

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


No. F.6/DFS/MS/Assembly/(UG)/SZ/2021/ 75

Dated: 29/01/2021

FIRE SAFETY CERTIFICATE

Certified that the **Naraina Underground Metro Station of Line-7**, comprising of four levels (Undercroft, Platform, Concourse & Ground, Level) owned / occupied by Delhi Metro Rail Corporation was granted FSC by this department vide letter No. F6/DFS/MS/Assembly/(UG)/2018/180 dated 29.01.2018. The premises was re-inspected by the officer concerned of this department on 18.01.2021 in the presence of Mr. Pranjal Purwar Gupta (Fire Inspector) 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 (Assembly building)**" with effect from ~~29/01/2021~~ 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.....29/01/2021.....at New Delhi by.


(Sunil Chaudhary)
Dy. Chief Fire Officer
Delhi Fire Service

Copy to:-

1. Sanyam Jain, Assistant Manager/Fire, DMRC, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001
2. The Director (Projects), DMRC, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

CONDITIONS

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 of fire safety measures shall be at the risk & responsibility of the management.
3. The trained firefighting staffs should be available round the clock.
4. Any deviation w.r.t. construction etc. shall be verified by the concerned building sanctioning authority.
5. The basement shall be used as per the provisions of BBL.
6. This fire safety certificate may not be treated in any case for regularization of unauthorized construction, if any.
7. All the means of escapes /exits shall not be locked/bolted/blocked at any time for safe evacuation of the occupants in case of any emergency.
8. 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
9. 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. The form is available on www.dfs.delhigovt.nic.in

INSPECTION REPORT

1. Name & address of the building : Naraina Underground Metro Station, Line-7
2. Type of Occupancy : Assembly, Group-D
3. Type of Case : Renewal
4. Details of previous NOC : F.6/DFS/MS/Assembly/(UG)/SZ/2018/180 dated 29.01.2018
5. Fire Safety directives letter No : F6/DFS/MS/2013/2 dated 23/07/2013.
6. Date of inspection : 18.01.2021
7. Name of the Inspecting Officers : P.V. Rathee, Asstt. Div. Officer (SRD)
8. Name and designation of officers from the building side : Mr. Pranjal Purwar (Fire Inspector)
9. Year of Construction : 2017[Undercroft + Platform + Concourse + Ground]
10. Applicant's letter No. : DMRC/O&M/Fire/NOC/L-7/2020/77 dated 31.12.2020

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			
	• Road width	Required	12 mts	MR
	• Gate width	N/A	06 mts	N/A
	• Width of internal road	N/A	06 mts	MR
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	N/A	N/A	N/A
	• Upper Floors	(1).Undercroft to Platform- 2 Nos	Provided	MR (50% capacity of Escalators is counted for evacuation in NFPA)
	• Basements	(2).Platform to Concourse-6 Nos +2 Escalators (3). Concourse to Ground- 03 Nos + 02 Escalator.		
	b. Width of staircases			
	• Upper Floors	-	-	-
	• Basements	N/A	N/A	N/A
	c. Protection of exits	2.8m x 1.2m (maintenance staircase)	(1). 1.40m x 2 Nos (2). 2.50 m x 2 Nos, 1.50 m x 3 Nos & 1.42 m x 1 Nos + 1.13 m x 1 Nos (3). 4.50m x 2 Nos, 1.23 m x 1 Nos	MR
	• Fire check door	Required	Provided	MR
	• Pressurization	Required in Fireman Staircase & Emergency Staircase	Provided	MR
	e. No. of continuous staircases to terrace	NA	NA	NA
	g. Width of Corridor	NA	NA	NA
	h. Door Size	01 mt.	Provided	MR
3	Compartmentation.			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	90 minute	Provided	MR
	• Water Curtain	NA	NA	NA
	• Fire Dampers	Required	Provided	MR
4	Smoke Management System.			
	• Basements	Required in platform, concourse and tunnels	Provided	MR
	• Upper floors		NA	NA
5	Fire Extinguishers			
	• Total numbers	95 No's	Provided	MR

	<ul style="list-style-type: none"> Total numbers on each floor Length of hose reel hose Nozzle diameter 	1 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform 30 & 45 m 6 mm	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	Provided	MR
		Station Control Room	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		All areas	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public Address System.	N/A	Provided	N/A
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> Basement Upper Floor Sprinkler above false ceiling 	Under track MVW nozzle, Store rooms at Concourse & platform	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 hydrants per floor Hose Box 	150mm	Provided	MR
		3 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform	Provided	MR
		3 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	2 Nos	Provided	MR
		02 Nos at ancillary building	Provided	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 <ul style="list-style-type: none"> Discharge of pump Head of the pump Power Supply 	-	-	-
		Hyd-2839 LPM, SPK- 2839 LPM	Provided	MR
		Hyd- 90 mts, SPK- 56 mts	Provided	MR
		02	Provided	MR
		Hyd-189 LPM, SPK- 189 LPM	Provided	MR
		Hyd- 90 mts, SPK- 56 mts	Provided	MR
		2839 LPM	Provided	MR
		56 mts.	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

14	Captive Water Storage for fire fighting.				
	• Underground tank capacity	N/A	N/A	N/A	
	➤ 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	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 Grounding Switch	Required	Provided	MR	
	• Lift Signage	Required	Provided	MR	
17	Standby power supply		Required	D.G.Set Provided	MR
18	Refuge Area.				
	➤ Total Area	N/A	N/A	N/A	
	➤ Location	N/A	N/A	N/A	
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 Systems for Protection of special Risks, if any:	Clean Agent flooding system for Electrical Panels & Transformer	Provided NOVEC 1230	MR	

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

In view the deemed compliance of the minimum standards on fire prevention and fire safety required as per Delhi Fire Service Act- 2007 under Delhi Fire Service Rules- 2010, the FSC issued vide letter No. F.6/DFS/MS/Assembly/(UG)/SZ/2018/180 dated 29.01.2018, renewal under rule 35 of the Delhi Fire Service rules 2010 is recommended.

DFA is put up for approval & signature please.

D.O. (\$W)

[Signature]
21/01/2021

By CEO (\$2)

P.P. please
[Signature]

[Signature] 19/1/21

P.V. Rathee
Asstt. Div. Officer (SRD)