

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI

HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001

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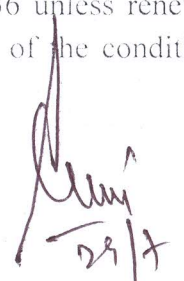
NO.F6/DFS/MS/2015/ DMRC/52/1367

Dated: 30/07/15

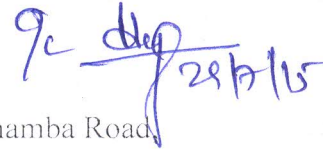
FIRE SAFETY CERTIFICATE

Certified that "DMRC Tughlakabad Metro Station", New Delhi, comprised of ground floor, concourse and platform level was granted NOC by this department vide letter No. F.6/DFS/MS/2010/3044 dated 28-10-2010. The metro station was re-inspected by the officer concerned of this department on 22-07-2015 in the presence of Mr. Bhriгу. Fire Inspector 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 building/premises is fit for occupancy **class D (Assembly- metro railway)** with effect from 30/07/15 for a period of **3(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 30/07/15 at New Delhi by



(Dr. G.C. MISRA)  
CHIEF FIRE OFFICER



Copy to: -

- Chief Architect, DMRC Ltd., Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001.

Conditions for the validity of fire safety certificate

- All the fire safety and means of escape facilities shall be maintained in good working conditions at all time. Any lapse rendering fire safety or means of evacuation facilities rendering non-functional shall be the responsibility of the management.
- Building Sanctioning authority may verify any deviation with regard to the construction / occupancy in the building. In case of any deviation, the fire safety certificate stands null and void.
- The staffs shall be trained for operating fire fighting system and mock evacuation drills be conducted at regular intervals and record be maintained.
- 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 website [www.dfs.delhigovt.nic.in](http://www.dfs.delhigovt.nic.in)

80 - 17/15

## INSPECTION REPORT

1. Name & address of the building : Tughlakabad Metro Station, New Delhi
2. Type of Occupancy : Assembly (D-7)
3. Type of Case : renewal
4. Details of previous NOC : F6/DFS/MS/2010/3044 dated 28/10/2010.
5. Fire Safety directives letter No : F.6/DFS/MS/BP/2009/30 dated 05/01/2009
6. Date of inspection : 22.07.2015
7. Name of the Inspecting Officers : M.K.Chattopadhyay, ADO(M.Rd)
8. Name and designation of officers from the building side : Mr. Bhriгу (Fire Inspector)
9. Year of Construction : 2008-09
10. Applicant's letter No. : DMRC//O&M/Fire/NOC/L-6/2015/22 dated 25.06.2015

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NBC Requirement	Provided at site	Remarks MR/NMR
1	<b>Access to building</b>			
	<ul style="list-style-type: none"> <li>• Road width</li> </ul>	09 mts	Provided	MR
	<ul style="list-style-type: none"> <li>• Gate width</li> </ul>	-----	Directly accessible	MR
	<ul style="list-style-type: none"> <li>• Width of internal road</li> </ul>	N/A	N/A	N/A
2	<b>Number, Width, Type &amp; Arrangement of Exits</b>			
	a. Number of staircases	-	-	-
	<ul style="list-style-type: none"> <li>• Upper Floors</li> <li>• Basements</li> </ul>	Old Case	02 Nos. (Ground to concourse); 04 Nos. (concourse to platform)	MR
		N/A	N/A	N/A
	b. Width of staircases	-	-	-
	<ul style="list-style-type: none"> <li>• Upper Floors</li> <li>• Basements</li> </ul>	Old Case	Ground to concourse (4.0 mts each) concourse to platform (2.40 mts each)	MR
		N/A	N/A	N/A
	c. Protection of exits	-	-	-
	<ul style="list-style-type: none"> <li>• Fire check door</li> <li>• Pressurization</li> </ul>	Required	Provided	MR
		N/A	N/A	N/A
		N/A	N/A	N/A
	e. No. of continuous staircases to terrace	2.5 mts	provided	MR
	g. Width of Corridor	1.5 mts	provided	MR
	h. Door Size			
3	<b>Compartmentation.</b>			
	<ul style="list-style-type: none"> <li>• Fire check door</li> <li>• Sealing of electrical shafts</li> </ul>	Required	Provided	MR
		Required	Provided	MR

	<ul style="list-style-type: none"> <li>• Fire Rating of shaft door</li> <li>• Water Curtain</li> <li>• Fire Dampers</li> </ul>	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
4	<b>Smoke Management System.</b>			
	<ul style="list-style-type: none"> <li>• Basements</li> <li>• Upper floors</li> </ul>	30 a/c per hour	N/A	N/A
		12 a/c per hour	N/A	N/A
5	<b>Fire Extinguishers</b>			
	<ul style="list-style-type: none"> <li>• Total numbers</li> <li>• Types</li> <li>• IS marking</li> </ul>	30 CO <sub>2</sub> , W.CO <sub>2</sub> ISI marked	Provided Provided Provided	MR MR MR
6	<b>First-Aid Hose Reels.</b>			
	<ul style="list-style-type: none"> <li>• Total numbers on each floor</li> <li>• Length of hose reel hose</li> <li>• Nozzle diameter</li> </ul>	Concourse-3, Platform-4 45 m 5 mm	Provided Provided Provided	MR MR MR
7	<b>Automatic fire detection and alarming system.</b>			
	<ul style="list-style-type: none"> <li>• Type of detectors</li> <li>• Location of Main Panel</li> <li>• Location of Repeater Panel</li> <li>• Alternate source of power</li> <li>• Hooters' Location</li> </ul>	Required Required Required Required Required	Smoke Detectors Provided Provided at Station Control Room Provided at Station Concourse level D.G Set Provided Provided at all levels	MR MR MR MR MR
8	<b>MOEFA</b>	Required	Provided	MR
9	<b>Public Address System.</b>	Required	Provided	MR
10	<b>Automatic Sprinkler System.</b>			
	<ul style="list-style-type: none"> <li>• Basement</li> <li>• Upper Floor</li> <li>• Sprinkler above false ceiling</li> </ul>	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
11	<b>Internal Hydrants</b>			
	<ul style="list-style-type: none"> <li>• Size of riser/down-comer</li> <li>• Number of hydrants per floor</li> <li>• Hose Box</li> </ul>	150 mm Concourse-3, Platform-4, Ground-2 Concourse-3, Platform-4, Ground-2	Provided Provided Provided	MR MR MR
12	<b>Yard Hydrants.</b>			
	<ul style="list-style-type: none"> <li>• Total number of hydrants</li> </ul>	Required	Provided	MR

	• Hose Box	Required	Provided	MR
13	<b>Pumping Arrangements.</b>			
	• Ground Level	-	-	-
	➤ Discharge of main Pump	1800 LPM	Provided	MR
	➤ Head of Main pump	80 mts.	Provided	MR
	➤ Number of main pumps	02	Provided	MR
	➤ Jockey Pump out put	180 PM	Provided	MR
	➤ Jockey pump head	80 mts	Provided	MR
	➤ Standby Pump out put	1800 LPM	Provided	MR
	➤ Standby Pump Head	80 mts.	Provided	MR
	➤ Auto Starting/ Manual stopping	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	• Terrace level	-	-	-
	➤ Discharge of pump	N/A	N/A	N/A
	➤ Head of the pump	N/A	N/A	N/A
	➤ Power Supply	N/A	N/A	N/A
	➤ Auto Starting of pump	N/A	N/A	N/A
14	<b>Captive Water Storage for fire fighting.</b>			
	• Underground tank capacity	50.000 lts	Provided	MR
	➤ Draw-off connection	Required	Provided	MR
	➤ Fire service inlet	Required	Provided	MR
	➤ Access to tank	Required	Provided	MR
	• Overhead Tank capacity	N/A	N/A	N/A
15	<b>Exit Signage.</b>	Required	Provided	MR
16	<b>Provision of Lifts.</b>			
	• Pressurization of Lift Shaft	N/A	N/A	N/A
	• Pressurization of Lift lobby	N/A	N/A	N/A
	• Communication In lift Car	Required	Provided	MR
	• Fireman's Grounding Switch	Required	Provided	MR
	• Lift Signage	Required	Provided	MR
17	<b>Standby power supply</b>	Required	D.G.Set Provided	MR

18	<b>Refuge Area.</b>			
	➤ Total Area	N/A	N/A	N/A
	➤ Location	N/A	N/A	N/A
19	<b>Fire Control Room</b>			
	• Detector System Panel	N/A	N/A	N/A
	• Flow Switch Panel	N/A	N/A	N/A
	• PA System Panel	N/A	N/A	N/A
	• Batter backup	N/A	N/A	N/A
	• Building Floor Plans	N/A	N/A	N/A
20	Special Fire Protection Systems for Protection of special Risks, if any:	Required	CO <sub>2</sub> flooding system found provided in elect. panel	MR


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

All the shortcomings earlier issued by this department vide letter no. F6/DFS/MS/Metro/2014/417 dated 19.02.2014 has been compliance by the DMRC management.

In view the deemed compliance of the minimum standards on fire prevention and fire safety measures as required under the rules, the NOC issued vide letter No. F6/DFS/MS/2010/3044 dated 28/10/2010, renewal under rule 35 of the Delhi Fire Service rules 2010 is recommended.

Accordingly DFA is put up for signature please.

DO(Sr) - Leave  
 DCFo(Sr) 20/07/15

  
 23/7/15  
 M.K.CHATTOPADHYAY  
 Asstt. Div. Officer (M.Road)