

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI

HEAD QUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001

No. F6/DFS/MS/Assembly/(UG)/SZ/2024/08

Dated: 04/01/2024

FIRE SAFETY CERTIFICATE

Certified that the **Naraina Underground Metro Station of Line-7**, comprised of four levels (Undercroft, Platform, Concourse & Ground Level) owned/occupied by Delhi Metro Rail Corporation was granted Fire Safety Certificate by this department vide letter No. : F.6/DFS/MS/Assembly/(UG)/SZ/2021/75 dated 29.01.2021. The said Metro Station was re-inspected by the officer concerned of this department on 22.12.2023 in presence of Mr. Pranjal Purwar (Fire Inspector) and found that the premises 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 building/premises is fit for occupancy class "**Group D (Assembly Building)**" with effect from 04/01/2024 for a period of **03 (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, printed below.

Issued on 04/01/2024 at New Delhi by.

(Atul Garg)
Director
Delhi Fire Service

Copy to: -

1. Sh. Raviner Kaushik (Fire Inspector), Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi- 110001.
2. The Director j(Projects), DMRC, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi- 110001.

Conditions for the Validity of Fire Safety Certificate

1. All the fire safety arrangements provided therein shall be maintained in good working condition at all times.
2. Any loss of life or property due to non-functional fire safety measures shall be at the risk & responsibility of the management.
3. The trained staff should be available round the clock.
4. Any deviation w.r.t. construction shall be verified by the concerned building sanctioning agency.
5. The certificate may not be treated in any case for regularization of unauthorized construction, if any.
6. The basement shall be used strictly as per the provisions of the Building Bye Laws, 1983.
7. The owner/occupier shall submit a declaration every year in form 'K' Provided in the first schedule of Delhi Fire Service Rules 2010, form is available on www.dfs.delhigovt.nic.in

INSPECTION REPORT

1. Name & address of the building : Naraina Underground Metro Station, Line-7
2. Type of Occupancy : Assembly, Group-D
3. Type of Case : Renewal
4. Details of previous NOC : F.6/DFS/MS/Assembly/(UG)/SZ/2021/75 dated 29.01.2021
5. Fire Safety directives letter No : F6/DFS/MS/2013/2 dated 23/07/2013.
6. Date of inspection : 22/12.2023 VJ
7. Name of the Inspecting Officers : Udai Vir Singh, Asstt. Div. Officer (DWK)
8. Name and designation of officers from the building side : Mr. Pranjal Purwar (Fire Inspector)
9. Year of Construction : 2017[Undercroft + Platform + Concourse + Ground]
10. Applicant's letter No. : DMRC/O&M/Fire/NOC/L-7/2023/06 dated 22.11.2023

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	12 mts	MR
	• Gate width	N/A	06 mts	N/A
	• Width of internal road	N/A	06 mts	MR
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	N/A	N/A	N/A
	• Upper Floors	(1).Undercroft to Platform- 2 Nos	Provided	MR (50% capacity of Escalators is counted for evacuation in NFPA)
	• Basements	(2).Platform to Concourse-6 Nos +2 Escalators (3). Concourse to Ground- 03 Nos + 02 Escalator.		
	b. Width of staircases			
	• Upper Floors	-	-	-
	• Basements	N/A	N/A	N/A
	c. Protection of exits	2.8m & 1.2m (maintenance staircase)	(1). 1.40m x 2 Nos (2). 2.50 m x 2 Nos, 1.50 m x3 Nos& 1.42 m x 1 Nos + 1.13 m x 1 Nos (3). 4.50m x 2 Nos, 1.23 m x 1 Nos	MR
	• Fire check door	Required	Provided	MR
	• Pressurization	Required in Fireman Staircase & Emergency Staircase	Provided	MR
	e. No. of continuous staircases to terrace	NA	NA	NA
	g. Width of Corridor	NA	NA	NA
	h. Door Size	01 mt.	Provided	MR
3	Compartmentation.			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	90 minute	Provided	MR
	• Water Curtain	NA	NA	NA
	• Fire Dampers	Required	Provided	MR
4	Smoke Management System.			
	• Basements	Required in platform, concourse and tunnels	Provided	MR
	• Upper floors		NA	NA
5	Fire Extinguishers			
	• Total numbers	95 No's ABC/W.CO ₂ /CO ₂ ISI marked	Provided	MR
	• Types		Provided	MR
	• IS marking		Provided	MR

VJ

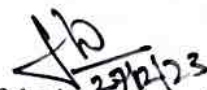
6	First-Aid Hose Reels.			
	<ul style="list-style-type: none"> Total numbers on each floor Length of hose reel hose Nozzle diameter 	1 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform 30 & 45 m 6 mm	Provided Provided Provided	MR MR MR
7	Automatic fire detection and alarming system.			
	<ul style="list-style-type: none"> Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	Smoke & Heat Station Control Room Required Required All areas	Provided Provided Provided Provided	MR MR MR MR
8	MOEFA			
		Required	Provided	MR
9	Public Address System.			
		N/A	Provided	N/A
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> Basement Upper Floor Sprinkler above false ceiling 	Under track MVW nozzle, Store rooms at Concourse & platform N/A N/A	Provided N/A N/A	MR N/A N/A
11	Internal Hydrants			
	<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor Hose Box 	150mm 3 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform 3 No. in ancillary building, 7 Nos at Concourse & 6 Nos at Platform	Provided Provided Provided	MR MR MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	2 Nos 02 Nos at ancillary building	Provided Provided	MR 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 	- Hyd-2839 LPM, SPK- 2839 LPM Hyd- 90 mts, SPK- 56 mts 02 Hyd-189 LPM, SPK- 189 LPM Hyd- 90 mts, SPK- 56 mts 2839 LPM 56 mts. Required Required - N/A N/A N/A N/A	- Provided Provided Provided Provided Provided Provided Provided - N/A N/A N/A N/A	- MR MR MR MR MR MR MR MR N/A N/A N/A N/A

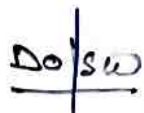


Captive Water Storage for fire fighting.				
14	<ul style="list-style-type: none"> Underground tank capacity Draw-off connection Fire service inlet Access to tank Overhead Tank capacity 	N/A	N/A	N/A
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		2 x 1,00,000 Lts	Provided	MR
		Required	Provided	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 	N/A	N/A	N/A
		N/A	N/A	N/A
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
17	Standby power supply	Required	D.G.Set Provided	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 Batter backup Building Floor Plans 	Required in SCR	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 Electrical Panels & Transformer	Provided NOVEC 1230	MR

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

In view the deemed compliance of the minimum standards on fire prevention and fire safety required as per Delhi Fire Service Act- 2007 under Delhi Fire Service Rules- 2010, the FSC issued vide letter No. F.6/DFS/MS/Assembly/(UG)/SZ/2021/75 dated 29.01.2023, renewal under rule 37 of the Delhi Fire Service rules 2010 is recommended.

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


 Signature of the inspecting officer
 Name- Udai Vir Singh
 Asstt. Div. Officer (DWK)


 27/12/23

 28/12/2023
 Director


AOK/DMZ