

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: CONNAUGHT PLACE
NEW DELHI-110 001.

E-mail:- cfohq.dlfire@nic.in

No.F.6/DFS/MS/2016/DMRC/52/244

Fax: - 011-23412593

Dated: 11/02/16

FIRE SAFETY CERTIFICATE

Certified that the building of **Delhi Metro Rail Corporation Ltd.**, Metro station at Tilak Nagar, New Delhi-110018, is comprised of basement, ground floor, concourse level and platform level was issued FSC by this department vide letter no. F.6/DFS/MS/2011/33 dated 07.01.2011. The building was re-inspected by the officer concerned of this department on 29.01.2016 in the presence of Sh. Kumar Vaibhav (A.M Fire), Sh. Ajay Kumar (Section Engineer), Sh. Rajiv Kumar (Works Dept.), Sh. Pavinder Kumar (Fire Inspector) and found that the management have deemed Complied with the fire prevention and fire safety requirements in accordance with the rule 33 of the Delhi Fire Service Rules, 2010 and that the building/ premises is fit for occupancy class "Assembly Building D-7" (Metro Station) w.e.f. 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 printed as below.

Issued on.....11/02/16..... at New Delhi.

(DR. G.C. MISRA)
CHIEF FIRE OFFICER
DELHI FIRE SERVICE

Copy to:-

Sh. Rajesh Agrawal,
Sr. DGM/E&M, Delhi Metro Rail Corporation Ltd.,
Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Following fire safety directives must be adhered to:-

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 and responsibility of the management.
3. The trained staff should be available round the clock.
4. Any deviations w.r.t. construction shall be verified by the concerned building sanctioning agency.
5. The certificate may not be treated in any case for the regularization of the unauthorized construction, if any.
6. Basement shall be used as per the building bye laws.
7. The owner/occupier shall submit a declaration every year in the form 'K' provided in the first schedule of Delhi Fire Service Rules 2010, form is available on www.dfs.delhigovt.nic.in.
8. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in the 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 : Delhi Metro Rail Corporation Ltd., Tilak Nagar, New Delhi-110018
2. Type of Occupancy : Assembly (Metro Station)
3. Type of Case : Renewal
4. Details of Previous NOC : F.6/DFS/MS/2011/33 dated 07.01.2011
5. Fire Safety directives letter No : F.6/MS/DFS/BP/2004/2546 dated 21.10.2004
6. Date of inspection : 29.01.2016
7. Name of Inspecting Officer : A.D.O. Sandeep Duggal
8. Name and designation of officers
From the building side : Sh. Kumar Vaibhav (A.M Fire), Sh. Ajay Kumar (Section Engineer),
Sh. Rajiv Kumar (Works Dept.), Sh. Pavinder Kumar (Fire Inspector)
9. Year of Construction : 2006
10. Applicant's letter No. : DMRC/O&M/Fire/NOC/L-3/2016/01 dated 14.01.2016

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NBC/ 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 	Accessible	12 mtrs 3 mtrs (04 no.'s)	M/R M/R
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	<ul style="list-style-type: none"> • Upper Floors • Basements 	04 No's	04 No's	M/R
		07 No's <i>San</i>	07 No's <i>San</i>	M/R
	b. Width of staircases			
	<ul style="list-style-type: none"> • Upper Floor • Basements 	200 cms	200 cms (04 no.'s) GF to platform level.	M/R
		200 cms	400 cms (4 no.'s) & 115 cms (03 no.'s) Basement to GF	M/R
	c. Protection of exits			
	<ul style="list-style-type: none"> • Fire check door • Pressurization 	N/A	N/A	N/A
		N/A	N/A	N/A
	d. No. of continuous staircases to terrace			
		N/A	N/A	N/A
	e. Width of Corridor			
		200 cms	400 cms	M/R
	f. Door Size			
		100 cms	100 cms	M/R
3.	Compartmentation			
	<ul style="list-style-type: none"> • Fire check door • Sealing of electrical shafts • Fire Rating of shaft door • Water Curtain • Fire Dampers 	Required 01 Hrs.	Provided	M/R
		Required 02 Hrs	Sealed	M/R
		N/A	Provided	M/R
		N/A	N/A	N/A
		N/A	N/A	N/A

San

4.	Smoke Management System			
	• Basements	Required <i>Sam</i>	Exhaust fans are provided	M/R
	• Upper floors	N/A <i>Sam</i>	Natural ventilation	M/R
5.	Fire Extinguishers			
	• Total numbers	45 no.'s	Provided	M/R
	• Types	ABC/CO2 type	Provided	M/R
	• IS marking	ISI marked	ISI marked	M/R
6.	First-Aid Hose Reels			
	• Total numbers on each floor	04 no.'s at bsmt., 03 no.'s at GF & CC & 04 no.'s at PF	04 no.'s at bsmt., 03 no.'s at GF & CC & 04 no.'s at PF	M/R
	• Length of hose reel hose	45 mtrs	Provided	M/R
	• Nozzle diameter	6.5 mm	Provided	M/R
7.	Automatic fire detection and alarming system			
	• Type of detectors (smoke)	Required <i>Sam</i>	Provided	<i>M/R Sam</i>
	• Location of Main Panel	N/A	Ground floor	N/A
	• Location of Repeater Panel	N/A	N/A	N/A
	• Alternate source of power	Required	Provided	M/R
	• Hooters' Location	Required <i>Sam</i>	Provided	M/R
8.	MOEFA	Required	Provided	M/R
9.	Public Address System	Required	Provided	M/R
10.	Automatic Sprinkler System			
	• Basement	Required	Provided	M/R
	• Ground Floor	N/A	N/A	N/A
	• Sprinkler above false ceiling	N/A	N/A	N/A
11.	Internal Hydrants			
	• Size of riser/down-comer	Required	150/100 mm	M/R
	• Number of hydrants per floor	Required	04 no.'s at bsmt., 03 no.'s at GF & CC & 04 no.'s at PF	M/R
	• Hose Box	Required	04 no.'s at bsmt., 03 no.'s at GF & CC & 04 no.'s at PF	M/R
12.	Yard Hydrants			
	• Total number of hydrants	Required	04 no.'s Provided	M/R
	• Hose Box	Required	04 no.'s Provided	M/R
13.	Pumping Arrangements			
	• Ground Level			
	➤ Discharge of main Pump	1800 LPM	Provided	M/R
	➤ Head of Main pump	40 mtrs	Provided	M/R
	➤ Number of main pumps	01 no.'s	Provided	M/R
	➤ Jockey Pump out put	180 LPM	Provided	M/R
	➤ Jockey pump head	40 mtrs	Provided	M/R
	➤ Standby Pump out put	1800 LPM	Provided	M/R

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Comprised of Basement, Ground, Concourse level and platform level
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	<ul style="list-style-type: none"> ➤ Standby Pump Head ➤ Auto Starting/Manual Stopping 	40 mtrs	Provided	M/R
		Required	Provided	M/R
	<ul style="list-style-type: none"> ➤ Pump House Access 	N/A	N/A	N/A
	<ul style="list-style-type: none"> • Terrace level 			
	<ul style="list-style-type: none"> ➤ Discharge of pump ➤ Head of the pump ➤ Power Supply ➤ Auto Starting of pump 	1800 LPM & 180 LPM	1800LPM (02 no.'s) & 180 LPM	M/R
		40 mtrs	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
14.	Captive Water Storage for fire fighting			
	<ul style="list-style-type: none"> • Underground tank capacity ➤ Draw-off connection ➤ Fire service inlet ➤ Access to tank • Overhead Tank capacity 	100000 ltrs	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
		10000 ltrs	Provided	M/R
15.	Exit Signage.	Required	Provided	M/R
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
		N/A	N/A	N/A
		Required	Provided	M/R
		Required	Provided	M/R
17.	Standby power supply	Required	Provided	M/R
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 • Battery backup • Building Floor Plans 	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
20.	Special Fire Protection System for Protection of special Risks, if any:	N/A	Automatic CO ₂ flooding system in LT panel & Manual CO ₂ flooding system in HT panel	N/A

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Comprised of Basement, Ground, Concourse level and platform level
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The fire protection systems provided in the building were tested, checked and found functional at the time of inspection.

In view of the deemed compliance of the minimum standards of fire prevention and fire safety measures as required under the rules the FSC issued vide letter number F.6/DFS/MS/2011/33 dated 07.01.2011 renewal under rule 35 of the Delhi Fire Service Rules 2010 is recommended.

~~Sandeep~~
21/2/16

Signature of Inspecting Officer
Name:- Sandeep Duggal
Designation:- Asstt. Divisional Officer

Signature of Inspecting Officer
Name:-
Designation:- Divisional Officer

D.O (South West)

~~Pranav~~
21/2/16

Dy CFO (SW)
~~Pranav~~
3/2/16

~~efo/south~~

~~Pranav~~
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All overwriting/corrections to be initiated./signed by the inspecting officer before issue.

~~Pranav~~
5/2

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