

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

No. F.6/DFS/MS/Assembly/UG/2024/SZ/403

Dated: 26/06/2024

FIRE SAFETY CERTIFICATE

Certified that the **Bhikaji Cama Place Underground Metro Station of Line -7**, comprising of Four Levels (Undercroft, Platform, Concourse, & Ground Level) owner/occupied by Delhi Metro Rail Corporation Ltd was issued Fire Safety Certificate by this department vide letter no F6/DFS/MS/Assembly.(UG)/SZ/2021/269 dated 21/06/2021. The premise was re-inspected by the officer concerned of this department on 15/06/2024 in the presence of Mr. Sanyam Jain (Manager Fire) & Mr. Pranjal Purwar (Sr. 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 "**Group D-7 Assembly Building**" (Except P.D Area), with effect from 26/06/2024 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 26/06/2024 at New Delhi by


(ATUL GARG)
DIRECTOR
DELHI FIRE SERVICE

Copy to: -

1. Mr. Malay Saha (CGM/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/13

INSPECTION REPORT				
1	Name & Address of the Building	Bhikaji Cama Place Underground Metro Station of Line 7		
2	Type of Occupancy	Assembly (D-7)		
3	Building Comprised of	(Undercroft, platform, Concourse & Ground Floor)		
4	Type of Case	Renewal		
5	Details of Previous NOC	F6/DFS/MS/Assembly.(UG)/SZ/2021/269 dated 21/06/2021		
6	Fire Safety Directives Letter No	F.6/DFS/MS/2013/2388 dated 09/10/2013		
7	Date of Inspection	15-06-2024		
8	Name of the Inspecting Officers	DO (South) & ADO (BCP)		
9	Name & Designation of Officers from the building side	Mr. Sanyam Jain (Manager Fire) & Mr. Pranjal Purwar (Sr. Fire inspector)		
10	Year of construction	2018		
11	Applicant letter No.	DMRC/C&R/FIRE/NOC/Line-7/2024/14 Dated 10/06/2024		
S. No.	Minimum standards on Fire Prevention and Fire Safety U/R 33	NFPA requirement	Provided at Site	Remarks MR/NMR
1	Access to Building.			
	• Road width	Required	10 mtr.	MR
	• Gate width	NA	6 m	NA
	• Width of internal road	Approachable	About on road	MR
2	Number, width, type & arrangements of exits			
	a. Number of Staircase	N/A	N/A	N/A
	➤ Upper floors	Undercroft to platform- 2 No Platform to CC- 5 No's + 02 Escalator	Provided	MR (50 % capacity of escalators is counted for evacuation in NFPA)
	➤ Basement floor	CC to Ground- 03 No's + 02 Escalator		
	b. Width of Staircase	N/A	N/A	N/A
	➤ Upper floors	1.12 m & 0.91 m (maintenance Staircase)	1.37 m x 1.37 No's	MR (Based on evacuation calculation submitted by DMRC as per NFPA)
	➤ Basement floor		3.64 m, 3.58 m, 1.25m, 1.25m & 1m + 1 m x 2 No's 3.92m, 4.26 m, & 1.1 m + 1m x 2 No's	
	c. Protection of exits	Required	Provided	MR
	➤ Fire check door	Required in Fireman staircase & emergency staircase	Provided	MR
	➤ Pressurization	N/A	N/A	N/A
	d. No. of continuous staircase to terrace	N/A	1 mtr	MR
	e. Width of corridor	0.91 m	1 mtr	MR
	f. Door size	0.91 m	1 mtr	MR
3	Compartmentation.			
	• Fire check door.	Required	Provided	MR
	• Sealing of electrical shafts.	Required	Provided	MR
	• Fire rating of shaft door.	30 minute & 3 hours	Provided	MR
	• Water curtain	N/A	N/A	N/A
	• Fire dampers.	Required	Provided	MR
4	Smoke Management system.			
	• Basement	N/A	N/A	N/A
	• Upper floors	N/A	N/A	N/A
5	Fire Extinguishers.			
	• Total numbers		103 Nos	MR
	• Types	ISI Marked	ABC , & W.CO ₂ , Co2	MR
	• ISI Marking		Provided	MR
6	First Aid Hose Reels			
	• Total numbers on each floor.	03 No in ancillary building, 13 Nos at CC & 06 Nos at each platform	Provided	MR

N/14

	<ul style="list-style-type: none"> Length of hose-reel hose. Nozzle Diameter 	Hose Reel Required	36m 6mm	MR 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 & Heat Station Control Room Concourse level Provided DG Set Provided at all levels	MR MR MR MR 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 	Required in following rooms:- mess, store, Security, Locker	Provided	MR
		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. 	150 mm	Provided	MR
		03 No in ancillary building, 13 Nos at CC & 06 Nos at each platform	Provided	MR
		03 No in ancillary building, 13 Nos at CC & 06 Nos at each platform	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants. Hose box. 	01 No's Required	Provided	MR
		01 No in ancillary building, 01 Nos at each tunnel portal	Provided	MR
13	Pumping arrangements.			
	a) Ground Level			
	<ul style="list-style-type: none"> Discharge of main pump. Head of main pump. Number of main pumps. Jockey Pump output. Jockey Pump head. Standby Pump output. 	2839 LPM	Provided	MR
		88m for hydrant & 75m for sprinkler	Provided	MR
		Two	Provided	MR
		2 x 189 LPM	Provided	MR
		88m for hydrant & 75m for sprinkler	Provided	MR
		2 x 2839 LPM (electric)	Provided	MR
		88m for hydrant & 75m for sprinkler	Provided	MR
	<ul style="list-style-type: none"> Standby Pump head. Auto Starting/Manual Stopping. Pump House Access 	Required	Provided	MR
		Required	Provided	MR
	b) Terrace Level			
	<ul style="list-style-type: none"> Discharge of pump. Head of pump. Power supply. Auto starting of pump. 	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		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. 	N/A	N/A	N/A
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		2,00,000 ltrs	Provided	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	<ul style="list-style-type: none"> Pressurization of lift shaft. Pressurization of lift lobby. 	N/A	N/A	N/A
		N/A	N/A	N/A
			N/A	N/A

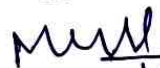
N/15


	<ul style="list-style-type: none"> • Communication in lift car. • Fireman's switch. • Lift signage. 	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 in SCR	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 :	Clean agent flooding system for electrical panels & Transformer	Provided local application with NOVEC 1230	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/Assembly.(UG)/SZ/2021/269 dated 21/06/2021, 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 Inspection Officer
Name: Sh. Manoj Kumar Sharma
Design: DO (South)


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

CFO (HQ)


20/6/2021
~~Director~~

21/06/21
AOC/AD
Director
24/6/21
A 7

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


24/6