

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

No.F.6/DFS/MS/Assembly(UG)/2018/SZ/ 412

Dated: 14/3/18

FIRE SAFETY CERTIFICATE

Certified that the **Dabri Mor Underground Station of Line-8**, New Delhi-110045, comprising of three levels (Undercroft, platform, concourse) & Ancillary Block having ground plus one upper floor owned/occupied by Delhi Metro Rail Corporation Ltd. was inspected by the officers concerned of this department on 01.03.2018 in the presence of Sh. Rajesh Jain (Dy. CEE VAC) & Sh. Balwant (Dy. CEC DMRC) and found that the said metro station building have Complied with the fire prevention and fire safety requirements in accordance with the rule 33 of the Delhi Fire Service Rules, 2010 and that the building/ premises is fit for occupancy class (**Group D Assembly Building**) with effect from ...14/3/18. the date of issue of this certificate 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 compliance of the conditions under rule-38 of the Delhi Fire Service Rules, 2010 printed as below.

Issued on.....14/3/18..... at New Delhi.

(VIPIN KENTAL)  
CHIEF FIRE OFFICER

Copy to:-

Sh. R.K. Saxena (CEE/RC1),  
Deini Metro Rail Corporation Ltd., Metro Bhawan,  
Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Following fire safety directives must be adhered to:-

1. All the fire safety arrangements provided therein shall be maintained in good working condition at all times.
2. The means of escape shall be kept unlocked and unobstructed for unhindered evacuation of occupants in case of emergency.
3. Any loss of life or property due to non-functional fire safety measures shall be at the risk and responsibility of the management.
4. The trained staff should be available round the clock.
5. Any deviations w.r.t. construction shall be verified by the concerned building sanctioning agency.
6. The certificate may not be treated in any case for the regularization of the unauthorized construction, if any.
7. The owner/occupier shall submit a declaration every year in the form 'K' provided in the first schedule of Delhi Fire Service Rules 2010, form is available on [www.dfs.delhigovt.nic.in](http://www.dfs.delhigovt.nic.in).
8. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in the Form 'J' [sub rule (1) of rule 37] along with a copy of this Certificate, six months prior to its expiry.

Underground Metro Station comprised of Concourse level, Platform level, Undercroft level & ancillary bldg. (ground plus one upper floor).

### INSPECTION REPORT

1. Name & address of the building : Dabri Mor Underground Station of Line-8, New Delhi-110045.
2. Type of Occupancy : Assembly Building D-7
3. Type of Case : New
4. Details of Previous NOC : N/A
5. Fire Safety directives letter No : F.6/DFS/MS/2013/2317 dated 25.09.2013
6. Date of inspection : 01.03.2018
7. Name of Inspecting Officer : D.O M.K. Chattopadhyay & A.D.O. Sandeep Duggal
8. Name and designation of officers  
From the building side : Sh. Rajesh Jain (Dy. CEE VAC) & Sh. Balwant (Dy. CEC DMRC)
9. Year of Construction : 2017
10. Applicant's letter No. : DMRC/MV/O/16/Elect./DFS dated 15.02.2018

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NFPA Requirement	Provided at site	Remarks MR/NMR
1.	<b>Access to building</b>			
	<ul style="list-style-type: none"> <li>• Road width</li> <li>• Gate width</li> <li>• Width of internal road</li> </ul>	Required N/A Approachable	Provided Directly accessible from road Abut on road	M/R N/A MR
2.	<b>Number, Width, Type &amp; Arrangement of Exits</b>			
	a. Number of staircases			
	<ul style="list-style-type: none"> <li>• Upper floors</li> <li>• Basement</li> </ul>	1 no.-Ancl. Bldg.	Provided	M/R
		1. Undercroft to platform-3 no.'s	Provided	M/R
		2. Platform to concourse 7 no.'s+ 02 Escalator		
		3. Concourse to Ground 3 no.'s+02 escalator		
	b. Width of staircases			
	<ul style="list-style-type: none"> <li>• Upper floors</li> <li>• Basements</li> </ul>	125 cms	Provided	M/R
		1. 1.25 (03 no.'s)	Provided	M/R
		2. 4.2 m (02 no.'s)+3.0m (02 no.'s)+1.25m (03 no.'s), + escalator - 01m (02 no.'s)		
		3. 4.7m (01 no.), +3.4m (01 no.), + 1.25M (01no.), + escalator -01M (02 no.'s)		
	c. Protection of exits			
	<ul style="list-style-type: none"> <li>• Fire/smoke check door</li> <li>• Pressurization</li> </ul>	Required	Provided	MR
	d. No. of continuous staircases to terrace	Required in fireman & emergency staircase	Provided	MR
	e. Width of Corridor	N/A	N/A	N/A
	f. Door Size	02 mtrs	Provided	MR
		1.30/.91 mtrs	Provided	MR
3.	<b>Compartmentation</b>			
	<ul style="list-style-type: none"> <li>• Fire check door</li> <li>• Sealing of electrical shafts</li> <li>• Fire Rating of shaft door</li> <li>• Water Curtain</li> <li>• Fire Dampers</li> </ul>	Required	Provided	MR
		Required	Provided	MR
		30 mnts & 03 hrs	Provided	MR
		N/A	N/A	N/A
		Required	Provided	MR
4.	<b>Smoke Management System</b>			
	<ul style="list-style-type: none"> <li>• Basements</li> </ul>	Required	Provided	MR
	<ul style="list-style-type: none"> <li>• Upper floor</li> </ul>	N/A	N/A	N/A
5.	<b>Fire Extinguishers</b>			

5. Fire Safety directives letter No : F.6/DFS/MS/2013/2317 dated 25.09.2013  
6. Date of inspection : 01.03.2018  
7. Name of Inspecting Officer : D.O M.K. Chattopadhyay & A.D.O. Sandeep Duggal  
8. Name and designation of officers  
From the building side : Sh. Rajesh Jain (Dy. CEE VAC) & Sh. Balwant (Dy. CEC DMRC)  
9. Year of Construction : 2017  
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S. No.	Minimum Standards on fire prevention and fire safety U/R 33	NFPA Requirement	Provided at site	Remarks MR/NMR
1.	<b>Access to building</b>			
	<ul style="list-style-type: none"> <li>Road width</li> <li>Gate width</li> <li>Width of internal road</li> </ul>	Required N/A Approachable	Provided Directly accessible from road Abut on road	M/R N/A MR
2.	<b>Number, Width, Type &amp; Arrangement of Exits</b>			
	a. Number of staircases			
	<ul style="list-style-type: none"> <li>Upper floors</li> <li>Basement</li> </ul>	1 no.-Ancl. Bldg.	Provided	M/R
		1. Undercroft to platform- 3 no.'s	Provided	M/R
		2. Platform to concourse 7 no.'s+ 02 Escalator		
		3. Concourse to Ground 3 no.'s+02 escalator		
	b. Width of staircases			
	<ul style="list-style-type: none"> <li>Upper floors</li> <li>Basements</li> </ul>	125 cms	Provided	M/R
		1. 1.25 (03 no.'s)	Provided	M/R
		2. 4.2 m (02 no.'s)+3.0m (02 no.'s)+1.25m (03 no.'s), + escalator - 01m (02 no.'s)		
		3. 4.7m (01 no.), +3.4m (01 no.), + 1.25M (01no.), + escalator -01M (02 no.'s)		
	c. Protection of exits			
	<ul style="list-style-type: none"> <li>Fire/smoke check door</li> <li>Pressurization</li> </ul>	Required	Provided	MR
	d. No. of continuous staircases to terrace	Required in fireman & emergency staircase	Provided	MR
	e. Width of Corridor	N/A	N/A	N/A
	f. Door Size	02 mtrs	Provided	MR
		1.30/.91 mtrs	Provided	MR
3.	<b>Compartmentation</b>			
	<ul style="list-style-type: none"> <li>Fire check door</li> <li>Sealing of electrical shafts</li> <li>Fire Rating of shaft door</li> <li>Water Curtain</li> <li>Fire Dampers</li> </ul>	Required	Provided	MR
		Required	Provided	MR
		30 mnts & 03 hrs	Provided	MR
		N/A	N/A	N/A
		Required	Provided	MR
4.	<b>Smoke Management System</b>			
	<ul style="list-style-type: none"> <li>Basements</li> </ul>	Required	Provided	MR
	<ul style="list-style-type: none"> <li>Upper floor</li> </ul>	N/A	N/A	N/A
5.	<b>Fire Extinguishers</b>			
	<ul style="list-style-type: none"> <li>Total numbers</li> <li>Types</li> <li>IS marking</li> </ul>	100 No.'s ABC/CO <sub>2</sub> type ISI marked	Provided	M/R
			Provided	M/R
			Provided	M/R

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Underground Metro Station comprised of Concourse level, Platform level, Undercroft level & ancillary bldg. (ground plus one upper floor).

<b>6.</b>	<b>First-Aid Hose Reels</b>			
	<ul style="list-style-type: none"> <li>Total numbers on each floor</li> <li>Length of hose reel hose</li> <li>Nozzle diameter</li> </ul>	01 no. in ancillary bldg., 11 no.'s at CL, 10 no.'s at PL 30 mtrs 6 mm	Provided	M/R
			Provided	M/R
			Provided	M/R
<b>7.</b>	<b>Automatic fire detection and alarming system</b>			
	<ul style="list-style-type: none"> <li>Type of detectors smoke/heat</li> <li>Location of Main Panel</li> <li>Location of Repeater Panel</li> <li>Alternate source of power</li> <li>Hooters' Location</li> </ul>	Required Stn. Control room Required Required Required	Provided Provided Fireman S/case Provided All areas	MR MR MR MR 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>			
	<ul style="list-style-type: none"> <li>Basement</li> <li>Ground Floor</li> <li>Sprinkler above false ceiling</li> </ul>	Undertrack MVW nozzle + Store rooms at CL & PL N/A N/A	Provided N/A N/A	MR N/A N/A
<b>11.</b>	<b>Internal Hydrants</b>			
	<ul style="list-style-type: none"> <li>Size of riser/down-comer</li> <li>Number of hydrants per floor</li> <li>Hose Box</li> </ul>	150 mm 01 no. in ancillary bldg., 11 no.'s at CL, 10 no.'s at PL 01 no. in ancillary bldg., 11 no.'s at CL, 10 no.'s at PL	Provided Provided Provided	MR MR MR
<b>12.</b>	<b>Yard Hydrants</b>			
	<ul style="list-style-type: none"> <li>Total number of hydrants</li> <li>Hose Box</li> </ul>	02 no. in ancillary bldg. 02 no. in ancillary bldg.	Provided Provided	MR MR
<b>13.</b>	<b>Pumping Arrangements</b>			
	<ul style="list-style-type: none"> <li>Ground Level <ul style="list-style-type: none"> <li>Discharge of main Pump</li> <li>Head of Main pump</li> <li>Number of main pumps</li> <li>Jockey Pump out put</li> <li>Jockey pump head</li> <li>Standby Pump out put (Electrical)</li> <li>Standby Pump Head</li> <li>Auto Starting/Manual Stopping</li> </ul> </li> <li>Pump House Access</li> <li>Terrace level <ul style="list-style-type: none"> <li>Discharge of pump</li> <li>Head of the pump</li> <li>Power Supply</li> <li>Auto Starting of pump</li> </ul> </li> </ul>	2839 LPM 88 mtrs & 56 mtrs Two 189 LPM (02 no.'s) 88 mtrs & 56 mtrs 2839 LPM (02 no.'s) 88 mtrs & 56 mtrs Required Required N/A N/A N/A N/A	Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided N/A N/A N/A N/A	MR MR MR MR MR MR MR MR MR MR N/A N/A N/A N/A
<b>14.</b>	<b>Captive Water Storage for fire fighting</b>			
	<ul style="list-style-type: none"> <li>Underground tank capacity <ul style="list-style-type: none"> <li>Draw-off connection</li> <li>Fire service inlet</li> <li>Access to tank</li> </ul> </li> <li>Overhead Tank capacity</li> </ul>	N/A Required Required Required 2,00,000 ltrs	N/A Provided Provided Provided Provided	N/A M/R M/R M/R M/R
<b>15.</b>	<b>Exit Signage.</b>	Required	Provided	M/R
<b>16.</b>	<b>Provision of Lifts</b>			

7.	<b>Automatic fire detection and alarming system</b>	<ul style="list-style-type: none"> <li>Type of detectors smoke/heat</li> <li>Location of Main Panel</li> <li>Location of Repeater Panel</li> <li>Alternate source of power</li> <li>Hooters' Location</li> </ul>	Required Stn. Control room	Provided	MR
			Required	Provided	MR
			Required	Fireman S/case	MR
			Required	Provided	MR
			Required	All areas	MR
8.	<b>MOEFA</b>		Required	Provided	MR
9.	<b>Public Address System</b>		Required	Provided	MR
10.	<b>Automatic Sprinkler System</b>				
	<ul style="list-style-type: none"> <li>Basement</li> <li>Ground Floor</li> <li>Sprinkler above false ceiling</li> </ul>	Undertrack MVW nozzle + Store rooms at CL & PL	Provided	MR	
		N/A	N/A	N/A	
		N/A	N/A	N/A	
11.	<b>Internal Hydrants</b>				
	<ul style="list-style-type: none"> <li>Size of riser/down-comer</li> <li>Number of hydrants per floor</li> <li>Hose Box</li> </ul>	150 mm	Provided	MR	
		01 no. in ancillary bldg., 11 no.'s at CL, 10 no.'s at PL	Provided	MR	
		01 no. in ancillary bldg., 11 no.'s at CL, 10 no.'s at PL	Provided	MR	
12.	<b>Yard Hydrants</b>				
	<ul style="list-style-type: none"> <li>Total number of hydrants</li> <li>Hose Box</li> </ul>	02 no. in ancillary bldg.	Provided	MR	
		02 no. in ancillary bldg.	Provided	MR	
13.	<b>Pumping Arrangements</b>				
	<ul style="list-style-type: none"> <li>Ground Level <ul style="list-style-type: none"> <li>Discharge of main Pump</li> <li>Head of Main pump</li> <li>Number of main pumps</li> <li>Jockey Pump out put</li> <li>Jockey pump head</li> <li>Standby Pump out put (Electrical)</li> <li>Standby Pump Head</li> <li>Auto Starting/Manual Stopping</li> </ul> </li> </ul>	2839 LPM	Provided	MR	
		88 mtrs & 56 mtrs	Provided	MR	
		Two	Provided	MR	
		189 LPM (02 no.'s)	Provided	MR	
		88 mtrs & 56 mtrs	Provided	MR	
		2839 LPM (02 no.'s)	Provided	MR	
		88 mtrs & 56 mtrs	Provided	MR	
		Required	Provided	MR	
	<ul style="list-style-type: none"> <li>Pump House Access</li> </ul>	Required	Provided	MR	
	<ul style="list-style-type: none"> <li>Terrace level <ul style="list-style-type: none"> <li>Discharge of pump</li> <li>Head of the pump</li> <li>Power Supply</li> <li>Auto Starting of pump</li> </ul> </li> </ul>	N/A	N/A	N/A	
		N/A	N/A	N/A	
		N/A	N/A	N/A	
		N/A	N/A	N/A	
		N/A	N/A	N/A	
14.	<b>Captive Water Storage for fire fighting</b>				
	<ul style="list-style-type: none"> <li>Underground tank capacity <ul style="list-style-type: none"> <li>Draw-off connection</li> <li>Fire service inlet</li> <li>Access to tank</li> </ul> </li> <li>Overhead Tank capacity</li> </ul>	N/A	N/A	N/A	
		Required	Provided	M/R	
		Required	Provided	M/R	
		Required	Provided	M/R	
		2,00,000 ltrs	Provided	M/R	
15.	<b>Exit Signage.</b>	Required	Provided	M/R	
16.	<b>Provision of Lifts.</b>				
	<ul style="list-style-type: none"> <li>Pressurization of Lift Shaft</li> <li>Pressurization of Lift lobby</li> <li>Communication In lift Car</li> <li>Fireman's Grounding Switch</li> <li>Lift Signage</li> </ul>	N/A	N/A	N/A	
		N/A	N/A	N/A	
		Required	Provided	M/R	
		Required	Provided	M/R	
		Required	Provided	M/R	

Siva

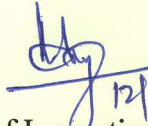
N/11

Underground Metro Station comprised of Concourse level, Platform level, Undercroft level & ancillary bldg. (ground plus one upper floor).


17.	Standby power supply	Required	Provided	M/R
18.	<b>Refuge Area.</b>			
	➤ Total Area	N/A	N/A	N/A
	➤ Location	N/A	N/A	N/A
19.	<b>Fire Control Room</b>			
	<ul style="list-style-type: none"> <li>• Detector System Panel</li> <li>• Flow Switch Panel</li> <li>• PA System Panel</li> <li>• Battery backup</li> <li>• Building Floor Plans</li> </ul>	Required in SCR	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
		Required	Provided	M/R
20.	<b>Special Fire Protection System for Protection of special Risks, if any:</b>	Clean agent flooding system for Transformer & LT Panels	Provided	MR

The fire protection systems provided in the building were tested, checked and found functional at the time of inspection. The shortcomings pointed out by this department vide letter no. F.6/DFS/MS/2018/471 dated 05.02.2018 has been rectified. ✓

Keeping in view of the above compliance of the minimum standards of fire prevention and fire safety measures under rule 35 of the Delhi Fire Service Rules 2010, Fire Safety Certificate is recommended.

  
12/3/18

Signature of Inspecting Officer  
Name:- M.K. Chattopadhyay  
Designation:- Divisional Officer

  
08/3/18

Signature of Inspecting Officer  
Name:- Sandeep Duggal  
Designation:- Asstt. Divisional Officer

155/DO(SO)  
12/03/18