

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

No. F.6/DFS/MS/Metro/2019/SZ/ 1576

Dated: 6/8/2019

FIRE SAFETY CERTIFICATE

Certified that "INA Underground Metro Station" (Line-II), comprised of Ground floor, Concourse and Platform level was issued Fire Safety Certificate by this department vide letter No. F.6/DFS/MS/2010/2349 dated 11/08/2010. The metro station premise was re-inspected by the officer concerned of this department on 20/07/2019 in the presence of Mr. Vikas Bhardwaj (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 class **Assembly Class-D** (Metro Railway) with effect from the date of issue of this certificate 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 6/8/2019 at New Delhi by

(Atul Garg)
Chief Fire Officer
Ph: 011-23414250

Copy to: -

1. Sh. Rajesh Agrawal (JGM/E&M), 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 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.
3. All the staff members must know the correct method of operation of fire fighting system.
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."

INSPECTION REPORT

1	Name & Address of the Building	INA underground Metro Station, New Delhi (Line-II)		
2	Type of Occupancy	Assembly (D-7)		
3	Building Comprised of	Ground level, Concourse & Platform level (UG)		
4	Type of Case	Renewal		
5	Details of Previous NOC	F6/DFS/MS/2010/2349 dated 11-08-2010		
6	Fire Safety Directives Letter No	Nil		
7	Date of Inspection	20-07-2019		
8	Name of the Inspecting Officers	Mehmood, ADO (SJ)		
9	Name & Designation of Officers from the building side	Mr. Vikas Bhardwaj (AM/Fire)		
10	Year of construction	2010		
11	Applicant letter No.			
S. No.	Minimum standards on Fire Prevention and Fire Safety U/R 33	Requirements NFPA	Provided at Site	Remarks MR/NMR
1	Access to Building.			
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	Required	10m	MR
		N/A	6m	N/A
		Approachable	Abuts on road	MR
2	Number, width, type & arrangements of exits			
	a) Number of Staircase			
	➤ Upper floors	N/A	N/A	N/A
	➤ Basement floor	PF level to CC level= 5+2 Nos Escalator CC level to Gd. level= 3+3 Nos Escalator	Provided	MR (50% capacity of escalator is counted for evacuation in NFPA)
	b) Width of Staircase			
	➤ Upper floors	N/A	N/A	N/A
	➤ Basement floor	1.12m & 0.91m (maintenance Staircase)	PF-CC=3.4m x 3, 2.4m & 2.9m + 1m each escalator CC-GL=4m x 2, 7.65m +1m	MR
	c) Protection of exits			
	➤ Fire check door	Required	Provided	MR
	➤ Pressurization	Reqd. in Fireman & Emergency stairs	Provided	MR
	d) No. of continuous staircase to terrace	N/A	N/A	N/A
	e) Width of corridor	N/A	N/A	N/A
	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.	30 minutes & 3 hr	Provided	MR
	• Water curtain	N/A	N/A	N/A
	• Fire dampers.	Required	Provided	MR
4	Smoke Management system.			
	• Basement	Required	Provided	MR
	• Upper floors	N/A	N/A	N/A
5	Fire Extinguishers.			
	• Total numbers		104 Nos	MR
	• Types	ISI Marked	CO ₂ , W.CO ₂ & ABC	MR
	• ISI Marking		Yes	MR
6	First Aid Hose Reels.			
	• Total numbers on each floor.	Ancillary Bldg= 1 CC level= 9 Nos PF level= 4 Nos	Ancillary Bldg= 1 CC level= 9 Nos PF level= 4 Nos	MR
	• Length of hose-reel hose.	36m	36m	MR
	• Nozzle Diameter	6mm	6mm	MR
7	Automatic fire detection & alarming system.			
	• Type of detectors	Smoke & Heat	Provided	MR
	• Location of Main Panel	Station control room	Provided	MR
	• Location of Repeater Panel	Firemen's staircase	Provided	MR
	• Alternate source of power	Required	Provided	MR
	• Hooter's location	Required	Provided at all level	MR

Renewal

INA Underground Metro Station

8	MOEFA	Required	Provided	MR
9	Public Address System	Required	Provided	MR
10	Automatic Sprinkler System			
	<ul style="list-style-type: none"> Basement 	Required	Provided in Security, Mess & Store Room	MR
	<ul style="list-style-type: none"> Upper floors 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Sprinkler above false ceiling 	N/A	N/A	N/A
11	Internal Hydrants.			
	<ul style="list-style-type: none"> Size of Riser/Down-comer 	150 mm	Provided	MR
	<ul style="list-style-type: none"> Number of Hydrant per floor 	Ancillary Bldg= 1 CC level= 9 Nos PF level= 4 Nos	Provided	MR
	<ul style="list-style-type: none"> Hose box. 	Ancillary Bldg= 1 CC level= 9 Nos PF level= 4 Nos	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants. 	3 Nos	Provided	MR
	<ul style="list-style-type: none"> Hose box. 	3 Nos	Provided	MR
13	Pumping arrangements.			
	<ul style="list-style-type: none"> Ground Level 			
	<ul style="list-style-type: none"> Discharge of main pump. 	2850 LPM	2850 LPM	MR
	<ul style="list-style-type: none"> Head of main pump. 	75m & 56m	Provided	MR
	<ul style="list-style-type: none"> Number of main pumps. 	2 Nos	Provided	MR
	<ul style="list-style-type: none"> Jockey Pump output. 	2 x 189 LPM	Provided	MR
	<ul style="list-style-type: none"> Jockey Pump head. 	75m & 56m	Provided	MR
	<ul style="list-style-type: none"> Standby Pump output. 	2850 LPM	2850 LPM	MR
	<ul style="list-style-type: none"> Standby Pump head. 	75m	75m	MR
	<ul style="list-style-type: none"> Auto Starting/Manual Stopping 	Required	Provided	MR
	<ul style="list-style-type: none"> Pump House Access 	Required	Provided	MR
	<ul style="list-style-type: none"> Terrace Level 			
	<ul style="list-style-type: none"> Discharge of pump. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Head of pump. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Power supply. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Auto starting of pump. 	N/A	N/A	N/A
14	Captive water storage for Fire Fighting.			
	<ul style="list-style-type: none"> Underground tank capacity. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Draw-off connection. 	Required	Provided	MR
	<ul style="list-style-type: none"> Fire Service Inlet. 	Required	Provided	MR
	<ul style="list-style-type: none"> Access to tank. 	Required	Provided	MR
	<ul style="list-style-type: none"> Overhead tank capacity. 	2,00,000 Lts	Provided	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	<ul style="list-style-type: none"> Pressurization of lift shaft. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Pressurization of lift lobby. 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Communication in lift car. 	Required	Provided	MR
	<ul style="list-style-type: none"> Fireman's switch. 	Required	Provided	MR
	<ul style="list-style-type: none"> Lift signage. 	Required	Provided	MR
17	Standby Power Supply	Required	Provided (DG Set)	MR
18	Refuge Area			
	<ul style="list-style-type: none"> Total area 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Location 	N/A	N/A	N/A
19	Fire Control Room.			
	<ul style="list-style-type: none"> Detector System Panel. 	Reqd. in SCR	Provided	MR
	<ul style="list-style-type: none"> Flow Switch Panel. 	Required	Provided	MR
	<ul style="list-style-type: none"> PA system Panel. 	Required	Provided	MR
	<ul style="list-style-type: none"> Battery backup 	Required	Provided	MR
	<ul style="list-style-type: none"> Building floor plan 	Required	Provided	MR
20	Special Fire Protection System for the Protection of special Risk, if any :	Total Gas Flooding system & NOVAC for Transformer & Electric panels		MR

N/-13

INA Underground Metro Station, New Delhi (Line-II)

The Fire protection systems provided in the 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 FSC issued vide letter No. F6/DFS/MS/2010/2349 dated 11/08/2010, renewal under rule 37 of the Delhi Fire Service Rules-2010, is recommended.

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

Handwritten signature
25/3/19

Signature of the Inspecting Officer

Name: Mehmood

Design: ADO (SJ)

DO (SD)

Handwritten signature
26/3/19

Handwritten signature
26/3/19

Handwritten signature
30/3/19

Handwritten signature
30/3/19

Handwritten signature
FTB

Handwritten signature
AD (SJ)

Sir. A S.T. letter pending for signature please

Handwritten signature
21/3/19
AD (SJ)

Handwritten signature
21/3/19
AD (SJ)

