

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

No. F6/DFS/MS) 2013/ 118

Dated: 25/03/13

FIRE SAFETY CERTIFICATE

Certified that the DMRC Staff Quarters Complex Building at Yamuna Depot, Delhi, comprised of ground plus seven upper floors, owned/occupied by Delhi Metro Rail Corporation Ltd., have complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service Rules, 2010 and verified by the officer concerned of Fire Service on 13.02.13 in the presence of Sh. Malay Saha (Dy.CEE/RSW) & Sh. Haque (Dy.CEC) of DMRC and that the building is fit for occupancy Group A-4 (Residential Apartment), with effect from 25/03/13 for a period of three years in accordance with the 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 overleaf.

Issued on 25/03/13 at New Delhi by



Chief Fire Officer
Delhi Fire Service

of
22.3.13

To,
Sh. Malay Saha (Dy. CEE/RSW)
Delhi Metro Rail Corporation Ltd.
Metro Bhawan, Fire Brigade Lane, Barakhamba Road,
New Delhi - 110001

CONDITIONS:

1. All the means of escape shall be kept free of all type of obstruction all the time.
2. All the employees shall be acquainted with the use and maintenance of all fire equipments and method of smooth and speedy safe evacuation of occupants in case of emergency.
3. All the fire fighting equipments shall be maintained in perfect working condition all the time and any lapse rendering non-functional of fire safety measures, management shall be responsible.
4. Any deviation, with regards to construction, ventilation, occupancy, electric installation etc. may be got verified from the concerned authorities.
5. Internal access road of 6 mtrs wide all around building blocks must be kept clear all the time for free movement of fire engines in case of fire.
6. The owner / occupier shall submit a declaration every year in form 'K' provided in the first schedule of Delhi Fire Service Rule 2010. The form is available on www.dfs.delhigovt.nic.in.
7. This Fire Safety Certificate may not be treated in any case for regularizations of unauthorized construction if any.

INSPECTION REPORT

1. Name & address of the building : DMRC Staff Quarters at Yamuna Bank, Delhi
2. Type of Occupancy : Residential
3. Type of Case : New Case
4. Details of Previous NOC : N.A.
5. Fire Safety directives No : F6/DFS/MS/BP/2011/920 Dated 16.05.11
6. Date of Inspection : 13.02.13
7. Name of the Inspecting Officer : DO Virendra Singh and ADO Suresh singh
8. Name of the designation of Officer from the building side : Sh. Malay Saha (Dy.CEE/RSW) & Sh. Haque (Dy.CEC)
9. Year of Construction : 2011
10. Applicant's letter No : 18.01.2013

C	Minimum Standards on fire prevention and fire safety U/R33	NBC Requirement	Provided at Site	Remarks MR/NMR
1	Access to building			
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	10.5 Mtrs.	8.5 Mtrs.	Acceptable
		6 Mtrs.	6 Mtrs.	MR
		6 Mtrs.	6 Mtrs.	MR
2	Number, Width, Type and Arrangement of Exits			
	a. Number of Staircases	Two	Two	MR
	<ul style="list-style-type: none"> • Upper Floor • Basement 	2 no.	2 no.	MR
	b. Width of Staircases			----
	<ul style="list-style-type: none"> • Upper Floor • Basement 	1.5 Mtrs.	1.5 Mtrs.	MR
	c. Protection of exits	1.5 Mtrs.	1.5 Mtrs.	MR
	<ul style="list-style-type: none"> • Fire check door • Pressurization 	-----	-----	-----
	e. No. of continuous staircases to terrace	-----	-----	-----
	g. Width of Corridor	1.5 Mtrs.	1.5 Mtrs.	MR
	h. Door Size	1.0 Mtr.	1 Mtr.	MR
3	Compartmentation.		Provided	
	<ul style="list-style-type: none"> • Fire check door • Sealing of electrical shafts • Fire rating of shaft door • Water curtain • Fire Dampers 	-----	-----	-----
		Required	Sealed	MR
		-----	-----	-----
		-----	-----	-----
		-----	-----	-----
4	Smoke Management System.			
	<ul style="list-style-type: none"> • Basement • Upper floor 	30a/c per hour	-----	-----
		12 a/c per hour	-----	-----
5.	Fire Extinguisher			
	<ul style="list-style-type: none"> • Total numbers • types • IS marking 	48 nos.	48 Nos.	MR
		ABC & Co2	ABC & Co2	MR
		ISI marked	ISI marked	MR

DMRC Staff Quarters at Yamuna Bank, Delhi

6	First-aid-Hose Reels.			
	<ul style="list-style-type: none"> Total numbers of each floor 	2 nos.	2 nos.	MR
	<ul style="list-style-type: none"> Length of hose reel hose 	30 m	Provided	MR
	<ul style="list-style-type: none"> Nozzle diameter 	5 mm	Provided	MR
7	Automatic fire detection and alarming system.			
	<ul style="list-style-type: none"> Type of detectors 	-----	-----	-----
	<ul style="list-style-type: none"> Location of main panel 	-----	-----	-----
	<ul style="list-style-type: none"> Location of repeater panel 	-----	-----	-----
	<ul style="list-style-type: none"> Alternate source of power 	-----	-----	-----
	<ul style="list-style-type: none"> Hooters's location 	-----	-----	-----
8	MOEFA	Required	Provided	MR
9	Public address System.	-----	-----	-----
10	Automatic Sprinkler System.	-----	-----	-----
	<ul style="list-style-type: none"> basement 	-----	-----	-----
	<ul style="list-style-type: none"> upper floor 	-----	-----	-----
	<ul style="list-style-type: none"> sprinkler above false ceiling 	-----	-----	-----
11	Internal Hydrants			
	<ul style="list-style-type: none"> size of riser/down-comer 	100 mm	100 mm	MR
	<ul style="list-style-type: none"> Number of hydrants per floor 	2 D4 1 D2	Provided Provided	MR MR
	<ul style="list-style-type: none"> Hose Box 	Required	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants 	-----	-----	-----
	<ul style="list-style-type: none"> Hose Box 	-----	-----	-----
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> Ground Level 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Discharge of main Pump 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Head of Main Pump 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Number of main pumps 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Jockey pump out put 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Jockey pump head 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Standby pump out put 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Standby pump Head 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Auto Starting /Manual stopping 	-----	-----	-----
	<ul style="list-style-type: none"> ➤ Pump House Access 	-----	-----	-----
	<ul style="list-style-type: none"> Terrace Level 			
	<ul style="list-style-type: none"> ➤ Discharge of pump 	900 LPM	900 LPM	MR
	<ul style="list-style-type: none"> ➤ Head of the Pump 	60 M	60 M	MR
	<ul style="list-style-type: none"> ➤ Power supply 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Auto Starting of pump 	Required	Provided	MR
14	Captive Water Storage for Fire Fighting.			

	• Underground tank capacity	-----	-----	-----
	➤ Draw-off connection	-----	-----	---
	➤ Fire service inlet	-----	-----	-----
	➤ Access to tank	-----	-----	-----
	• Overhead Tank capacity	25,000 Ltrs.	25,000 Ltrs.	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	• Pressurization of Lift Shaft	-----	-----	-----
	• Pressurization of Lift lobby	-----	-----	-----
	• Communication in lift car	Required	Provided	MR
	• Firemen's grounding switch	Required	Provided	MR
	• Lift Signage	Required	Provided	MR
17	Standby power supply	Required	Provided	MR
18	Refuge Area.	Not Required	Not Provided	MR
	• Total area	-----	-----	-----
	• Location	-----	-----	-----
19	Fire Control Room			
	• Detector system panel	-----	-----	-----
	• Flow switch panel	-----	-----	-----
	• PA system panel	-----	-----	-----
	• Batter backup	-----	-----	-----
	• Building Floor Plans	-----	-----	-----
20	Special Fire Protection systems for protection of special Risks, if any:	-----	-----	-----

The fire protection systems provided in the building were tested 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 Rule 2010.

Signature of the Inspecting Officer

Name *Suresh Singh*

Designation *ADO*

Signature of the Inspecting Officer

Name *VIRENDRA SINGH*

Designation *DO*