

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

No. F6/DFS/MS/DMRC/NDZ/2023/ 58

Dated: 06/02/2023

FIRE SAFETY CERTIFICATE

Certified that the **Kashmere Gate Underground Metro Station (Line-6)** located at **Near Kashmere Gate Delhi** comprised of **Ground floor with two Basements/Platform/Concourse & Ancillary building**. The metro station was granted FSC by this department vide letter No.F6/DFS/MS/NDZ/2020/48 dated 17.01.2020. The premise was re-inspected by the officer concerned of this department on 31.01.2023 in the presence of Mr. Bhirgu Furkan (AM/Fire) of DMRC and found that the building has deemed complied with the prevention and fire safety requirements in accordance with Rule 33 of Delhi Fire Service Rules, 2010 and that the building/ premises is fit for occupancy of class "**Assembly Building (D-7)**", with effect from 06/02/2023 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 Delhi Fire Service Rules 2010, printed below.

Issued on 06/02/2023 at New Delhi by.


03/02/23
(S. K. Dua)

Dy. Chief Fire Officer
Delhi Fire Service
Tel: 011-23414262

Copy to:-

1. Mr. Vivek Shrivastava, JGM/E&M, DMRC Ltd., Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-01.

Conditions for the validity of Fire Safety Certificate:-

1. All the fire safety arrangements provided therein shall be maintained in good working condition at all times.
2. Any loss of life or property due to non functional fire safety measures shall be at the responsibility of the management.
3. The trained fire fighting staff should be available round the clock.
4. Any deviation w.r.t. construction etc. shall be verified by the concerned building sanctioning authority.
5. This fire safety certificate may not be treated in any case for regularization of unauthorized construction, if any.
6. 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.
7. The means of escape shall be kept unobstructed / unlocked for unhindered evacuation in case of an emergency.
8. The owner/occupier shall apply for renewal of this Fire Safety Certificate to the Director in form 'J' [sub Rule (I) of Rule 37] along with a copy of this Certificate, six month prior to its expiry. Any change in the occupancy shall be intimated to this Deptt. and approval shall be obtained thereto before occupancy of the same.

- N/8 -

INSPECTION REPORT

| | | |
|----|---|---|
| 1 | Name & address of the building | Kashmere Gate Underground Metro Station (Line-6), Delhi. |
| 2 | Type of occupancy with details of floors: | Assembly Building (D-7 as per NBC Part IV 2005) |
| 3 | Type of case | Renewal |
| 4 | Details of Previous FSC | 16/DIFS/MS/NDZ/2020/48 dated 17.01.2020 |
| 5 | Fire Safety direction letter no. | DMRC/12/D.Y.CA/L-601/KG/002 dated 28.11.2014 |
| 6 | Date of inspection | 31.01.2023 |
| 7 | Name of the inspecting officers | Sh. Sumit Kumar ADO(SPM) |
| 8 | Name of the designation of officer from the building side | Mr. Bhirgu Fukan (AM/Fire) |
| 9 | Year of construction | 2016-17 |
| 10 | Applicant's letter no. | DMRC/O&M/Fire/NOC/L-6/2023/01/01 dated 05.01.2023 |

| S.No | Minimum Standards on fire Prevention and fire safety requirements U/R 33 | Requirements as per NFPA | Provided at Site | Remarks MR/NM R |
|------|--|--|--|-----------------|
| 1 | Access to building | | | |
| | A Road width | 12 mtrs. | 30 mtrs. | MR |
| | B Gate width | On road | On road | MR |
| | C Width of internal road | N/A | N/A | N/A |
| 2 | Number, Width, Type and Arrangement of Exits | | | |
| | A Number of staircases | | | |
| | a Upper floor | N/A | N/A | N/A |
| | b Basement | 04 nos. Gr. to Concourse, Concourse to platform, undercroft to platform | Con. To Gr. 04 Plat. To Con. 04 U to platform - 02 | MR |
| | B Width of staircases | | | |
| | a Upper floor | N/A | N/A | N/A |
| | b Basement | C. G. 4800 mr (min. each) | C. G. 4800 mr (min. each) P.C. 2600 mr (min. each) | MR |
| | C Protection of exits | | | |
| | a Fire check door | Required | Provided | MR |
| | b Pressurization | Required | Provided | MR |
| | D No. of continuous staircases to terrace: | N/A | N/A | N/A |
| | E Width of corridor | 2.5 m | 2.5 m | MR |
| | F Door size | 2.0 m | 2.0 m | MR |
| 3 | Compartmentation | | | |
| | A Fire check door | Required | 2 hrs. & 4 hrs. | MR |
| | B Sealing of electrical shafts | Required | Provided | MR |
| | C Fire rating of shaft door | Required | 2 hrs. | MR |
| | D Water curtain | N/A | N/A | N/A |
| | E Fire dampers | Required | Provided | MR |
| 4 | Smoke Management System. | | | |
| | A Basement | 30 ACPH | As per Engg. Analysis | MR |
| | B Upper floor | 12 ACPH | (Subway encroachment simulation) & computational fluid dynamics | MR |

(Handwritten signatures)

-N/A-


| | | | | | |
|----|--|-----------------------------------|-----------------------------------|---|-----|
| 5. | Fire Extinguisher | | | | |
| | A | Total numbers | 91 nos. | 55 + 30 + 04 + 02 = 91 | MR |
| | B | Types | CO ₂ & ABC & water gas | 45 kg Co ₂ + 6 kg ABC + 91 water + 22.5 kg Co ₂ | MR |
| | C | ISI marking | Required | Provided | MR |
| 6 | First-Aid-Hose Reels. | | | | |
| | A | Total numbers of each floor | 24 nos. (08 nos. on each floor) | 08 no. on concourse 08 no. on platform 08 no. on undercroft | MR |
| | B | Length of hose reel hose | 30 mtrs. | 8x3 24 | MR |
| | C | Nozzle diameter | 05 mm | 30 mtr. 05 mm | MR |
| 7 | Automatic Fire Detection And Alarming System. | | | | |
| | A | Type of detectors (smoke type) | Required | Provided | MR |
| | B | Location of main panel | Concourse | Provided at Station (C.R) Concourse | MR |
| | C | Location of repeater panel | Required | FM staircase List (Lend) | MR |
| | D | Alternate source of power | Required | UPS Supply | MR |
| | E | Hooter's Location | Required | Concourse, platform, undercroft & Ancillary building | MR |
| 8 | MOEFA | | N/A | | |
| 9 | Public Address System | | Required | Provided | N/A |
| 10 | Automatic Sprinkler System | | | | |
| | A | Basement (under track Mov Nozzle) | Required | Provided | MR |
| | B | Upper floor | N/A | N/A | N/A |
| | C | Sprinkler above false ceiling | N/A | N/A | N/A |
| 11 | Internal Hydrants | | | | |
| | A | size of riser/down-comer | 150 mm | 150 mm | MR |
| | B | Number of hydrants per floor | Required | 07 + 09 = 16 | MR |
| | C | Hose box | Required | 07 + 09 = 16 | MR |
| 12 | Yard Hydrants. | | | | |
| | A | Total number of hydrants | 01 nos | 01 nos. | MR |
| | B | Hose box | 01 nos. | 01 nos. | MR |
| 13 | Pumping Arrangements. | | | | |
| | A | Ground Level | | | |
| | a | Discharge of main Pump | 2839 lpm | HYD 2839 lpm SPK 2839 lpm | MR |
| | b | Head of Main Pump | 50 m | HYD 90 m, SPK 56 m | MR |
| | c | Number of main pumps | 2 no. | HYD 01 nos. + standby 01 nos. | MR |
| | d | Jockey pump out put | 2 no. 180 lpm each | HYD 189 lpm SPK 189 lpm | MR |
| | e | Jockey pump head | 80 m | HYD 90 m SPK 56 m | MR |
| | f | Standby pump out put | 2839 lpm each | HYD 2839 lpm SPK 2839 lpm | MR |
| | g | Standby pump Head | Required | HYD 90 m SPK 56 m | MR |
| | h | Auto Starting /Manual stopping | Required | Jockey auto start/stop main standby manual off | MR |
| | B | 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 |

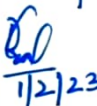

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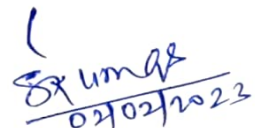

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|----|---|--------------------------------------|--------------|--|
| 14 | Captive Water Storage for Fire Fighting. | | | |
| | A | Underground tank capacity | 2,00,000 ltr | 02 overhead tank 1,00,000 ltr. each |
| | B | Draw-off connection | Required | Provided |
| | C | Fire service inlet | Required | Provided |
| | D | Access to tank | N/A | N/A |
| 15 | Exit Signage. | | Required | Provided |
| 16 | Provision of Lifts. | | | |
| | A | Pressurization of lift shaft | N/A | N/A |
| | B | Pressurization of lift lobby | N/A | N/A |
| | C | Communication in lift car | Required | Provided |
| | D | Firemen's grounding switch | Required | Provided |
| | E | Lift signage | Required | Provided |
| 17 | Standby Power Supply | | | |
| 18 | Refuge Area. | | | |
| | A | Total area | N/A | N/A |
| | B | Location | N/A | N/A |
| 19 | Fire Control Room | | | |
| | A | Detector system panel | Required | Provided |
| | B | Flow switch panel | Required | Provided |
| | C | PA system panel | Required | Provided |
| | D | Battery backup | Required | Provided |
| | E | Building floor plans | Required | Provided |
| 20 | Special Fire Protection Systems For Protection Of Special Risks, If Any: | | | |

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

Keeping view of the deemed compliance of minimum standards of fire prevention and fire safety measures as required under the Rules, the FSC issued vide letter no. F-6/DFS/MS/ND//2020/48 dated 17.01.2020 is recommended to be renewed under Rule 35 of the Delhi Fire Service Rules 2010.


 Signature of the Inspecting Officer
 Name Sumit Kumar
 Designation ADO (SPM)

DO (CD)

 1/2/23
 Dy. C.O. (ND2)
 F.T. please

 01/02

ADO (SPM)
 F.T. letter is put up for signature, please.

 02/02/2023
 Dy. C.O. (ND2)

 03/02/23
 F.P. wing