

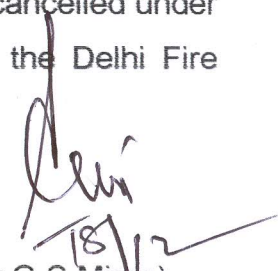
NO. F6/DFS/MS/2013/SZ/ 1320

DATED: 18/12/13

FIRE SAFETY CERTIFICATE

Certified that the Delhi Metro Rail Corporation Ltd. Underground Metro Station at Sector-21, Dwarka New Delhi comprised of basement plus ground floor except PD area (upper floor) owned / occupied by Delhi Metro Rail Corporation Ltd was granted NOC by this department vide Letter No: F6/DFS/MS/2010/3041 DATED 28.10.2010 have complied with the fire prevention and fire safety requirements in accordance with rule 33 of the Delhi Fire Service, 2010 and verified by the officers concerned of this department on 12.11.2013 in presence of Shri Parvesh Kumar and Shri Haridas, Fire Inspector, DMRC and the fire safety norms as required under rule 33 of Delhi Fire Service Rules, 2010 are deemed complied with and that the building / premises is fit for occupancy class Assembly building, subdivision D-7, with effect from ..18/12/13...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. Subject to conditions as mentioned below.

Issued on18/12/13..... at New Delhi by


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

Copy to,

1. Mr. Rajesh Agrawal, DGM/E&M, DMRC, Train Depot Shastri Park, East Approach Road, Delhi -110053

Conditions for the validity of fire safety certificate

- a. All the fire safety and means of escape facilities shall be maintained in good working conditions at all time. Any lapse rendering fire safety or means of evacuation facilities rendering non-functional shall be the responsibility of the management.
- b. Building Sanctioning authority may verify any deviation with regard to the construction/occupancy in the building. In case of any deviation, the fire safety certificate stands null and void.
- c. The staffs shall be trained for operating fire fighting system and mock evacuation drills be conducted at regular intervals and record be maintained.
- d. The basement shall be used strictly as per the provisions of Building Bye laws.
- e. 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

INSPECTION REPORT

1	Name & address of the building	Dwarka Sec-21, Metro Station.
2	Type of Occupancy	Assembly (D-7)
3	Type of case	Renewal
4	Details of previous NOC	F6/MS/DFS/2010/3046 Dated. 28.10.2010
5	Fire safety directives letter No	N/A
6	Date of inspection	12.11.2013
7	Name of the inspecting Officers :	DO Shri Sanjay tomar & ADO Shri Satpal Bhardwaj
8	Name and designation of officers from the building side	Shri Parvesh Kumar & Shri Hari Daas Fire Inspector from DMRC
9	Year of construction	2010
10	Applicant's letter No.	DMRC/O&M/Fire/NOC/L-3/2013/57 Dated 24.10.2013

S. NO.	Minimum Standards on fire prevention and fire safety U/R 33	NBC Requirement	Provided at site	Remarks MR / NMR
1	Access to building			
	1) Road width	9 Meters	10 Meters	MR
	2) Gate width	5 Meters	06 Meters	MR
	3) Width of internal road	-	06 Meters	MR
2	Number, width Type & arrangement of exits			
	a. Number of staircases			
	1. Upper floors	Old Case	12 (Gnd.to 2nd floor-02 Nos.and Gnd.to Terrace-10Nos.)	MR
	2. basements	Old Case	08 Nos. (from platform to concourse at Ground)	MR
	b. Width of staircase			
	1. Upper floors	1.5 Meters	1.5 Meters	MR
	2. basements	2 Meters	3.6 Meters (on platform No.1) rest 2.2 Mtrs. Each.	MR
	c. Protection of exits			
	1. Fire check door	Required	Provided	MR
	2. Pressurization	Required	Provided	MR
	d. No. of continuous staircase to terrace			
	e. Width of corridor	N/A	N/A	N/A
	f. Door size	1 Mtr.	1 Mtr. Provided	MR
3	Compartmentation.			
	1. Fire check door	Required	Provided	MR
	2. Sealing of electrical shafts	Required	Provided	MR
	3. Fire Rating of shaft door	2 Hrs	2 Hrs	MR
	4. water curtain	-	-	-
	5. Fire dampers	Required	Provided	MR
4	Smoke Management system.			
	basement	Required	Provided	MR
	upper floors	-	Vacant (PD area)	-
5	Fire Extinguishers			
	total numbers	60	75 Nos. Provided	MR

6	First-Aid Hose Reels.			
	total numbers on each floor	One on each floor	03 Nos On each platform	MR
	Length of Hose reel hose	30 M	Provided	MR
	Nozzle Diameter	5 mm	Provided	MR
7	Automatic fire detection and alarming system			
	Type of detectors	Smoke / Heat	Provided	MR
	location of Main Panel	SCR	Station control room	MR
	location of Repeater panel	Fireman's Stair	Provided	MR
	Alternate source of power	DG Set	DG Set Provided	MR
	hooter's location	At all locations	Provided	MR
8	MOEFA	Required	Provided	MR
9	Public Address System.	Required	Provided	MR
10	Automatic Sprinkler System.			
	basement	Required at platform	Provided	MR
	upper floors	-	Vacant (PD area)	-
	sprinkler above false ceiling	Old Case	Nil	-
11	Internal Hydrants			
	Size of riser/down-corner	100 mm	100 mm	
	Number of Hydrants per floor	Required	04 Nos. on concourse level, 12 Nos. on all platform	MR
	hose Box	Required	Provided	MR
12	Yard Hydrants.			
	total number of hydrants	Required	08 Nos. provided	MR
	hose box	Required	Provided	MR
13	Pumping arrangements			
	1. Ground level			
	a. Discharge of main Pump	2850 LPM	Provided	MR
	b. Head of main pump	70 M	Provided	MR
	c. Number of main pumps	01 Hyd & 01 Spk	Provided	MR
	d. jockey pump out put	2 X 180 LPM	Provided	MR
	e. jockey pump head	70 M	Provided	MR
	f. Standby Pump output	2 X 2850 LPM	Provided	MR
	g. Stanby Pump head	70 M	Provided	MR
	h. Auto Starting/Manual stopping	Required	Provided	MR
	pump house access			
	2. Terrace level			
	a. Discharge of pump	N/A	N/A	N/A
	b. head of the pump	N/A	N/A	N/A
	c. Power supply	N/A	N/A	N/A
	d. Auto starting of pump	N/A	N/A	N/A
14	Captive water storage for fire fighting			
	1. Underground tank capacity	At ground level	2,00,000 Ltrs.	MR
	a. Draw-off connection	Required	Provided	MR
	b. fire service inlet	Required	Provided	MR
	c. Access to tank	Required	Provided	MR
	Over head tank Capacity	N/A	N/A	N/A
15	Exit Signage.	Required	Provided	MR
16	Provision of lifts.			
	a. Pressurization of lift shaft	N/A	N/A	N/A
	b. pressurization of lift lobby	N/A	N/A	N/A
	c. communication in lift car	Required	Provided	MR
	d. Fireman's grounding switch	Required	Provided	MR
	e. Lift signage	Required	Provided	MR
17	Standby power supply	Required	Provided	MR

N/A

18	Refuge Area.			
	total area	N/A	N/A	N/A
	location	N/A	N/A	N/A
19	Fire control room			
	a. Detector system Panel	Required	Provided in SCR	MR
	b. Flow switch Panel	Required	Provided	MR
	c. PA system Panel	Required	Provided	MR
	d. Battery backup	Required	Provided	MR
	e. Building floor plans	Required	Provided	MR
20	Special Fire Protection System for Protection of special Risks, if any:	Argonite gas flooding system protection provided for ASS, Telecom Equipment room CTER, SER & S & T UPS rooms		

The fire protection systems provided in the building were checked and found functional at the time of inspection. Property development area shall be inspected as and when developed.

Keeping in view the substantial compliance of the minimum standards on fire prevention and fire safety required under the rules it is recommended to renew Fire Safety Certificate for station area only under rules 35 of the Delhi Fire Service Rules 2010.

Accordingly DFA is put up for your approval and signature please.



Signature of the Inspecting Officer

Name Sanjay Tomer

Designatio DO (South West)



Signature of the Inspecting Officer

Name S.P. Bhardwaj

Designation ADO (Dwarka)