

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

No.

F6/DFS/MS/2017/SZ/584

Dated: 25/09/17

FIRE SAFETY CERTIFICATE

Certified that M/s Metro Station at Terminal-3, IGI Airport, New Delhi-110037, comprised of five levels (undercroft, platform, concourse, mezzanine and ground floor) only, owned/occupied by Delhi Metro Rail Corporation, was granted Fire Safety Certificate by this department vide letter No. F6/DFS/MS/2014/SZ/330, dated 20-03-14. The premises was re-inspected by the officer concerned of this department on 17-03-17 in the presence of Sh. Waibhav Kumar, AM/Fire and found that the said premises 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 Class-D (Assembly Occupancy), Metro Station with effect from ...25/09/2017 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...25/09/2017 at New Delhi by.


(Vipin Kental)

Chief Fire Officer

T.No.011-23412225

Copy to:-1. Station In-Charge, Metro Station at Terminal-3, IGI Air port, New Delhi-110037. 
2. Kumar Waibhav, AM/Fire, Metro Bhawan, DMRC, New Delhi-110001.

Conditions for the validity of fire safety certificate are under:-

1. All the means of escape shall be kept free of all type of obstruction all the time.
2. All the employees shall be acquainted with the use and maintenance of all fire equipments and method of smooth and speedy safe evacuation of occupants in case of emergency.
3. All the fire fighting equipments shall be maintained in perfect working condition all the time and any lapse rendering non-functional of fire safety measures, management shall be responsible.
4. Any deviation, with regards to construction, ventilation, occupancy, electric installation etc. may be got verified from the concerned authorities.
5. This Fire Safety Certificate may not be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
6. The owner / occupier shall submit a declaration every year in form 'K' provided in the first schedule of Delhi Fire Service Rule 2010. The form is available on www.dfs.delhigovt.nic.in.
7. The owner/occupier shall apply for renewal of this Fire Safety Certificate on form J, six month prior to its expiry.

INSPECTION REPORT

1	Name & address of the building	M/s Metro Station at Terminal-3, IGI Air port, New Delhi-110037.		
2	Type of Occupancy	Assembly Occupancy (Metro Station)		
3	Building comprised of	Underground Metro Station of five levels comprised of undercroft, platform, concourse, mezzanine and ground floor.		
4	Type of case	Renewal		
5	Details of previous NOC	No. F6/MS/DFS/2014/SZ/330, Dated 20.03.2014		
6	Fire safety directives letter No	No.F6/DFS/MS/BP/2009/3889, Dated 23.12.2009.		
7	Date of inspection	17.03.2017.		
8	Name of the inspecting Officers	ADO Vedpal		
9	Name and designation of officers from the building side	Sh. Waibhav Kumar, AM/Fire DMRC.		
10	Year of construction	2010		
11	Applicant's letter No.	DMRC/O&M/Fire/NOC/L-6/2017/14, dated 21.02.2017.		
S. NO.	Minimum Standards on fire prevention and fire safety U/R 33	Requirements as per NFPA	Provided at site	Remarks MR / NMR
1	Access to building			
	1) Road width	12m	12m	MR
	2) Gate width	On road	On road	MR
	3) Width of internal road	N/A	N/A	N/A
2	Number, width Type & arrangement of exits			
	a. Number of staircases			
	1. Upper floors	N/A	N/A	N/A
	2. basements	Total=9nos (UC to PF=6nos, PF to Concourse=7nos & Concourse to GF=9nos.)	Total=9nos (UC to PF=6nos, PF to Concourse=7nos & Concourse to GF=9nos.)	MR
	b. Width of staircase			
	1. Upper floors	N/A	N/A	N/A
	2. basements	C.G 2400mm (min each)	1.5m(each)	MR(old case)
	c. Protection of exits			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided	MR
	d. No. of continuous staircase to terrace	N/A	N/A	N/A
	e. Width of corridor	2.5m	2.5m	MR
	f. Door size	2m	2m(final exit)	MR
3	Compartmentation.			
	1. Fire check door	Required	Provided	MR
	2. Sealing of electrical shafts	Required	Provided	MR
	3. Fire Rating of shaft door	Required	Provided	MR
	4. water curtain	N/A	N/A	N/A
	5. Fire dampers	Required	Provided	MR
4	Smoke Management system.			
	Basement	30 a/c per hour 12 a/c per hour	As per Engg analysis (Subway engronment simulation) & computational fluid dynamics	MR
	Upper floors			MR
5	Fire Extinguishers			
	total numbers	100Nos	114 Nos.Provided	MR
	Types	ABC, CO2, WCO2, Foam, DCP	ABC, CO2, Water CO2, Foam, DCP	MR
	ISI marking	ISI	Provided	MR
6	First-Aid Hose Reels.			
	Total numbers on each floor	Concourse=05nos, Platform=09nos & GF=01no.	Concourse=05nos, Platform=09nos & GF=01no.	MR
	Length of Hose reel hose	30 Mtr	30 Mtr Provided	MR
	Nozzle Diameter	5mm	5 MM Provided	MR

(Handwritten Signature)

7 Automatic fire detection and alarming system				
	Type of detectors	Smoke	Smoke	MR
	location of Main Panel	Required	Provided at concourse level	MR
	location of Repeater panel	N/A	N/A	N/A
	Alternate source of power	Required	Provided	MR
	hooter's location	Required	All Areas	MR
8	MOEFA	N/A	Provided	N/A
9	Public Address System.	Required	Provided	MR
10	Automatic Sprinkler System.			
	basement	Required	Provided in baggage handling area only	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	150mm Provided	MR
	Number of Hydrants per floor	Concourse=05nos, Platform=09nos & GF=01no.	Concourse=05nos, Platform=09nos & GF=01no.	MR
	hose Box	Concourse=05nos, Platform=09nos & GF=01no.	Concourse=05nos, Platform=09nos & GF=01no.	MR
12	Yard Hydrants.			
	total number of hydrants	08 Nos	08 Nos. Provided	MR
	house box	08 Nos.	08 Nos. Provided	MR
13	Pumping arrangements	As per NFPA		
	1. Ground level			
	a. Discharge of main Pump	2800LPM	4500 LPM Provided	MR
	b. Head of main pump	50m	80m	MR
	c. Number of main pumps	02nos.	02nos. (1no for hydrant & 1no standby)	MR
	d. jockey pump out put	180LPM (02nos.)	180LPM(01no)	MR(old case)
	e. jockey pump head	50m	80m	MR
	f. Standby Pump output	2800LPM(Electric)	4500 LPM(Electric)	MR
	g. Stanby Pump head	50m	80m	MR
	h. Auto Starting/Manual stopping	Required	Provided	MR
	pump house access	Required	Provided	MR
	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	200000 ltr	200,000 Ltr Provided	MR
	a. Draw-off connection	Required	Provided	MR
	b. fire service inlet	Required	Provided	MR
	c. Access to tank	Required	Provided	MR
	d. Over head tank Capacity	N/A	N/A	N/A
15	Exit Signage.	Required	Provided	MR
16	Provision of lifts.			
	a. Pressurization of lift shaft	Required	Provided	MR
	b. Pressurization of lift lobby	Required	Provided	MR
	c. Communication in lift car	Required	Provided	MR
	d. Fireman's grounding switch	Required	Provided	MR
	e. Lift signage	Required	Provided	MR
17	Standby power supply	Required	DG 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			
	a. Detector system Panel	Required	Provided	MR
	b. Flow switch Panel	Required	Provided	MR
	c. PA system Panel	Required	Provided	MR
	d. Batter backup	Required	Provided	MR
	e. Building floor plans	Required	Provided	MR

N/16

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Special Fire Protection systems for protection of special risks, if any:

CO2 & ABC Type Fire Extinguishers and Inert Gas flooding system Provided for Electric Panels=MR

The fire protection systems provided in the building were test checked at random and found functional at the time of inspection. In view of the deemed compliance of the minimum standards on fire prevention and fire safety required under the rules the FSC issued vide letter No.F.6/MS/DFS/2014/SZ/330, dated 20.03.2014, renewal under rule 37 of the Delhi Fire Service Rule 2010 is recommended. Certificates of design, installation and testing for fire fighting system, fire alarm and detection system and smoke extraction system have been received from DMRC and the same have been placed in file. Accordingly DFA is put up for kind consideration please

[Handwritten Signature] 29/3/17

Signature of the inspecting officer

Name Vedpal

Designation : Assistant Divisional Officer (S)

~~D.O. (SD)~~

~~*[Handwritten Signature]*~~
7/4/17

~~*[Handwritten Signature]*~~
CFO (S2)

[Handwritten Signature]
10/4



Received on 17-9-17

[Handwritten Signature] 17/4

~~CFO (S2)~~

m-s cell

FTM

[Handwritten Signature]
11/4

FT letter is put up for sign please

[Handwritten Signature]

18/4

ADDO (S)

~~CFO (S2)~~

m-s cell

[Handwritten Signature]
18/4

802/C/202
20/4/17