

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

Email – gargatul@hotmail.com

(Ph. 26189168),

No. *F6/DFS/MS/Hospital/2016/52/602*

Dated: *19/04/16*

FIRE SAFETY CERTIFICATE

Certified that the Vivarium Block, Patient Area, Lower & Upper basement, (Part of phase-II) Institute of Liver & Biliary Sciences, Plot No. D-1, Vasant Kunj, New Delhi – 110070 comprised of 2 tier basement, ground plus five upper floors owned/occupied by institute of Liver & Biliary Sciences 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 officers concerned of Fire Service on 11.04.2016 in the presence of Sh. Amit Gautam & official of DMRC of the hospital and that the building is fit for occupancy class “Institutional (Hospital Building)” with effect from *19/04/2016* for a 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 Delhi Fire Service Rules, 2010. Subject to condition as mentioned below.

Issued on *19/04/2016* at New Delhi by

(Atul Garg)

Dy. Chief Fire Officer
Delhi Fire Service

Copy to:- 1. Dr. Anil Agarwal, Dy. Head (Admin), Institute of Liver & Biliary Sciences, Plot No. D-1, Vasant Kunj, New Delhi – 110070.

Conditions for the validity of fire safety certificate:-

- All the fire safety and means of escape facilities shall be maintained in good working conditions at all time. Any lapse rendering fire safety or means of evacuation facilities rendering non-functional shall be the responsibility of the management.
- Building Sanctioning authority may verify any deviation with regard to the construction/occupancy in the building. In case of any deviation, the fire safety certificate stands null and void.
- The staffs shall be trained for operating fire fighting system and mock evacuation drills be conducted at regular intervals and record be maintained.
- The basement shall be used strictly as per the provisions of Building Bye Laws.
- 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.
- The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in Form “J” (Sub rule (1) of rule 37) along with a copy of this certificate, six months prior to its expiry. The form is available on www.dfs.delhigovt.nic.in.

INSPECTION REPORTS

1	Name & address of the building	Vivarium Block, Patient Area , Lower & Upper basement, (Part of phase-II) Institute of Liver & Biliary Sciences, Plot No. D-1, Vasant Kunj, New Delhi-		
2	Building Comprised of	B+G+5 upper floor		
3	Type of Occupancy	Institutional		
4	Type of case	New		
5	Details of previous NOC	No		
6	Fire safety directives letter No	F6/DFS/MS/BP/Hospital/2011/723 dated 21.04.2015		
7	Date of inspection	11.4.16		
8	Name of the inspecting Officers	DY.CFO Atul Garg, DO Dharampal Bhardwaj & ADO DB Mukherjee		
9	Name and designation of officers from the building side	Sh. Amit Gautam & official of DMRC		
10	Year of construction	2015		
11	Applicant's letter No.	F.2.48/ONM/ILBS/2013/F&S/6933/1166-78 Dated 30.03.2016		

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			
	1) Road width	9 Mtr	Provided	MR
	2) Gate width	6 Mtr	Provided	MR
	3) Width of internal road	6 Mtr	Provided	MR
2	Number, width Type & arrangement of exits			
	a. Number of staircases			
	1. Upper floors	8 Nos.	Provided	MR
	2. basements	13 Nos+ 2 Ramps	Provided	MR
	b. Width of staircase			
	1. Upper floors	2 Mtr & 1.5 Mtr	2 m - 6 nos. each & 1.5m- 2 no. Provided	MR
	2. basements	2 Mtr & 1.5 Mtr	2 m- 6 nos. each & 1.59- 4 nos each . 1.5-1no, 1.42- 1 no, 1.18-1 no. mtrs+ 2 nos. Ramps Provided	MR
	c. Protection of exits			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided	MR
	d. No. of continuous staircase to terrace	1	2 Nos.Provided	MR
	e. Width of corridor			
		1.5 m	Provided	MR
		1200±50 for pateint room & 1 mtr rest of the building	Provided	MR
	f. Door size			
3	Compartmentation.			
	1. Fire check door	Required	Provided	MR
	2. Sealing of electrical shafts	Required	Provided	MR
	3. Fire Rating of shaft door	Required	Provided	MR
	4. water curtain	N/A	N/A	N/A
	5. Fire dampers	Required	Provided	MR
4	Smoke Management system.			
	basement	30 a/c per hour 12 a/c per hour	Provided	MR
	upper floors		Provided	MR
5	Fire Extinguishers			
	total numbers		280 Nos. Provided	MR
	Types	ISI	ABC, CO2 , Water Co2	MR
	ISI marking		Provided	MR

INSPECTION REPORTS

6	First-Aid Hose Reels.			
	total numbers on each floor	2 Nos	Provided	MR
	Length of Hose reel hose	30 Mtr	Provided	MR
	Nozzle Diameter	5mm	Provided	MR
7	Automatic fire detection and alarming system			
	Type of detectors	Required	Provided	MR
	location of Main Panel	Upper basement	Provided	MR
	location of Repeater panel	Ground floor	Provided	MR
	Alternate source of power	Required	Battery Backup Provided	MR
	hooter's location	Required	Staircase Provided	MR
8	MOEFA	Required	Provided	MR
9	Public Address System.	Required	Provided	MR
10	Automatic Sprinkler System.			
	basement	Required	Provided	MR
	upper floors	Required	Provided	MR
	sprinkler above false ceiling	Required	Provided	MR
11	Internal Hydrants			
	Size of riser/down-corner	150 MM	Provided	MR
	Number of Hydrants per floor	2 nos- Vivarium block & Basements- 18 Nos.	Provided	MR
	hose Box	2 nos- Vivarium block & Basements- 18 Nos.	Provided	MR
12	Yard Hydrants.			
	total number of hydrants	27 Nos	Provided	MR
	house box	27 Nos.	Provided	MR
13	Pumping arrangements	Common Pump House with old block		
	1. Ground level			
	a. Discharge of main Pump	2850 LPM	Provided	MR
	b. Head of main pump	95 Mtr	Provided	MR
	c. Number of main pumps	Two	Provided	MR
	d. jockey pump out put	180 LPM (2 Nos.)	Provided	MR
	e. jockey pump head	95 Mtr	Provided	MR
	f. Standby Pump output	2850 LPM	Provided	MR
	g. Stanby Pump head	95 Mtr	Provided	MR
	h. Auto Starting/Manual stopping	Required	Provided	MR
	pump house access	Provided	Provided	MR
	2. Terrace level			
	a. Discharge of pump	900 LPM	Provided	MR
	b. head of the pump	40 Mtr	Provided	MR
	c. Power supply	Provided	Provided	MR
	d. Auto starting of pump	Provided	Provided	MR
14	Captive water storage for fire fighting	Common tank with old block		
	1. Underground tank capacity	2.50,000 Ltr	Provided	MR
	a. Draw-off connection	Required	Provided	MR
	b. fire service inlet	Required	Provided	MR
	c. Access to tank	Required	Provided	MR
	Over head tank Capacity	25,000 Ltrs	Provided	MR

INSPECTION REPORTS

	Exit Signage.	Required	Provided	MR
15				
16	Provision of lifts.			
	a. Pressurization of lift shaft	Required	Provided	MR
	b. pressurization of lift lobby	Required	Provided	MR
	c. communication in lift car	Required	Provided	MR
	d. Fireman's grounding switch	Required	Provided	MR
	e. Lift signage	Required	Provided	MR
17	Standby power supply	Required	Provided	MR
18	Refuge Area.			
	total area	N/A	N/A	N/A
	location	N/A	N/A	N/A
19	Fire control room			
	a. Detector system Panel	Required	Provided	MR
	b. Flow switch Panel	Required	Provided	MR
	c. PA system Panel	Required	Provided	MR
	d. Batter backup	Required	Provided	MR
	e. Building floor plans	Required	Provided	MR
20	Special Fire Protection systems for protection of special risks, if any:	Automatic suppression system	Provided	MR


The fire protection systems provided in the building were 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 rule it is recommended to grant of Fire Safety Certificate under rules 35 of the Delhi Fire Service Rules 2010

Accordingly DFA is put up for your approval and signature please.



Signature of the inspecting officer
Name Atul Garg
Designation : DCFO (SZ)



Signature of the inspecting officer
Name Dharampal Bhardwaj
Designation : Divisional Officer



Signature of the Inspecting Officer
Name D.B. Mukherjee
Designation ADO (BCP)