

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

Fax No. 011-23412593, Ph. 011-23412225

No. F6/DFS/MS/Metro/2017/SZ/ 408

Dated: 17/03/17

FIRE SAFETY CERTIFICATE

Certified that the **Kalkaji Metro Station, New Delhi**, comprised of ground floor, concourse level & platform level Owned/Occupied by Delhi Metro Rail Corporation Ltd was granted Fire Safety Certificate by this department vide letter No. F6/DFS/MS/2014/Metro/SZ/264 dated 24/02/2014. The premises was re-inspected by the officer concerned of this department on 02/03/2017 in the presence of Mr. Pushkar Singh & Bhirgu (Fire Inspector) of the DMRCL and observed that the said building/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 occupancy class-D "Assembly- Metro railway" except property development area as above with effect from 17/03/17 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 17/03/17 at New Delhi by

V. K.
14/3.
(Vipin Kental)
Chief Fire Officer

Copy to: -

1. Mr. Vikas Bhardwaj (AM/Fire), DMRC Limited,
Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Conditions for the validity of Fire Safety Certificate

1. All the fire safety and means of escape facilities shall be maintained in good working condition at all time. Any lapse rendering the fire safety or means of evacuation facilities non-functional shall be the responsibility of the management.
2. Building Sanctioning authority may verify any deviation with regard to construction/occupancy in the building. In case of any deviation, the fire safety certificate stands null & void.
3. The staff shall be trained for operating fire fighting system and mock evacuation drill be conducted at regular interval and record be maintained.
4. The basement shall be used strictly as per the provisions of Building Bye Laws.
5. 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.
6. The Owner/Occupier shall apply for renewal of this Fire Safety Certificate to the Director in the form 'J' [sub rule (1) of rule 37] along with 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	Kalkaji Metro Station, New Delhi.		
2	Type of Occupancy	Assembly (D-7)		
3	Building Comprised of	Ground, concourse & platform level.		
4	Type of Case	Renewal		
5	Details of Previous NOC	F.6/DFS/MS/2014/Metro/SZ/264 dated 14/02/2014		
6	Fire Safety Directives Letter No	F.6/DFS/MS/BP/2008/2448 dated 27/08/2008		
7	Date of Inspection	02/03/2017		
8	Name of the Inspecting Officers	ADO R.N. Singh		
9	Name & Designation of Officers from the building side	Mr. Pushkar Singh & Bhirgu (Fire Inspector)		
10	Year of construction	2008-09		
11	Applicant letter No.	DMRC/O&M/Fire/NOC/L-6/2017/01 Dt. 20/01/2017		
S. No	Minimum standards on Fire Prevention and Fire Safety U/R 33	Old FSC Dt. 7/09/2010 requirement	Provided at Site	Remarks MR/NMR
1	Access to Building.			
	1. Road width	Required	09 mts.	MR
	2. Gate width	Directly accessible	MR
	3. Width of internal road	NA	NA.	NA
2	Number, width, type & arrangements of exits			
	a. Number of Staircase			
	1. Upper floors	Required	Gd. to Concourse- 02 No's Concourse to Platform-02 No's	MR
	2. Basement floor	NA	NA	NA
	b. Width of Staircase			
	1. Upper floors	Required	Gd. To C'course-4 mtr each C'course to platform-2.40, 2.32, 4.38 & 4.45 mtrs	MR
	2. Basement floor	NA	NA	NA
	c. Protection of exits			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	NA	NA	NA
	d. No. of continuous staircase to terrace	NA	NA	NA
	e. Width of corridor	2.5 mtr	Provided	MR
	f. Door size	1.5 m	1.5 m	MR
3	Compartmentation.			
	1. Fire check door.	Required	Provided	MR
	2. Sealing of electrical shafts.	Required	Provided	MR
	3. Fire rating of shaft door.	NA	NA	NA
	4. Water curtain	NA	NA	NA
	5. Fire dampers.	NA	NA	NA
4.	Smoke Management system.			
	1. Basement	NA	NA	NA
	2. Upper floors	NA	NA	NA
5.	Fire Extinguishers.			
	1. Total numbers	ISI Marked	42 No's	MR
	2. Types		ABC-34, W.Co2- 08	MR
	3. ISI Marking		Yes	MR
6.	First Aid Hose Reels.			
	1. Total numbers on each floor.	Hose-reel	C'course-02, Platform-04	MR
	2. Length of hose-reel hose.		45 m	MR
	3. Nozzle Diameter		05 mm	MR

Renewal

Kalkaji Metro Station, New Delhi.

For

7	Automatic fire detection & alarming system.			
	1. Type of detectors	Required	Smoke detectors	MR
	2. Location of Main Panel	Required	Station control room	MR
	3. Location of Repeater Panel	Required	Concourse level	MR
	4. Alternate source of power	Required	D.G. Set provided	MR
	5. Hooter's location	Required	Provided at all level	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	1. Basement	NA	NA	NA
	2. Upper floors	NA	NA	NA
	3. Sprinkler above false ceiling	NA	NA	NA
11.	Internal Hydrants.			
	1. Size of Riser/Down-comer	Required	100 mm provided	MR
	2. Number of Hydrant per floor	Required	Gd. level- 02, Concourse level-02, platform-04	MR
	3. Hose box.	Required	Gd. level- 02, Concourse level-02, platform-04	MR
12.	Yard Hydrants.			
	1. Total number of hydrants.	Required	Provided	MR
	2. Hose box.	Required	Provided	MR
13.	Pumping arrangements.			
	a) Ground Level			
	➤ Discharge of main pump.	1800 LPM	1800 LPM	MR
	➤ Head of main pump.	70 mtr	70 mtr	MR
	➤ Number of main pumps.	Two	Two	MR
	➤ Jockey Pump output.	180 LPM	180 LPM	MR
	➤ Jockey Pump head.	70 mtr	70 mtr	MR
	➤ Standby Pump output.	1800 LPM	1800 LPM	MR
	➤ Standby Pump head.	70 mtr	70 mtr	MR
	➤ Auto Starting/Manual Stopping.	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	b) Terrace Level			
	➤ Discharge of pump.	NA	NA	NA
	➤ Head of pump.	NA	NA	NA
	➤ Power supply.	NA	NA	NA
	➤ Auto starting of pump.	NA	NA	NA
14.	Captive water storage for Fire Fighting.			
	1. Underground tank capacity.	50,000 Ltr	Provided	MR
	2. Draw-off connection.	Required	Provided	MR
	3. Fire Service Inlet.	Required	Provided	MR
	4. Access to tank.	Required	Provided	MR
	5. Overhead tank capacity.	NA	NA	NA
15.	Exit Signage.	Required	Provided	MR
16.	Provision of Lifts.			
	1. Pressurization of lift shaft.	NA	NA	NA
	2. Pressurization of lift lobby.	NA	NA	NA
	3. Communication in lift car.	Required	Provided	MR
	4. Fireman's switch.	Required	Provided	MR
	5. Lift signage.	Required	Provided	MR
17	Standby Power Supply	Required	Provided (DG, Set)	MR
18.	Refuge Area			
	1. Total area	NA	NA	NA
	2. Location	NA	NA	NA

Renewal

Kalkaji Metro Station, New Delhi.

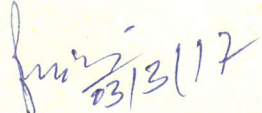
Ri

19.	Fire Control Room. 1. Detector System Panel. 2. Flow Switch Panel. 3. PA system Panel. 4. Battery backup 5. Building floor plan	Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
20.	Special Fire Protection System for the Protection of special Risk, if any :	Required	Provided Co2 flooding system near elect panel	MR

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

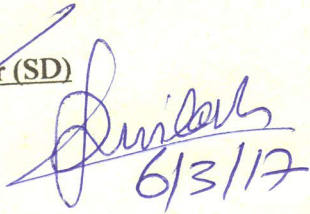
Keeping in view of the deemed compliance of the minimum standards on fire prevention and fire safety measures as required under the rules, the FSC issued vide letter No. F6/DFS/MS/2014/Metro/SZ/264 dated 24/02/2014, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

Accordingly, DFA is put up for approval and signature please.


 Signature of the Inspecting Officer
 Name : R.N. Singh
 Designation: ADO
 Kalkaji Metro Station, New Delhi.

Renewal

Div. Officer (SD)


6/3/17

Dy. CPO(S2) / on MR
CPO(S2)

FT(107).

M. S. Cell ✓
9/3

F.T. letter is put up for sign ple


10/3

M. S. Cell ✓
14/3

684/CPO S2
9/3. 1/15/17