

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

NO. F6/DFS/MS/2015 /W2/1576

Dated: 01 / 08 /2015

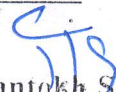
FIRE SAFETY CERTIFICATE

Certified that the Delhi Metro Rail Corporation Ltd at Badli Mor Elevated Metro Station of Line 2 Ext., Delhi excluding PD area I & II comprised of Ground Level + Concourse Level + Platform Level Phase - 3, PD area I & II 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 28/08/2015 in the presence of M.P Singh AGM/E&M/RC-1 & Mr. Ravi Ranjan Kumar PM -1C and that the building / premises is fit for occupancy Class 'D' Assembly Building with effect from 01 / 08 /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 there 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 by the concerned building sanctioning agency.
- 5) This certificate cannot be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
- 6) The means of escape shall always be kept unobstructed and readily available for free movement of occupants in case of an emergency.
- 7) The PD area I and PD area II shall not be used till clearance from fire safety point of view is received from Delhi Fire Service. The under construction staircase of 3 mtr wide shall be completed before the station is opened to the public.
- 8) 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".
- 9) 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 01/08/15 at New Delhi by


(Santokh Singh)
Chief Fire Officer
Delhi Fire Service

Tel . -011-23424250

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 Phase 3 without PD area

1. Name & address of the building: Badli Mor Elevated Metro Station, of Line 2, Ext. **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/2013/265 Dated 02/09/2013 & Letter No F6/DFS/MS/20015/229 dated 03/08/2015**
6. Date of inspection : **28/08/2015**
7. Name of the Inspecting Officers : **Vipin Kental Dy. CFO (WZ) & S S Tuli, DO (NW)**
8. Name and designation of officers from the building side : **M.P Singh AGM/E&M/ RC-1 & Sh. Ravi Ranjan Kumar PM-1C**
9. Year of Construction : **2013**
10. Applicant's letter No. : **DNRC/Elect/CGM/E/RC-1/DFS/CE-01/Lot-01/1124 dated 25/08/15**

	Minimum Standards on fire prevention and fire safety U/R 33	As per directive issued by DFS	Provided at site	Remarks MR/NMR
1	Access to building			
	• Road width	17.5 mtr	P ✓	M/R
	• Gate width	4.5 m	P ✓	M/R
	• Width of internal road	06 mtr	P ✓	M/R
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	07	07	M/R
	• Upper Floors <small>s/c ground to Concourse s/c concourse to Platform s/c Platform to terrace</small>	03 02	03 02	M/R M/R
	• Basements	02	02	M/R
		--	--	--
	b. Width of staircases			
	• Upper Floors <small>s/c ground to Concourse s/c concourse to platform s/c platform to terrace</small>	3.5 m x 2 & 2 m 1.85 m x 2 1.85 m x 2	3.5 m x 2 & 03m x 1 under construction ✓ 1.85 m x 2 1.85 m x 2 ✓	Affidavit enclosed for u/c s/c of 3 m M/R M/R
	• Basements			
	c. Protection of exits			
	• Fire check door	Required	P	M/R
	• Pressurization	--	--	--
	e. No. of continuous staircases to terrace	02	02 ✓	M/R
	g. Width of Corridor	--	--	--
	h. Door Size	--	--	--

3	Compartmentation.			
	<ul style="list-style-type: none"> • Fire check door 	Required	Provided wherever required	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 	28 No's	14 Co2 & 14 WCO2	M/R
	<ul style="list-style-type: none"> • Types 	ISI marked	CO2 & Wco2	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 	04 on platform 06 on concourse	P	M/R
	<ul style="list-style-type: none"> • Length of hose reel hose 	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/Heat	P	M/R
	<ul style="list-style-type: none"> • Location of Main Panel 	At concourse level	✓ 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 	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 	150mm	✓ P	M/R
	<ul style="list-style-type: none"> • Number of hydrants per floor 	06	P	M/R
	<ul style="list-style-type: none"> • Hose Box 	06	P	M/R
12	Yard Hydrants.			

	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	09 Required	P P	M/R M/R
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> Ground Level ➤ Discharge of main Pump ➤ Head of Main pump ➤ Number of main pumps ➤ Jockey Pump out put ➤ Jockey pump head ➤ Standby Pump out put ➤ Standby Pump Head ➤ Auto Starting/ Manual stopping ➤ Pump House Access Terrace level ➤ Discharge of pump ➤ Head of the pump ➤ Power Supply ➤ Auto Starting of pump 	 2 x 2850 LPM 80 Mtr 2 x 180 LPM 80 Mtr 2850 LPM 80 Mtr Required Required N/A -- -- --	 P P P P P P P P N/A -- -- --	 M/R M/R M/R M/R M/R M/R M/R M/R N/A -- -- --
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 	2,00,000 ltr Required Required Required ---	P P P P 15,000 ltr	M/R M/R M/R M/R ---
15	Exit Signage.	Required	P	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 	03 no's lift -- Required Required Required	02 con. to platform 01 ground to con. --- P P P	M/R --- M/R M/R M/R
17	Standby power supply	Required	300 KVA	M/R
18	Refuge Area.			
	➤ Total Area	N/A	N/A	N/A

N-8

	➤ Location	N/A	N/A	N/A
19	Fire Control Room			
	• Detector System Panel	Required	P	M/R
	• Flow Switch Panel	N/A	N/A	N/A
	• 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:	—	—	—

NOTE:

A [As regards the additional staircase of 02 meters recommended vide this office letter No F-6/DFS/MS/2015/229 dated 03/08/2015, a staircase having width of 03 meters is being constructed from concourse level starting from grid P towards ring road side by DMRC. A request letter in this regard vide letter NO DNRC/Elect/CGM/E/RC-1/DFS/CE-01/Lot-01/1124 dated 25/08/15 has been received ^{informing us} that the staircase will be constructed before CMRS inspection scheduled for 1st / 2nd week of September 2015.

2. The PD area is not fully constructed and ready for inspection. The inspection for the area not carried out as such.

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.

Signature of the Inspecting Officer

Name

Designation

keertat
CFo (W2)
CFo on leave

Signature of the Inspecting Officer

Name

Designation

[Signature]
28/8/15
DO (NW)

CFo/1970
31/8/15
1/9/15

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