

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

NO. F6/DFS/MS/2015 /w2 /1305

Dated: 21 / 07 /2015

FIRE SAFETY CERTIFICATE

Certified that the **Delhi Metro Rail Corporation Ltd** at **Badli Elevated Metro Station of Line 2 Ext., Delhi** comprised of **Ground + Concourse + Platform** owned / occupied by **Delhi Metro Rail Corporation Ltd** have complied with the fire prevention and fire safety requirement in accordance with Rule 33 of the Delhi Fire Service Rules, 2010 and verified by the officer concerned of fire service on **17/06/2015** in the presence of **Mr. Rajesh Petro (ASC)** and that the building / premises is fit for occupancy **Class 'D' Assembly Building less than 15 mtr** with effect from **21 / 07 /2015** for 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.

Following fire safety directives must be adhered to:-

- 1) All the fire safety arrangement provided their in shall be maintained in good working conditions at all time.
- 2) Loss of life or property due to non-functional fire safety measure shall be at the responsibility of the management.
- 3) The trained fire fighting staff should be available round the clock.
- 4) Any deviation, with regards to construction etc shall be verified b y the concerned building sanctioning agency.
- 5) The basement shall be used strictly as per the provision of building Bye-Laws.
- 6) This certificate cannot be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
- 7) The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director of Form 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, six months prior to its expiry".
- 8) The owner/occupier shall submit a declaration every year in form 'K' provided in the first schedule of Delhi Fire Service Rule 2010. This is available on **www.dfs.delhigovt.nic.in**

Issued on...21/07/15...at New Delhi by


(SANTOKH SINGH)
Chief Fire Officer
Ph: 011-23414250

Copy to:-

1. Sh. M. P Singh, AGM/E&M/RC-1, Metro Bhawan, Fire Brigade Lane,
Barakhamba Road, New Delhi-110001

INSPECTION REPORT

(Ground Level + Concourse Level + Platform Level)

1. Name & address of the building: Badli Elevated Metro Station of Line 2, Ext. (Phase III) Delhi
2. Type of Occupancy : **Assembly**
3. Type of Case : **New Case**
4. Details of previous NOC : **nil**
5. Fire Safety directives letter No : **F6/DFS/MS/BP/2013/259 Dated 30/08/2013**
6. Date of inspection : **17/6/15**
7. Name of the Inspecting Officers : **DCFO (WZ) & DO (NW)**
8. Name and designation of officers
from the building side : **Mr. Rajesh Petro (ASC)**
9. Year of Construction : **2013**
10. Applicant's letter No. : **DMRC/Elect/CGM/E/RC-1/DFS/CE-01/Lot-01/616 dated 20/05/2015**

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		10 mtr	P	M/R
• Gate width		5 m	P	M/R
• Width of internal road		--	--	--
2 Number, Width, Type & Arrangement of Exits				
a. Number of staircases		12	P	M/R
• Upper Floors		12	P	M/R
• Basements		--	--	--
b. Width of staircases		--	--	--
• Upper Floors	06 s/c Concourse to platform	2.05 mtr	P	M/R
	02 s/c concourse to ground	3.00 mtr	P	M/R
	04 exit s/c plate to com.	1.8 mtr	P	M/R
	02 escalators	--	--	--
• Basements		--	--	--
c. Protection of exits		--	--	--
• Fire check door		R	P	M/R
• Pressurization		--	--	--
e. No. of continuous staircases to terrace / platform		02	P	M/R
g. Width of Corridor		--	--	--
h. Door Size		--	--	--

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Badli Elevated Metro Station of Line 2, Ext. (Phase III) Delhi

3	Compartmentation.			
	<ul style="list-style-type: none"> • Fire check door 	Required	P	M/R
	<ul style="list-style-type: none"> • Sealing of electrical shafts 	Required	P	M/R
	<ul style="list-style-type: none"> • Fire Rating of shaft door 	Required	P	M/R
	<ul style="list-style-type: none"> • Water Curtain 	N.A	N.A	N.A
	<ul style="list-style-type: none"> • Fire Dampers 	N.A	N.A	N.A
4	Smoke Management System.	Natural Ventilation		
	<ul style="list-style-type: none"> • Basements 	30 a/c per hour	--	--
	<ul style="list-style-type: none"> • Upper floors 	12 a/c per hour	--	--
5	Fire Extinguishers			
	<ul style="list-style-type: none"> • Total numbers 	One at 300 m ²	Co2 & WCO2	M/R
	<ul style="list-style-type: none"> • Types 	ISI marked	P	M/R
	<ul style="list-style-type: none"> • IS marking 		yes	M/R
6	First-Aid Hose Reels.			
	<ul style="list-style-type: none"> • Total numbers on each floor 	06 on each platform 3/4 on concourse /	P	M/R
	<ul style="list-style-type: none"> • Length of hose reel hose 	Plate form 45 m	P	M/R
	<ul style="list-style-type: none"> • Nozzle diameter 	25 mm	P	M/R
7	Automatic fire detection and alarming system.			
	<ul style="list-style-type: none"> • Type of detectors 	Smoke	P	M/R
	<ul style="list-style-type: none"> • Location of Main Panel 	Required	P	M/R
	<ul style="list-style-type: none"> • Location of Repeater Panel 			
	<ul style="list-style-type: none"> • Alternate source of power 	Required	P	M/R
	<ul style="list-style-type: none"> • Hooters' Location 	Required	P	M/R
8	MOEFA	Required	P	M/R
9	Public Address System.	Required	P	M/R
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> • Basement 	N.A	N.A	N.A
	<ul style="list-style-type: none"> • Upper Floor 	Required	N.A	N.A
	<ul style="list-style-type: none"> • Sprinkler above false ceiling 	Required	N.A	N.A
11	Internal Hydrants			
	<ul style="list-style-type: none"> • Size of riser/down-comer 	150mm	P	M/R
	<ul style="list-style-type: none"> • Number of hydrants per floor 	Required	Same as col. No 6	M/R
	<ul style="list-style-type: none"> • Hose Box 	Required	Same as col. No 6	M/R

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Badli Elevated Metro Station of Line 2, Ext. (Phase III) Delhi

12	Yard Hydrants.			
	• Total number of hydrants	02	P	M/R
	• Hose Box	Required	P	M/R
13	Pumping Arrangements.			
	• Ground Level			
	➤ Discharge of main Pump	1800 LPM	P	M/R
	➤ Head of Main pump	70 Mtr	P	M/R
	➤ Number of main pumps	01	P	M/R
	➤ Jockey Pump out put	180 LPM	P	M/R
	➤ Jockey pump head	70 Mtr	P	M/R
	➤ Standby Pump out put	1800 LPM	P	M/R
	➤ Standby Pump Head	70 Mtr	P	M/R
	➤ Auto Starting/ Manual stopping	Required	P	M/R
	➤ Pump House Access	Required	P	M/R
	• Terrace level			
	➤ Discharge of pump	N/A	N/A	N/A
	➤ Head of the pump	--	--	--
	➤ Power Supply	--	--	--
	➤ Auto Starting of pump	--	--	--
14	Captive Water Storage for fire fighting.			
	• Underground tank capacity	50,000 ltr	P	M/R
	➤ Draw-off connection	Required	P	M/R
	➤ Fire service inlet	Required	P	M/R
	➤ Access to tank	Required	P	M/R
	• Overhead Tank capacity	10,000 ltr	P	M/R
15	Exit Signage.			
		Required	P	M/R
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	P	M/R
	• Fireman's Grounding Switch	Required	P	M/R
	• Lift Signage	Required	P	M/R
17	Standby power supply			
		Required	P	M/R

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Badli Elevated Metro Station of Line 2, Ext. (Phase III) Delhi

18	Refuge Area.			
	➤ Total Area	N/A	N/A	N/A
	➤ Location	N/A	N/A	N/A
19	Fire Control Room at concourse level			
	• Detector System Panel	Required	P	M/R
	• Flow Switch Panel	--	--	--
	• PA System Panel	Required	P	M/R
	• Batter backup	Required	P	M/R
	• Building Floor Plans	N/A	N/A	N/A
20	Special Fire Protection Systems for Protection of special Risks, if any:	—	—	—

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

Keeping in view the substantial compliance of the minimum standards on fire prevention and fire safety required under the rules it is recommended to grant Fire Safety Certificate under rule 35 of the Delhi Fire Service Rules 2010/ issue shortcomings as noted at serial numbers.....

Signature of the Inspecting Officer

Name

Designation

DJFD (W2)

Signature of the Inspecting Officer

Name

Designation

10/7/15 (W2)