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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/509

Dated: 08/08/2024

FIRE SAFETY CERTIFICATE

Certified that the **IGDA Underground Metro Station of Line-8** (Terminal-1, IGI Airport), New Delhi-110037, comprised of four levels (Undercroft, Platform, Concourse & Ground Level), owned/occupied by Delhi Metro Rail Corporation has already been issued Fire Safety Certificate by this department vide letter No. F.6/DFS/MS/SZ/2021/Metro/281 dated 25/06/2021. The premise was re-inspected by the officer concerned of this department on 07/08/2024 in presence of Mr. Vikash Bhardwaj (Manager/Fire) and found that the said premises have deemed complied with fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rules, 2010 and that the premises is fit (Including subway connecting existing metro station to Terminal-1) for occupancy class "**Assembly Group-D**" (Metro Station) with effect from 08/08/2024 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 08/08/2024 at New Delhi by

(ATUL GARG)
DIRECTOR
DELHI FIRE SERVICE

08/08/2024

Copy to: -

1. Sh. Malay Saha (GM / Elect & Tech), Delhi Metro Rail Corporation Limited, Metro Bhawan, 13, 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 rule 37] along with a copy of this Certificate, six months prior to its expiry".

INSPECTION REPORT

1.	Name & address of the building	IGDA underground Metro Station of Line-8 (T-1, IGI Airport), New Delhi-37		
2.	Type of Occupancy	Assembly (Group-D)		
3.	Building Comprised of	Undercroft, Platform, Concourse & Ground floor		
4.	Type of Case	Renewal		
5.	Details of previous NOC	F6/DFS/MS/SZ/2021/Metro/281 Dt. 25/06/2021		
6.	Fire Safety directives Letter	Nil		
7.	Date of inspection	07/08/2024		
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	2017		
11.	Applicant letter No.	Outdoor Diary No. 3038 dated 18/06/2024		
S. No.	Minimum standards on fire prevention and fire safety U/R 33	Old FSC Requirements	Provided at site	Remarks MR/NMR
1.	Access of building			
	• Road width	Required	10m	MR
	• Gate width	-NA-	6m	-NA-
	• Width of internal road	Approachable	Abuts on road	MR
2.	Number, width, Type & Arrangements of exits			
	a. Number of staircases			
	• Upper floors	-NA-	-NA-	-NA-
	• Basements	Undercroft to Platform=3 PF to CC=7 + 8 Escalator CC to GF=6 + 3 Escalator	Provided	MR 50% capacity of escalator is counted for evacuation in NFPA
	b. Width of staircases			
	• Upper floors	-NA-	-NA-	-NA-
	• Basements	2.4m & 1.2m Maintenance staircase	UC-PF=1.25 x 3, PF-CC=2.4m x 4, 2.85m, 1.25m x 2 & 1m x 2 CC - GF= 2.85m 4, 1.5m, 1.25m x 1 & 1m x 3	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	Ancillary Bldg.	1.25m	MR
	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	120 Nos	136 Nos	MR
	• Types	ABC/CO ₂ /WCO ₂	Provided	MR
	• ISI marking	ISI marked	Provided	MR
6.	First-Aid Hose Reels			
	• Total numbers on each floor	02 in ancillary bldg., 12 at CC, 09 at Platform & 07 in subway connecting T-1	Provided	MR
	• Length of hose reel hose	30m	Provided	MR
	• Nozzle diameter	5mm	Provided	MR

7.	Automatic fire detection and alarming system			MR
	<ul style="list-style-type: none"> Type of detector Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	Smoke & Heat	Smoke & Heat	MR
		Required	Station Control Room	MR
		Required	Provided	MR
		Required	Provided	MR
		All Areas	Provided	MR
8.	MOEFA	Required	Provided	MR
9	Public Address System	Required	Provided	MR
10	Automatic Sprinkler System			MR
	<ul style="list-style-type: none"> Basements Upper Floors Sprinkler above false ceiling 	Required	Provided	MR
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
11	Internal Hydrants			MR
	<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor Hose Box 	150 mm	Provided	MR
		02 in ancillary bldg., 12 at CC, 09 at Platform & 07 subway connecting T-1	Provided	MR
		02 in ancillary bldg., 12 at CC, 09 each Platform & 07 subway connecting T-1	Provided	MR
12	Yard Hydrants			MR
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	03 Nos	Provided	MR
		02nos in ancillary building & 1no at each tunnel portal	Provided	MR
13	Pumping Arrangements			
	<ul style="list-style-type: none"> Ground Level <ul style="list-style-type: none"> Discharge of main pump 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 Terrace level <ul style="list-style-type: none"> Discharge of pump Head of the pump Power supply Auto starting of pump 	2839 LPM	Provided	MR
		Hyd: 90m, Sprk: 56m	Provided	MR
		Two	Provided	MR
		189 LPM x 2	Provided	MR
		Hyd: 90m, Sprk: 56m	Provided	MR
		2839 LPM x 2	Provided	MR
		Hyd: 90m, Sprk: 56m	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
		-NA-	-NA-	-NA-
14	Captive water Storage for fire fighting			
	<ul style="list-style-type: none"> Underground tank capacity <ul style="list-style-type: none"> Draw of connection Fire service inlet Access to tank Overhead Tank capacity 	-NA-	-NA-	-NA-
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		2 x 100,000 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 Communication in lift Car Fireman's Grounding Switch Lift Signage 	Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	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 <ul style="list-style-type: none"> ➤ Detector system panel ➤ Flow Switch Panel ➤ PA System Panel ➤ Battery backup ➤ Building Floor Plans 	Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
20.	Special Fire Protection Systems for Protection of Special Risks, if any;	Clean agent flooding system for electric panel & Transformer	Provided local application with NOVEC-1230	MR

Note: Subway connecting existing Metro Station with Terminal-1 has already been cleared vide this department letter No. F6/DFS/MS/Metro/2021/08 dated 03/01/2022 (copy placed at C/69).

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/281 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
07-08-24

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

DO (SD)

mm
07/08/24

cto
07/08/24

Director
07/08/24