

Office Copy

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEAD QUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001**

NO.F6/DFS/MS/2014/ Metro/52/264

Dated: 24/02/14

FIRE SAFETY CERTIFICATE

Certified that "Kalkaji Metro Station", New Delhi, comprised of ground floor, concourse level & platform level was granted Fire Safety Certificate vide letter No. F6/DFS/MS/2010/2801 dated 27.09.2010. the said metro station was re-inspected by the officer concerned of Delhi Fire Service on 14.02.2014 in presence of Mr.Haridas, , Mr. Sarvjeet Singh (JE, E&M) and found that the metro station 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) except property development area** with effect from 24/02/14 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 24/02/14 at New Delhi by.


(Santokh Singh)
CHIEF FIRE OFFICER
DELHI FIRE SERVICE
Ph.No-011-23414250

Copy to: -

1. 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

INSPECTION REPORT

1. Name & address of the building : Kalkaji Metro Station, New Delhi
2. Type of Occupancy : Assembly (D-7)
3. Type of Case : Renewal
4. Details of previous NOC : F6/DFS/MS/2010/2801 dated: 27/09/2010.
5. Fire Safety directives letter No : F.6/DFS/MS/BP/2008/2448 dated: 27/08/2008
6. Date of inspection : 14.02.2014
7. Name of the Inspecting Officers : D.B.Mukherjee, ADO (BCP)
8. Name and designation of officers from the building side : Mr. Haridas (Fire Inspector), Mr. Sarvjeet Singh(JE, E & M)
9. Year of Construction : 2008-09
10. Applicant's letter No. : DMRC//O&M/Fire/NOC/L-6/2013/37 dated 19.09.2013

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NBC Requirement	Provided at site	Remarks MR/NMR
1	Access to building			
	• Road width	09 mts	Provided	MR
	• Gate width	-----	Directly accessible	MR
	• Width of internal road	N/A	N/A	N/A
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	-	-	-
	• Upper Floors	Old case	02 Nos. (Ground to concourse); 04 Nos. (concourse to platform)	MR
	• Basements	Old case	N/A	N/A
	b. Width of staircases			
	• Upper Floors	Old case	Ground to concourse -4 mts, each Concourse to platform -2.40, 2.32, 4.38 & 4.45 mtrs.	MR
	• Basements	N/A	N/A	N/A
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	N/A	N/A	N/A
	e. No. of continuous staircases to terrace	N/A	N/A	N/A
	g. Width of Corridor	2.5 mts	provided	MR
	h. Door Size	1.5 mts	provided	MR
3	Compartmentation.			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	N/A	N/A	N/A

old case

aj

4/5

	<ul style="list-style-type: none"> Water Curtain Fire Dampers 	N/A	N/A	N/A
		N/A	N/A	N/A
4	Smoke Management System.			
	<ul style="list-style-type: none"> Basements Upper floors 	30 a/c per hour	N/A	N/A
		12 a/c per hour	N/A	N/A
5	Fire Extinguishers			
	<ul style="list-style-type: none"> Total numbers Types IS marking 	42 CO ₂ , W.CO ₂ ISI marked	Provided Provided Provided	MR MR MR
6	First-Aid Hose Reels.			
	<ul style="list-style-type: none"> Total numbers on each floor Length of hose reel hose Nozzle diameter 	--- 45 m 5 mm	Concourse-2, Platform-4 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 	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	MOEFA	Required	Provided	MR
9	Public Address System.	Required	Provided	MR
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> Basement Upper Floor Sprinkler above false ceiling 	N/A N/A N/A	N/A N/A N/A	N/A 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 	100 mm Ground level-02, Concourse-2, Platform-4, Ground level-02, Concourse-2, Platform-4,	Provided Provided Provided	MR MR MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	Required Required	Provided Provided and branch pipe	MR MR

fy

13	Pumping Arrangements.			
	• Ground Level	-	-	-
	➤ Discharge of main Pump	1800 LPM	Provided	MR
	➤ Head of Main pump	70 mts.	Provided	MR
	➤ Number of main pumps	02	Provided	MR
	➤ Jockey Pump out put	180 PM	Provided	MR
	➤ Jockey pump head	70 mts	Provided	MR
	➤ Standby Pump out put	1800 LPM	Provided	MR
	➤ Standby Pump Head	70 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	Captive Water Storage for fire fighting.			
	• 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	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	• 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	Standby power supply	Required	D.G.Set Provided	MR
18	Refuge Area.			
	➤ Total Area	N/A	N/A	N/A
	➤ Location	N/A	N/A	N/A

[Handwritten signature]


2/7

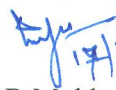
19	Fire Control Room			
	• Detector System Panel	Required	Provided	MR
	• Flow Switch Panel	Required	Provided	MR
	• PA System Panel	Required	Provided	MR
	• Batter backup	Required	Provided	MR
	• Building Floor Plans	Required	Provided	MR
20	Special Fire Protection Systems for Protection of special Risks, if any:	Required	CO ₂ 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.

In view of the 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/2010/2801 dated 27/09/2010, renewal under rule 35 of the Delhi Fire Service rules 2010 is recommended. Accordingly DFA is put up for signature please.

Signature of the Inspecting Officer

~~DO (South)~~

17/12/14


17/12/14

Name: (D.B.Mukherjee)
Designation:-Asst. Div. Officer(BCP)