

**GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI
HEADQUARTERS: DELHI FIRE SERVICE: NEW DELHI-110001**

NO. F6/DFS/MS/2016 / metro / W2 / 731

Dated: 09/05/2016

FIRE SAFETY CERTIFICATE

Certified that **Delhi Metro Rail Corporation Ltd at Mukundpur Depot (Phase- III DMRC) Workshop Shed & Inspection Bay Shed** comprised of **Ground Floor Only** owned / occupied by **Delhi Metro Rail Corporation Ltd** have complied with the fire prevention and fire safety requirement in accordance with Rule 33 of the Delhi Fire Service Rules, 2010 and verified by the officer concerned of fire service on **27/04/2016** in the presence of **Sh. Rajesh Chaturvedi (Chief Elec. Eng.)** and that the building / premises is fit for occupancy **Storage Building** with effect from **09/05/2016** for 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.

Following fire safety directives must be adhered to:-

- 1) All the fire safety arrangement provided there in shall be maintained in good working conditions at all time.
- 2) Loss of life or property due to non-functional fire safety measure shall be at the responsibility of the management.
- 3) The trained fire fighting staff should be available round the clock.
- 4) Any deviation, with regards to construction etc shall be verified by the concerned building sanctioning agency.
- 5) This certificate cannot be treated in any case for regularizations of unauthorized construction unauthorized use of land if any.
- 6) The means of escape shall always be kept unobstructed and readily available for free movement of occupants in case of an emergency.
- 7) The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director of 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. This is available on www.dfs.delhigovt.nic.in

Issued on 09/05/16 at New Delhi by


(Dr. G. C Misra)

Director

Ph: 011-23414000

Copy to:-

1. Sh. Amit Sengar, Addl. General Manager/PS-1, Project Office: Chief Electrical Engineer/PS-1, 9/11, Mall Road, Delhi – 110054.

INSPECTION REPORT

(Ground Level Only)

1. Name & address of the building: Mukundpur Depot (Phase – III DMRC) (Workshop Shed & Inspection Bay Shed) Ground Floor only
2. Type of Occupancy : **Storage Building**
3. Type of Case : New Case
4. Details of previous NOC : nil
5. Fire Safety directives letter No : F6/DFS/MS/BP/2015/90 Dated 27/03/2015
F6/DFS/MS/BP/2015/2750 dated 31.12.2015
6. Date of inspection : 27/04/2016
7. Name of the Inspecting Officers : Sh. SS Tuli, DO (NW) & Sh. Rajesh Kumar ADO (RN)
8. Name and designation of officers
from the building side : Sh. Rajesh Chaturvedi (Chief Elec. Eng.)
9. Year of Construction : 2015
10. Applicant's letter No. : DMRC/CEE/PS1/CE-5 LOT-1/MUKP Depot/7 Pt-5 dated 18/04/2016

Workshop Shed – 6790 m² & Inspection shed - 4661 m²

	Minimum Standards on fire prevention and fire safety U/R 33	As directives letter dated 27/03/2015 & letter dt 31/12/2015	Provided at site	Remarks MR/NMR
1	Access to building			
	• Road width	10 mtr	10m	M/R
	• Gate width	5 m	7m&9m	M/R
	• Width of internal road	NA	6m	NA
2	Number, Width, Type & Arrangement of Exits			
	a. Number of staircases	NA	NA	NA
	• Upper Floors	NA	NA	NA
	• Basements	NA	NA	NA
	b. Width of staircases	NA	NA	NA
	• Upper Floors	NA	NA	NA
	• Basements	NA	NA	NA
	c. Protection of exits	NA	NA	NA
	• Fire check door	NA	NA	NA
	• Pressurization	NA	NA	NA
	e. No. of continuous staircases to terrace / platform	NA	NA	NA
	g. Width of Corridor	NA	NA	NA
	h. Door Size	NA	NA	NA

3	Compartmentation.			
	<ul style="list-style-type: none"> • Fire check door • Sealing of electrical shafts • Fire Rating of shaft door • Water Curtain • Fire Dampers 	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
		NA	NA	NA
4	Smoke Management System.			
	<ul style="list-style-type: none"> • Basements • Upper floors 	30 a/c per hour	NA	NA
		12 a/c per hour	Natural Ventilated	MR
5	Fire Extinguishers			
	<ul style="list-style-type: none"> • Total numbers • Types • IS marking 	One at 300 m ²	33	M/R
			14 ABC Type, 14 - Co2 type 4.5 kg, 01 - Co2 22.5 kg & 04 - WCO2 type 9 ltr	M/R
		ISI marked	Yes	M/R
6	First-Aid Hose Reels.			
	<ul style="list-style-type: none"> • Total numbers on each floor • Length of hose reel hose • Nozzle diameter 	12 no's	12	MR
		30 m	P	MR
		30 m	P	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 • Hooters' Location 	R	P	MR
		R	P	MR
		NA	NA	NA
		R	P	MR
		R	P	MR
8	MOEFA	NA	NA	NA
9	Public Address System.	NA	NA	NA
10	Automatic Sprinkler System.			
	<ul style="list-style-type: none"> • Basement • Upper Floor • Sprinkler above false ceiling 	NA	NA	NA
		NA	NA	NA
		NA	NA	NA
11	Internal Hydrants			
	<ul style="list-style-type: none"> • Size of riser/down-comer • Number of hydrants per floor • Hose Box 	100 mm	P	MR
		Workshop shed 8 no's Inspection Shed 4 no's	P	MR
		Workshop shed 8 no's Inspection Shed 4 no's Inspection Shed 4 no's	P	MR

12	Yard Hydrants.			
	<ul style="list-style-type: none"> Total number of hydrants 	NA	Workshop shed 8 no's Inspection Shed 4 no's	NA
	<ul style="list-style-type: none"> Hose Box 	NA	Workshop shed 8 no's Inspection Shed 4 no's	NA
13	Pumping Arrangements.			
	<ul style="list-style-type: none"> Ground Level 			
	➤ Discharge of main Pump	NA	2850 LPM	NA
	➤ Head of Main pump	NA	90 mtr	NA
	➤ Number of main pumps	NA	02 no's	NA
	➤ Jockey Pump out put	NA	180 LPM	NA
	➤ Jockey pump head	NA	90 mtr	NA
	➤ Standby Pump out put	NA	2850 LPM	NA
	➤ Standby Pump Head	NA	90 mtr	NA
	➤ Auto Starting/ Manual stopping	NA	NA	NA
	➤ Pump House Access	NA	NA	NA
	<ul style="list-style-type: none"> 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 	NA	2,00, 000 ltr	NA
	➤ Draw-off connection	NA	P	NA
	➤ Fire service inlet	NA	P	NA
	➤ Access to tank	NA	P	NA
	<ul style="list-style-type: none"> Overhead Tank capacity 	NA	NA	NA
15	Exit Signage.	R	P	MR
16	Provision of Lifts.			
	<ul style="list-style-type: none"> Pressurization of Lift Shaft 	NA	NA	NA
	<ul style="list-style-type: none"> Pressurization of Lift lobby 	NA	NA	NA
	<ul style="list-style-type: none"> Communication In lift Car 	NA	NA	NA
	<ul style="list-style-type: none"> Fireman's Grounding Switch 	NA	NA	NA

N/A

	• Lift Signage	NA	NA	NA
17	Standby power supply	R	P	MR
18	Refuge Area.			
	➤ Total Area	NA	NA	NA
	➤ Location	NA	NA	NA
19	Fire Control Room at concourse level			
	• Detector System Panel	NA	NA	NA
	• Flow Switch Panel	NA	NA	NA
	• PA System Panel	NA	NA	NA
	• Batter backup	NA	NA	NA
	• Building Floor Plans	NA	NA	NA
20	Special Fire Protection Systems for Protection of special Risks, if any:	NA	NA	NA

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

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,

Signature of the Inspecting Officer

Name S. S. Tuli

Designation DO/NWD

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29/4/16

Signature of the Inspecting Officer

Name Rajesh Kumar

Designation ADO/RN

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Director
[Handwritten initials]

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93/DC/10/103
21/8/16