

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


No. F6/DFS/MS/Hospital/2012/ 2454

Dated 10/07/12

FIRE SAFETY CERTIFICATE

Certified that **Indraprastha Apollo Hospitals, Sarita Vihar, New Delhi**, applied for NOC for Service floor, third and fourth floor for OPD Block **Owned/Occupied** by Indraprastha Apollo Hospitals. The hospital has already been granted NOC for Basement, Ground plus two upper floors for the same premises by this department vide letter No. F6/DFS/MS//95/Hospital/1831 dated 08.12.1995. The premises was re-inspected by the officers concerned of Delhi Fire Service on 04.05.2012 in the presence of Mr. Atul Viz and Ganesh Khatri and observed that fire safety norms as required under Rule 33 of Delhi Fire Service Rules, 2010 are deemed complied and that the building/premises is fit for occupancy class "**Institutional building**" (NOC granted for Service floor, third and fourth floor for OPD Block) with effect from10/07/12.....for a period of Three years, subject to conditions as mentioned below.

Issued on10/07/12..... at New Delhi by


Chief Fire Officer
Delhi Fire Service
g/n

Copy to:

1. The Chief Engineer, Indraprastha Apollo Hospitals, Sarita Vihar, New Delhi.
2. The Executive Engineer (Bldg), Building Department (HQ), MCD, Town Hall, Delhi

Conditions for the validity of Fire Safety Certificate

- a) 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 non-functional shall be the responsibility of the management.
- b) 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.
- c) The staff shall be trained for operating fire fighting system and mock evacuation drills be conducted at regular intervals and record be maintained.
- d) The Basement shall be used strictly as per the provisions of Building Bye Laws.
- e) 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

INSPECTION REPORT

1. Name and address of the building : INDRAPRASTHA APOLLO HOSPITAL
 : SARITA VIHAR, NEW DELHI
 :
2. Type of Occupancy : INSTITUTIONAL
3. Type of Case : OLD - ADDITIONAL ALTERATION
4. Details of previous NOC : R6/DFS/MS/BP/HOSP./1831 Dt. 08/12/95
5. Fire Safety Directives letter No : R6/DFS/MS/BP/HOSP./10/3455 dated 31/12/10
6. Date of Inspection : 4/5/2012
7. Name of the Inspecting Officer : Sh. Dharampal, DO(S), & Sh. Rajan Wadhwa
ADO (M&S)
8. Name and designation of the Officers from the building side : Mr Atul Vaj. & Mr Ganesh Khatri
9. Year of Construction : 93-94
10. Applicant's letter No. : Nil dated 26/4/2012

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	30 Mts	30 Mts ✓	M/R
	• Gate width	6 Mts	6 Mts ✓	M/R
	• Width of internal road	4.5 Mts	4.5 Mts ✓	M/R
2	Number, Width, Type & Arrangement of Exits			
	• Number of Staircase			
	➤ Upper floors	2+3 Nos=5	2+3 Nos=5	M/R
	➤ Basement	NA	NA	NA
	• Width of Staircase			
	➤ Upper floors	Mentioned on the noting side		
	➤ Basement	3 Nos	3 Nos ✓	M/R
	• Protection of Exits			
	➤ Upper floors	Required	Provided	M/R
	➤ Basement	NA	NA	NA
	• No of Continuous Staircases to terrace	3	3 ✓	M/R
	• Width of Corridor	2.4 Mts	2.4 Mts	M/R
	• Door Size	NA	NA	NA

3	Compartmentation			
	• Fire check door	Required	Provided	M/R
	• Sealing of electrical shafts	Required	Provided	M/R
	• Fire rating of shaft door	2 Hr	2 Hr	M/R
	• Water curtain	NA	NA	NA
	• Fire Dampers	Required	Provided	M/R
4	Smoke Management System			
	• Basements	30 a/c Per hour	30 a/c Per hr	M/R
	• Upper Floors	12 a/c Per hour	12 a/c Per hr	M/R
5	Fire Extinguishers			
	• Total Number	One/300 m ²	48 Nos	M/R
	• Types		CO ₂ , ABC	M/R
	• ISI marking	ISI mark	Yes	M/R
6	First-Aid Hose Reels			
	• Total Number on each floor	<u>5</u> /Per Floor	Provided	M/R
	• Length of hose reel hose	30 m	Provided	M/R
	• Nozzle diameter	5mm	Provided	M/R
7	Automatic Fire Detection and Alarming System			
	• Type of detectors	Smoke	Smoke	M/R
	• Location of Main Panel	Control Room	Control Room	M/R
	• Location of Repeater Panel	Control Room	Control Room	M/R
	• Alternate source of power	750 kVA x 4	750 kVA x 4	M/R
	• Hooter's Location	Control Room	Control Room	M/R
8	MOEFA	Required	Provided	M/R
9	Public Address System	Required	Provided	M/R
10	Automatic Sprinkler System			
	• Basement	NA	NA	NA
	• Upper Floor	Required	Provided	M/R
	• Sprinkler above false ceiling	Required	Provided	M/R
11	Internal Hydrant			
	• Size of riser/down comer	150 mm	150 mm	M/R
	• Number of hydrants per floor	5	5	M/R
	• Hose Box	5	5	M/R
12	Yard Hydrant			
	• Total Number of hydrants	NA		
	• Hose Box	As the NAC is only for services, III, IV th floor 1 hydrant		

13	Pumping Arrangements			
	Ground Level			
	➤ Number of main pump	2 Nos	2 Nos	M/R
	➤ Discharge of main pump	2280 LPM	2280 LPM	M/R
	➤ Head of main pump	70 mts	70 mts	M/R
	➤ Jockey pump out put	950 LPM	950 LPM	M/R
	➤ Jockey pump Head	70 mts	70 mts	M/R
	➤ Standby pump out put	2280 LPM	2280 LPM	M/R
	➤ Standby Pump Head	70 mts	70 mts	M/R
	➤ Auto Starting/Manual stopping	Auto	Auto	M/R
	➤ Pump House Access	Required	Provided	M/R
	Terrace level			
	➤ Discharge of pump	950 LPM	950 LPM	M/R
	➤ Head of the pump	50 mts	50 mts	M/R
	➤ Power Supply	750 KVAX 4	750 KVAX 4	M/R
	➤ Auto starting /Manual stopping	Auto	Auto	M/R
14	Captive Water Storage for Fire Fighting			
	• Underground tank capacity	1,50,000 Lts	1,50,000 Lts	M/R
	➤ Draw-off connection	Required	Provided	M/R
	➤ Fire service inlet	Required	Provided	M/R
	➤ Access to tank	Required	Provided	M/R
	• Overhead tank capacity	20,000 Lts	20,000 Lts	M/R
15	Exit Signage	Required	Provided	M/R
16	Provision of Lifts			
	• Pressurization of Lift Shaft	Required	Provided	M/R
	• Pressurization of Lift lobby	Required	Provided	M/R
	• Communication in lift Car	Required	Provided	M/R
	• Fireman's Grounding Switch	Required	Provided	M/R
	• Lift Signage	Required	Provided	M/R
17	Standby Power Supply	750KVAX 4	750KVAX 4	M/R
18	Refuge Area			
	• Total Area	NA		
	• Location	NA		
19	Fire Control Room			
	• Detector System Panel	Required	Provided	M/R
	• Flow Switch Panel	Required	Provided	M/R
	• PA System Panel	Required	Provided	M/R
	• Battery back up	Required	Provided	M/R
	• Building Floor Plans	Required	Provided	M/R

20	Special Fire Protection System for Protection of special risk, if any	NA	NA	NA
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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 / ~~issue shortcomings as noted at serial Number~~.....

The width of the staircases on the service, third, fourth floor are 2 staircase 2mts, 2 staircases are 1.84mts, 2 are of 1.10mts. These are as per the approved plans. This department has issued Noc for the second floor of the hospital vide letter No - F6/DFS/MS/Hospital/2011/2091 dt 26/8/2011. Forwarded for approval. The Noc is recommended for service floor, 3rd & 4th floor. The travel distance meets the requirement of distance.

Signature of Inspecting Officer

Name : Dharampal

Designation : Div. Officer

Signature of Inspecting Officer

Name : Rajan Wadehra

Designation: Asstt. Div. Officer

The three Nos of staircases are having width 2.00 each and two Nos of staircases are having width 1.1 m. each. These are the width of Third & fourth floors as per the sanctioned drawings, which meets the requirements of travelling distance.

29/6/12