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Azadi Ka
Amrit Mahotsav

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

No. F.6/DFS/MS/Metro/2024/SZ/ 536

Dated: 03/09/2024

FIRE SAFETY CERTIFICATE

Certified that the **South Extension underground Metro Station (Line-7) New Delhi**, comprised of Four levels (Undercroft, Platform, Concourse & Ground floor), owned/occupied by Delhi Metro Rail Corporation, was issued Fire Safety Certificate by this department vide letter No. F6/DFS/MS/SZ/2021/Metro/279 dated 25/06/2021. The premise was re-inspected by the officer concerned of this department on 16/08/2024 in presence of Mr. Vikash Bhardwaj (Manager/Fire) 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 "**Assembly Group D-7**" (Metro Station) with effect from 03/09/2024 for a period of **three years** in accordance with rule 36 unless renewal 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 03/09/2024 at New Delhi by


(ATUL GARG)
DIRECTOR
DELHI FIRE SERVICE

Copy to: -

1. Sh. Malay Saha (CGM/Elect & Mech), Delhi Metro Rail Corporation Limited, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Conditions for the validity of Fire Safety Certificate:

1. All the means of escape/entry/exit shall be kept free from any obstruction.
2. All the fire safety arrangement provided therein shall be maintained in good working conditions 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.
3. All the staff members must know the correct method of operation of firefighting system.
4. Any deviation with regard to construction, ventilation, occupancy, electric installation etc., may be got verified from concerned authorities.
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. 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.
7. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in Form 'J' [sub rule (1) of rule37] along with a copy of this Certificate, six months prior to its expiry".

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INSPECTION REPORT			
1.	Name & address of the building	South Extension underground Metro Station (Line-7) New Delhi.	
2.	Type of Occupancy	Assembly (Group D-7)	
3.	Building Comprised of	Four Level (Undercroft, Platform, Concourse & Ground floor).	
4.	Type of Case	Renewal	
5.	Details of previous NOC	F6/DFS/MS/SZ/2021/Metro/279 Dt. 25/06/2021	
6.	Fire Safety directives Letter	Nil	
7.	Date of inspection	16/08/2024	
8.	Name of Inspecting Officer	ADO (SJ)	
9.	Name and designation of Officer from building side	Mr. Vikash Bhardwaj (Manager/Fire)	
10.	Year of Construction	2018	
11.	Applicant letter No.	Outdoor Diary No. 2843 dated 11/06/2024	
S. No.	Minimum standards on fire prevention and fire safety U/R 33	Old FSC Requirements	Remarks MR/NMR
1.	Access of building		
	• Road width	Required	10m MR
	• Gate width	-NA-	6m -NA-
	• Width of internal road	-NA-	-NA- -NA-
2.	Number, width, Type & Arrangements of exits		
	a. Number of staircases		
	• Upper floors	-NA-	-NA- -NA-
	• Basements	1. Undercroft to PF= 2 Nos 2. Platform to CC= 5 + 2 Escalator 3. CC to GF= 5 + 5 Esc.	Provided MR (50% capacity of Esc is counted for evacuation in NFPA)
	b. Width of staircases		
	• Upper floors	-NA-	-NA- -NA-
	• Basements	1. 1.12m & 0.91m Maint. Staircase	1. 1.2m x 2nos. 2. 3.68m, 3.65m, 1.25m x 2 & 1m + 1m x 2nos Esc. 3. 3.6m x 3, 3.3m & 1m + 1m x 5nos Escalator MR
	c. Protection of exits		
	• Fire check door	Required	Provided MR
	• Pressurization	Reqd. in Fireman & Emergency Staircase	Provided MR
	d. No of continuous staircase to terrace	-NA-	-NA- -NA-
	e. Width of Corridor	0.91m	1m MR
	f. Door Size	0.91m	1m MR
3.	Compartmentation		
	• Fire check door	Required	Provided MR
	• Sealing of electrical shafts	Required	Provided MR
	• Fire Rating of shaft door	30mt. & 3hr	Provided MR
	• Water Curtain	-NA-	-NA- -NA-
	• Fire Dampers	Required	Provided MR
4.	Smoke managements System		
	• Basements	-NA-	-NA- -NA-
	• Upper floors	-NA-	-NA- -NA-
5.	Fire Extinguishers		
	• Total numbers	ISI marked	98 Nos MR
	• Types		ABC, CO ₂ & WCO ₂ MR
	• ISI marking		Provided MR
6.	First-Aid Hose Reels		
	• Total numbers on each floor	Hose-reel	02 in Ancillary building, 01 in S&T room corridor, 12 at Concourse & 08 at each Platform MR
	• Length of hose reel hose		36 mtr MR
	• Nozzle diameter		6 mm MR

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7.	Automatic fire detection and alarming system	Smoke & Heat	Provided	MR
	<ul style="list-style-type: none"> Type of detector Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	Required	Stn. Control Room	MR
		Required	Provided	MR
		Required	Provided (UPS)	MR
		All Areas	Provided	MR
8.	MOEFA	Required	Provided	MR
9	Public Address System	Required	Provided	MR
10	Automatic Sprinkler System	Required	Provided	MR
	<ul style="list-style-type: none"> Basements Upper Floors Sprinkler above false ceiling 	-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
11	Internal Hydrants	150 mm	Provided	MR
	<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor 	02 in Ancillary building, 01 in S&T room corridor, 12 at Concourse & 08 at each Platform	Provided	MR
		02 in Ancillary building, 01 in S&T room corridor, 12 at Concourse & 08 at each Platform	Provided	MR
	<ul style="list-style-type: none"> Hose Box 			
12	Yard Hydrants	1 No	Provided	MR
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	One in ancillary building & One at each tunnel portal	Provided	MR
13	Pumping Arrangements			
	<ul style="list-style-type: none"> Ground Level 	2839 LPM	2839 LPM	MR
	<ul style="list-style-type: none"> Discharge of main pump 	88m (Hydrant) 75m (Sprinkler)	88m (Hydrant) 75m (Sprinkler)	MR
	<ul style="list-style-type: none"> 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 	2 Nos 189 LPM x 2 88m & 75m 2839 LPM x 2 88m & 75m	Provided 189 LPM x 2 88m & 75m 2839 LPM x 2 88m & 75m	MR MR MR MR MR MR
	<ul style="list-style-type: none"> Terrace level Discharge of pump Head of the pump Power supply Auto starting of pump 	Required Required	Provided Provided	MR MR
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
14	Captive water Storage for fire fighting	-NA-	-NA-	-NA-
	<ul style="list-style-type: none"> Underground tank capacity Draw of connection Fire service inlet Access to tank Overhead Tank capacity 	Required Required Required 2 x 1,00,000 Ltr Required	Provided Provided Provided Provided Provided	MR MR MR MR MR
15	Exit Signage			
16.	Provision of Lifts			
	<ul style="list-style-type: none"> Pressurization of Lift Shaft Pressurization of lift lobby Communication in lift Car Fireman's Grounding Switch Lift Signage 	-NA- -NA- Required Required Required	-NA- -NA- Provided Provided Provided	-NA- -NA- MR MR MR
17.	Standby power supply	Required	Provided	MR
18.	Refuge Area			
	<ul style="list-style-type: none"> Total area Location 	-NA- -NA-	-NA- -NA-	-NA- -NA-

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19.	Fire control room			
	➤ Detector system panel	Required	Provided in SCR	MR
	➤ Flow Switch Panel	Required	Provided	MR
	➤ PA System Panel	Required	Provided	MR
	➤ Battery backup	Required	Provided	MR
	➤ Building Floor Plans	Required	Provided	MR
20.	Special Fire Protection Systems for Protection of Special Risks, if any;	Clean Agent flooding for electrical panels & Transformer.	Provided local application with NOVEC 1230	MR

Meeting Requirements (MR), Not Meeting Requirements (NMR), Not Applicable (NA), Provided but non-functional (PNF) & Not Provided (NP).

Note: Width of staircases shown in 2(b), based on evacuation calculation submitted by DMRC as per NFPA (N/3 & N/7)

The fire protection systems provided in the building/premises were checked, tested at random 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 Fire Safety Certificate issued vide letter No F6/DFS/MS/SZ/2021/Metro/279 dated 25/06/2021, renewal under rule 37 of Delhi Fire Service Rules 2010 is recommended including subway connecting existing Metro Station with Terminal-1).

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

Santosh Kumar
20/08/24

Signature of the Inspecting Officer
Name: Santosh Kumar
Designation: ADO (SJ)

DO (SD)

mevll
21/8/24

CfP
21/8/2024

Director
[Signature]
29/8/24

Sir, F.T. letter is Prdnp for your Ding. pl

Director
[Signature]
29/8/24

Santosh Kumar
28/08/24