

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

No. F6/DFS/MS/NDZ/2020/ 48

Dated: 17/01/2020

FIRE SAFETY CERTIFICATE

Certified that **Kashmiri Gate Underground Metro Station (Line-6) located at Near Kashmiri Gate Delhi** comprised of **Ground floor with two Basements/Platform/Concourse & Ancillary building**. The metro station was granted FSC by this department vide letter no. F6/DFS/MS/NDZ/2017/361 dated 14.03.2017. The building/premises was re-inspected by a team of officers concerned of this department on 30.12.2019 in presence of Mr. Sanjeev, Dy. Manager of DMRC and found that the building has deemed complied with the fire prevention and fire safety requirements in accordance with Rule 33 of Delhi Fire Service Rules, 2010 and that the building/premises is fit for occupancy of class **D-7 "Assembly building"**, with effect from 17/01/2020 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 17/01/2020 at New Delhi by

(Sunil Chawdhary)

Dy. Chief Fire Officer

Delhi Fire Service

Tel: 011-23414262

Copy to:-

1. Sh. Sanjeev Kumar,
Dy. CEE-III/L-6, DMRC, 8 Jantar Mantar Road, New Delhi-1
2. Sh. A.K.Singh, Ex. Dir. E-II 8, Jantar Mantar Road, New Delhi-1

Condition 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
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".
Any change in the occupancy shall be intimated to this Deptt. and approval shall be obtained thereto before occupancy of the same.

Received.

2.	Type of occupancy with details of floors:	Assembly Building (D7 as per NBC Part IV 2005)
3.	Type of case:	RENEWAL
4.	Details of previous FSC:	No. F6/DFS/MS/NDZ/2017/361 dated 14.03.2017
5.	Fire safety directives no.:	DMRC/12/D.Y.CA/L-601/KG/002 dated 28.11.2014
6.	Date of inspection:	30.12.2019
7.	Name of the inspecting officer:	Rajinder Atwal (DO) & ADO Rajesh Kumar Shukla
8.	Name and designation of the officer from the building side:	- Mr. Sanjeev (Dy. Manager of DMRC)
9.	Year of construction:	2016-17
10.	Reference letter no.:	DMRC/O&M/Fire/NOC/L-6/2019/123 dated 25.11.2019

S, No	Minimum standard of Fire Prevention and Fire Safety U/R 33		Requirements as per NFPA	Provide at site (PSS)	Remarks MR/NMR
1	Access to Building				
	A	Road width	12mtrs	30 mtrs	MR
	B	Gate width	On road	On road	MR
	C	Width of internal roads	NA	NA	NA
2	Number, Width, Type & Arrangement of Exits				
	A	No. Of Staircase:			
		a) Upper Floor	NA	NA	NA
		b) Basements	04 no. Gr. To concourse , concourse to platform, under croft to platform	Con. To Gr.-4 Plat. To Con.-4 U to platform-	MR
	B	Width of the Staircase:			
		a) Upper floors	NA	NA	NA
		b) Basements	C.G. 4800 mr (min. each)	C.G. 4800 mr (min. each) P.C. 2600 mr (min. each)	MR
	C	Protection of Exits			
		a) Fire Check Door	Required	Provided	MR
		b) Pressurization	Required	Provided	MR
	D	No. Of continuous staircase to terrace:	NA	NA	NA
	E	Width of the corridor	2.5 m	2.5 m	MR
	F	Door size	2 m	2 m	MR
3	Compartmentation:				
	A	Fire Check doors	Required	2 hr. & 4 hr	MR
		Sealing of Electrical Shafts	Required	Provided	MR
	B	Fire rating of shaft	Required	2 hours	MR
	C	Doors			
	D	Water curtain	NA	NA	NA
		Fire dampers	Required	Provided	MR
4	Smoke management System:				
	A	Basements	30 ACPH	S per Engg. Analysis	MR
	B	Upper floors	12 ACPH	(Subway encroachment simulation) & computational fluid dynamics	MR
5	Fire extinguishers				
	A	Total numbers	91 no.	55+30+04+02=91	MR
	B	Types	CO2 , ABC & water gas	45 Kg CO2 +6 kg ABC+9 l water +22.5 Kg CO2	MR
	C	ISI marking	Required	Provided	MR

6	First Aid Hose reel				
	A	Total no. at each floor	24 no. (08 no. on each floor)	08 no. on concourse 08 no. on platform 08 no. on under croft 8x3= 24	MR
	B	Length of Hose Reel	30 mtrs	30.5 mtrs	MR
	C	Nozzle diameter	5 mm	6 mm	MR
7	Automatic Fire Detection and Alarm System (ADAS)				
	A	Type of Detectors	Smoke	Provided	MR
	B	Location of main Panel	Concourse	Station (C.R) Concourse	MR
	C	Location of Repeater Panel	Required	FM staircase List (Lend)	MR
	D	Alternate power of Source	Required	UPS Supply	MR
	E	Hooter's location	Required	Concourse, platform, under croft & Ancillary building	MR
8	MOEFA		NA	Provided	MR
9	Public Address System		Required	Provided	MR
10	Automatic Sprinkler System				
	A	Basement (under track Mov Nozzle)	Required	Provided	MR
	B	Upper Floor	NA	NA	NA
	C	Sprinklers above false ceiling	NA	NA	NA
11	Internal hydrants				
	A	Size of the riser/down comer	150 mm	150 mm	MR
	B	No. Of hydrants per floor	Required	07+09=16	MR
	C	Hose box	Required	07+09=16	MR
12	Yard Hydrants				
	A	Total no. of hydrants	01 no.	01 no.	MR
	B	Hose box	01 no.	01 no.	MR
13	Pumping arrangements				
	A	Ground Level			
		a) Discharge of main pump	2839 LPM	HYD 2839 LPM SPK 2839 LPM	MR
		b) Head of main pump	50 m	HYD 90 m SPK 56 m	MR
		c) Number of main pump	02 no.	HYD 01 no. + standby 01 no.	MR
		d) Discharge of jockey pump	2 no. 180 LPM each	HYD 189 LPM SPK 189 LPM	MR
		e) Head of jockey pump	80 m	HYD 90 m SPK 56 m	MR
		f) Discharge of Standby pump	2839 LPM each	HYD-2839 LPM SPK-2839 LPM	MR
		g) Head of Standby pump	Required	HYD 90 m SPK 56 m	MR
		h) Auto starting/ manual stopping	Required	Jockey- auto start/stop main standby manual off	MR
	B	Terrace Level			
		a) Discharge of terrace pump	NA	NA	NA
		b) Head of terrace pump	NA	NA	NA
		c) Alternate power supply	NA	NA	NA
		d) Auto starting of pump	NA	NA	NA
14	Captive Water Storage for Fire Fighting				
	A	Underground tank capacity	2,00,000 Litre	02 Overhead tank 1,00,000 litres each	MR
	B	Draw off connection	Required	Provided	MR
	C	Fire Service Inlet	Required	Provided	MR
	E	Access to tank	NA	NA	NA
	D	Overhead tank capacity	1,00,000 litre	2x1,00,000 litre	MR
15	Exit Signage		Required	Provided	MR
16	Provision of lift				
	A	Pressurization of lift shaft	NA	NA	NA
	B	Pressurization of lift lobby	NA	NA	NA
	C	Communication in lift car	Required	Provided	MR
	D	Fireman switch	Required	Provided	MR
	E	Lift signage	Required	Provided	MR
17	Standby Power Supply		Required	Provided	MR

24/7

18	Refuge Area				
	A	location	NA	NA	NA
	B	Total area	NA	NA	NA
19	Fire Control Room				
	A	Fire Detection System panel	Required	Provided	MR
	B	Flow switch panel	Required	Provided	MR
	C	P A system panel	Required	Provided	MR
	D	Battery backup	Required	Provided	MR
	E	Building floor plan	Required	Provided	MR
20	Special Fire Protection for special risk if any				MR

The fire protection system was randomly checked and tested and was found functional at the time of inspection.

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. No. F6/DFS/MS/NDZ/2017/361 dated 14.03.2017 is recommended to be renewed under Rule 35 of the Delhi Fire Service Rules 2010.

Signature of the Inspecting Officer

Name Rajinder Atwal
Designation DO (CC)

Dy.CFO (NDZ)

Signature of the Inspecting Officer

Name Rajesh Kumar Shukla
Designation ADO (SPM)

9/11/2020

P.C.C.

10/11/2020

F.T letter is put up for signatures please.

Dy.CFO (NDZ) 15/11/2020

15/11/2020

M.S. all