

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

No F 6 / DFS / MS / 2016 / 1325

Dated 30 / 08 / 2016

FIRE SAFETY CERTIFICATE

Certified that **DMRC Staff Quarters Complex at Mukundpur, Delhi**, comprised of **04 Blocks -F, G, H & J (Stilt + 08 floor) and Community Center(Ground & First 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 **08.08.2016** in the presence of **Mr. N K Sood/AM (Civil), Sh. Ramji-JE(Civil) & Sh. Satinder JE (Elct.)** and that the building/ premises is fit for occupancy "**Residential A-4**" with effect from - **30 / 08 / 2016** for a period of **Five 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.

Conditions for the validity of Fire Safety Certificate:

- 1 All the fire safety arrangement provided there-in shall be maintained in good working conditions at all times.
- 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 regard to the 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.
- 6 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".
- 7 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 **WWW.dfs.Delhigovt.nic.in**
- 8 All the means of escape shall be kept free of any obstruction all the time to evacuate the occupant, in a safe manner, in the event of emergency.

Issued on **30/08/16** at New Delhi by

(Atul Garg)

Chief Fire Officer
Ph: 011-23414250

Copy to:-

2. Sh. S K Rajoria, DGM/Electrical, DMRC Ltd, Opp. Frank Anthony Public School, Lala Lajpat Rai Marg, Lajpat Nagar-IV, New Delhi-110024.

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INSPECTION REPORT

1. Name & address of the building : DMRC Staff Quarters Complex at Mukundpur, Delhi.
2. Type of Occupancy : Residential
3. Type of Case : New Case (**04 Blocks (F,G,H & J)-stilt+08 floor and Community Center –Ground and first floor**
4. Details of previous NOC : Nil
5. Fire Safety directives letter No : F6/DFS/MS/BP/2014/88 dated 31.03.2014.
6. Date of inspection : 08.08.2016
7. Name of the Inspecting Officers : Suresh Singh/ DO (NWD) & Rajesh Kumar /ADO (RN)
8. Name and designation of officers from the building side : Mr. N K Sood/AM (Civil), Sh Ramji-JE(Civil) & Satinder JE (Elct.)
9. Year of Construction : 2015-16
10. Applicant's letter No. : DMRC/MUKUNDPUR/DFS/2016 dated 15.07.2016

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	12m	12m	MR
	• Gate width	4.5m	6m	MR
	• Width of internal road	6m	6 m	MR
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	• Upper Floors	02 in each block	02 in each block	MR
	• Basements	NA	NA	NA
	b. Width of staircases			
	• Upper Floors	1.50m	2 x 1.50m in each block	MR
	• Basements	NA	NA	NA
	c. Protection of exits			
	• Fire check door	Required	Provided	MR
	• Pressurization	NA	NA	NA
	d. No. of continuous staircases to terrace	01	01	MR
	e. Width of Corridor	NA	NA	NA

	f. Door Size	1.0m-Resi Community Center door-2m & 1.5m	1.0m 02m & 1.5m	MR
3	Compartmentation.			
	• Fire check door	Required	Provided	MR
	• Sealing of electrical shafts	Required	Provided	MR
	• Fire Rating of shaft door	Required	Provided	MR
	• Water Curtain	NA	NA	NA
	• Fire Dampers	NA	NA	NA
4	Smoke Management System.			
	• Basements	30ACPH	NA	NA
	• Upper floors	12ACPH	Natural	MR
5	Fire Extinguishers			
	• Total numbers	16nos in each block	Provided & Functional	MR
	• Types	ISI marked	yes	MR
	• IS marking	Required	Provided	MR
6	First-Aid Hose Reels.			
	• Total numbers on each floor	01 at each floor	Provided & Functional	MR
	• Length of hose reel hose	30m	Provided	MR
	• Nozzle diameter	5mm	Provided	MR
7	Automatic fire detection and alarming system.			
	• Type of detectors	NA	NA	NA
	• Location of Main Panel	NA	NA	NA
	• Location of Repeater Panel	NA	NA	NA
	• Alternate source of power	NA	NA	NA
	• Hooters' Location	NA	NA	NA
8	MOEFA	Required	Provided & Functional	MR
9	Public Address System.	NA	NA	NA
10	Automatic Sprinkler System.			
	• Basement	NA	NA	NA
		NA	NA	NA

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	<ul style="list-style-type: none"> • Upper Floor • Sprinkler above false ceiling 	NA	NA	NA
11	Internal Hydrants			
	<ul style="list-style-type: none"> • Size of riser/down-comer 	100mm	Provided	MR
	<ul style="list-style-type: none"> • Number of hydrants per floor 	01 at each Floor	Provided	MR
	<ul style="list-style-type: none"> • Hose Box 	01 at each Floor	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> • Total number of hydrants 	NA	NA	NA
	<ul style="list-style-type: none"> • Hose Box 	NA	NA	NA
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 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Discharge of main Pump 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Head of Main pump 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Number of main pumps 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Jockey Pump out put 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Jockey pump head 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Standby Pump out put 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Standby Pump Head 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Auto Starting/ Manual stopping 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Pump House Access 	NA	NA	NA
	<ul style="list-style-type: none"> • Terrace level 			
	<ul style="list-style-type: none"> ➤ Discharge of pump 	900 lpm at each Block Terrace	900 Lpm	MR
	<ul style="list-style-type: none"> ➤ Head of the pump 	40m	40m	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.			
	<ul style="list-style-type: none"> • Underground tank capacity 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Draw-off connection 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Fire service inlet 	NA	NA	NA
	<ul style="list-style-type: none"> ➤ Access to tank 	NA	NA	NA

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	<ul style="list-style-type: none"> Overhead Tank capacity 	25,000 ltrs-Residence block 15000 ltrs-Community Center	25000 ltrs & 15000 ltrs	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	<ul style="list-style-type: none"> Pressurization of Lift Shaft 	NA	NA	NA
	<ul style="list-style-type: none"> Pressurization of Lift lobby 	NA	NA	NA
	<ul style="list-style-type: none"> Communication In lift Car 	Required	Provided	MR
	<ul style="list-style-type: none"> Fireman's Grounding Switch 	Required	Provided	MR
	<ul style="list-style-type: none"> Lift Signage 	NA	NA	NA
17	Standby power supply	Required	Provided	MR
18	Refuge Area.			
	➤ Total Area	NA	NA	NA
	➤ Location	NA	NA	NA
19	Fire Control Room			
	<ul style="list-style-type: none"> Detector System Panel 	NA	NA	NA
	<ul style="list-style-type: none"> Flow Switch Panel 	NA	NA	NA
	<ul style="list-style-type: none"> PA System Panel 	NA	NA	NA
	<ul style="list-style-type: none"> Batter backup 	NA	NA	NA
	<ul style="list-style-type: none"> Building Floor Plans 	NA	NA	NA
20	Special Fire Protection Systems for Protection of special Risks, if any:	NA	NA	NA

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

Keeping in view of satisfactory compliance of the minimum standards on fire prevention and fire safety required under the rules and fire safety guidelines issued vide letter of even no. 88 dated 31.03.2014, it is recommended to issue Fire Safety Certificate.

Signature of the Inspecting Officer

Name Suresh Singh

Designation DO/NWD

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16.8.16

Dy CPO (NWS)
Chd weds

Signature of the Inspecting Officer

Name Rajesh Kumar

Designation ASSTANT

[Signature]
16/8/16