



No. F6/DFS/MS/Hospital/SZ/2024/ 310

Dated: 16/05/2024

**FIRE SAFETY CERTIFICATE**

Certified that the **Indraprastha Apollo Hospital, Sarita Vihar, Mathura Road, New Delhi**, comprised of Two Blocks: OPD Block & Main (IPD) Block:- **Main (IPD) Block** (Two tier Basement + Ground + Service floor + 06 upper floors), **OPD Block** (Two tier Basement + Ground + Service floor + 04 upper floors) & was granted Fire Safety Certificate by this department vide letter no. F.6/DFS/MS/Hospital/2021/SZ/297 dated 07.07.2021. The building/premises was re-inspected by a team of officers concerned of this department on 08.05.2024 in presence of Mr. Kamal Krishan Rathee (Fire Officer) and found that the building has deemed complied with the fire prevention and fire safety requirements in accordance with Rule 33 of Delhi Fire Service Rules, 2010. Accordingly, the premises/building is fit for occupancy of Group 'C' Hospital (Institutional Building) with effect from 16/05/2024..... 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 conditions under Rule 38 of Delhi Fire Service Rules, 2010 printed below.

Issued on 16/05/2024.....at New Delhi by

(Atul Garg)

Director

Delhi Fire Service

**Copy to:-**

1. The Medical Superintendent Nursing Home, Directorate of General of Health Services, 3rd floor, DGD Building, S-1, School Block, Shakarpur, New Delhi-92.
2. The Medical Superintendent, Indraprastha Apollo Hospital, Sarita Vihar, Mathura Road, New Delhi.

**Conditions for the validity of Fire Safety Certificate**

1. All the fire safety arrangements provided therein shall be maintained in good working conditions at all times.
2. Any loss of life or property due to non functional fire safety measures shall be at the responsibility of the management.
3. The trained fire fighting staff should be available round the clock.
4. Any deviation w.r.t. construction etc. shall be verified by the concerned building sanctioning authority.
5. This fire safety certificate may not be treated in any case for regularization of unauthorized construction, if any.
6. 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](http://www.dfs.delhigovt.nic.in)
7. 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".
8. Basement shall be used as per BBL.
9. Any change in the occupancy shall be intimated to this Deptt. and approval shall be obtained thereto before occupancy of the same.

**INSPECTION REPORT**

N/50

1	Name and address of the building:		<b>Indraprastha Apollo Hospital, Sarita Vihar, Mathura Road, New Delhi.</b>	
2	Building is comprised of		Group C – "Institutional Building" (Hospital)	
3	Type of occupancy		Two Blocks (Connected by a corridor at 3 <sup>rd</sup> floor & Lower Basement Level) :- Main (IPD) Block: [(Two tier Basement + Ground + Service floor (above 1 <sup>st</sup> floor) + 6 Upper floors)], OPD Block: [(Two tier Basement + Ground + Service floors (above 2 <sup>nd</sup> floor) + 4 Upper floors)]	
4	Type of case:		Renewal	
5	Details of previous FSC:		F.6/DFS/MS/Hospital/2021/SZ/297 dated 07.07.2021	
6	Fire safety directives No.:		F.6/DFS/MS/BP/Hospital/2010/3455 dated 31/12/2010	
7	Date of inspection:		08.05.2024	
8	Name of the inspecting officer:		Manoj Kumar Sharma, DO (SD) & Rajesh Kumar Shukla, ADO (M.Road)	
9	Name and designation of the officer from the building side:		Mr. Kamal Krishan Rathee (Fire Officer)	
10	Year of construction:		1996 & 2012	
11	Reference letter no.:		Outdoor diary no. 501 dated 10.04.2024	
S.No	Minimum standard of Fire Prevention and Fire Safety U/R 33	Requirements (Existing Fire & Safety Measures)	Provide at site	Remarks MR/ NMR
1	<b>Access to Building</b>			
	A Road width	12.0 m	12.0 m	MR
	B Gate width	4.5 m	2 x 5.8 m & 1 x 4.8 m	MR
	C Width of internal roads	6.0 m	6.0 m	MR
2	<b>Number, Width, Type &amp; Arrangement of Exits</b>			
	A No. of Staircase:			
	a) Upper floor	IPD Block: (10 nos.) GF to Terrace - 6 nos. 2 <sup>nd</sup> F to 6 <sup>th</sup> F (Tower-1) - 1 no. 4 <sup>th</sup> F to 6 <sup>th</sup> F (tower-2) - 1 no. between GF & 3 <sup>rd</sup> F (one each in tower - 1 & 2) 2 no. OPD Block: 5 nos. (one staircase is not serving 1 <sup>st</sup> & 2 <sup>nd</sup> floor)	Provided	MR (Old case)
	b) Basements	IPD Block: 7 nos. OPD Block: 4 nos.	Provided	MR
	B Width of the Staircase:			
	a) Upper floors	2.0 m	IPD Block: (10 nos.) GF to Terrace- 1.12m, 1.1m, 2.1m 2.0m, 1.09m & 1.04m 2 <sup>nd</sup> F to 6 <sup>th</sup> F (Tower-1)- 1.42m 4 <sup>th</sup> F to 6 <sup>th</sup> (Tower-2)- 1.44m between GF & 3 <sup>rd</sup> F (one each in tower -1 & 2) - 1.36m each OPD Block: 2x2m, 1.06m, 1.08m, & 1.5m	MR (Old case)
	b) Basements	2.0 m	IPD Block: 1.12m, 1.1m, 1.09m, 1.04m, 1.36m 1.86m & 1.89m OPD Block: 1.06m 1.08m, 0.98m, & 0.96m	MR (Old case)
	C Protection of Exits			
	a) Fire check door	Required	Provided	MR
	b) Pressurization	Required	Provided	MR
	D No. of continuous staircase to terrace:	Required	Provided	MR
	E Width of the corridor	2.4 m	Provided	MR
	F Door size	2.0 m	Provided	MR
3	<b>Compartmentation:</b>			
	A Fire check doors	Required	Provided	MR
	B Sealing of electrical shafts	Required	Provided	MR
	C Fire rating of shaft doors	Required	Provided	MR
	D Water curtain	NA	NA	MR
	E Fire dampers	Required	Provided	MR
4	<b>Smoke Management System:</b>			
	A Basements	Required	Provided	MR
	B Upper floors	Required	Provided only in 3 <sup>rd</sup> & 4 <sup>th</sup> floor of OPD Block	MR

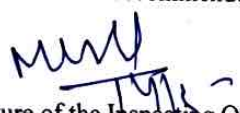
<b>5</b>	<b>Fire Extinguishers</b>					
<b>A</b>	Total numbers	Required	717 nos.	MR		
<b>B</b>	Types	CO <sub>2</sub> , ABC & WCO <sub>2</sub> foam	264/185/234/34	MR		
<b>C</b>	ISI marking	ISI marked	Provided	MR		
<b>6</b>	<b>First Aid Hose reel</b>					
<b>A</b>	Total no. at each floor	IPD – 8 nos. & OPD- 5 nos.	Provided	MR		
<b>B</b>	Length of Hose Reel	30m	Provided	MR		
<b>C</b>	Nozzle diameter	5 mm	Provided	MR		
<b>7</b>	<b>Automatic Fire Detection and Alarm System (ADAS)</b>					
<b>A</b>	Type of Detectors	Smoke & Heat	Provided	MR		
<b>B</b>	Location of main Panel	Ground floor	Provided	MR		
<b>C</b>	Location of repeater panel	NA	NA	MR		
<b>D</b>	Alternate power source	Required	Provided	MR		
<b>E</b>	Hooter's location	Audible in entire building	Provided	MR		
<b>8</b>	<b>MOEFA</b>	Required	Provided	MR		
<b>9</b>	<b>Public Address System</b>	Required	Provided	MR		
<b>10</b>	<b>Automatic Sprinkler System</b>					
<b>A</b>	Basement	Required	Provided	MR		
<b>B</b>	Upper floor	Required [(Except in OPD- GF & 1 <sup>st</sup> F and IPD – GF, 1 <sup>st</sup> & 2 <sup>nd</sup> floor)- N/16]	Provided	NA		
<b>C</b>	Sprinklers above false ceiling	Required	Provided	MR		
<b>11</b>	<b>Internal Hydrants</b>					
<b>A</b>	Size of the riser/down comer	150 mm	Provided	MR		
<b>B</b>	No. of hydrants per floor	IPD- 8 nos. & OPD - 5 nos.	Provided	MR		
<b>C</b>	Hose box	IPD- 8 nos. & OPD - 5 nos.	Provided	MR		
<b>12</b>	<b>Yard Hydrants</b>					
<b>A</b>	Total no. of hydrants	Required	15 nos.	MR		
<b>B</b>	Hose box	Required	15 nos.	MR		
<b>13</b>	<b>Pumping arrangements</b>					
<b>A</b>	<b>Ground Level</b>					
	a)	Discharge of main pump	2850 LPM	Internal Hydrant: 4932 LPM, Yard Hydrant: 2280 LPM, Sprinkler (1 & 2)- 3132 LPM	MR	
	b)	Head of main pump	70 m	Internal Hydrant- 84 m, Yard Hydrant – 70 m Sprinkler (1 & 2)- 84 m	MR	
	c)	Number of main pump	2 nos.	4 nos.	MR	
	d)	Discharge of jockey pump	2 nos. of 180 LPM	180 LPM & 2 nos. of 390 LPM	MR	
	e)	Head of jockey pump	70 m	70 m & 89 m x 2nos.	MR	
	f)	Discharge of Standby pump	2280 LPM	2280 LPM	MR	
	g)	Head of Standby pump	70 m	87 m	MR	
	h)	Auto starting/ manual stopping	Required	Provided	MR	
	<b>B</b>	<b>Terrace Level</b>				
		a)	Discharge of terrace pump	2 nos. of 900 LPM	Provided	MR
		b)	Head of terrace pump	40 m	40 m	MR
		c)	Alternate power supply	Required	Provided	MR
		d)	Auto starting of pump	Required	Provided	MR
<b>14</b>	<b>Captive Water Storage for Fire Fighting</b>					
<b>A</b>	Underground tank capacity	1,50,000 litres	Provided	MR		
<b>B</b>	Draw off connection	Required	Provided	MR		
<b>C</b>	Fire Service Inlet	Required	Provided	MR		
<b>E</b>	Access to tank	20,000 litres each	Provided	MR		
<b>D</b>	Overhead tank capacity	blocks				


15	<b>Exit Signage</b>				
16	<b>Provision of lift</b>		Required	Provided	MR
	A	Pressurization of lift shaft			MR
	B	Pressurization of lift lobby	Required	Provided	MR
			Required	Lobbies are created with 2 hrs fire rated board & FCD installed the pressurization of lift shaft is increased in conformity with table 6 of NBC-2016 to meet the requirement	MR
	C	Communication in lift car			
	D	Fireman switch	Required	Provided	MR
	E	Lift signage	Required	Provided	MR
17	<b>Standby Power Supply</b>				
			Required	Provided	MR
18	<b>Refuge Area</b>				
	A	location			
	B	Total area	NA	NA	NA
19	<b>Fire Control Room</b>				
			NA	NA	NA
	A	Fire detection system panel	Required	Provided	MR
	B	Flow switch panel	NA	NA	NA
	C	P A system panel	Required	Provided	MR
	D	Battery backup	Required	Provided	MR
	E	Building floor plan	Required	Provided	MR
20	<b>Special Fire Protection for special risk if any</b>				
			CO <sub>2</sub> flooding system in HT/LT panel	FM-200 flooding provided in panels	MR

**LEGENDS: Meeting Requirement (MR), Not Meeting Requirement (NMR), Not Applicable (NA), Provided but Not Functional (PNF), Not Provided (NP).**


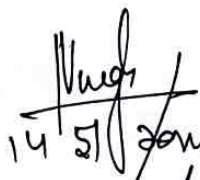



The fire protection system was randomly checked and tested was found functional at the time of inspection.

In view of the deemed compliance of minimum standards of fire prevention and fire safety measures as required under the Rules, the FSC issued vide letter No. F.6/DFS/MS/Hospital/2021/SZ/297 dated 07.07.2021 is recommended to be renewed under Rule 37 of the Delhi Fire Service Rules 2010.

  
 Signature of the Inspecting Officer  
 Name : Manoj Kumar Sharma  
 Designation DO (SD)

  
 Signature of the Inspecting officer  
 Name Rajesh Kumar Shukla  
 Designation ADO (M.Road)

CFO

  
  
 14/5/2024  
 Director  
  
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 Director  
  
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