

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

No. F.6/DFS/MS/Metro/2023/SZ/ 616

Dated: 26/12/2023

FIRE SAFETY CERTIFICATE

Certified that **"DMRC Kalkaji Mandir Metro Station" New Delhi** comprised of Ground Floor, Concourse Level & platform Level owned/occupied by Delhi Metro Rail Corporation Ltd was issued Fire Safety Certificate by this department vide letter no F6/DFS/MS/Metro/2020/SZ/521 dated 14/12/2020. The premise was re-inspected by the officer concerned of this department on 22/12/2023 in the presence of Mr. Pankaj (Fire/Inspector) and found that the said metro station building 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"** as above with effect from 26/12/2023 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 26/12/2023 at New Delhi by

(ATUL GARG)
DIRECTOR
DELHI FIRE SERVICE

Copy to: -

1. Mr. Malay Saha (GM/E&M) 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."

N/16

INSPECTION REPORT

1	Name & Address of the Building	DMRC Kalkaji Mandir 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	F6/DFS/MS/Metro/2020/SZ/521 dt 14/12/2020		
6	Fire Safety Directives Letter No	F.6/DFS/MS/BP/2008/2448 dated 27/08/2008		
7	Date of Inspection	22-12-2023		
8	Name of the Inspecting Officers	DO (South) & ADO (BCP)		
9	Name & Designation of Officers from the building side	Mr. Pankaj (Fire/ Inspector)		
10	Year of construction	2008-09		
11	Applicant letter No.	DMRC/O&M/Fire/NOC/L-6/2023/11/04 dated 24/11/2023		
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 mtr.	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	GD to concourse - 02 No's CC level to PF level= 02 Nos	MR
	➤ Basement floor	N/A	N/A	N/A
	b. Width of Staircase			
	➤ Upper floors	Required	GD to concourse - 4 m each CC to PF - 2.4m, 2.32m, 4.38m & 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 31, & W.CO ₂ -11	MR
	• ISI Marking		Provided	MR
6	First Aid Hose Reels.			
	• Total numbers on each floor.	Required	CC= 2 FOB = 2, PF= 4 Nos	MR
	• Length of hose-reel hose.	Hose Reel	45m	MR
	• Nozzle Diameter	Required	5mm	MR
7	Automatic fire detection & alarming system.			
	• Type of detectors	Required	Smoke type	MR
	• Location of Main Panel	Required	Station Control Room	MR
	• Location of Repeater Panel	Required	Concourse level	MR

	<ul style="list-style-type: none"> • Alternate source of power • Hooter's location 	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	CC= 2 FOB = 2, PF= 4	MR
		Required	CC= 2 FOB = 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 	Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR

N/18

	• Building floor plan	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/2020/SZ/521 dt 14/12/2020, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

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

[Signature]
26/12/23

[Signature]
Signature of the Inspection Officer
Name: Sh. Manoj Kumar Sharma
Design: DO (South)

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

CFO (HQ)

[Signature]
26/12/2023
Director
[Signature]
26/12/23
AN