

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

No.F6/DFS/MS/BUSINESS/SZ/2017/ 1781

Dated:- 11/12/17

FIRE SAFETY CERTIFICATE

Certified that the **Integrated Office Complex for ISRO, Government of India** located at **Sadiq Nagar, New Delhi**. comprised of Three Tier Basement, Ground & 05 Upper Floors was inspected by the officer concerned of this department on **27/11/17** in the presence of **Sh. Deepak Choudhary (S.E.)** and found that the said premises 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 premises fit for occupancy class **Business Building** with effect from ~~11/12/17~~ 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 subject to conditions printed below.

Issued ~~11/12/17~~ at New Delhi by.

Yours Faithfully,



(Vipin Kental)
Chief Fire Officer
Delhi Fire Service
Ph-011-23412225

Copy to:- (1) Imtiaz Ali, Officer on special duty,
Department of Space Govt. of India,
3rd floor, Loknayak Bhawan, New Delhi-110003.

Conditions for the validity of Fire Safety Certificate:

1. All the means of escape/entry/exit shall be kept free from any obstruction.
2. All the fire safety arrangement provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life property due to non-functional fire safety measures shall be at the responsibility of the management.
3. All the staff members must know the correct method of operation of fire fighting system.
4. 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
5. This fire safety certificate may not be treated as regularization (Clause 2.8 of UBBL-2016) of unauthorized construction or Alteration (Clause 1.4.3 of UBBL-2016), if any.
6. "The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in form 'J' [sub rule (I) of rule 37] along with a copy of this Certificate, six month prior to its expiry."
7. This FSC become null & void, if the FSC of main occupancy is not renewed under Rule 37 of DFS Rule-2010.

INSPECTION REPORT

1. Name & address of the building:- Office Complex ISRO Building, Sadiq Nagar, New Delhi.
2. Type of occupancy:- Business Building
(3 Tier Basement, Ground+ 05 Upper Floors)
3. Type of case:- New
4. Details of previous FSC:- Nil
5. Fire safety directives No.- F6/DFS/MS/BP/2012/1104, dt-27/03/2012
6. Date of inspection:- 27/11/17
7. Name of the inspecting officer:- D.O. A.K. Malik & A.D.O. Mehmood
8. Name & designation of officer
From the building side:- Mr. Deepak Choudhary.(SE)
9. Year of construction:- 2017
10. Applicant's letter No:- DOS/BS/SN/DFS/2017/03, dated- 15/11/17
Outdoor diary no. 15082, dated- 16/11/17

S.No.	Minimum Standards on fire Prevention and fire safety U/R 33	NBC/BBL Requirement	Provided at site	Remarks MR/NMR
1.	Access to Building			
	1) Road width	12 mtr.	45 mtr.	MR
	2) Gate width	4.5 mtr.	6 mtr.	MR
	3) Width of internal road	6 mtr.	6 mtr.	MR
2.	Number, Width Type & Arrangement of Exits			
	A. Number of staircases			
	1. Upper floors	02 Nos.	02 Nos.	MR
	2. Basements	02 Nos.	02 Nos.	MR
	B. Width of staircase			
	1. Upper floors	1.50 mtr.	2 mtr.	MR
	2. Basements	1.50 mtr.	2 mtr.	MR
	C. Protection of exits			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided	MR
	D. No. of continuous staircase to terrace	02 No.	02 No.	MR
	E. Width of corridor	1.50 mtr.	1.80 mtr.	MR
	F. Door size	1.00 mtr.	2 mtr.(final exit)	MR
3.	Compartmentation			
	1) Fire check door	Required	Provided	MR
	2) Sealing of electrical shafts	Required	Provided	MR
	3) Fire rating of shaft door	2 & 1 Hrs.	2 & 1 Hrs.	MR
	4) Water curtain	Required	Provided in Basement	MR
4.	Smoke Management System			
	1) Basements	12 ACPH	30 ACPH	MR
	2) Upper floors	12 ACPH	Provided	MR
5.	Fire Extinguishers			
	1) Total numbers	65 Nos.	80 Nos.	MR
	2) Types	ABC/CO2/W.CO2	30/30/20	MR
	3) ISI marking	Required	Provided	MR
6.	First-Aid Hose Reel			
	1) Total number at each floor	02 Nos.	02 Nos.	MR
	2) Length of hose reel hose	30 m	30 mm.	MR

	3) Nozzle diameter	5 mm	5 mm.	MR
7.	Automatic Fire Detection & Alarming System			
	1) Type of detectors	Heat & smoke	Heat & smoke	MR
	2) Location of main panel	Ground floor	Ground floor	MR
	3) Location of repeater panel	N/A	Security room	N/A
	4) Alternate source of power	Required	Provided	MR
	5) Hooter's Location	All area	Provided	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	1) Basement	Required	Provided	MR
	2) Upper floors	Required	Provided	MR
	3) Sprinkler above false ceiling	Required	Provided	MR
11.	Internal Hydrants			
	1) Size of riser/down-comer	100 mm.	150 mm.	MR
	2) Number of hydrants per floor	02 Nos.	02 Nos.	MR
	3) Hose box	02 Nos.	02 Nos.	MR
12.	Yard Hydrants			
	1) Total number of hydrants	05 Nos.	05 Nos.	MR
	2) Hose box	05 Nos.	05 Nos.	MR
13.	Pumping Arrangement			
	1) Ground level			
	a) Discharge of main pump	2850 LPM	2850 LPM	MR
	b) Head of main pump	70 m.	75 m.	MR
	c) Number of main pump	2 Nos.	2 Nos.	MR
	d) Jockey pump out put	180 LPM	180 LPM	MR
	e) Jockey pump head	70 mtr.	75 mtr.	MR
	f) Stand by pump output	2850 LPM	2850 LPM	MR
	g) Stand by pump head	70 mm.	75 mm.	MR
	h) Auto starting/Manual stopping	Required	Provided	MR
	2) Terrace level			
	a) Discharge of pump	N/A	---	N/A
	b) Head of pump	N/A	---	N/A
	c) Power supply	N/A	---	N/A
	d) Auto starting of pump	N/A	---	N/A
14.	Captive Water Storage for Fire Fighting			
	1) Under ground tank capacity	100,000 ltrs.	150,000 ltrs.	MR
	a) Draw-off connection	Required	Provided	MR
	b) Fire service inlet	Required	Provided	MR
	c) Access to tank	Required	Provided	MR
	d) Over head tank capacity	20,000 ltrs.	20,000 ltrs.	MR
15.	Exit Signage.	Required	Provided	MR
16.	Provision of Lifts.			

	a) Pressurization of lift shaft	Required	Provided	MR
	b) Pressurization of lift lobby	Required	Provided in Basement	MR
	c) Communication in lift car	Required	Provided	MR
	d) Fireman's switch	Required	Provided	MR
	e) Lift signage	Required	Provided	MR
17.	Stand by Power Supply	Required	Provided	MR
18.	Refuge Area	Required	Provided at 4 th floor	MR
	Total area location	150.7 sqm	Provided	MR
19.	Fire Control Room			
	a) Detector system panel	Required	Provided at ground floor	MR
	b) Flow switch panel	Required	Provided	MR
	c) PA system panel	Required	Provided	MR
	d) Battery backup	Required	Provided	MR
	e) Building floor plan	Required	Provided	MR
20.	Special Fire Protection System for Protection of special Risk, if any:	Manual CO ₂ flooding fire protection system for HT/LT Panel	Provided	MR

The shortcomings issued vide letter No.F6/DFS/MS/BUSINESS/2017/2815,dt-31/10/2017 found complied during the inspection.

The fire protection systems provided in the building were randomly tested/checked and found functional at the time of inspection. Further in new of representation of applicant at point no. 2 of C-59,since lift is running atrium the requirement of pressurization/lift lobby is not emphasized. Accordingly the lift lobby/pressurization in Basement is provided and marked as MR in point 16 of the inspection note. The competent authority may approve the same.

Keeping in view of the above compliance of the minimum standards on fire prevention and fire safety measures as required under the rule 35 of the Delhi Fire Service Rules 2010 Fire Safety Certificate is recommended

Accordingly DFA is put up for approval and signature

A.K. Malik
29/11/17

A.K. Malik
Divisional Officer

Mehmood
28/11/17

Mehmood
Assistant Divisional Officer



dy. CP/CS2

Handwritten signature
29/11/17

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