

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

No.F.6/DFS/MS/Assembly/UG/2024/SZ/ 399

Dated: 26/06/2024

## FIRE SAFETY CERTIFICATE

Certified that the Chirag Delhi Underground Metro Station of Line -8, comprising of Four Levels (Undercroft, Platform, Concourse, & Ground Level) was issued Fire Safety Certificate by this department vide letter F6/DFS/MS/Assembly.(UG)/2021/SZ/95 dated 04/02/2021. The premise was re-inspected by the officer concerned of this department on 15/06/2024 in the presence of Mr. Bhirgu Fukan (AM/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 "Group D-7 Assembly Building" as above 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

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: -

- 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 nonfunctional 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 <a href="https://www.dfs.delhigovt.nic.in">www.dfs.delhigovt.nic.in</a>
- 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.
- "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."



	INSDECT	ON DEDODT			_	
ř.	Name & Address of the Building	ION REPORT  Chirag Delhi Underground Metro Station of Line 8				
9 1		LINESCOND PART & THE STATE OF T				
2	Type of Occupancy	Assembly (D-7)				
3	Bullding Comprised of	(Undercroft, platform, Concourse & Ground Floor)				
4	Type of Case	Renewal   F6/DFS/MS/Assembly.(UG)/2021/SZ/95 dated 04/02/2021				
5	Details of Previous NOC					
6	Fire Safety Directives Letter No	F.6/DFS/MS/2013/2339 dated 27/09/2013				
7	Date of Inspection	15/06/2024				
8	Name of the Inspecting Officers	DO (South) & ADO (BCP) Mr. Bhirgu Fukan (AM/Fire)				
9	Name & Designation of	MI. Billigu F	ukan (Anv	Drue)		
	Officers from the building side	2018	1		_	
10	Year of construction	DMRC/O&M/Fire/NOC/L-8/2024/05/04 Dated 13/05/2024				
11	Applicant letter No.				narks	
S. No.	Minimum standards on Fire Prevention	Requirement				NMR
	and Fire Safety U/R 33	Requirement		Carried and Linear State	11110	. 121224
1	Access to Building.	Dogwisad		10 mtr.	F 1	MR
	Road width	Required NA		TO III.		NA
	Gate width					MR
	Width of internal road	Approachable	AO	out on road		WIIC
2	Number, width, type & arrangements of	exits		THE ENGLISH OF	-	
17/	a. Number of Staircase			NATURAL PROPERTY.		NI/A
	> Upper floors	N/A		N/A		N/A MR
		Undercroft to platform -2 No Platform to CC- 6 No's +		APPLE TO SELECTION OF THE SELECTION OF T	(50 %	% capacity
	bedried & Sampolitator (G	Platform to CC- 6 02 Escalator	NO S T			calators is inted for
	> Basement floor	CC to Ground- 06	No's + 03	ACID TROOF		cuation in
	Subject format date in early	Escalator			N	NFPA)
	b. Width of Staircase		Sept. Miles	nta in liqui	2.7.1	71-13
	> Upper floors	N/A		N/A		N/A
	hidu nost hide put et			.5 m x 2 No's		
	> Basement floor	-qm		.2 m x 2 No's	- 1	
		2.8 m & 1.2		m x 2 No's		
	1000 P1014	m		25 m x 2 No's	18	MR
	DSD/76-1	(maintenance	.togttog 17	1 m x 02 no's	No's	
	and the second s	Staircase)	2.6 m x 1	No's, 3.1 m x 02	No's	
		3.2m x 2 No's, 1.25m x 01 No's + 1 m x 3 No's		140 5	1	
	p-proof.			IIIXJINOS		
	c. Protection of exits		the state of	Provided		MR
	> Fire check door	Required		Provided		MR
	File check door		Required in Fireman staircase & emergency staircase		Provided	
	> Pressurization	Required in Firem		Provided		
	> Pressurization	& emergency		TVG (10.8)	5m)	MR
	Pressurization  d No. of continuous staircase to terrace	& emergency Ancillary b	uilding	Provided (1.2	5m)	MR MR
	<ul> <li>Pressurization</li> <li>No. of continuous staircase to terrace</li> <li>Width of corridor</li> </ul>	& emergency Ancillary b 0.91	uilding m	Provided (1.2 1 mtr	5m)	
31/ 1018	<ul> <li>Pressurization</li> <li>No. of continuous staircase to terrace</li> <li>Width of corridor</li> <li>Door size</li> </ul>	& emergency Ancillary b	uilding m	Provided (1.2	5m)	MR
81/2 31/2 3	<ul> <li>Pressurization</li> <li>d. No. of continuous staircase to terrace</li> <li>e. Width of corridor</li> <li>f. Door size</li> <li>Compartmentation.</li> </ul>	& emergency Ancillary b 0.91 t	uilding m m	Provided (1.2 1 mtr 1 mtr	150	MR MR
317 703	<ul> <li>Pressurization</li> <li>No. of continuous staircase to terrace</li> <li>Width of corridor</li> <li>Door size</li> <li>Compartmentation.</li> <li>Fire check door.</li> </ul>	& emergency Ancillary b 0.91 t 0.91 t Requir	uilding m m	Provided (1.2  1 mtr  1 mtr  Provided	. 150	MR MR
30' 100	<ul> <li>Pressurization</li> <li>d. No. of continuous staircase to terrace</li> <li>e. Width of corridor</li> <li>f. Door size</li> <li>Compartmentation.</li> </ul>	& emergency Ancillary b 0.91 t 0.91 t Requir	uilding m m	Provided (1.2  1 mtr 1 mtr  Provided Provided	180	MR MR MR
3 A	<ul> <li>Pressurization</li> <li>No. of continuous staircase to terrace</li> <li>Width of corridor</li> <li>Door size</li> <li>Compartmentation.</li> <li>Fire check door.</li> <li>Sealing of electrical shafts.</li> </ul>	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute &	red red 3 hours	Provided (1.2  1 mtr 1 mtr Provided Provided Provided	180	MR MR MR MR
3	Door size  Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door.  Wester curtain	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute &	red red 3 hours	Provided (1.2  1 mtr 1 mtr  Provided Provided Provided N/A	1 <u>0</u>	MR MR MR MR MR
3	<ul> <li>Pressurization</li> <li>d. No. of continuous staircase to terrace</li> <li>e. Width of corridor</li> <li>f. Door size</li> <li>Compartmentation.</li> <li>• Fire check door.</li> <li>• Sealing of electrical shafts.</li> <li>• Fire rating of shaft door.</li> <li>• Water curtain</li> </ul>	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute &	red red 3 hours	Provided (1.2  1 mtr 1 mtr Provided Provided Provided	1 <u>0</u>	MR MR MR MR
73 1, W	<ul> <li>Pressurization</li> <li>No. of continuous staircase to terrace</li> <li>Width of corridor</li> <li>Door size</li> <li>Compartmentation.</li> <li>Fire check door.</li> <li>Sealing of electrical shafts.</li> <li>Fire rating of shaft door.</li> <li>Water curtain</li> <li>Fire dampers.</li> </ul>	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute &	red red 3 hours	Provided (1.2  1 mtr 1 mtr  Provided Provided Provided N/A	1 <u>0</u>	MR MR MR MR MR
SP 3 3 AM	Door size Compartmentation.  • Fire check door. • Sealing of electrical shafts. • Fire rating of shaft door. • Water curtain • Fire dampers.  Smoke Management system.	& emergency Ancillary b 0.91 t 0.91 t Require Require 30 minute & N/A Require	red red 3 hours	Provided (1.2  1 mtr  1 mtr  Provided  Provided  Provided  N/A  Provided	147	MR MR MR MR MR MR
3 0 V	d No. of continuous staircase to terrace e. Width of corridor f. Door size  Compartmentation.  • Fire check door.  • Sealing of electrical shafts.  • Fire rating of shaft door.  • Water curtain  • Fire dampers.  Smoke Management system.  • Basement	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir	red red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided Provided	147	MR MR MR MR MR MR
73 1, W	Door size Compartmentation.  • Fire check door. • Sealing of electrical shafts. • Fire rating of shaft door. • Water curtain • Fire dampers.  Smoke Management system.	& emergency Ancillary b 0.91 t 0.91 t Require Require 30 minute & N/A Require	red red red red red	Provided (1.2  1 mtr  1 mtr  Provided  Provided  Provided  N/A  Provided	147	MR MR MR MR MR MR
4 3 4 3 4 3 1 4 3	Door size Compartmentation.  • Fire check door. • Sealing of electrical shafts. • Fire rating of shaft door. • Water curtain • Fire dampers.  Smoke Management system. • Basement • Upper floors	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir	red red red red red	Provided (1.2  1 mtr 1 mtr  Provided Provided Provided N/A Provided Provided N/A	ALVOS	MR MR MR MR MF MF MF
3 73 0 V	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Pressurization  terrace te	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir Requir	red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A	140	MR MR MR MR MR MF MF
4 3 4 3 4 3 1 4 3	d No. of continuous staircase to terrace e. Width of corridor f. Door size  Compartmentation.  • Fire check door.  • Sealing of electrical shafts.  • Fire rating of shaft door.  • Water curtain  • Fire dampers.  Smoke Management system.  • Basement  • Upper floors  Fire Extinguishers.  • Total numbers	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir	red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  ABC, & W.C.	l CO <sub>2</sub> ,	MR MR MR MR MR MR MR
43 A H 1 W 2 A H 1	d No. of continuous staircase to terrace e. Width of corridor f. Door size  Compartmentation.  • Fire check door.  • Sealing of electrical shafts.  • Fire rating of shaft door.  • Water curtain  • Fire dampers.  Smoke Management system.  • Basement  • Upper floors  Fire Extinguishers.  • Total numbers  • Types	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir Requir N/A	red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  Provided N/A  Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MR MF MF
3 4 A A A A A A A A A A A A A A A A A A	d No. of continuous staircase to terrace e. Width of corridor f. Door size  Compartmentation.  • Fire check door.  • Sealing of electrical shafts.  • Fire rating of shaft door.  • Water curtain  • Fire dampers.  Smoke Management system.  • Basement  • Upper floors  Fire Extinguishers.  • Total numbers	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir Requir N/A	red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  Provided N/A  Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MR MR MR
4 4 23 4	d No. of continuous staircase to terrace e. Width of corridor f. Door size  Compartmentation.  • Fire check door.  • Sealing of electrical shafts.  • Fire rating of shaft door.  • Water curtain  • Fire dampers.  Smoke Management system.  • Basement  • Upper floors  Fire Extinguishers.  • Total numbers  • Types	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir Requir N/A	red red red red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  Provided N/A  Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MR MR MR
3 3 1, W 4 711 4	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers Types ISI Marking  First Aid Hose Reels	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir N/A ISI Mar	red red red red	Provided (1.2  1 mtr 1 mtr Provided Provided Provided N/A Provided N/A Provided N/A Provided N/A Provided N/A Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MF N/A MF MI MI
3 4 3 5	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers Types ISI Marking	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir N/A ISI Mar	red red red red red red red red	Provided (1.2  1 mtr 1 mtr Provided Provided Provided N/A Provided N/A Provided N/A Provided N/A Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MR MR MR
3 0 V 4 71 71 71 71 71 71 71 71	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers Types ISI Marking  First Aid Hose Reels	& emergency Ancillary b 0.91 t 0.91 t Requir Requir 30 minute & N/A Requir N/A ISI Man 02 No in ancilla 17 Nos at	red	Provided (1.2  1 mtr 1 mtr Provided Provided Provided N/A Provided N/A Provided N/A Provided N/A Provided N/A Provided N/A	l CO <sub>2</sub> ,	MR MR MR MR MF N/A MF MI MI
3 4 3 5	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers ISI Marking  First Aid Hose Reels  Total numbers on each floor.	& emergency Ancillary b 0.91 t 0.91 t 0.91 t Require 30 minute & N/A Require Require N/A ISI Man 17 Nos at 09 Nos at each	red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  Provided N/A  Provided Provided N/A  Provided Provided N/A	CO <sub>2</sub> ,	MR M
3 4 3 5	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers Types ISI Marking  First Aid Hose Reels	& emergency Ancillary b 0.91 t 0.91 t 0.91 t Require Require 30 minute & N/A Require Require N/A ISI Man 17 Nos at 09 Nos at each Hose F	red	Provided (1.2  1 mtr 1 mtr Provided Provided Provided N/A Provided N/A Provided N/A  Provided N/A  Provided Provided Provided N/A  Provided Provided Provided	CO <sub>2</sub> ,	MR M
3 4 5 5	Door size Compartmentation.  Fire check door. Sealing of electrical shafts. Fire rating of shaft door. Water curtain Fire dampers.  Smoke Management system. Basement Upper floors  Fire Extinguishers. Total numbers ISI Marking  First Aid Hose Reels  Total numbers on each floor.	& emergency Ancillary b 0.91 t 0.91 t 0.91 t Require 30 minute & N/A Require Require N/A ISI Man 17 Nos at 09 Nos at each	red	Provided (1.2  1 mtr  1 mtr  Provided Provided Provided N/A Provided N/A  Provided N/A  Provided N/A  Provided Provided N/A  Provided Provided N/A	CO <sub>2</sub> ,	MR M

1		Damina	Smoke & H	la 4
	Type of detectors	Required		The second second
	Location of Main Panel	Required	Station Con Room	trol
	Location of Repeater Panel	Required	Concourse le	vv1
	<ul> <li>Alternate source of power</li> <li>Hooter's location</li> </ul>	Required	Provided DG	
- 1	• Hooter's location		Provided DG Provided at	the state of the s
		Required	levels	a
8	MOEFA	Required	Provided	1 1
9		Contract of the contract of th		
8	Public Address System	Required	Provided	
10	Automatic Sprinkler System	×15-17	THE RESERVE	
	Basement	Required in followi rooms:- mess, store Security, Locker	e, which is a finite finite of	M
	Upper floors	N/A	N/A	N/
	Sprinkler above false ceiling	N/A	N/A	12.75
11	Internal Hydrants.	N/A	I N/A	N/.
	Size of Riser/Down-comer	100	Total Section 2	
	Size of Riser/Down-comer	150 mm	Provided	MI
	N 1	01 No in ancillary build 17 Nos at CC &	ding, Provided	
	Number of Hydrant per floorp	09 Nos at each platfo	Amil Maily *	MF
	in the second se	01 No in ancillary build		
	<ul> <li>Hose box.</li> </ul>	17 Nos at CC &	- Flovided	MR
4 1	NA NA L	09 Nos at each platfor	m Just man	IVII
12	Yard Hydrants.			
	Total number of hydrants.	01 No's Require		MR
	Hose box.	01 No in ancillary build		MR
13	Pumping appearance	01 Nos at each tunnel pe	ortal	30937
17	Pumping arrangements.  a) Ground Level		manner l'in mil 17	ut.
	w, Ground Level	2020 I DI 4	at all regula	20310075
	Discharge of main pump.	2839 LPM 88m for hydrant & 56m i	Provided for Provided	MR
	➤ Head of main pump.	sprinkler	Flovided	MR
	Number of main pumps.	Two	Provided	MR
	Jockey Pump output.	2 x 189 LPM 88m for hydrant & 56m f	Provided	MR
	Jockey Pump head.	sprinkler	or Provided	MR
	Standby Pump output.	2 x 2839 LPM	Provided	MR
	➤ Standby Pump head.	(electric) 88m for hydrant & 56m f		
	> Auto Starting/Manual Stopping.	sprinkler	or Provided	MR
	> Pump House Access	Required	Provided	MR
	D	Required	Provided	MR
	b) Terrace Level		THE WORLD IN	
19	Discharge of pump.	N/A	N/A	N/A
	<ul><li>Head of pump.</li><li>Power supply.</li></ul>	N/A	N/A	N/A
36/	<ul><li>Power supply.</li><li>Auto starting of pump.</li></ul>	N/A N/A	N/A	N/A
14	Captive water storage for Fire Fighting.	IN/A	N/A	N/A
	Underground tank capacity.	N/A	N/A	N/A
	> Draw-off connection.	Required	Provided	MR
	<ul><li>Fire Service Inlet.</li></ul>	Required	Provided	MR
	Access to tank.	Required	Provided	MR
	Overhead tank capacity.	2,00,000 ltr	Provided	MR
15	Exit Signage.	Required	Provided	MR
				.,11(
16				
	<ul> <li>Pressurization of lift shaft.</li> </ul>	N/A	N/A	N/A
	<ul> <li>Pressurization of lift lobby.</li> </ul>	N/A	N/A	N/A
100	<ul> <li>Communication in lift car.</li> </ul>	Required	Provided	MR
	Fireman's switch.	Required	Provided	MR
	Lift signage.	Required	Provided	MR
17	Standby Power Supply	Required I	Provided (DG Set)	MR
18	Refuge Area			(
	Total area	N/A	N/A	N/A
	Location	N/A	N/A L	



10	Fire Control Room.			
19	Detector System Panel.     Flow Switch Panel.	Required in SCR	Provided	MR
	PA system Panel. Battery backup Building floor plan	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 provided		MR

The fire protection system provided in the building were randomly checked and found functional at the time of inspection.

Further, the party has complied all the observation / Shortcoming already issued & communicated by this department vide letter of even no 860 dated 03/05/2024.

Keeping in view of the deemed compliance of the minimum standard on fire prevention and measures as required under the rules, the FSC issued vide letter no F6/DFS/MS/Assembly.(UG)/2021/SZ/95 dated 04/02/2021, renewal under rule 37 of the Delhi Fire Service rules, 2010 is recommended.

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

mm 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)

approved, F.J. Ida is protup for synature o' My