

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

No. FB/DFB/MS/2015/ND21134

Dated: 28/01/15

FIRE SAFETY CERTIFICATE

Certified that the Jail Building located at Jail Complex Harsh Vihar, Mandoli, Delhi, comprised of Admin. Block (G+1), Jail No.1&3(G+2), Hostels (B,G+3) & Security check (G+1), 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 this department on 24.12.14, 30.12.13 & 05.01.15 in the presence of Sh. Yogender Kumar (EE-Elect.) and that the building is fit for occupancy group C -1 "Institutional Building" as above with effect from ... 28/01/15 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..... 28/01/15 at New Delhi by



(Dr.G.C.Misra)
Chief Fire Officer
Ph.011-23414333



To,
The Chief Engineer, PWD
MSO Building, ITO, New Delhi.

Copy to:-
The Executive Engineer (B),
Building Department, Hqrs
East Delhi Municipal Corporation
Plot No.419, Udyog Sadan, FIE,
Patparganj, 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 be used as per BBL after providing fire check doors.
7. "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"
8. 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.
9. This Fire Safety Certificate may not be treated in any case for regularizations of unauthorized construction/ unauthorized use of land if any.
10. This FSC is for Admin. Block (G+1), Jail No.1& 3(G+2), Hostels (B,G+3) & Security check (G+1) only.

1. Name & address of the building : Jail at Harsh Vihar, Mandoli, Shahdara, Delhi.
2. Building is comprised : Jail No.1 & 3(G+2), Hostels(B+G+3), Admn. Block & Security check (G+1)
3. Type of Occupancy : Institutional (Prison) Building
4. Type of Case : New
5. Details of Previous NOC letter : Nil
6. Fire Safety direction letter No : F.6/DFS/MS/BP/2007/3552 Dated 23.11.07
7. Date of Inspection : 24.12.14, 30.12.14, & 5.1.2015,
8. Name of the Inspecting officers : Dy.CFO Rajesh Panwar, DO Virendra Singh & ADO Vijay Bahadur
9. Name and designation of Officer:
from the building side : Sh.Yogender Kumar(EE-Elect) With other Staff.
10. Year of Construction : 2013 -2014
11. Applicant's letter: :

S.NO	Minimum Standards on fire prevention and fire safety U/R33	BBL Requirement	Provided at Site	Remarks MR/NMR
1	Access to building			
	<ul style="list-style-type: none"> • Road width • Gate width • Width of internal road 	12 Mtrs.	60 Mtrs.	MR
		6 Mtrs.	6 Mtrs.	MR
		6 Mtrs.	6 M to 12 M	MR
2	Number, Width, Type and Arrangement of Exits			
	a. Number of Staircases for upper floor			
	<ul style="list-style-type: none"> • Admin. Block • Deodi (Jail) • Cell (jail) • Chakra (jail) • Medical (in Jail no.3 only) • Security Check • Hostels ➤ Basement (in two parts of hostel) 	04 Nos.	04 Nos.	MR
		03 Nos.	*04 Nos. in each jail	MR
		03 Nos.	03 Nos. in each jail	MR
		01 No.	01 No.+1ramp each	MR
		02 Nos.	02 Nos.	MR
		01 No.	01 No.	MR
		10 Nos.	10 Nos.	MR
		08Nos.	08Nos	MR
	B. Width of Staircases for upper floor			
	<ul style="list-style-type: none"> • Admin. Block • Deodi • Cell • Chakra • Medical • Security Check • Hostels ➤ Basement (in two parts of hostel) 	1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
		1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
		1.25& 1.5 Mtrs.	1.25 to 1.5 Mtrs.	MR
		1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
		1.25 M	1.25 M each	MR
		1.25 M	1.25 M	MR
		1.25 M	1.25 M each	MR
		1.25 M	1.25 M each	MR
	c. Protection of exits			
	<ul style="list-style-type: none"> • Fire check door in hostel basement • Pressurization 	Required	Basement sealed	MR
		N/A	N/A	N/A
	e. No. of continuous staircases to terrace	20 nos.	20 nos.	MR
	g. Width of Corridor	1.5 Mtrs.	1.5 to 2.0 Mtrs.	MR
	h. Door Size	1.0 Mtr.	1.0 Mtr.	MR
3	Compartmentation.			
	Fire check door in hostel basement	Required	Basement sealed	MR
	<ul style="list-style-type: none"> • Sealing of expansion joint in hostel • Sealing of electrical shafts • Fire rating of shaft door • Water curtain • Fire Dampers 	Required	Basement sealed	MR
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
4	Smoke Management System.			
	<ul style="list-style-type: none"> • Basement 	30a/c per hour	Naturally	MR

9. Name and designation of Officer:

from the building side

: Sh. Yogender Kumar (EE-Elect) With other Staff.

10. Year of Construction

: 2013 -2014

11. Applicant's letter:

:

S.NO	Minimum Standards on fire prevention and fire safety U/R33	BBL Requirement	Provided at Site	Remarks MR/NMR
1	Access to building			
	<ul style="list-style-type: none"> Road width 	12 Mtrs.	60 Mtrs.	MR
	<ul style="list-style-type: none"> Gate width 	6 Mtrs.	6 Mtrs.	MR
	<ul style="list-style-type: none"> Width of internal road 	6 Mtrs.	6 M to 12 M	MR
2	Number, Width, Type and Arrangement of Exits			
	a. Number of Staircases for upper floor			
	<ul style="list-style-type: none"> Admin. Block 	04 Nos.	04 Nos.	MR
	<ul style="list-style-type: none"> Deodi (Jail) 	03 Nos.	*04 Nos. in each jail	MR
	<ul style="list-style-type: none"> Cell (jail) 	03 Nos.	03 Nos. in each jail	MR
	<ul style="list-style-type: none"> Chakra (jail) 	01 No.	01 No.+1ramp each	MR
	<ul style="list-style-type: none"> Medical (in Jail no.3 only) 	02 Nos.	02 Nos.	MR
	<ul style="list-style-type: none"> Security Check 	01 No.	01 No.	MR
	<ul style="list-style-type: none"> Hostels 	10 Nos.	10 Nos.	MR
	<ul style="list-style-type: none"> ➤ Basement (in two parts of hostel) 	08Nos.	08Nos	MR
	B. Width of Staircases for upper floor			
	<ul style="list-style-type: none"> Admin. Block 	1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
	<ul style="list-style-type: none"> Deodi 	1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
	<ul style="list-style-type: none"> Cell 	1.25& 1.5 Mtrs.	1.25 to 1.5 Mtrs.	MR
	<ul style="list-style-type: none"> Chakra 	1.25& 1.5 Mtrs.	1.25& 1.5 Mtrs.	MR
	<ul style="list-style-type: none"> Medical 	1.25 M	1.25 M each	MR
	<ul style="list-style-type: none"> Security Check 	1.25 M	1.25 M	MR
	<ul style="list-style-type: none"> Hostels 	1.25 M	1.25 M each	MR
	<ul style="list-style-type: none"> ➤ Basement (in two parts of hostel) 	1.25 M	1.25 M each	MR
	c. Protection of exits			
	<ul style="list-style-type: none"> Fire check door in hostel basement 	Required	Basement sealed	MR
	<ul style="list-style-type: none"> Pressurization 	N/A	N/A	N/A
	e. No. of continuous staircases to terrace	20 nos.	20 nos.	MR
	g. Width of Corridor	1.5 Mtrs.	1.5 to 2.0 Mtrs.	MR
	h. Door Size	1.0 Mtr.	1.0 Mtr.	MR
3	Compartmentation.			
	Fire check door in hostel basement	Required	Basement sealed	MR
	<ul style="list-style-type: none"> Sealing of expansion joint in hostel 	Required	Basement sealed	MR
	<ul style="list-style-type: none"> Sealing of electrical shafts 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Fire rating of shaft door 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Water curtain 	N/A	N/A	N/A
	<ul style="list-style-type: none"> Fire Dampers 	N/A	N/A	N/A
4	Smoke Management System.			
	<ul style="list-style-type: none"> Basement 	30a/c per hour	Naturally ventilated	MR
	<ul style="list-style-type: none"> Upper floor 	N/A	N/A	N/A
5.	Fire Extinguisher			
	<ul style="list-style-type: none"> Total numbers 	150 nos.	190 Nos.	MR
	<ul style="list-style-type: none"> Types 	ABC & Co2	ABC & Co2	MR
	<ul style="list-style-type: none"> IS marking 	ISI marked	ISI marked	MR

❖ 4th staircase in deodi is from 1st floor to terrace only as per approved plan.

NIB

6	First-aid-Hose Reels.			
	<ul style="list-style-type: none"> Total numbers of each floor of all block 	38 nos.	38 nos.	MR
	<ul style="list-style-type: none"> Length of hose reel hose 	30 m	30 m	MR
	<ul style="list-style-type: none"> Nozzle diameter 	5 mm	5 mm	MR
7	Automatic fire detection and alarming system.			
	<ul style="list-style-type: none"> Type of detectors in hostel 	Heat & smoke	Provided	MR
	<ul style="list-style-type: none"> Location of main panel 	Basement	Provided	MR
	<ul style="list-style-type: none"> Location of repeater panel 	Security Room	Provided	MR
	<ul style="list-style-type: none"> Alternate source of power 	Battery & DG Set	Provided	MR
	<ul style="list-style-type: none"> Hooters's location 	Near Staircases	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public address System.	N/A	N/A	N/A
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> Basement of Hostel 	Required	Provided	MR
	<ul style="list-style-type: none"> upper floor 	N/A	N/A	N/A
	<ul style="list-style-type: none"> sprinkler above false ceiling 	N/A	N/A	N/A
11	Internal Hydrants			
	<ul style="list-style-type: none"> size of riser/down-comer 	150 mm	150 mm	MR
	<ul style="list-style-type: none"> Number of hydrants each floor of all block 	37 Nos.	37 Nos.	MR
	<ul style="list-style-type: none"> Hose Box 	37 Nos.	37 Nos.	MR
12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants near each bldg. Block on Ring Main 	02 Nos.	03 Nos.	MR
	<ul style="list-style-type: none"> Hose Box 	02 Nos.	03 Nos.	MR
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> Ground Level 	1620 LPM	1620 LPM	MR
	<ul style="list-style-type: none"> ➤ Discharge of main Pump 	1620 LPM	1620 LPM	MR
	<ul style="list-style-type: none"> ➤ Head of Main Pump 	95 Mtrs.	95 mtrs	MR
	<ul style="list-style-type: none"> ➤ Number of main pumps 	1 NO.	1 No.	MR
	<ul style="list-style-type: none"> ➤ Jockey pump out put 	180 LPM	200 LPM	MR
	<ul style="list-style-type: none"> ➤ Jockey pump head 	95 Mtrs.	95 mtrs.	MR
	<ul style="list-style-type: none"> ➤ Standby pump out put 	1620 LPM	1620 LPM	MR
	<ul style="list-style-type: none"> ➤ Standby pump Head 	95Mtrs	95 Mtrs.	MR
	<ul style="list-style-type: none"> ➤ Auto Starting /Manual stopping 	Auto	Provided	MR
	<ul style="list-style-type: none"> ➤ Pump House Access 	Required	Provided	MR
	<ul style="list-style-type: none"> Terrace Level 			
	<ul style="list-style-type: none"> ➤ Discharge of pump 	450 LPM	2X450 LPM at each block	MR
	<ul style="list-style-type: none"> ➤ Head of the Pump 	39 M	39 M	MR
	<ul style="list-style-type: none"> ➤ Power supply 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Auto Starting of pump 	Required	Provided	MR
14	Captive Water Storage for Fire Fighting.			
	<ul style="list-style-type: none"> Underground tank capacity 	2,00,000 Ltrs.	2,00,000 Ltrs.	MR
	<ul style="list-style-type: none"> ➤ Draw-off connection 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Fire service inlet 	Required	Provided	MR
	<ul style="list-style-type: none"> ➤ Access to tank 	Required	Provided	MR

N/A

16	Provision of Lifts.			
	• Pressurization of Lift Shaft	N/A	N/A	N/A
	• Pressurization of Lift lobby	N/A	N/A	N/A
	• Communication in lift car	N/A	N/A	N/A
	• Firemen's grounding switch	N/A	N/A	N/A
	• Lift Signage	N/A	N/A	N/A
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			
	• Detector system panel	Required	Provided	MR
	• Flow switch panel	N/A	N/A	N/A
	• PA system panel	N/A	N/A	N/A
	• Battery backup	Required	Provided	MR
	• Building Floor Plans	N/A	N/A	N/A
20	Special Fire Protection systems for protection of special Risks, if any:	Required	Provided for HT/LT panels	MR

The fire protection systems provided in above said buildings including yard hydrants on Ring Main of Jail complex were tested checked and found functional at the time of inspection.

Sir, the joint inspections of above said Jail Complex was carried out from fire safety point of view, in the presence of Principal Secretary (Home), along with officers from PWD and Jail authorities. During the course of inspection the point of compartmentation i.e. segregation of continuous staircases at basement level was raised and it was decided to seal the basement entry till fire check doors are provided. As per undertaking of EE(E) the same was sealed.

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. *Submitted please.*


Signature of the Inspecting Officer

Name:-Vijay Bahadur

Designation : ADO(TP)


Signature of the Inspecting Officer

Name:-Virendra Singh

Designation :-DO(ED)