

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

No. F.6/DFS/MS/Assembly/SZ/2017/ 1451

Dated: 06/10/17

FIRE SAFETY CERTIFICATE

Certified that the **Okhla NSIC Metro Station of Line 8 (Janak Puri West to Kalindi Kunj Section)**, comprising of Two Blocks: Station Building (Basement, Ground, Mezzanine & 4 Upper Floors) & Residential Building (Basement, Ground & 8 Upper Floors). The Metro Station running at Mezzanine & 2 Upper Floors (i.e. Concourse & Platform) in Station Building was inspected by the officer concerned of this department on 16/08/2017 in the presence of Mr. Parvez Ahmed (Dy. CEE) and found that the said Metro Station building **excluding Basement & PD Area (at Ground, 3rd & 4th Floor)** 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 D-7 Assembly building**" with effect from ~~16/10/17~~ 2017 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.

Issued on.....6/10/17.....at New Delhi by.


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

Copy to:-

1. The CEE/RC-2, Delhi Metro Rail Corporation Ltd., Ground Floor, Airport Metro Station, Dhaula Kuan, New Delhi-110021.
2. Director Projects, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

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 www.dfs.delhigovt.nic.in
5. This fire safety certificate may not in any way be treated as regularization of unauthorized construction, 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."
7. The owner/occupier shall apply separately for FSC of Basement & PD Area (at Ground, 3rd & 4th Floor) in Station Building and of Residential Building prior to its occupation.

INSPECTION REPORT

1. Name & address of the building : Okhla NSIC Metro Station of Line 8 (Janak Puri West to Kalindi Kunj Section)
2. Type of Occupancy : Assembly- Group-“D”
3. Type of Case : New [Metro Station is running at Mezzanine & 2 Upper Floors
4. Details of Previous NOC : NA i.e. Concourse & Platform in Station Building]
5. Fire Safety directives letter No : F6/DFS/MS/2016/BP/05 dated 12/08/2016
6. Date of inspection : 22/09/2017 [Two Blocks: Station Building (Basement + Ground +
7. Name of Inspecting Officer : A. K. Malik Mezzanine + 4 Upper Floors) & Residential Building
8. Name and designation of officer (Basement+ Ground + 8 Upper Floors)]
from the building side : Mr. Parvez Ahmed (Dy. CEE)
9. Year of Construction : 2017
10. Applicant's letter No. : DMRC/CGME/RC-2/E&M dated 12/09/2017 outdoor diary no. 11171 dated 13/09/2017

S. No.	Minimum Standards on fire prevention and fire safety U/R 33	BBL/NBC 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 	12m 4.5m 6m	Provided Abut on Road Provided	MR MR MR
2.	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases			
	<ul style="list-style-type: none"> Upper Floors Basements 	Mazannine to Ground Floor: 3 Nos Concourse to Ground Floor: 6 Nos Platform to Concourse : 8 Nos NA	Provided NA	MR NA
	b. Width of staircases			
	<ul style="list-style-type: none"> Upper Floor Basements 	2m & 1.5m	Mezzanine to Ground Floor: 1.5m, 2.1m, 2.3m Concourse to Ground Floor: 2.1m, 3m, 2.1m, 2.3m, 2m, 1.5m Platform to Concourse : 4.7m, 3.7m, 2.3m, 2.3m, 2.1m, 2.3m, 2m, 1.5m NA	MR MR MR NA
	c. Protection of exits			
	<ul style="list-style-type: none"> Fire check door Pressurization 	Required NA Two	Provided NA Two	MR NA MR
	d. No. of continuous staircases to terrace	NA	NA	NA
	e. Width of Corridor	2m & 1.5m	Provided	MR
	f. Door Size			
3.	Compartmentation			
	<ul style="list-style-type: none"> Fire check door Sealing of electrical shafts Fire Rating of shaft door 	Required in Technical Rooms Required Required	Provided Provided Provided	MR MR MR



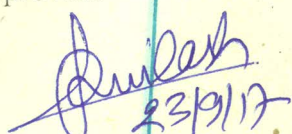
	• Fire Dampers	NA	NA	NA
4.	Smoke Management System			
	• Basements	NA	NA	NA
	• Upper floors	NA	NA	NA
5.	Fire Extinguishers			
	• Total numbers	36 No's	Provided	MR
	• Types	W.CO2/CO2	18/18	MR
	• IS marking	ISI marked	Yes	MR
6.	First-Aid Hose Reels			
	• Total numbers on each floor	4 Nos at concourse & 5 Nos on Platform	Provided	MR
	• Length of hose reel hose	45m	Provided	MR
	• Nozzle diameter	5mm	Provided	MR
7.	Automatic fire detection and alarming system			
	• Type of detectors	Smoke & Heat	Provided	MR
	• Location of Main Panel	Station Control Room	Provided	MR
	• Location of Repeater Panel	NA	NA	NA
	• Alternate source of power	Required	Provided	MR
	• Hooters' Location	All Area	Provided	MR
8.	MOEFA	Required	Provided	MR
9.	Public Address System	Required	Provided	MR
10.	Automatic Sprinkler System			
	• Basement	NA	NA	NA
	• Ground & Above Floor	Required at Mezzanine Floor	Provided	MR
	• Sprinkler above false ceiling	NA	NA	NA
11.	Internal Hydrants			
	• Size of riser/down-comer	100mm	Provided	MR
	• Number of hydrants per floor	4 Nos at concourse & 5 Nos on Platform	Provided	MR
	• Hose Box	4 Nos at concourse & 5 Nos on Platform	Provided	MR
12.	Yard Hydrants			
	• Total number of hydrants	14 Nos	Provided	MR
	• Hose Box	14 Nos	Provided	MR
13.	Pumping Arrangements			
	• Ground Level			
	➤ Discharge of main Pump	2850 LPM	Provided	MR
	➤ Head of Main pump	70m	Provided	MR
	➤ Number of main pumps	Two	Provided	MR
	➤ Jockey Pump out put	180 LPM	Provided	MR
	➤ Jockey pump head	70m	Provided	MR
	➤ Standby Pump out put	2850 LPM(electric)	Provided	MR
	➤ Standby Pump Head	70m	Provided	MR
	➤ Auto Starting/Manual Stopping	Required	Provided	MR
	➤ Pump House Access	Required	Provided	MR
	• Terrace level			
	➤ Discharge of pump	NA	NA	NA
	➤ Head of the pump	NA	NA	NA
	➤ Power Supply	NA	NA	NA
	➤ Auto Starting of pump	NA	NA	NA
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 	1,00,000 Lts	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		Required	Provided	MR
		25,000 Lts	Provided	MR
15.	Exit Signage.	Required	Provided	MR
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 	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
17.	Standby power supply	NA	NA	NA
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 Flow Switch Panel PA System Panel Batter backup Building Floor Plans 	NA	Provided	NA
		NA	NA	NA
		NA	Provided	NA
		NA	Provided	NA
		NA	Provided	NA
20.	Special Fire Protection System for Protection of special Risks, if any:	Gas Flooding in HT, LT panel, LT distribution board and essential power panels and other such major panels.	Provided	MR

The fire protection systems provided in the station building **excluding Basement & PD Area (at Ground, 3rd & 4th Floor)** were randomly tested, checked and found functional at the time of inspection. DMRC vide letter mentioned above undertook to comply the shortcomings from Sr. no 2 to 7 prior to occupation of PD Area communicated vide letter no. F6/DFS/MS/Assembly/SZ/2017/2124 dated 16/08/2017 and same may be accepted. DMRC vide letter mentioned above informed that they have rectified the width of the staircases up to the minimum requirement which also meets the evacuation requirement as per NBC-2016 and same may be accepted.

Keeping in view of the deemed compliance of the minimum standards of fire prevention and fire safety measures as required under the rules, It is recommended to grant Fire Safety Certificate to the said **Metro Station building excluding Basement & PD Area (at Ground, 3rd & 4th Floor)** under rule 35 of the Delhi Fire Service Rules 2010.

In view of above DFA already put up at C/31 may be approved.


 Signature of Inspecting Officer
 Name: A. K. Malik
 Designation: DC (SO)

Dy. CFO (SZ)

