

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

No. F.6/DFS/MS/Metro/2020/SZ/ 521

Dated: 14 / 12 /2020

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/Metro/2017/SZ/408 dated 17/03/2017. The premise was re-inspected by the officer concerned of this department on 03/12/2020 in the presence of Mr. Bhirgu (Manager) 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 Occupancy Metro railway**” **except property development area** as above with effect from 14/12/2020 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 compliance of the conditions under rule 38 of the Delhi Fire Service Rules, 2010.

Issued on 14 / 12 /2020 at New Delhi by

(Sunil Chawdhary)
Dy. Chief Fire Officer (SZ)
Delhi Fire Service

Copy to: -

1. Mr. Bhirgu Fukan Asst. Manager Delhi Metro Rail Corporation, Metro Bhawan, Fire Brigade Lane, New Delhi-110001.

Conditions for the validity of Fire Safety Certificate: -

1. All the fire safety arrangement provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life property due to non-functional fire safety measures shall be at the responsibility of the management.
2. All the staff members must know the correct method of operation of fire fighting system.
3. The basement shall be used strictly as per the provision of Building Bye Laws.
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 (Clause 2.8 of UBBL-2016) of unauthorized construction or alteration (Clause 1.4.3 of UBBL-2016), if any.
6. “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.”

INSPECTION REPORT				
1	Name & Address of the Building	Kalkaji Metro Station (DMRC), 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	F6/DFS/MS/Metro/2017/SZ/408 dt 17/03/2017		
6	Fire Safety Directives Letter No	F.6/DFS/MS/BP/2008/2448 dated 27/08/2008		
7	Date of Inspection	03-12-2020		
8	Name of the Inspecting Officers	Sh. Rajesh Kumar ADO (BCP)		
9	Name & Designation of Officers from the building side	Mr. Bhirgu Fukan (AM/Fire)		
10	Year of construction	2008-09		
11	Applicant letter No.	Online through Gmail dt 28/07/2020		
S. No.	Minimum standards on Fire Prevention and Fire Safety U/R 33	Old FSC Requirement	Provided at Site	Remarks MR/NMR
1	Access to Building.			
	• Road width	09 mts.	Provided	MR
	• Gate width	Directly accessible	MR
	• Width of internal road		N/A	N/A
2	Number, width, type & arrangements of exits			
	a. Number of Staircase			
	➤ Upper floors	Required	GF to CC level= 02 Nos Concourse to PF level= 02 Nos	MR
	➤ Basement floor	N/A	N/A	N/A
	b. Width of Staircase			
	➤ Upper floors	Required	GF to CC= 4. Mtr each CC to PF=2.40m, 2.32m, 4.38 & 4.45m	MR
	➤ Basement floor	N/A	N/A	N/A
	c. Protection of exits			
	➤ Fire check door	Required	Provided	MR
	➤ Pressurization	N/A	N/A	N/A
	d. No. of continuous staircase to terrace	N/A	N/A	N/A
	e. Width of corridor	2.5 mtr	Provided	MR
	f. Door size	1.5 mtr	1.5 mtr	MR
3	Compartmentation.			
	• Fire check door.	Required	Provided	MR
	• Sealing of electrical shafts.	Required	Provided	MR
	• Fire rating of shaft door.	N/A	N/A	N/A
	• 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 floors	N/A	N/A	N/A
5	Fire Extinguishers.			
	• Total numbers		42 Nos	MR
	• Types	ISI Marked	ABC 34, & W.CO ₂ 8	MR
	• ISI Marking		Provided	MR

2-14

6	First Aid Hose Reels.			
	<ul style="list-style-type: none"> Total numbers on each floor. Length of hose-reel hose. Nozzle Diameter 		CC= 2 Nos, PF= 4 Nos	MR
		Hose Reel	45m	MR
			5mm	MR
7	Automatic fire detection & alarming system.			
	<ul style="list-style-type: none"> Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooter's location 	Required	Smoke type	MR
		Required	Station Control Room	MR
		Required	Concourse level	MR
		Required	Provided DG Set	MR
		Required	Provided at all levels	MR
8	MOEFA	Required	Provided	MR
9	Public Address System	Required	Provided	MR
10	Automatic Sprinkler System			
	<ul style="list-style-type: none"> Basement Upper floors Sprinkler above false ceiling 	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
11	Internal Hydrants.			
	<ul style="list-style-type: none"> Size of Riser/Down-comer Number of Hydrant per floor Hose box. 	Required	100 mm	MR
		Required	G level -2, CC=2, PF=4	MR
		Required	G level- 2CC=2, PF=4	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants. Hose box. 	Required	Provided	MR
		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.	N/A	N/A	N/A
	➤ Head of pump.	N/A	N/A	N/A
	➤ Power supply.	N/A	N/A	N/A
	➤ Auto starting of pump.	N/A	N/A	N/A
14	Captive water storage for Fire Fighting.			
	<ul style="list-style-type: none"> Underground tank capacity. Draw-off connection. Fire Service Inlet. Access to tank. Overhead tank capacity. 	50,000 Ltr	50,000 Ltr	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		N/A	N/A	N/A
15	Exit Signage.	Required	Provided	MR

16	Provision of Lifts. <ul style="list-style-type: none"> • Pressurization of lift shaft. • Pressurization of lift lobby. • Communication in lift car. • Fireman's switch. • Lift signage. 	N/A	N/A	N/A
		N/A	N/A	N/A
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
17	Standby Power Supply	Required	Provided (DG Set)	MR
18	Refuge Area <ul style="list-style-type: none"> • Total area • Location 	N/A	N/A	N/A
		N/A	N/A	N/A
19	Fire Control Room. <ul style="list-style-type: none"> • Detector System Panel. • Flow Switch Panel. • PA system Panel. • Battery backup • 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 :	CO ₂ flooding system provided in electrical panel		MR

The fire protection system 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 standard on fire prevention and fire safety measures as required under the rules, the FSC issued vide letter no F6/DFS/MS/Metro/2017/SZ/408 dated 17/03/2017, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

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

RK
10/12/2018

Signature of Inspecting Officer
 Name: Rajesh Kumar
 Design: ADO (BCP)

20/12/18

R.K.P
10/12

DFO (F2)

F.I. please

A DO (BCP)

Kalkaji Metro Station, New Delhi

As approved, F.I. letter is put up for your signature pl

RK
10/12/2018