Chief Fire Officer
Tel: 011-23412225

Copy to:-

1. The Sh. A. K. Garg, Executive Director/Electrical, Near Malviya Nagar Metro Station, Press Enclave Road, New Delhi-110017 .
2. Director Projects, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Conditions for the validity of fire safety certificate:

1. All the means of escape/entry/exit shall be kept free from any obstruction.
2. All the fire safety arrangements provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life or property due to non-functional fire safety measures shall be at the responsibility of the management.
3. All the staff members must know the correct method of operation of firefighting system.
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 http://delhi.gov.in/wps/wcm/connect/doit_fire/FIRE/Home/Forms
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 (1) of rule 37] along with a copy of this Certificate, **six months** prior to its expiry."

INSPECTION REPORT

1. Name & address of the building : Nehru Enclave Underground Metro Station of Line-8
 2. Type of Occupancy : Assembly- Group-"D"
 3. Type of Case : New
 4. Details of Previous NOC : NA
 5. Fire Safety directives letter No : F6/DFS/MS/2013/2337 dated 27/09/2013
 6. Date of inspection : 14/03/2018
 7. Name of Inspecting Officer : A. K. Malik
 8. Name and designation of officer from the building side : Mr. Lovleen (Dy. CEE)
 9. Year of Construction : 2018 [Undercroft + Platform + Concourse + Ground Floor]
 10. Applicant's letter No. : Outdoor diary no. 3223 dated 01/03/2018

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 NA Approachable	10m 6m Abut on Road	MR NA MR
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	NA	NA	NA
	<ul style="list-style-type: none"> Upper Floors 	1. Undercroft to Platform- 2 Nos	Provided	MR (50% capacity of Escalators is counted for evacuation in NFPA)
	<ul style="list-style-type: none"> Basements 	2. Platform to Concourse-6 Nos + 2 Escalator		
		3. Concourse to Ground-6 Nos + 4 Escalator		
	b. Width of staircases	NA	NA	NA
	<ul style="list-style-type: none"> Upper Floor Basements 	2.8m & 1.2m (maintenance staircase)	1. 1.5m x 2 Nos 2. 4.2m x 2 Nos, 3m x 2 Nos, 1.25m x 2 Nos + 1m x 2 Nos 3. 2.6m x 1 Nos, 3.1m x 4 Nos, 1.25m x 1 Nos + 1m x 4 Nos	MR
	c. Protection of exits	Required	Provided.	MR
	<ul style="list-style-type: none"> Fire check door Pressurization 	Required in Fireman Staircase & Emergency Staircase	Provided.	MR
	d. No. of continuous staircases to terrace	Ancillary Building	Provided (1.25m)	MR
	e. Width of Corridor	0.91m	1m	MR
	f. Door Size	0.91m	1m	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
		30minute & 3 Hours	Provided	MR
		NA	NA	NA
		Required	Provided	MR

	<ul style="list-style-type: none"> Basements Upper floors 	Required NA	Provided NA	MR NA
5.	Fire Extinguishers			
	<ul style="list-style-type: none"> Total numbers Types IS marking 	104 No's ABC/W.CO2/CO2 ISI marked	Provided 36/3/65 Yes	MR MR MR
6.	First-Aid Hose Reels			
	<ul style="list-style-type: none"> Total numbers on each floor Length of hose reel hose Nozzle diameter 	2 No. in ancillary building, 14 Nos at Concourse & 10 Nos at Platform 30m 6mm	Provided Provided Provided	MR MR MR
7.	Automatic fire detection and alarming system			
	<ul style="list-style-type: none"> Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	Smoke & Heat Station Control Room Required Required All Area	Provided Provided Fireman Staircase Provided Provided	MR MR MR MR MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	<ul style="list-style-type: none"> Basement Ground & Above Floor Sprinkler above false ceiling 	Required in following rooms:- mess, store, security, locker NA NA	Provided NA NA	MR NA NA
11.	Internal Hydrants			
	<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor Hose Box 	150mm 1 No. in ancillary building, 14 Nos at Concourse & 10 Nos at Platform 1 No. in ancillary building, 14 Nos at Concourse & 10 Nos at Platform	Provided Provided Provided	MR MR MR
12.	Yard Hydrants			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	2 Nos 2 Nos at ancillary building & 1 Nos at each tunnel portal	Provided Provided	MR MR
13.	Pumping Arrangements			
	<ul style="list-style-type: none"> Ground Level <ul style="list-style-type: none"> Discharge of main Pump Head of Main pump Number of main pumps Jockey Pump out put Jockey pump head Standby Pump out put Standby Pump Head Auto Starting/Manual Stopping Pump House Access Terrace level 	2839 LPM 75m for Hydrant & 56m for Sprinkler Two 2 x 189 LPM 75m for Hydrant & 56m for Sprinkler 2 x 2839 LPM(electric) 75m for Hydrant & 56m for Sprinkler Required Required	Provided Provided Provided Provided Provided Provided Provided Provided	MR MR MR MR MR MR MR MR

	➤ Discharge of pump	NA	NA	NA
	➤ Head of the pump	NA	NA	NA
	➤ Power Supply	NA	NA	NA
	➤ Auto Starting of pump	NA	NA	NA
14.	Captive Water Storage for fire fighting			
	• Underground tank capacity	NA	NA	NA
	➤ Draw-off connection	Required	Provided	MR
	➤ Fire service inlet	Required	Provided	MR
	➤ Access to tank	Required	Provided	MR
	• Overhead Tank capacity	2 x 1,00,000 Lts	Provided	MR
15.	Exit Signage.	Required	Provided	MR
16.	Provision of Lifts.			
	• Pressurization of Lift Shaft	NA	NA	NA
	• Pressurization of Lift lobby	NA	NA	NA
	• Communication In lift Car	Required	Provided	MR
	• Fireman's Grounding Switch	Required	Provided	MR
	• Lift Signage	Required	Provided	MR
17.	Standby power supply	Required	Provided	MR
18.	Refuge Area.			
	➤ Total Area	NA	NA	NA
	➤ Location	NA	NA	NA
19.	Fire Control Room			
	• Detector System Panel	Required in SCR	Provided	MR
	• Flow Switch Panel	Required	Provided	MR
	• PA System Panel	Required	Provided	MR
	• Batter backup	Required	Provided	MR
	• Building Floor Plans	Required	Provided	MR
20.	Special Fire Protection System for Protection of special Risks, if any:	Clean Agent flooding system for Electrical Panels & Transformer	Provided	MR

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

Keeping in view of the above compliance of the minimum standards of fire prevention and fire safety measures as required under the rule 35 of the Delhi Fire Service Rules 2010, Fire Safety Certificate is recommended.

Accordingly form "H" in shape of DFA is put up for approval and signature.

A. K. Malik
15/3/18

Signature of Inspecting Officer
Name: A. K. Malik
Designation: DO (SD)

1699/cfos2
20/3

Dy. CFO (SZ)



Handwritten signature
19/3

F7101

Handwritten notes:
Sm, F.S. is put up to be signed
CFO (SZ)
Signature
20/3/18