

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: CANNAUGHT PLACE
NEW DELHI- 110001

No. F6/DFS/MS/DMRC/NDZ/2018

11433

Dated: 20/06/18

FIRE SAFETY CERTIFICATE

Certified that the M/S Shiv Vihar Elevated Metro Station building Line -7 Delhi. Building comprised on a grade level, concourse level, and plate form level, owned / occupied by DMRC. The building was inspected by the officer concerned of this department on 28/05/2018 in the presence of Sh. VP Singh Dy.CEE and others of the premises and found that the "Assembly" building have deem complied with the Fire prevention and Fire safety requirements in accordance with the rules 33 of Delhi Fire Service Rules, 2010 and that the premises is fit for occupancy class "Group D-7 Assembly Building" with effect from ..20/06/18...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 subject to conditions printed over leaf.

Issued on.....20/06/18.....at New Delhi by

W
19/6
(Vipin Kental)
Chief Fire Officer
Delhi Fire Service

ok
h

Copy to:-

1. Sh. R K Saxena
Chief Engineer/ RC-1, DMRC. LTD.
Laxmi Nager - 4 site office,
Seed back Park School Block, Shakarpur,
Delhi-92.
2. Director Projects, Metro Bhawan,
Fire Brigade Lane Barkhamba Road
New Delhi.

CONDITIONS:

1. All the means of escape shall be kept free of all the 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. The clarification with regards electrical installation, ventilation, structure stability set back areas, occupancy and constructional deviation in building etc .may be got verified from the authorities concerned.
5. This Fire Safety Certificate can not be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
6. All comments/ directions of the Licensing Department shall always be permitted and followed.
7. 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"
8. 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

INSPECTION REPORT

1. Name & address of the building : Shiv Vihar Elevated Metro Station building
Line-7, Delhi.
2. Building is comprised of : Road level (GF) + Concourse level + platform floors.
3. Type of Occupancy : Assembly
4. Type of Case : New
5. Details of Previous FSC : NIL
6. Fire Safety direction letter No : Directive No. F.6/DFS/MS/BP/2013/255 Dated 29/08/13.
7. Date of Inspection : 28/05/18,
8. Name of the Inspecting Officers : DO. Francis Brown
9. Name of the designation of Officer :
from the building side : Sh. V. P. Singh Dy CEE. with others
10. Year of Construction : 2018
11. Applicant's letter No : DMRC/CGM/E/RC-1/DFS/L-7 dated. 17.05.18

S.No	Minimum Standards on fire prevention and fire safety U/R 33	Requirement Directive	Provided at Site	Remarks MR/NMR
1.	Access to building			
	Road width	06 m	14 m wide Main road	MR
	Gate width	N/A	N/A	N/A
	Width of internal road	N/A	N/A	N/A
2.	Number, Width, Type and Arrangement of Exits.			
	a. Number of Staircases			
	Upper Floor	06	06	MR
	Basement	N/A	N/A	N/A
	B. Width of Staircases			
	Upper Floor	06	(2.89m-01),(2.57m-01) (2.85m-02),(4.85m-02)	MR (50% Cap. of Escalators is counted for evacuation in NFPA)
	Basement			
	c. Protection of exits			
	Fire check door	N/A	N/A	N/A
	Pressurization	N/A	N/A	N/A
	e. No. of continuous staircases to terrace	N/A	N/A	N/A
g. Width of Corridor	1.5m	1.5m	MR	
h. Door Size	2.0 Mtrs.	2M, & 1.5 M	MR	
3.	Compartmentation.			
	Fire check door	Required	Provided	MR
	Sealing of electrical shafts	Required	Provided	MR
	Fire rating of shaft door	2 hrs.	2 hrs.	MR
	Water curtain	N/A	N/A	N/A
	Fire Dampers	N/A	N/A	N/A
4.	Smoke Management System.			
	Basement	N/A	N/A	N/A
	Upper floor	N/A	Natural Ventilated	N/A
5.	Fire Extinguisher			
	Total numbers	12 Nos.	14 Nos.	MR
	types	ABC type & Co2	ABC type & Co2	MR
	IS marking	ISI marked	ISI marked	MR

6.	First-aid-Hose Reels.			
	Total numbers of each floors	03 nos. concourse level 04 nos. platform level	03 nos. concourse level 04 nos. platform level	MR
	Length of hose reel hose	45 m	45 m	MR
	Nozzle diameter	6.5 mm	6.5 mm	MR
7.	Automatic fire detection and alarming system.			
	Type of detectors	Heat or Smoke	smoke	MR
	Location of main panel	G. Floor	G. Floor	MR
	Location of repeater panel	G. Floor	G. Floor	MR
	Alternate source of power	Battery & DG Set	Provided	MR
	Hooters	N/A	N/A	N/A
8.	MOEFA	Required	Provided	MR
9.	Public address System.	Required	Provided	MR
10.	Automatic Sprinkler System.			
	Basement	N/A	N/A	N/A
	Upper floor	N/A	N/A	N/A
	sprinkler above false ceiling	N/A	N/A	N/A
11.	Internal Hydrants			
	size of riser/down-comer	100 mm	100 mm	MR
	Number of hydrants each floor	04 nos. on platform level 03 nos concourse level	04 nos. on platform level 03 nos concourse level	MR
	Hose box each floor	As above	As above	MR
12.	Yard Hydrants.			
	Total number of hydrants	02	02	MR
	Hose Box	02	02	MR
13.	Pumping Arrangements.			
	<ul style="list-style-type: none"> • Ground Level ➤ 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 ➤ Discharge of pump ➤ Head of the Pump ➤ Power supply ➤ Auto Starting of pump 	Required	Provided	MR
		1800 lpm	Provided	MR
		70m	Provided	MR
		01	Provided	MR
		180 lpm	Provided	MR
		70 m	Provided	MR
		1800 lpm	Provided	MR
		70 m	Provided	MR
		Auto	Provided	MR
		Required	Provided	MR
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		Required	Provided	MR
		Required	Provided	MR

14.	Captive Water Storage for Fire Fighting.			
	Underground tank capacity	50000 Ltrs	50000 Ltrs	MR
	Draw-off connection	Required	Provided	MR
	Fire service inlet	Required	Provided	MR
	Access to tank	Required	Provided	MR
	Overhead Tank capacity	10,000 Ltrs.	10,000 Ltrs.	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
	Firemen's grounding switch	Required	Provided	MR
	Lift Signage	Required	Provided	MR
17.	Standby power supply	Required	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	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:	Required	NOVEC 1230 Clean Agent	MR

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

Keeping In view, compliance of the minimum standards of Fire prevention and Fire Safety measured as required under the Directive No. F.6/DFS/MS/BP/2013/267 dated 02/07/13 issued by this department.

The Fire safety certificate issued under rule 35 of the Delhi Fire Service Rules 2010 is recommended.

Accordingly, form "H" in the shape of 'DFA' is prepared and put up for your kind approval and signature please.

Francis Brown
30/5/18

Signature of the Inspecting Officer
Name : Francis Brown
Designation : DO (East)

Dy. CFO (NDZ)

The no of escalators provided have not been mentioned + if the staircase width meets the required norms of