

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

No. F.6/DFS/MS/Mixed/2024/SZ/420

Dated: 01/07/2024

**FIRE SAFETY CERTIFICATE**

Certified that the **M/s Synergy Building of Indian Institute of Technology Delhi** located at Hauz Khas New Delhi 110016 comprised of **Ground plus Four upper floors**, owned/occupied by Indian Institute of Technology, Delhi was issued FSC by this department vide letter No. F6/DFS/MS/Mixed/2019/SZ/2061 dated 28/10/2019. The premise was re-inspected by the officer concerned of this department on 24/06/2024 in the presence of Mr. Ashok Kumar AE/Fire and observed that the premises have deemed complied with the fire prevention and fire safety requirements in accordance with rule 33 of Delhi Fire Service Rules, 2010 and that building is fit for occupancy **Mixed Occupancy (Assembly & Business)** with effect from 01/07/2024 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.

Issued 01/07/2024 at New Delhi by

  
(ATUL GARG)  
DIRECTOR  
DELHI FIRE SERVICE

Copy to: -

1. Mr. Rajeev Kumar, Synergy Building of Indian Institute of Technology Delhi located at Hauz Khas New Delhi 110016
2. The Executive Engineer (Bldg) Delhi Municipal Corporation, Green Park Zone, Delhi 110016.

**Conditions for the validity of Fire Safety Certificate:**

1. This FSC is not valid for restaurant potation at First Floor.
2. All the fire safety arrangement provided therein shall be maintained in good working condition at all time as seen during inspection.
3. Any Deviation, with regards to construction, ventilation, occupancy, electric installation etc. may be got verified from the concerned authorities.
4. All the staff members must know the correct method of operation of fire fighting system.
5. 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](http://www.dfs.delhigovt.nic.in)
6. This fire safety certificate may not in any way be treated as regularization (Clause 2.8 of UBBL-2016) of unauthorized construction or Alteration (Clause 1.4.3 of UBBL- 2016), if any.
7. "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."

## INSPECTION REPORT

|        |   |  |   |                |
|--------|---|--|---|----------------|
| 1      | Name & Address of the Building                              | M/s Synergy Building of IIT, Delhi Hauz Khas, New Delhi-110016 |   |                |
| 2      | Type of Occupancy   | Mixed Occupancy (Assembly & Business)                          |   |                |
| 3      | Building Comprised of                                       | Ground Plus 04 Upper Floors                                    |   |                |
| 4      | Type of Case  | Renewal  |   |                |
| 5      | Details of Previous NOC                                     | F6/DFS/MS/Mixed/2019/SZ/2061 dated 28/10/2019                  |   |                |
| 6      | Fire Safety Directives Letter No                            | 12 Base Point Performa at N-4                                  |   |                |
| 7      | Date of Inspection  | 24-06-2024   |   |                |
| 8      | Name of the Inspecting Officers                             | DO (South ) & ADO (BCP)  |   |                |
| 9      | Name & Designation of Officers from the building side       | Mr. Ashok Kumar AE/Fire  |   |                |
| 10     | Year of construction  | 1990   |   |                |
| 11     | Applicant letter No.  | Outdoor diary no 2971 dated 14/06/2024                         |   |                |
| S. No. | Minimum standards on Fire Prevention and Fire Safety U/R 33 | Old NOC requirements   | Provided at Site                              | Remarks MR/NMR |
| 1      | <b>Access to Building.</b>                                  |  |   |                |
|        | • Road width  | 06 mtr   | Provided                                      | MR             |
|        | • Gate width  | 4.5 mtr  | 2.30 mtr                                      | Old Case       |
|        | • Width of internal road                                    | -NA-   | -NA-  | -NA-           |
| 2      | <b>Number, width, type &amp; arrangement of exits.</b>      |  |   |                |
|        | <b>a) Number of Staircase</b>                               | 01 No  | 03 Nos Provided                               | MR             |
|        | ➤ Upper floors.   | -NA-   | -NA-  | -NA-           |
|        | ➤ Basement floor.   |  |   |                |
|        | <b>b) Width of Staircase</b>                                |  |   |                |
|        | ➤ Upper floors  | 1.25 mtr   | 1.25 m 0.90 m x 2 (iron)                      | MR (old case)  |
|        | ➤ Basement floor  | -NA-   | -NA-  | -NA-           |
|        | <b>c) Protection of exits</b>                               |  |   |                |
|        | ➤ Fire check door   | -NA-   | -NA-  | -NA-           |
|        | ➤ Pressurization  | -NA-   | -NA-  | -NA-           |
|        | <b>d) No. of continuous staircase to terrace</b>            | -NA-   | 01 Nos  | -NA-           |
|        | <b>e) Width of corridor</b>                                 | -NA-   | NA  | -NA-           |
|        | <b>f) Door size</b>   | -NA-   | GF-1.65m & 0.90 m x 2<br>GF-1.70m & 0.90m X 2 | Old case       |
| 3      | <b>Compartmentation.</b>                                    |  |   |                |
|        | • Fire check door.  | -NA-   | NA  | -NA-           |
|        | • Sealing of electrical shafts.                             | -NA-   | NA  | -NA-           |
|        | • Fire rating of shaft door.                                | -NA-   | NA  | -NA-           |
|        | • Water curtain   | -NA-   | NA  | -NA-           |
|        | • Fire dampers.   | -NA-   | NA  | -NA-           |
| 4      | <b>Smoke Management system.</b>                             |  |   |                |
|        | • Basement  | -NA-   | NA  | -NA-           |
|        | • Upper floors  | 12 ACPH  | Natural Ventilation                           | MR             |
| 5      | <b>Fire Extinguishers.</b>                                  |  |   |                |
|        | • Total numbers   | Required   | 43 Nos. Provided                              | MR             |
|        | • Types   | ABC, Co2 & W.Co2   | ABC, Co2 & W.Co2                              | MR             |
|        | • ISI Marking   | ISI marked   | Provided                                      | MR             |
| 6      | <b>First Aid Hose Reels.</b>                                |  |   |                |
|        | • Total numbers on each floor.                              | 01 Nos   | Provided                                      | MR             |
|        | • Length of hose-reel hose.                                 | 30 mtr   | Provided                                      | MR             |
|        | • Nozzle Diameter   | 5 mm   | Provided                                      | MR             |
| 7      | <b>Automatic fire detection &amp; alarming system.</b>      |  |   |                |
|        | • Type of detectors   | Smoke & Heat   | Provided                                      | MR             |
|        | • Location of Main Panel                                    | Required   | Ground Floor                                  | MR             |
|        | • Location of Repeater Panel                                | -NA-   | -NA-  | -NA-           |
|        | • Alternate source of power                                 | Required   | Provided                                      | MR             |
|        | • Hooter's location   | Required   | All Floor                                     | MR             |
|        |   | Required   | Provided                                      | MR             |
|        |   | Required   | Provided                                      | MR             |
| 8.     | <b>MOEFA</b>  |  |   |                |
| 9.     | <b>Public Address System</b>                                |  |   |                |
| 10.    | <b>Automatic Sprinkler System</b>                           |  |   |                |
|        | • Basement  | -NA-   | -NA-  | -NA-           |

|            |   |  |                               |      |
|------------|---|--|-------------------------------|------|
|            | <ul style="list-style-type: none"> <li>Upper floors</li> <li>Sprinkler above false ceiling</li> </ul>   | NA                                     | Provide in canteen at GF & FF | NA   |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>11.</b> | <b>Internal Hydrants.</b>   |  |                               |      |
|            | <ul style="list-style-type: none"> <li>Size of Riser/Down-comer</li> <li>Number of Hydrant per floor</li> <li>Hose box.</li> </ul>  | 100 mm                                 | Provided                      | MR   |
|            |   | 01                                     | Provided                      | MR   |
|            |   | 01                                     | Provided                      | 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>  | Required                               | 02 Nos. Provided              | MR   |
|            |   | Required                               | 02 Nos. Provided              | MR   |
| <b>13.</b> | <b>Pumping arrangements.</b>  |  |                               |      |
|            | <ul style="list-style-type: none"> <li><b>Ground Level</b></li> <li>Discharge of main pump.</li> <li>Head of main pump.</li> <li>Number of main pumps.</li> <li>Jockey Pump output.</li> <li>Jockey Pump head.</li> <li>Standby Pump output.</li> <li>Standby Pump head.</li> <li>Auto Starting / Manual Stopping.</li> <li>Pump house access.</li> </ul> | Common for academic & Synergy Building |                               |      |
|            |   | Required                               | 2400 LPM                      | MR   |
|            |   | Required                               | 70m                           | MR   |
|            |   | Required                               | 01Nos                         | MR   |
|            |   | Required                               | 250 LPM x 2                   | MR   |
|            |   | Required                               | 70m x 2                       | MR   |
|            |   | Required                               | 2400 LPM                      | MR   |
|            |   | Required                               | 70m                           | MR   |
|            |   | Required                               | Provided                      | MR   |
|            |   | Required                               | Provided                      | MR   |
|            | <ul style="list-style-type: none"> <li><b>Terrace Level</b></li> <li>Discharge of pump.</li> <li>Head of pump.</li> <li>Power supply.</li> <li>Auto starting of pump.</li> </ul>  | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>14.</b> | <b>Captive water storage for fire fighting.</b>   |  |                               |      |
|            | <ul style="list-style-type: none"> <li>Underground tank capacity.</li> <li>Draw-off connection.</li> <li>Fire Service Inlet.</li> <li>Access to tank.</li> <li>Overhead tank capacity.</li> </ul>   | 1,00,000 Ltr                           | Provided                      | MR   |
|            |   | Required                               | Provided                      | MR   |
|            |   | Required                               | Provided                      | MR   |
|            |   | Required                               | Provided                      | MR   |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>15.</b> | <b>Exit Signage.</b>  | Required                               | Provided                      | MR   |
| <b>16.</b> | <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 switch.</li> <li>Lift signage.</li> </ul>  | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | Required                               | Provided                      | MR   |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>17.</b> | <b>Standby Power Supply</b>   | Required                               | Provided                      | MR   |
| <b>18.</b> | <b>Refuge Area</b>  |  |                               |      |
|            | <ul style="list-style-type: none"> <li>Total area</li> <li>Location</li> </ul>  | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>19.</b> | <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 plan.</li> </ul>   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
|            |   | -NA-                                   | -NA-                          | -NA- |
| <b>20.</b> | <b>Special Fire Protection System for the Protection of special Risk, if any.</b>   | -NA-                                   | -NA-                          | -NA- |

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

Keeping in view of the deemed compliance of the minimum standard on fire prevention and fire safety measures as required under the rules, the FSC issued vide letter no F6/DFS/MS/Mixed/2019/SZ/2061 dated 28/10/2019, renewal under rule 37 of the Delhi Fire Service rules, 2010.

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

*Signature*

Signature of the Inspection Officer  
Name: Sh. Manoj Kumar Sharma  
Design: DO (South)

*Signature*  
28/10/24

Signature of the Inspecting Officer  
Name: Sh. Rajesh Kumar  
Design: ADO (BCP)

CFO (HO)

*Signature*  
25/6/2024

~~Director / *Signature*  
27/06/24~~

*Signature*

As approved, F-1 letter is pending  
for your signature. | P |

*Signature*  
28/6/2024

~~Director / *Signature*  
28/6/24~~

*Signature*