

GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI - 110 001

No. F.6/DFS/MS/Hospital/SZ/2018/ 1273

Dated: 31/5/18

FIRE SAFETY CERTIFICATE

Certified that Inderprastha Apollo Hospital situated at Sarita Vihar, Mathura Road, New Delhi comprised of two blocks OPD Block & Main (IPD) Block. Main (IPD) Block is comprised of two tier Basement, Ground and Six Upper Floors & OPD Block comprised of two tier Basement, Ground, Service Floor and Four Upper Floors was granted FSC by this department vide letter no.F6/DFS/MS/Hospital/2014/SZ/1224 dated 19/09/2014. The premises was re- inspected by the officer concerned of this department on 18/05/2018 in the presence of Mr. Vayom Gupta (Chief Engineer) and found that the said Hotel building 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 is fit for occupancy class "**Group C, Institutional Building (Hospital)**" with effect from ~~31/5/18~~ 31/5/18-2018 for a period of **three years** in accordance with rule 36 unless renewed under rule 37 or sooner cancelled under rule-40 of the Delhi Fire Service Rules, 2010.

Issued on.....31/5/18.....at New Delhi by.

Vipin Kental
(Vipin Kental)
Chief Fire Officer
Tel: 011-23412225

Copy to:-

1. The Executive Engineer (Bldg.), SDMC, Jal Vihar, Lajpat Nagar, New Delhi-110024
2. The CEO, Inderprastha Apollo Hospital situated at Sarita Vihar, Mathura Road, New Delhi

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 arrangements provided therein shall be maintained in good working condition at all time as seen during inspection. Any loss of life or 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 firefighting 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 http://delhi.gov.in/wps/wcm/connect/doiit_fire/FIRE/Home/Forms
5. This fire safety certificate may not in any way 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 (1) of rule 37] along with a copy of this Certificate, **six months** prior to its expiry."

INSPECTION REPORT

1. Name & address of the building : Inderprastha Apollo Hospitals, Sarita Vihar, Mathura Road, New Delhi
2. Type of Occupancy : Industrial "Group-G"
3. Type of Case : Renewal
4. Details of Previous NOC : F6/DFS/MS/Hospital/2014/SZ/1224 dated 19/09/2014
5. Fire Safety directives letter No : F6/DFS/MS/BP/Hospital/2010/3455 dated 31/12/2010
6. Date of inspection : 18/05/2018
7. Name of Inspecting Officer : A. K. Malik
8. Name and designation of officer from the building side : Mr. Vayom Gupta (Chief Engineer)
9. Year of Construction : 1996 & 2012
10. Applicant's letter No. : Outdoor diary no. 7068 dated 08/05/2018

[Two Blocks (Connected by a corridor at 3rd Floor & Lower Basement Level):- Main (IPD)Block: {2 tier Basement + Ground + Service floor (above 1st F) + 6 Upper Floors}, OPD Block : {2 tier Basement + Ground + Service floor (above 2nd F) + 4 Upper Floors}]

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	BBL/NBC Requirement	Provided at site	Remarks
1.	Access to building			MR/NMR
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	12m 4.5m 6m	Provided 2 x 5.8m & 1 x 4.8m Provided	MR MR MR
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	<ul style="list-style-type: none"> • Upper Floors 	IPD Block: (10 Nos) GF to Terrace-6 Nos 2 nd F to 6 th F (Tower-1) -1No 4 th F to 6 th F (Tower-2) -1No Between GF & 3 rd F (one each in Tower-1 & 2) - 2No	Provided	MR (old case)
	<ul style="list-style-type: none"> • Basements 	IPD Block: 7 Nos OPD Block: 4 Nos	Provided	MR
	b. Width of staircases			
	<ul style="list-style-type: none"> • Upper Floor 	2m	IPD Block: (10 Nos) GF to Terrace- 1.12m, 1.1m, 2.1m, 2m, 1.09m & 1.04m 2 nd F to 6 th F (Tower-1) -1.42m 4th F to 6th F (Tower-2)-1.44m Between GF & 3rd F (one each in Tower-1 & 2)- 1.36m each OPD Block: 2 x 2m, 1.06m, 1.08m, (& 1.5m)	MR (old case)

	<ul style="list-style-type: none"> Basements 	2m	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	Required	Provided	MR
	<ul style="list-style-type: none"> Fire check door Pressurization 	Required	Provided	MR
	d. No. of continuous staircases to terrace	Required	Provided	MR
	e. Width of Corridor	2.4m	Provided	MR
	f. Door Size	2m	Provided	MR
3.	Compartmentation			
	<ul style="list-style-type: none"> Fire check door Sealing of electrical shafts Fire Rating of shaft door Water Curtain Fire Dampers 	Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		NA	NA	NA
		Required	Provided	MR
4.	Smoke Management System			
	<ul style="list-style-type: none"> Basements 	30 ACPH	Lower Basement of OPD Block is only provided with suction	MR
	<ul style="list-style-type: none"> Upper floors 	12 ACPH	Provided only in 3 rd & 4 th Floor of OPD Block	MR
5.	Fire Extinguishers			
	<ul style="list-style-type: none"> Total numbers Types IS marking 	717 No's ABC/W. CO ₂ /CO ₂ /Foam ISI marked	Provided 185/234/264/34 Yes	MR MR MR
6.	First-Aid Hose Reels			
	<ul style="list-style-type: none"> Total numbers on each floor Length of hose reel hose Nozzle diameter 	IPD-8 & OPD-5 Nos 30m 5mm	Provided Provided Provided	MR MR MR
7.	Automatic fire detection and alarming system			
	<ul style="list-style-type: none"> Type of detectors Location of Main Panel Location of Repeater Panel Alternate source of power Hooters' Location 	Smoke & Heat Ground Floor NA Required Every Floor	Provided Provided NA Provided Provided	MR MR NA MR MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	<ul style="list-style-type: none"> Basement 	Required	Provided	MR
	<ul style="list-style-type: none"> Upper Floors 	Required [(except in OPD-GF & 1 st F and IPD-GF, 1 st & 2 nd Floor)-N/16]	Provided	MR
	<ul style="list-style-type: none"> Sprinkler above false ceiling 	Required	Provided	MR
11.	Internal Hydrants			
	<ul style="list-style-type: none"> Size of riser/down-comer Number of hydrants per floor Hose Box 	150mm IPD-8 & OPD-5 Nos IPD-8 & OPD-5 Nos	Provided Provided Provided	MR MR MR
12.	Yard Hydrants			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	15 No's 15 No's	Provided Provided	MR MR

- 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
- Terrace level
 - Discharge of pump
 - Head of the pump
 - Power Supply
 - Auto Starting of pump

2280 LPM	Internal Hydrant:4932 LPM Yard Hydrant: 2280 LPM Sprinkler-1 & 2: 3132 LPM	MR
70m	Internal Hydrant:84m Yard Hydrant: 70m Sprinkler-1 & 2: 84m	MR
Two	Four	MR
2 x 180 LPM	One of 180 & Two of 390 LPM	MR
70m each	One of 70m & Two of 89m	MR
2280 LPM	Provided	MR
70m	87m	MR
Required	Provided	MR
Required	Provided	MR
2 x 900 LPM	Provided	MR
40m each	Provided	MR
Required	Provided	MR
Required	Provided	MR

14. Captive Water Storage for fire fighting

<ul style="list-style-type: none"> • Underground tank capacity <ul style="list-style-type: none"> ➤ Draw-off connection ➤ Fire service inlet ➤ Access to tank • Overhead Tank capacity 	1,50,000 Lts	Provided	MR
	Required	Provided	MR
	Required	Provided	MR
	Required	Provided	MR
	20,000 Lts on each block	Provided	MR
	Required	Provided	MR

15. Exit Signage.

16. Provision of Lifts.

<ul style="list-style-type: none"> • Pressurization of Lift Shaft • Pressurization of Lift lobby • Communication In lift Car • Fireman's Grounding Switch • Lift Signage 	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
	Required	Provided	MR
	Required	Provided	MR
	Required	Provided	MR

17. Standby power supply

18. Refuge Area.

<ul style="list-style-type: none"> ➤ Total Area ➤ Location 	NA	NA	NA
	NA	NA	NA

19. Fire Control Room

<ul style="list-style-type: none"> • Detector System Panel 	Required	Provided	MR
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	• Flow Switch Panel	NA	NA	NA
	• PA System Panel	Required	Provided	MR
	• Batter backup	Required	Provided	MR
	• Building Floor Plans	Required	Provided	MR
20.	Special Fire Protection System for Protection of special Risks, if any:	CO ₂ flooding system in HT/LT Panel	FM-200 flooding provided in panels	MR

The shortcomings at Sr. no. 1 & 4 communicated vide letter no. F6/DFS/MS/Institutional/SZ/2018/Hospital/1680 dated 25/04/2018, found complied. The applicant vide letter mentioned above (C/71-73) at point no. 8 & 10 requested for continuation of dispensation of sprinkler system [OPD Block-GF & 1st F and IPD-GF, 1st & 2nd Floor] and requested for dispensation of smoke management system in the old structures citing multiple constraints in its implementation, the same is shown as MR at point no. 4 of the inspection note.

The fire protection systems provided in the building were randomly tested, checked and found functional at the time of inspection and it is recommended that FSC may be issued and accordingly Form "H" is put up in shape of DFA for approval. The competent authority may take decision as per Rule 35 (4).

A. K. Malik
21/5/18

Signature of Inspecting Officer
 Name: A. K. Malik
 Designation: Divisional Officer

Dy. CFO (SZ)

Submitted for consideration and further order M.

[Signature]
21/5

21/05/18
797
255718

CFO SZ
D. Chandra

PI speak
U
22/5

[Signature]
25/5
Specken

D. Chandra

The smoke management system was found to have been provided in old inspection performa but hospital authorities has informed that the same has not been provided by hospital & the hospital is asking to dispense with the requirement as it is not feasible to provide it now.

CFO FPA
[Signature]

The FPA may give opinion