



No. F6 /DFS/MS/Residential/SZ/2022/ 51

Dated: 02/02/2023

**FIRE SAFETY CERTIFICATE**

Certified that the **NDMC Housing - multistoried Type - II flats** located at **Aliganj, New Delhi having 04 high rise blocks**, each comprised of **Stilt + 10 upper floors** owned by NDMC was inspected by a team of officers concerned of this department on 31.01.2023 in presence of Sri Narender Gaur, Fire Officer (NDMC) and found that the building has deemed complied with the fire prevention and fire safety requirements in accordance with Rule 33 of Delhi Fire Service Rules, 2010. Accordingly, the premises is fit for occupancy of Residential Group, sub division A-4, with effect from 02/02/2023 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 conditions under rule 38 of Delhi Fire service Rules, 2010 printed below.

Issued on 02/02/2023 at New Delhi by

(Atul Garg)  
Director

Delhi Fire Service

Copy to:-

1. Fire Officer, NDMC Housing - multistoried Type - II flats located at Aliganj, New Delhi.

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

1. All the fire safety arrangements provided therein shall be maintained in good working conditions 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](http://www.dfs.delhigovt.nic.in)
7. Basement shall be used as per UBBL/NBC.
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".
9. Any change in the occupancy shall be intimated to this Deptt. and approval shall be obtained thereto before occupancy of the same.

**INSPECTION REPORT**

|    |   |  |
|----|---|--|
| 1  | Name & address of the building                            | <b>NDMC Housing, Multistoried Type II flats at Aliganj, New Delhi.</b>                                     |
| 2  | Building is comprised of                                  | <b>Comprised of 04 high rise residential building blocks (each blocks having stilt + 10 upper floors).</b> |
| 3  | Type of occupancy   | Residential  |
| 4  | Type of case  | New case   |
| 5  | Details of previous FSC                                   | NIL  |
| 6  | Fire safety directive letter no.                          | F6/MS/DFS/BP/2015/Apmt./320 dated 10.12.2015.  |
| 7  | Date of inspection  | 31.01.2023.  |
| 8  | Name of the inspecting officers                           | Manoj Kumar, DO (SD) & Rajesh Kumar Shukla, ADO (M. Road)  |
| 9  | Name of the designation of officer From the building side | Sri Narender Gaud, Fire Officer (NDMC)   |
| 10 | Year of construction                                      | 2023   |
| 11 | Applicant's letter no.                                    | D/6-8/CA/HQ/Design/Misc. date 31.01.2023   |

| S. No | Minimum standard of Fire Prevention and Fire Safety U/R 33 | Requirements (as per the Directive issued) | Provide at site | Remarks MR/NMR |
|-------|--|--|-----------------|----------------|
|-------|--|--|-----------------|----------------|

|          |                           |           |           |    |
|----------|---------------------------|-----------|-----------|----|
| <b>1</b> | <b>Access to Building</b> |           |           |    |
| <b>A</b> | Road width                | 12.0 mtrs | 24.0 mtrs | MR |
| <b>B</b> | Gate width                | 6.0 mtrs  | 6.0 mtrs  | MR |
| <b>C</b> | Width of internal roads   | 6.0 mtrs  | Provided  | MR |

|          |   |               |          |    |
|----------|---|---------------|----------|----|
| <b>2</b> | <b>Number, Width, Type &amp; Arrangement of Exits</b> |               |          |    |
| <b>A</b> | No. of staircase:                                     |               |          |    |
|          | a) Upper floor  | 2 nos.        | 2 nos.   | MR |
|          | b) Basements  | NA            | NA       | NA |
| <b>B</b> | Width of the staircase:                               |               |          |    |
|          | a) Upper floors                                       | 1.5 mtrs each | Provided | MR |
|          | b) Basements  | NA            | NA       | NA |
| <b>C</b> | Protection of Exits                                   |               |          |    |
|          | a) Fire check door                                    | Required      | Provided | MR |
|          | b) Pressurization                                     | NA            | NA       | NA |
| <b>D</b> | No. of continuous staircase to terrace:               | 2 nos.        | 2 nos.   | MR |
| <b>E</b> | Width of the corridor                                 | NA            | NA       | NA |
| <b>F</b> | Door size   | 1.0 mtrs      | 1.0 mtrs | MR |

|          |  |          |          |    |
|----------|--|----------|----------|----|
| <b>3</b> | <b>Compartmentation:</b>                 |          |          |    |
| <b>A</b> | Fire check doors                         | NA       | NA       | NA |
| <b>B</b> | Sealing of horizontal & vertical opening | Required | Provided | MR |
| <b>C</b> | Fire rating of shaft doors               | 2 hours  | Provided | MR |
| <b>D</b> | Water curtain                            | NA       | NA       | NA |
| <b>E</b> | Fire dampers                             | NA       | NA       | NA |

|          |                                 |         |                     |    |
|----------|---------------------------------|---------|---------------------|----|
| <b>4</b> | <b>Smoke Management System:</b> |         |                     |    |
| <b>A</b> | Basements                       | 12 ACPH | Natural ventilation | MR |
| <b>B</b> | Upper floors                    | 12 ACPH | Natural ventilation | MR |

|          |                           |                       |                       |    |
|----------|---------------------------|-----------------------|-----------------------|----|
| <b>5</b> | <b>Fire Extinguishers</b> |                       |                       |    |
| <b>A</b> | Total numbers             | 160 nos               | Provided              | MR |
| <b>B</b> | Types                     | CO <sub>2</sub> & ABC | CO <sub>2</sub> & ABC | MR |
| <b>C</b> | ISI marking               | ISI marked            | Provided              | MR |

|           |   |   |   |                        |    |
|-----------|---|---|---|------------------------|----|
| <b>6</b>  | <b>First Aid Hose Reel</b>                              |   |   |                        |    |
|           | <b>A</b>  | Total no. at each floor                   | 01 no. in each block and at each floor of individual block. | Provided               | MR |
|           | <b>B</b>  | Length of hose reel                       | 30 mtrs   | Provided               | MR |
|           | <b>C</b>  | Nozzle diameter                           | 5 mm  | Provided               | MR |
| <b>7</b>  | <b>Automatic Fire Detection and Alarm System (ADAS)</b> |   |   |                        |    |
|           | <b>A</b>  | Type of detectors                         | NA  | NA                     | NA |
|           | <b>B</b>  | Location of main Panel                    | NA  | NA                     | NA |
|           | <b>C</b>  | Location of repeater panel                | NA  | NA                     | NA |
|           | <b>D</b>  | Alternate power source                    | NA  | NA                     | NA |
|           | <b>E</b>  | Hooter's location                         | NA  | NA                     | NA |
| <b>8</b>  | <b>MOEFA</b>  |   | Required  | Provided               | MR |
| <b>9</b>  | <b>Public Address System</b>                            |   | Required  | Provided               | MR |
| <b>10</b> | <b>Automatic Sprinkler System</b>                       |   |   |                        |    |
|           | <b>A</b>  | Basement                                  | NA  | NA                     | NA |
|           | <b>B</b>  | Upper floor                               | Required at stilt floor                                     | Provided               | MR |
|           | <b>C</b>  | Sprinklers above false ceiling            | NA  | NA                     | NA |
| <b>11</b> | <b>Internal Hydrants :</b>                              |   |   |                        |    |
|           | <b>A</b>  | Size of the riser/down comer              | 100 mm  | Provided in each block | MR |
|           | <b>B</b>  | No. of hydrants per floor                 | 01 nos.   | Provided               | MR |
|           | <b>C</b>  | Hose box                                  | 01 nos. at every floor of each block                        | Provided               | MR |
| <b>12</b> | <b>Yard Hydrants</b>                                    |   |   |                        |    |
|           | <b>A</b>  | Total no. of hydrants                     | 10 nos.   | 12 nos.                | MR |
|           | <b>B</b>  | Hose box                                  | 10 nos.   | 12 nos.                | MR |
| <b>13</b> | <b>Pumping Arrangements</b>                             |   |   |                        |    |
|           | <b>A</b>  | <b>Ground Level: common for 04 blocks</b> |   |                        |    |
|           |   | a) Discharge & head of main pump          | NA  | 2850 lpm/ 80 mtrs      | MR |
|           |   | b) Number of main pump                    | NA  | 01 no.                 | MR |
|           |   | c) Discharge & head of jockey pump        | NA  | 180 lpm/ 80 mtrs       | MR |
|           |   | d) Discharge & head of Standby pump       | NA  | 2850 lpm/ 80 mtrs      | MR |
|           |   | e) Auto starting/ manual stopping         | NA  | Provided               | MR |

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|   |    |  |                            |   |     |
|---|----|--|----------------------------|---|-----|
| <b>B Terrace Level</b>                                    |    |  |                            |   |     |
|   | a) | Discharge of terrace pump  | 1620 lpm for each block    | 900 lpm Higher capacity wet riser system provided | MR  |
|   | b) | Head of terrace pump   | 40 mtrs                    | Provided  | MR  |
|   | c) | Alternate power supply   | Required                   | Provided  | MR  |
|   | d) | Auto starting of pump  | Required                   | Provided  | MR  |
| <b>14 Captive Water Storage for Fire Fighting</b>         |    |  |                            |   |     |
|   | A  | Underground tank capacity  | NA                         | 2,00,000 Ltrs                                     | MR  |
|   | B  | Draw off connection  | NA                         | Provided  | MR  |
|   | C  | Fire Service Inlet   | NA                         | Provided  | MR  |
|   | E  | Access to tank   | NA                         | Provided  | MR  |
|   | D  | Overhead tank capacity   | 25,000 Ltrs for each block | 50,000 Ltrs                                       | MR  |
|   |    |  | Required                   | NP  | NMR |
| <b>15 Exit Signage</b>                                    |    |  |                            |   |     |
| <b>16 Provision of lift</b>                               |    |  |                            |   |     |
|   | A  | Pressurization of lift shaft   | NA                         | NA  | NA  |
|   | B  | Pressurization of lift lobby   | NA                         | NA  | NA  |
|   | C  | Communication in lift car  | Required                   | Provided  | MR  |
|   | D  | Fireman switch   | Required                   | Provided  | MR  |
|   | E  | Lift signage   | Required                   | Provided  | MR  |
|   |    |  | Required                   | Provided  | MR  |
| <b>17 Standby Power Supply</b>                            |    |  |                            |   |     |
| <b>18 Refuge Area</b>                                     |    |  |                            |   |     |
|   | A  | location   | NA                         | NA  | NA  |
|   | B  | Total area   | NA                         | NA  | NA  |
| <b>19 Fire Control Room : Not Provided</b>                |    |  |                            |   |     |
|   | A  | Fire detection system panel  | NA                         | NA  | NA  |
|   | B  | Flow switch panel  | NA                         | NA  | NA  |
|   | C  | P A system panel   | Required                   | Provided  | MR  |
|   | D  | Battery backup   | Required                   | Provided  | MR  |
|   | E  | Building floor plan  | Required                   | Provided  | MR  |
| <b>20 Special Fire Protection for special risk if any</b> |    |  |                            |   |     |
|   | A  | Special fire protection system for protection of special risk, if any: | NA                         |   |     |

Note: there is requirement of 1620 lpm Terrace Fire Pump for each High Rise block with down comer system in the issued guidelines but same has been replaced by a common fire pump room having 2850 lpm fire pump and a DG fire pump of same capacity with wet riser system and an underground water static tank of 200000 litres water capacity. The provided system is of higher category and capacity than the requirements in the guidelines issued.

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

If agreed to the note above and keeping in view the substantial non compliance of the minimum standards on fire prevention and fire safety required under the Rule 33 of the Delhi Fire Service Rules 2010 is recommended to issue Fire safety Certificate to the said residential complex/ buildings under Rule 35.

Signature of the Inspecting Officer  
 Name Manoj Kumar  
 Designation DO (SD)

Signature of the Inspecting Officer  
 Name Rajesh Kumar Shukla  
 Designation ADO (M. Road)