

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

No. F.6/DFS/MS/Assembly/(UG)/SZ/2018/ 281

Dated: 22/2/18

FIRE SAFETY CERTIFICATE

Certified that the **Dashrathpuri Underground Metro Station of Line-8**, comprising of three levels (Undercroft, Platform, Concourse) & ancillary block owned / occupied by Delhi Metro Rail Corporation was inspected by the officer concerned of this department on 16/02/2018 in presence of Sh. Rajesh Jain, DGM (V & AE), Sh. Rajiv Saxena, DGM (E&M) & Sh. Balwant, DGM (Civil) and found that the said Metro Station building have 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 22/2/18 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.....22.2.18.....at New Delhi by.


(Vipin Kental)
Chief Fire Officer

Copy to:-

1. Sh. A.K. Singh, Executive Director/elect.-II, 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 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 www.dfs.delhigovt.nic.in
5. This fire safety certificate may not in any way be treated as regularization of unauthorized construction, 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	Under Ground Metro Station Dashpuri of Line- 8		
2	Type of Occupancy	Assembly (Group- D)		
3	Type of case	New		
4	Details of previous NOC	No		
5	Fire safety directives letter No	NBC/ NFPA		
6	Date of inspection	16.02.2018		
7	Name of the inspecting Officers :	M K Chattopadhyay DO (South West)		
8	Name and designation of officers from the building side	Sh. Rajesh Jain, DGM (V&AE), Rajiv Saxena, DGM(E & M) & Balwant Singh, DGM (Civil)		
9	Year of construction	2017		
10	Applicant's letter No.	DMRC/ED/EL-11/2J/Corrs. DFS dated 01.02.2018		
Under croft, Platform, Concourse & Ancillary Building				
S. NO.	Minimum Standards on fire prevention and fire safety U/R 33	NBC/NFPA Requirements	Provided at site	Remarks MR / NMR
1 Access to building				
	1) Road width	12 Meters	Provided	MR
	2) Gate width	6 Meters	6 Meters	MR
	3) Width of internal road	6 Meters	Direct accessible from road	MR
2 Number, width Type & arrangement of exits				
a. Number of staircases				
	1. Upper floors	N/A	N/A	N/A
	2. basements	2 Nos. Undercroft to Platform, 7 Nos. Platform to Concourse, 4 Nos. Concourse to ground. (Total-13 Nos.)	Provided	MR
b. Width of staircase				
	1. Upper floors	N/A	N/A	N/A
	2. basements	2 Nos. 1.25 M each, Undercroft to Platform, 2 Nos. 4.2 M each, 2 Nos. 3 M each, 3 Nos. 1.25 m each, Platform to Concourse, 3 Nos. 3.17 M, 3.62 M, 3.75 M & 1 No. 1.25 M Concourse to ground.	Provided	MR
c. Protection of exits				
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided in fireman staircase & emergency staircase	MR
d. No. of continuous staircase to terrace				
	e. Width of corridor	N/A	N/A	N/A
	f. Door size	1.50 Mtr.	Provided	MR
3 Compartmentation.				
	1. Fire check door	Required	Provided	MR
	2. Sealing of electrical shafts	Required	Provided	MR
	3. Fire Rating of shaft door	2 Hrs	2 Hrs	MR
	4. water curtain	N/A	N/A	N/A
	5. Fire dampers	Required	Provided	MR
4 Smoke Management system.				
	basement	Required	Provided	MR
	upper floors	N/A	N/A	N/A
5 Fire Extinguishers				
	total numbers	96 Nos.	Provided	MR
	Types	WCO2, CO2, ABC	Provided	MR
	ISI marking	Required	Provided	MR


[Handwritten Signature]

6	First-Aid Hose Reels.			
	total numbers on each floor	10 Nos. Conc. Level, 10 Nos. Plat. Level 2 Nos. in Ancillary area	Provided	MR
	Length of Hose reel hose	30 M	Provided	MR
	Nozzle Diameter	5 mm	Provided	MR
7	Automatic fire detection and alarming system			
	Type of detectors	Smoke / Heat	Provided	MR
	location of Main Panel	SCR	Station control room	MR
	location of Repeater panel	Required	Provided near staircase	MR
	Alternate source of power	Required	UPS / D.G. Set	MR
	hooter's location	At all locations	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public Address System.	Required	Provided	MR
10	Automatic Sprinkler System.			
	basement	Required	Provided (undertracks, staircase)	MR
	upper floors	N/A	N/A	N/A
	sprinkler above false ceiling	N/A	N/A	N/A
11	Internal Hydrants			
	Size of riser/down-corner	150 mm	150 mm	MR
	Number of Hydrants per floor	10 Nos. Conc. Level, 10 Nos. Plat. Level 1 No. Ancillary area	Provided	MR
	hose Box	Required	Provided	MR
12	Yard Hydrants.			
	total number of hydrants	Required	One	MR
	hose box	Required	Provided	MR
13	Pumping arrangements			
	1. Ground level			
	a. Discharge of main Pump	2839 LPM	Provided	MR
	b. Head of main pump	75 M	Provided	MR
	c. Number of main pumps	01 Hyd & 01 Spk	Provided	MR
	d. jockey pump out put	2 X 189 LPM	2 X 189 LPM Provided	MR
	e. jockey pump head	56 M	Provided	MR
	f. Standby Pump output	2 X 2839 LPM	Provided	MR
	g. Stanby Pump head	70 M	Provided	MR
	h. Auto Starting/Manual stopping	Required	Provided	MR
	pump house access			
	2. Terrace level			
	a. Discharge of pump	N/A	N/A	N/A
	b. head of the pump	N/A	N/A	N/A
	c. Power supply	N/A	N/A	N/A
	d. Auto starting of pump	N/A	N/A	N/A
14	Captive water storage for fire fighting			
	1. Underground tank capacity	N/A	N/A	
	a. Draw-off connection	Required	Provided	MR
	b. fire service inlet	Required	Provided	MR
	c. Access to tank	Required	Provided	MR
	Over head tank Capacity	200000 Ltrs.	100000 Ltrs. X 02	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of lifts.	Provided but non functional		
	a. Pressurization of lift shaft			
	b. pressurization of lift lobby			
	c. communication in lift car	Required	Provided	MR

	Fireman's grounding switch	Required	Provided	MR
	e. Lift signage	Required	Provided	MR
7	Standby power supply	Required	DG Set	MR
18	Refuge Area.			
	total area	N/A	N/A	N/A
	location	N/A	N/A	N/A
19	Fire control room			
	a. Detector system Panel	Required	Provided in SCR	MR
	b. Flow switch Panel	Required	Provided	MR
	c. PA system Panel	Required	Provided	MR
	d. Battery backup	Required	Provided	MR
	e. Building floor plans	Required	Provided	MR
20	Special Fire Protection System for Protection of special Risks, if any:	NOVEC gas flooding system protection provided for HT LT Panel & Transformer		

The fire protection systems provided in the building were randomly tested, checked and found functional at the time of inspection. The shortcomings pointed out by this department vide letter dated 11.01.2018 have been rectified. 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 DFA is put up for your approval and signature please.


20/2/18
M K Chattopadhyay
DO (South West)

109/20/80
20/2/2018

DCFO (S2)




20/2

CFO (SFO)

Miscell FTM
21/2

F.T. letter is put up for Sign. please.


22/2/18

1627/CFO S2
2/2

CFO (S2) / Miscell 22/2