

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

No. F6/DFS/MS/Hospital/2013/568

Dated: 12/02/13

FIRE SAFETY CERTIFICATE

Certified that the 500 bedded New Ward Block at G.T.B. Hospital, Shahdara, Delhi, comprised of basement, ground plus seven upper floors, owned/occupied by Govt. of NCT of Delhi (PWD) 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 16.01.2013 & 24.01.13 in the presence of Sh. T. Paul (AE-E) & Sh. Tejbir Singh (AE-C) PWD and that the building is fit for occupancy group C -1 "Institutional Building" with effect from ..12./02./13 for a period of three years in accordance with the 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, printed overleaf.

Issued on.....12/02/13.....at New Delhi by



Chief Fire Officer
Delhi Fire Service

OJC
7/2/13

To,
The Medical Superintendent
GTB Hospital, Shahdara, Delhi-95.

Copy to:-

- a) The Executive Engineer (E),
B-243, PWD, GTB Hospital Complex,
Shahdara, Delhi-95.
- b) The Executive Engineer (B),
EDMC Building Department
Shahdara, Delhi.

CONDITIONS:

1. All the means of escape shall be kept free of all type of obstruction all the time.
2. All the employees shall be acquainted with the use and maintenance of all fire equipments and method of smooth and speedy safe evacuation of occupants in case of emergency.
3. All the fire fighting equipments shall be maintained in perfect working condition all the time and any lapse rendering non-functional of fire safety measures, management shall be responsible.
4. Any deviation, with regards to construction, ventilation, occupancy, electric installation etc. may be got verified from the concerned authorities.
5. Internal access road of 6 mtrs wide all around building blocks must be kept clear all the time for free movement of fire engines in case of fire.
6. Basement shall not used for any type of storage & occupancy.
7. 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.
8. This Fire Safety Certificate may not be treated in any case for regularizations of unauthorized construction/ unauthorized use of land if any & also not for other buildings of GTB hospital complex.

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INSPECTION REPORT

1. Name & address of the building : 500 bedded New Ward Block at G.T.B. Hospital, Shahdara, Delhi.
2. Building Comprised of : B+Ground plus seven upper floors
2. Type of Occupancy : Institutional (Hospital Building)
3. Type of Case : New Case
4. Details of Previous NOC : Nil
5. Fire Safety directives No : F6/DFS/MS/BP/Hospital/2004/1275 dtd. 16.06.2004
6. Date of Inspection : 16.01.2013 & 24.01.13
7. Name of the Inspecting Officer : DO Virendra Singh & ADO Gurmukh Singh
8. Name of the designation of Officer : Sh. T.Paul(AE-E), Sh. Tejbir Singh (AE-C) & Sh. Deepak Kumar
From the building side with other supported staff.
9. Year of Construction : 2009-12
10. Applicant's letter No. : 54(NWB-III)/EE(E)/B-243 (N)/893 dated 20.12.12

S.NO.	Minimum Standards on fire prevention and fire safety U/R33	As per directives requirement	Provided at Site	Remarks
1	Access to building			
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	12 Mtrs.	26 Mtrs.	MR
		4.5 Mtrs.	6 Mtrs.	MR
		6 Mtrs.	6 Mtrs.	MR
2	Number, Width, Type and Arrangement of Exits			
	a. Number of Staircases			
	<ul style="list-style-type: none"> • Upper Floor • Basement 	08 Nos.	08 Nos.+09 Lift	MR
		04 nos.	04 Nos.	MR
	b. Width of Staircases			
	<ul style="list-style-type: none"> • Upper Floor • Basement 	2.0 Mtrs.	2.0 Mtrs.	MR
		2.0 Mtrs.	2.0 Mtrs.	MR
	c. Protection of exits			
	<ul style="list-style-type: none"> • Fire check door • Pressurization 	Required	Provided	MR
		Required	Provided	MR
	e. No. of continuous staircases to terrace	3 nos.	4 nos.	MR
	g. Width of Corridor	2.0 M	2.75 M	MR
	h. Door Size	2.0 M	Provided	MR
3	Compartmentation.	Required	Provided	
	<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	Sealed	MR
		1 hrs.	1 hrs.	MR
		Not Required	Not Provided	MR
		Not Required	Not Provided	MR
4	Smoke Management System.			
	<ul style="list-style-type: none"> • Basement • Upper floor 	N/A	-----	-----
		12 a/c per hour	Provided	MR

500 bedded New Ward Block at G.T.B. Hospital, Shahdara, Delhi

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5.	Fire Extinguisher			
	<ul style="list-style-type: none"> Total numbers types 	100 Nos.	324 Nos.	MR
		Water Type,ABC &Co2	Provided	MR
	<ul style="list-style-type: none"> IS marking 	ISI marked	Provided	MR
6	First-aid-Hose Reels.			
	<ul style="list-style-type: none"> Total numbers of each floor Length of hose reel hose Nozzle diameter 	04 nos.	Provided	MR
		30 m	Provided	MR
		20 mm	Provided	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 	Heat & smoke	Provided	MR
		Ground floor	Provided	MR
		1,3,5 &7 th floor near lift lobby	Provided	MR
		Battery & DG Set	Provided	MR
	<ul style="list-style-type: none"> Hooters's location 	Near Staircase	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public address System.	Required	Provided	MR
10	Automatic Sprinkler System.	Required	Provided	MR
	<ul style="list-style-type: none"> basement upper floor sprinkler above false ceiling 	N/A	-----	-----
		Required	Provided	MR
		Required	Provided	MR
11	Internal Hydrants			
	<ul style="list-style-type: none"> size of riser/down-comer Number of hydrants per floor Hose Box 	150 mm	Provided	MR
		04 Nos.	Provided	MR
		04 Nos	Provided	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants Hose Box 	06 Nos.	provided	MR
		06 Nos.	provided	MR
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> Ground Level ➤ 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 	2850 LPM	2850 LPM	MR
		2850 LPM	Provided	MR
		70 Mtrs.	Provided	MR
		02 Nos.	Provided	MR
		180 LPM	Two 180 LPM	MR
		70 Mtrs.	Provided	MR
		2850 LPM	2850 LPM	MR
		70 Mtrs	Provided	MR
		Auto	Provided	MR
		Required	Provided	MR
		900 lpm	Provided	MR
		35 mtrs,	35 Mtrs.	MR

500 bedded New Ward Block at G.T.B. Hospital, Shahdara, Delhi


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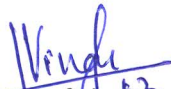
500 Bedded Hosp. GTB.
Block

		Required	Provided	MR
	➤ Power supply	Required	Provided	MR
	➤ Auto Starting of pump	Required	Provided	MR
14	Captive Water Storage for Fire Fighting.			
	• Underground tank capacity	2,00,000 Ltrs.	3,50,000 Ltrs.	MR
	➤ Draw-off connection	Required	Provided	MR
	➤ Fire service inlet	Required	Provided	MR
	➤ Access to tank	Required	Provided	MR
	• Overhead Tank capacity	50,000 Ltrs.	50,000 Ltrs.	MR
15	Exit Signage.	Required	Provided	MR
16	Provision of Lifts.			
	• Pressurization of Lift Shaft	Required	Provided	MR
	• Pressurization of Lift lobby	Not Required	Not Provided	MR
	• Communication in lift car	Required	Provided	MR
	• Firemen's grounding switch	Required	Provided	MR
	• Lift Signage	Required	Provided	MR
17	Standby power supply	Required	750 KVA	MR
18	Refuge Area.	Required	Provided	MR
	• Total area	248 Sq Mtrs.	Provided	MR
	• Location	5 th floor	Provided	MR
19	Fire Control Room			
	• Detector system panel	Required	Provided	MR
	• Flow switch panel	Required	Provided	MR
	• PA system panel	Required	Provided	MR
	• Battery backup	Required	Provided	MR
	• Building Floor Plans	Required	Provided	MR
20	Special Fire Protection systems for protection of special Risks, if any:	Required for HT/LT panels	Provided	MR

The fire protection systems provided in the building were tested checked and found functional at the time of inspection.

Keeping in view the 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 Rule 2010.


Signature of the Inspecting Officer
Name:-Gurmukh Singh
Designation:-ADO (LN)


Signature of the Inspecting Officer
Name:-Virendra Singh
Designation:-DO (East)