

भारत सरकार
GOVERNMENT OF INDIA



लद्दाख का राजपत्र The Ladakh Gazette

एस.जी.-एल.डी.-अ.-01122025-1659
SG-LD-E-01122025-1659

असाधारण
EXTRAORDINARY
प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

लद्दाख, 29 नवंबर, 2025
LADAKH, SATURDAY, NOVEMBER, 29, 2025

Part II - Section 3

केन्द्र-शासित प्रदेश लद्दाख प्रशासन
ADMINISTRATION OF UNION TERRITORY OF LADAKH

Notification
Ladakh, the 28th of November, 2025.

S.O 140.— In exercise of the powers conferred by Section 37 of the Jammu and Kashmir Fire Force Act, 1967(Act No. XXII of 1967)(hereinafter referred to as the said Act) , read with S.O. 3775 (E) of 2020, dated 23.10.2020, issued by Ministry of Home Affairs (Department of Jammu,Kashmir and Ladakh Affairs), and in supersession of all previous orders or notifications issued in this regard, the Administration of Union territory of Ladakh, do hereby make the following rules, namely:—

1. Short title and Commencement. -

- (1) These rules may be called the Ladakh Fire Prevention and Fire Safety Rules, 2025.
- (2) They shall come into force from the date of their publication in the Official Gazette.

2. Definitions:

(1) In these rules, unless the context otherwise requires,—

- (a) “Act” means the Jammu and Kashmir Fire Force Act, 1967;
 - (b) “Authorised member” means an officer not below the rank of Station Officer authorised by Director Ladakh Fire and Rescue Service;
 - (c) “Director” means director as defined under Section 2(a) of the said Act;
 - (d) “Fire Safety Certificate” means the Fire Safety Certificate/ No Objection Certificate (NOC) issued under these rules on completion of project after fire safety inspection by the Director or Authorized member;
 - (e) “Fire Safety Recommendation” means fire safety guidelines issued by the Director or Authorized member, at the stage of plan approval or before the commencement of proposed project;
 - (f) “Fire Safety Renewal Certificate” means the Fire Safety Certificate/ NOC issued under these rules on expiry of Fire Safety Certificate after fire safety inspection by the Director or Authorized member;
 - (g) “Form” means the forms annexed to these rules;
 - (h) “Licensed Agency” means third party agency empanelled to conduct fire safety audit under Rule 6 of these rules;
 - (i) “schedule” means the schedule(s) annexed to these Rules;
- (2) The words and expressions used but not defined in these rules shall have the same meanings as assigned to them in the Act and the Ladakh Building Bye-Laws, 2025.

3. Fire Prevention and Fire Safety measures required for various groups of buildings. -

The fire protection systems, equipment, installations and fire safety measures required for various types of buildings shall be as provided in Schedule-I of these rules.

The fire protection systems, equipment, installations and fire safety measures provided in Schedule-I are only recommendatory for buildings which are exempted from obtaining a fire safety certificate/ NOC under the Ladakh Building Bye-Laws, 2025 as amended from time to time.

All the fire protection systems, equipment and installations shall conform to the relevant Indian Standards as prescribed by the Bureau of Indian Standards (BIS) from time to time.

All matters relating to floor area ratio (FAR), side and rear setbacks, coverage, height, and other aspects of building design and construction shall be governed by the relevant provisions of the Ladakh Building Bye-Laws, 2025, or any other rules, regulations, or orders notified by the Administration in this regard from time to time.

4. Exceptions and Deviations. -

In case of practical difficulty or to avoid unnecessary hardship, without sacrificing reasonable safety, the Director may consider exceptions from these rules for existing buildings.

5. Issue of Fire safety Certificate/ NOC. Fire safety recommendations and Fire Safety Renewal Certificate. -

- (1) No Fire Safety Certificate/ NOC, Fire safety recommendation and Fire Safety Renewal Certificate is required to be issued for buildings exempted from abstaining Fire Safety Certificate/ NOC and Fire safety recommendation under the Ladakh Building Bye-Laws, 2025, as amended from time to time.
- (2) Fire Safety Certificate/ NOC, Fire safety recommendation and Fire Safety Renewal Certificate, shall be issued on the basis of self-certification for buildings which are classified as self-certification category under the Ladakh Building Bye-Laws, 2025, as amended from time to time.
- (3) For building that requires to obtain Fire Safety Certificate/ NOC, Fire safety recommendation and Fire Safety Renewal Certificate as per the provisions of Ladakh Building Bye-Laws, 2025 Fire Safety Certificate/ NOC, Fire safety recommendation, and Fire Safety Renewal Certificate may be issued based on certificate issued by a Licenced Agency
- (4) The validity of Fire Safety Certificate/ NOC, Fire safety recommendation, and Fire Safety Renewal Certificate, shall be as provided in the Ladakh Building Bye-Laws, 2025, as amended from time to time.
- (5) The Director shall frame guidelines governing the procedure for issue of Fire Safety Certificate/ NOC, Fire safety recommendation and Fire Safety Renewal Certificate.

6. Power to grant license to act as a Licensed Agency. -

- (1) The Director, Ladakh Fire and Rescue Service may grant any person or association of persons, as he thinks fit, a licensee to act as a Licensed Agency for the purposes of conducting Fire Audit and installation of Fire Prevention and Protection Systems.
- (2) Any person intending to have or renew such license shall apply to the Director, Ladakh Fire and Rescue Service in the prescribed form and in the prescribed manner.
- (3) On receipt of such application, the Director, Fire and Rescue Service, may, after holding such, inquiry as he deems fit, either grant the license in the prescribed form for initial period of one year or renew the same for a like period or, for reasons to be recorded in writing, by order refuse to grant or renew the license.
- (4) Where the Director, Fire and Rescue Service, has reason to believe that any person to whom a license has been granted and who failed to comply with the conditions of the license or is unfit by reason of incompetency, misconduct or any other grave reasons, Director, Fire and Rescue Service may, after giving to the person a reasonable opportunity to show cause, for reasons to be recorded in writing, by order suspend or cancel the license.

7. Licensed Agency to carry out work of providing fire prevention and life safety measures and Fire Auditing. -

- (1) No person other than a Licensed Agency shall carry out the work of providing fire prevention and life safety measures or performing such other related activities required to be carried out in any place or building or part thereof.
- (2) No Licensed Agency or any other person claiming to be such Licensed Agency shall give an Audit certificate regarding the compliance of the fire prevention and life safety measures or maintenance thereof in good repair and efficient condition, without there being such compliance or maintenance.

8. Eligibility to act as licensed Agency. - No, person shall be eligible to apply for a grant of license to act as Licensed Agency, and shall be granted a license to act as a Licensed Agency, unless he possesses: -

- (1) At least any of the following qualifications, namely: -
 - (a) A degree or advanced diploma or diploma in Fire Engineering awarded by the National Fire Service College, Ministry of Home Affairs, Government of India; or
 - (b) Fellow of fire engineering of the Institution of Fire Engineer (U.K.) or M.I. Fire (U.K.) or A.M.I.F.E, India, Graduate Examination of the Institution of Fire Engineer (U.K.) or the Institution of Fire Engineers (India); or
 - (c) A Degree or Diploma in Mechanical, Electrical, Chemical, Civil Engineering or Architecture from a recognized university, and experience in executing fire prevention and fire protection systems as laid down in relevant codes or norms issued by the Administration. The applicant must have executed work related to fire prevention and fire protection systems during the three (3) years immediately preceding the year of application.
- (2) Holds a solvency certificate for an amount as may be specified by the Director, Ladakh Fire and Rescue Service, with prior approval of the Administration;
- (3) Has adequate machinery, tools and other requisite equipment in relation to fire prevention and fire protection systems; and
- (4) Has not been black-listed by any Department of the Administration or Organization or any other State Government/ UT Administration or the Union Government.

9. Application to be made for Licensed Agency, manner of making it, and fees in respect thereof. -

- (1) Every application for License to act as Licensed Agency for the purpose shall be in "Form-I".

- (2) Such application may be submitted online or offline as may be prescribed by the Director, Ladakh Fire and Rescue Service.
- (3) Every such application shall be accompanied by the following: -
- (a) Fee:

Class of licenced Agency	Minimum solvency certificate for (Rupees in lakh)	Prescribed limit for execution of the works as per estimated cost (Rupees in lakhs)	Cost of annual works minimum executed in the last three years (in lakhs)			Registration (fee in Rs.)
			Firefighting system installation such as hydrants, sprinklers, Pumping etc.,	Detection and fire separation system	Passive protection such as cable protection fire doors etc.,	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A	15.00	Unlimited	500.00	200.00	200.00	25000
B	10.00	1000.00	300.00	100.00	100.00	15000
C	5.00	600.00	200.00	50.00	50.00	5000
D	2.50	300.00	100.00	25.00	25.00	2500

- (b) Documents as may be specified by the Director Ladakh Fire and Rescue Service and which shall include the following, namely: -
- (i) Solvency certificate for an appropriate amount as specified and shown above.
 - (ii) attested copy of deed of partnership and power of attorney or articles of memorandum of association or affidavit on stamp paper in case the individual is the sole proprietor of the firm:
 - (iii) Certificate from the chartered accountant or registered income tax practitioner in the prescribed form in case of private works;
 - (iv) Certificate regarding appointment of at least one person possessing any of the qualifications specified in rule 8(1).
 - (v) attested passport size photographs of partners or directors or individual proprietor.
 - (vi) Attested copy of GST Registration Certificate;
 - (vii) Affidavit on appropriate stamp paper stating that his or her firm is not been black-listed by any Department of the Administration or Organization or any other State Government/ UT Administration or the Union Government.

10. License to act as Licensed Agency. - The License to act as a Licensed Agency shall be granted in “Form-II” and shall be subject to the following conditions, namely: -

(1) The License shall be:

- (a) non-transferable;
- (b) valid for one year from the date of issue, unless suspended or cancelled earlier; and
- (c) renewable, if so desired, before expiry of the License.

(2) Changes, if any, in respect of the

- (a) Partners, Directors or Members,
 - (b) Address of the office of the Licensed Agency
- shall be forthwith reported to the Authority issuing the License.

(3) The Licensed Agency shall always keep the work, open for inspection by the Director, Ladakh Fire and Rescue Service or any fire officer authorized by the Director, Fire Services.

11. Renewal of License. -

An application for renewal of a License granted under rule 10 shall also be made in “Form-I” and shall be accompanied by a fee specified in rule 9 (3) (a) and also documents as mentioned in rule 9 (3) (b).

12. Certificate to be issued by a Licensed Agency. –

(1) Certificate regarding the compliance of the fire prevention and fire safety measures, in building plans:- A certificate regarding the compliance of the Fire prevention and Fire safety measures in the building plans, including Site Plan Layout, Fire Fighting Plan, Floor-wise Fire Fighting Plan, etc as required by or under the provisions of the applicable rules, shall be issued by the Licenced Agency in “Form-III (A)” and submitted along with the application for issuance of Provisional Fire Safety Certificate.

(2) Certificate regarding the compliance of the fire prevention and fire safety measures, during the execution of work: A certificate regarding the compliance of the Fire Prevention and Fire safety measures in a building or premise or occupancy, during the execution of the work, as required by or under the provisions of the applicable rules, shall be issued by the Licenced Agency in “Form-III (B)” and submit along with the application for issuance of Fire Safety Certificate.

(3) Certificate regarding compliance of the fire prevention and fire safety measures by proper maintenance of fire prevention and fire safety measures:-: A certificate regarding the proper maintenance of fire prevention and fire safety measures in the building or premise or occupancy, shall be issued by the Licenced Agency in “Form-III(C)” and shall be submitted, along with application for the renewal of fire safety certificate, a self-certificate by the owner of a building or premise or occupancy that has been issued with a

Fire safety certificate and a minimum of fifteen (15) photos as evidence of different stages of inspection, for the renewal of Fire Safety Certificate.

13. Notice to show cause why license be not suspended or cancelled. -

Where any person to whom the License has been granted fails to comply with the conditions of the License or is unfit by reason of incompetency, misconduct or any other grave reason, a notice to show cause as to why the License granted to him to act as Licensed Agency should not be suspended or cancelled, will have to be given to such person, by the Licensing authority in "Form-IV".

14. Fire prevention and fire safety measures in temporary structures. -

The person desirous to erect temporary structures over an area of 1000 square meter or more or where the congregation of persons is more than 2000 for the purpose of observance of festivities, for holding commercial shows, melas, operas, temporary cinemas etc. or premises where highly flammable or explosive materials are proposed to be used shall apply along with the sketch map of proposed site with layout, means of access, entrance, exit to Director of Fire and Rescue Service before 7 days of construction for issue of Fire Safety Recommendation.

It shall be lawful for the Director or the authorised member or any other officer authorized by Administration in this behalf to enter and inspect the structure or pandal with a view to verify the correctness of fire safety measures undertaken & point out the short comings, if any and direct to rectify or remove such short comings within specified time and if the directions are not complied with within the time so given, the same shall be intimate the Licensing Authority to cancel the permission & initiate action under applicable laws.

15. Power of inspection etc.-

- (1) The Director or an authorised member by general or special order, may, enter and inspect such premises with a view to verify the correctness of the information furnished under Rule 5 and to ascertain the adequacy and operability of fire prevention and fire safety measures or violation of any provision of the Act or these rules and direct the owner or occupier to rectify the deficiencies, if any, within such period as may be specified in the order.
- (2) The Director or an authorised member as specified in sub-rule (1) shall be provided with all possible assistance and cooperation by the owner or occupier or any lawful authorised person of such premises for carrying out inspection under sub-rule (1).
- (3) If the directions of the Director or an authorised member under sub-rule (1) are not complied with within the specified time, the Fire Safety Certificate of the said premises may be cancelled by the Issuing Authority with due intimation to concerned regulatory or Licensing Authority.
- (4) Where the inspection is carried out by an authorised member under sub-rule (1), he shall submit a report of such inspection to the Director.

16. Power of Director to issue order. -

The Director may issue such orders, directions or instructions as may be necessary to give effect to the provisions of these rules and to carry out their purposes.

By order of the Lieutenant Governor, Union territory of Ladakh.

Sd/-
(डॉ पवन कोतवाल, भ प्र से / Dr. Pawan Kotwal, IAS)
मुख्य सचिव/Chief Secretary/
प्रशासनिक सचिव /Administrative Secretary
गृह विभाग /Home Department

(अनुपम भारद्वाज / Anupam Bhardwaj)
अवर सचिव/ Under Secretary

“FORM-I”
[Rule 9 (1) and Rule 11]
Application for License to act as Licensed Agency

To
The Licensing Authority

Sub: Grant or renewal of License to act as Licensed Agency for the purposes of the Union territory of Ladakh, guidelines for empanelment of Licensed Agencies for third party audit and installation of Fire Prevention and Protection measures.

Sir,

The undersigned hereby applies for grant of or renewal of License to act as a Licensed Agency for undertaking and executing the work of providing installation of equipment and maintenance of fire prevention and Fire safety measures in buildings/premises/occupancies. The particulars regarding the Agency are given below:-

- (1) Full name of the Applicant
(In capital Letters).
- (2) Whether Licensed Agency will be
proprietary concern or an Association
of persons such as a Firm or company, etc.
- (3) Registration No of Firm or Company
(Copies of Registration Certificate,
Article of Association or other relevant
document appended)
- (4) Address
- (5) If the Licensed Agency will be. -----
 - (a) A proprietary concern, the name qualification and address of the person operating the same.
 - (b) A firm of company, names, qualifications and addresses of each of the partners, or as the case may be, Directors.
- (6) Office address from where the Agency will act as a Licensed Agency -----
- (7) Class for which License is applied for -----
- (8) Personnel with the Agency -----
 - (a) Supervisory staff-names, qualifications and addresses of each.
 - (b) Other employees-names, qualifications and addresses of each.
- (9) Details of work with regard to fire prevention and Fire safety measures, if any, undertaken and executed previously-----
 - (a) Name or nature of work
 - (b) Approximate cost of work Whether the work executed or still in progress and remains to be executed.

(Note. – Original or attested copies of Certificate of verification of above details by the officers under whom works are carried out are attached.)

- (10) Technical qualifications and experience of the proprietor or partners of directors and dealing technical officers or employees of or with the applicant.
- (11) Workshop machinery, tools and plant owned by the applicant, (location and site of workshop and full details to be given).
- (12) Whether enlisted with any other Department or Organization in any other State. If so, in which category.
 - (a) Has the applicant or his partners or Directors been blacklisted in the past by any government Department or Organization or other State?
 - (b) Has the applicant applied for registration elsewhere in his name or in the names of partner, Director or firm or company? If so, whether the application is rejected? Give particulars.
- (13) Whether the applicant has produced up to date Income tax certificate.
- (14) Amount of solvency certificate which the applicant has held or produced.
- (15) A fee of Rs Remitted herewith by Demand Draft No. Dated Drawn on Bank.
- (16) If the application is for renewal of the existing license, the details in respect of the license and the period of its validity (copy of the license appended).
- (17) Whether, the license to act as Licensed Agency granted any time previously has been suspended or cancelled; and if so, reasons thereof.

I/We certify that I/We have not been and will not get myself or ourselves registered as contractor in the department under more than one name.”

Thanking you,

Yours faithfully,

(Applicant)

"FORM-II"**[Rule 10]****License to act as a Licensed Agency for the purposes of Fire Prevention and Fire Safety Measures**

License No.

Date:

License is hereby granted or renewed under the provisions of the Union territory of Ladakh, guidelines for empanelment of Licensed Agencies for third party audit and installation of Fire Prevention and Protection measures to _____

having their registered office at _____ to act as a Licensed Agency for the purposes of the said guidelines for execution of the fire prevention and Fire safety measures in _____ class of Licensed Agency.

The License will be valid for a period from _____ to _____.

Licensing Authority

"FORM-III (A)"

(Rule 12 (1))

Certificate by the Licensed Agency regarding the compliance of the Fire Prevention and Fire Safety Measures, in building plans.

CERTIFICATE

Certified that I/We have prepared the building plans towards compliance in relation to Measures to be provided for fire prevention and fire safety measures, for the following buildings, or premises or occupancies as required under the provisions of the rules applicable.

Description and Location of Buildings or Premises or Occupancies

The attested copies of the building plans which I/ we have prepared is appended herewith.

Place: Signature and Address of the Licensed Agency.

Date: License No.”

(*Note. --- For each building/tower a separate certificate in Form-III(A) should be necessary)

"FORM- III (C)"

(Rule 12 (3))

Certificates to be given by the Licensed Agency for compliance of the Fire Prevention and Fire safety measures.

CERTIFICATE

Certified that I/We have carried out inspection of the Measures in the following buildings or premises or occupancies, namely*:-

I/We further certify that the installations in the above-mentioned buildings or premises or occupancies are maintained in good repair and efficient conditions during the period as required under the provisions of the applicable rules. The details of the inspection of installations carried out by me/us are mentioned in the report appended along with photographs (min. 15 nos.) of inspection stages of Fire safety installations. Any lapses in fire safety installation during fire incident if any shall be my responsibility.

Place:

Signature and Address of the Licensed Agency

Date:

License No.”

(*Note. ----- Detailed location and postal addresses are to be provided here).

“FORM IV”**(Rule 13)****Notice to show cause as to why license granted or renewed to act as a Licensed Agency be not suspended or cancelled**

To

Where a License to act as Licensed Agency for the purpose of the Union territory of Ladakh, guidelines for empanelment of Licensed Agencies for third party audit and installation of Fire Prevention and Protection measures, under license No. _____ dated _____ has been granted or renewed in the name of _____; and the license, so granted or renewed was subject to the provisions of the Union territory of Ladakh, guidelines for empanelment of Licensed Agencies for third party audit and installation of Fire Prevention and Protection measures;

And whereas it is noticed that you are guilty of the following acts, namely:-

- (1) .
- (2) .
- (3) .

And where these acts amount to _____

Now, Therefore, in exercise of the powers conferred on me by clause 8 of the Union territory of Ladakh, guidelines for empanelment of Licensed Agencies for third party audit and installation of Fire Prevention and Protection measures I Now, hereby call upon you to show cause in writing so as to reach the undersigned by _____ on _____ as to why the license so granted or renewed in your favor should be suspended or cancelled,”

Licensing Authority

_____.”

Ladakh Fire Prevention and Fire Safety Rules, 2025

Schedule-I

1. Group A: Residential buildings: includes any building in which sleeping accommodation is provided for normal residential purpose with or without cooking or dining or both facilities, except institutional buildings.

(i) Subdivision A1- Lodging and Rooming Houses: These shall include any building or group of buildings under the same management, in which separate sleeping accommodation on transient or permanent basis, with or without dining facilities but without cooking facilities for individuals is provided. This includes inns, clubs, motels, guest houses and home stays.

Upto 15 meters in height					Above 15 meters in height
S. No	Firefighting installations	Up to 15 rooms	More than 15 rooms and up to 30 rooms	More than 30 rooms	
1	Fire Extinguishers	Required	Required	Required	Required
2	First Aid Hose Reel	Not Required	Required	Required	Required
3	Down Comer	Not Required	Not Required	Not Required	Required
4	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²
5	Manually operated Electronic Fire Alarm System	Not required	Not required	Required to be provided for buildings with more than two storeys	Required
6	Terrace Tank	5000 Litres (if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	25000
7	Fire Pump (at terrace Level)	Not Required	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)					

8	Staircase	minimum 1.25 meter wide	minimum 1.25 meter wide	Minimum two separate exits (minimum 1.25 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two Separate exits (minimum 1.25 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters
9	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
10	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
11	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height

12	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
13	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
14	Fire lift	Not required	Not required	Not required	At least one Fire lift per building block
15	Fire damper	Not required	Not required	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
16	Lightening arrester	Not required	Not required	Not required	Required
17	Compartmentalization	Not required	Not required	750m ²	750m ²

(ii) **Sub-Division A2- One or Two family Private dwellings:** These shall include any private dwellings, which is occupied by members of one or two families and has a total sleeping accommodation for not more than 20 persons. If rooms in a private dwelling are rented to outsiders, these shall be for accommodating not more than three persons per room. If sleeping accommodation for more than 20 persons is provided in any one residential building, it shall be classified as a building in Subdivision A1 or Subdivision A4 as the case may be.

The subdivision is exempted from fire safety norms.

(iii) **Subdivision A3 - Dormitories:** - These Shall include any building in which group sleeping accommodation is provided, with or without dining facilities for persons who are not members of the same family, in one room or a series of closely associated

rooms under joint occupancy and single management, for example, school and college dormitories, students, and other hostels and military barracks.

- (iv) **Subdivision A4 – Apartment houses:** - These shall include any building or structure in which living quarters are provided for three or more families, living independently of each other and with independent cooking facilities, for example, apartment houses, mansions and Chawls.

S. No	Types of Fire Protection (Active Defence)	A3 Dormitories and A-4 Apartment Houses	
		Upto 15 meters in height	Above 15 meters in height
1	Fire Extinguishers	Required	Required
2	First Aid Hose Reel	Required	Required
3	Down Comer	Not Required	Required
4	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²
5	Manually operated Electronic Fire Alarm System	Not required	Required
6	Terrace Tank	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	25000 Litres
7	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)			
8	Staircase	Minimum two separate exits (minimum 1.25 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters. Sleeping rooms with occupancy > 10 persons require two separate and distinct exit accesses in different directions	Minimum two separate exits (minimum 1.25 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters. Sleeping rooms with occupancy > 10 persons require two separate and distinct exit accesses in different directions
9	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
10	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
11	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
12	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
13	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level
14	Fire lift	Not required	At least one Fire lift per building block

15	Fire damper	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
16	Lightening arrester	Not required	Required
17	Compartmentalization	750 m ²	750 m ²

(v) **Subdivision A5 - Hotels:** - These shall include any building or group of buildings under single management, in which sleeping accommodation is provided, with or without dining facilities for hotels classified up to Four Star Category.

Upto 15 meters in height					Above 15 meters in height
S. No	Firefighting installations	Floor area upto 300 m ² on any of the floor	Floor area more than 300 m ² and upto 1000 m ² on any of the floor	Floor area more than 1000 m ² on any of the floor	
1	Fire Extinguishers	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required
3	Wet Riser	Not Required	Required to be provided for buildings with more than two storeys.	Required to be provided for buildings with more than one storey	Required
4	Yard Hydrant	Not Required	Not Required	Required	Required
5	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required	Required
6	Manually operated Electronic Fire Alarm System	Required	Required	Required. Shall also include talkback system and public address system	Required. Shall also include talkback system and public address system
7	Automatic Detection and Alarm System	Not Required	Required	Required	Required

8	Underground Static water Storage Tank	Not required	Required to be provided for building with more than two storeys at the rate of 10000 Litres per 500 m ² subject to a minimum of 50000 Litres.	100000 Litres (required to be provided for buildings with more than one storey.	150000 Litres
9	Terrace Tank	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres (plus 10000 Litres if basement area exceeds 200 m ²)	20000 Litres
10	Fire Pump (for underground water storage Tank)	Not Required	One set of pumps (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof.	One set of pumps (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pumps (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
11	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)					
12	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters

13	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
14	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
15	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
16	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
17	Compartmentalization	Not required	750 m ²	750 m ²	750 m ²
18	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
19	Fire lift	Not required	Not required	Not required	At least one Fire lift Required
20	Fire damper	Not required	Not required	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the

					inlets of supply and return air ducts.
21	Fire Command Centre	Not required	Not required	Not required	Required
22	Lightening arrester	Not required	Not required	Not required	Required

2. Group B-Educational Buildings: This shall include any building used for schools, college other training institutions involving assembly for instruction, education or recreation for not less than 20 students. It is further divided in to following subdivisions:

- (i) **Subdivision B1: School up to senior secondary level:** This includes any building or a group of buildings under single management which is used for not less than 20 students.
- (ii) **Subdivision B2:** All others/training institutions: This includes any building or a group of buildings under single management which is used for not less than 100 students

S.No	Firefighting installations	Upto 15 meters in height (ground plus one or more storeys)	Above 15 meters in height
1	Fire Extinguishers	Required	Required
2	First Aid Hose Reel	Required	Required
3	Down Comer	Not Required	Required
4	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²
5	Manually operated Electronic Fire Alarm System	Not Required	Required.
6	Terrace Tank	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	25000
7	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
8	Public address system	Shall be provided for buildings more than one storey	Required
Life Safety (Passive Defence)			

9	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters. Exit doors shall be operated by panic bars	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters. Exit doors shall be operated by panic bars.
10	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage)
11	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
12	Doorways	Shall not be less than 1 meter in width and 2 meter in height. Every room with a capacity of over 45 persons shall have at least two doorways	Shall not be less than 1 meter in width and 2 meter in height. Every room with a capacity of over 45 persons shall have at least two doorways
13	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
14	Compartmentalization	750 m ²	750 m ²
15	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level
16	Fire lift	Not required	At least one fire lift required
17	Fire damper	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
18	Lightening arrester	Not required	Required
19	Refuge area	Not required	Required to be provided at each floor and terrace level
20	Public address system	Required	required

3. Group C: Institutional Building: This shall include any building or part thereof, which is used for purposes, such as medical or other treatment or care of persons

suffering from physical or mental illness, disease or infirmity; care of infants, convalescents or aged persons and for penal or correctional detention in which the liberty of the inmates is restricted. Institutional buildings ordinarily provide sleeping accommodation for the occupants. It is divided in to following subdivisions:

- (i) **Subdivision C1 Hospital and Sanatoria:** This includes any building or a group of buildings under single management which is used for housing persons suffering from physical limitations because of health or age and those incapable of self-preservation, for example hospitals, infirmaries, sanatoria and nursing homes.

S. No	Firefighting installations	Upto 15 meters in height				Plot area more than 1000 m ²	Above 15 meters in height
		Plot area upto 1000 m ²					
		Upto ground plus one storey with no beds	Upto ground plus one storey with beds	Ground plus two or more storeys with no beds	Ground plus two or more storeys with beds		
1	Fire Extinguishers	Required	Required	Required	Required	Required	Required
2	First Aid Hose Reel	Not Required	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Not required	Required	Required	Required
4	Down Comer	Not Required	Not Required	Required	Not Required	Not Required	Not Required
5	Yard Hydrant	Not Required	Not Required	Not Required	Not Required	Required	Required
6	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required	Required	Required
7	Manually operated Electronic Fire Alarm System	Required	Required	Required.	Required (shall also include talk back system and public address system)	Required (shall also include talk back system and public address system)	Required. Shall also include talkback system and public address system
8	Automatic Detection and Alarm System	Not Required	Not required	Required	Required	Required	Required

9	Underground Static water Storage Tank	Not required	Not required	Not required	75000 Litres	100000 litres	150000 Litres
10	Terrace Tank	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres	10000 Litres	20000 Litres
11	Fire Pump (for underground water storage Tank)	Not Required	Not required	Not required	One set of pump (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)
Life Safety (Passive Defence)							

		at the inlets of supply and return air ducts.	at the inlets of supply and return air ducts.	at the inlets of supply and return air ducts.	at the inlets of supply and return air ducts.	at the inlets of supply and return air ducts.	at the inlets of supply and return air ducts.
22	Fire Command Centre	Not required	Not required	Not required	Not required	Required	Required
23	Lightening arrester	Not required	Required	Required	Required	Required	Required
24	Ramp	Not required	Minimum one required	Minimum one required	Minimum one required	Minimum one required	Minimum one required
25	Automatic Smoke ventilation system	Not required	Required for ground plus one storey	Required	Required	Required	Required
26	Fire resistant compartment	Not required	Required for ground plus one storey	Required at each floor	Required at each floor	Required at each floor	Required at each floor
27	Refuge area	Not required	Not required	Not required	Not required	Not required	Compartmentation of two hour fire resistance with area not less than 25 m ² or 2 m ² per ICU patient in each floor.

- (ii) **Subdivision C2: Custodial institutions:** This includes any building or a group of buildings under single management which is used for the custody and care of persons, such as children, convalescents and the aged who are incapable of self-preservation, for example home for the aged and infirm, convalescent home and orphanages.
- (iii) **Subdivision C3: penal and mental institutions:** This includes any building or a group of building under single management, which is used for housing persons under restraint, or who are detained for penal or corrective purposes, in which the liberty of the inmates is restricted, for example jails, prisons, mental hospitals, mental sanatoria and reformatories.

S. No	Firefighting installations	Upto 10 meters in height		Above 10 meters and upto 15 meters in height	Above 15 meters in height
		Upto 300 persons	More than 300 persons		
1	Fire Extinguishers	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Required to be provided for buildings with more than one storey	Required
4	Yard Hydrant	Not Required	Not Required	Required	Required
5	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required
6	Manually operated Electronic Fire Alarm System	Required	Required	Required.	Required. Shall also include talkback system and public address system
7	Automatic Detection and Alarm System	Not Required	Not Required	Required	Required
8	Underground Static water Storage Tank	Not required	Not required	100000 Litres	150000 Litres
9	Terrace Tank	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	15000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000
10	Fire Pump (for underground water storage Tank)	Not Required	Not required	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one

					storey)
11	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)					
12	Staircase	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters
13	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
14	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
15	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 2 meter in width and 2 meter in height with double swing double leaf type door	Shall not be less than 2 meter in width and 2 meter in height with double swing double leaf type door

16	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
17	Compartmentalization	750 m ² (1125 m ² in case of sprinklered basement/ building)	750 m ² (1125 m ² in case of sprinklered basement/ building)	750 m ² (1125 m ² in case of sprinklered basement/ building)	750 m ² (1125 m ² in case of sprinklered basement/ building)
18	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
19	Fire damper	Not required	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
20	Lightening arrester	Not required	Not required	Not required	Required

4. Group D Assembly Buildings: This shall include any building or part of a building, where not less than 50 persons congregate or gather for amusement, recreation, social, religious, patriotic, civil, travel and similar purposes.

- (i) **Subdivision D-1** Buildings having a theatrical or motion picture or any other stage and fixed seats for over 1 000 persons
- (ii) **Subdivision D-2** Buildings having a theatrical or motion picture or any other stage and fixed seats up to 1 000 persons
- (iii) **Subdivision D-3** Buildings without a permanent stage having accommodation for 300 or more persons but no permanent seating arrangement
- (iv) **Subdivision D-4** Buildings without a permanent stage having accommodation for less than 300 persons with no permanent seating arrangement
- (v) **Subdivision D-5** All other structures including temporary structures designed for assembly of people not covered by Subdivisions D-1 to D-4, at ground level
- (vi) **Subdivision D-6** Buildings having mixed occupancies of assembly and mercantile (for example, shopping malls providing facilities such as shopping, cinema theatres, multiplexes and restaurants/food courts)

S. No	Firefighting installations	Subdivision D-1 to D-5				Subdivision D-6
		Upto 10 meters in height		Above 10 meters and upto 15 meters in height	Above 15 meters in height	
		Upto 300 persons	More than 300 persons			
1	Fire Extinguishers	Required	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Required	Required	Required
4	Down Comer	Required	Required	Not Required	Not Required	Not Required
5	Yard Hydrant	Not Required	Not Required	Not Required	Required	Required
6	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required	Required
7	Manually operated Electronic Fire Alarm System	Required	Required	Required. Shall also include talkback system and public address system	Required. Shall also include talkback system and public address system	Required. Shall also include talkback system and public address system
8	Automatic Detection and Alarm System	Not Required	Not Required	Required	Required	Required
9	Underground Static water Storage Tank	Not required	Not required	100000 Litres	150000 Litres	200000 Litres
10	Terrace Tank	20000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	25000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres	20000 Litres

11	Fire Pump (for underground water storage Tank)	Not Required	Not required	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (two electric and one diesel pump of capacity 2850 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM	900 LPM
Life Safety (Passive Defence)						
13	Staircase	Minimum two separate exits (minimum 2 meter wide (1.5m for occupancy less than 150 persons) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 2 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters

14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height
17	Entrance gate	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 2 meter in width and 3 meter in height	Shall not be less than 4.5 meter in width and 5 meter in height	Shall not be less than 4.5 meter in width and 5 meter in height
18	Evacuation plan	Should be displayed at each floor	Should be displayed at each floor	Should be displayed at each floor	Should be displayed at each floor	Should be displayed at each floor

19	Assembly point	Not required	Not required	Should be designated at the ground floor for the occupant of each floor	Should be designated at the ground floor for the occupant of each floor	Should be designated at the ground floor for the occupant of each floor
20	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
21	Compartmentalization	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)
22	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
23	Fire lift	Not required	Not required	Not required	At least one Fire lift Required	At least one Fire lift Required
24	Fire damper	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.

25	Fire Command Centre	Not required	Not required	Required	Required	Required
26	Lightening arrester	Not required	Not required	Not required	Required	required
27	Smoke vent system	Not required	Not required	Not required	Required	Required

5. Group E Business Buildings These shall include any building or part thereof which is used for transaction of business for keeping of accounts and records and similar purposes, professional establishments, service facilities, etc. City halls, town halls, courthouses and libraries shall be classified in this group so far as the principal function of these is transaction of public business and keeping of books and records. Buildings under Group E shall be further subdivided as follows:

- (i) **Subdivision E-1** Offices, banks, professional establishments, like offices of architects, engineers, doctors, lawyers, post offices and police stations etc.
- (ii) **Subdivision E-2** Laboratories, outpatient clinics, research establishments, libraries and test houses, etc
- (iii) **Subdivision E-3** Electronic data processing centres, computer installations, information technology parks and call centres, etc
- (iv) **Subdivision E-4** Telephone exchanges, etc
- (v) **Subdivision E-5** Broadcasting stations, T.V. stations and air traffic control towers, etc

S. No	Firefighting installations	Upto 10 meters in height	Above 10 meters and upto 15 meters in height	Above 15 meters in height
1	Fire Extinguishers	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required
3	Wet Riser	Not Required	Required	Required
4	Down Comer	Required	Not Required	Not Required
5	Yard Hydrant	Not Required	Not Required	Required
6	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required
7	Manually operated Electronic Fire Alarm System	Required	Required	Required.
8	Automatic Detection and Alarm System	Not Required	Required	Required
9	Underground Static water	Not required	50000 litres	100000 Litres

	Storage Tank			
10	Terrace Tank	10000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	10000 Litres
11	Fire Pump (for underground water storage Tank)	Not Required	One set of pump (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof.	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)
Life Safety (Passive Defence)				
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters
14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.

		floor.		
18	Compartmentalization	750 m ² (3000 m ² in case of sprinklered basement/ building)	750 m ² (3000 m ² in case of sprinklered basement/ building)	750 m ² (3000 m ² in case of sprinklered basement/ building)
19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire lift	Not required	Not required	At least one fire lift required
21	Fire damper	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
22	Fire Command Centre	Not required	Not required	Required
23	Lightening arrester	Not required	Not required	Required
24	Smoke vent system	Not required	Not required	Required

6. Group F Mercantile Buildings These shall include any building or part thereof, which is used as shops, stores, market, for display and sale of merchandise, either wholesale or retail, except hazardous and highly inflammable goods. Mercantile buildings shall be further subdivided as follows:

- (i) **Subdivision F-1** Shops, stores, departmental stores, markets (any with covered area up to 500 m²)
- (ii) **Subdivision F-2** Shops, stores, departmental stores, markets (any with covered area more than 500 m²)
- (iii) **Subdivision F-3** Underground shopping centres Storage and service facilities incidental to the sale of merchandise and located in the same building shall also be included under this group.

Subdivision F1 and F2					Sub-division F3	
S. No	Firefighting installations	Upto 15 meters in height				Above 15 meters in height
		Ground plus one storey with total of all floor area not exceeding 500 m ²	Ground plus one storey and total of all floor area exceeding 500 m ²	More than ground plus one storey		

1	Fire Extinguishers	Required	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Not Required	Required	Required
4	Down Comer	Not Required	Required	Required	Not Required	Not Required
5	Yard Hydrant	Not Required	Not Required	Not Required	Required	Required
6	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required	Required
7	Manually operated Electronic Fire Alarm System	Not Required	Required	Required	Required	Required.
8	Automatic Detection and Alarm System	Not Required	Not Required	Not Required	Required	Required
9	Underground Static water Storage Tank	Not Required	Not required	Not required	100000 litres	150000 Litres
10	Terrace Tank	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	20000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	25000 Litres (5000 Litres if basement area exceeds 200 m ²)	10000 litres	10000 Litres
11	Fire Pump (for underground water storage Tank)	Not Required	Not required	Not required	One set of pumps (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one	One set of pumps (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings

					storey)	with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)						
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters
14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).

15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
18	Compartmentalization	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)	750 m ² (2000 m ² in case of sprinklered basement/ building)
19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire lift	Not required	Not required	Not required	Not required	At least one Fire lift Required
21	Fire damper	Not required	Not required	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.

22	Fire Command Centre	Not required	Not required	Not required	Required	Required
23	Lightening arrester	Not required	Not required	Not required	Required	Not required

7. Group G Industrial Buildings-These shall include any building or part of a building or structure, in which products or materials of all kinds and properties are fabricated, assembled, manufactured or processed, The hazard of occupancy, shall be the relative danger of the start and spread of fire, the danger of smoke or gases generated, the danger of explosion or other occurrences potentially endangering the lives and safety of the occupants of the buildings. Hazard of occupancy shall be determined by the Authority on the basis of the fire loads of the contents, and the processes or operations conducted in the building, provided, however, that where the combustibility of the material, the flame spread rating of the interior finish or other features of the building or structure are such as to involve a hazard greater than the occupancy hazard, the greater degree of hazard shall govern the classification. Buildings under Group G shall be further subdivided as follows:

(i) Subdivision G-1 Buildings used for low hazard industries: This subdivision shall include any building in which the contents are of such comparative low combustibility and the industrial processes or operations conducted therein are of such a nature that there is hardly any possibility for any self-propagating fire to occur and the only consequent danger to life and property may arise from panic, fumes or smoke, or fire from some external source. For example, Brick works, canning factories, clay works, milk pasteurising plant and dairies, confectionery manufacturing, engineering workshops, fruit and vegetable dehydrating and drying factories, fruit products and condiment factories, godowns and warehouses storing non combustible goods only, poultry farms, water treatment/ filtration plants etc

Upto 15 meters in height					Above 15 meters in height
S. No	Firefighting installations	Covered area upto 100 m ²	Covered area more than 100 m ² and upto 500 m ²	Covered are more than 500 m ²	
1	Fire Extinguishers	Required	Required	Required	Required
2	First Aid Hose Reel	Not Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Not required	Required
4	Down Comer	Not Required	Required	Required	Not Required
5	Yard Hydrant	Not Required	Not Required	Not Required	Required

6	Automatic sprinkler System	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²	Required to be provided in the basement if it exceeds 200 m ²
7	Manually operated Electronic Fire Alarm System	Not Required	Not Required	Required.	Required
8	Automatic Detection and Alarm System	Not Required	Not Required	Not Required	Required
9	Underground Static water Storage Tank	Not required	Not required	Not required	75000 Litres
10	Terrace Tank	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	20000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	20000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)	5000 Litres (plus 5000 Litres if basement area exceeds 200 m ²)
11	Fire Pump (for underground water storage Tank)	Not Required	Not required	Not required	One set of pump (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	450 LPM (plus 450 LPM if basement area exceeds 200 m ²)	900 LPM
Life Safety (Passive Defence)					
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters

		meters			
14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor	Fire drill to be conducted once in a year, fire order should be displayed at each floor	Fire drill to be conducted once in a year, fire order should be displayed at each floor
18	Compartmentalization	In consultation with fire department	In consultation with fire department	In consultation with fire department	In consultation with fire department
19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire lift	Not required	Not required	Not required	At least one fire lift required

21	Fire damper	Not required	Not required	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
22	Fire Command Centre	Not required	Not required	Not required	Required
23	Lightening arrester	Not required	Not required	Not required	Required

(i) Subdivision G-2 Buildings used for moderate hazard industries: This subdivision shall include any building in which the contents or industrial processes or operations conducted therein are liable to give rise to a fire which will burn with moderate rapidity or result in other hazardous situation and may give off a considerable volume of smoke, but from which neither toxic fumes nor explosions are to be feared in the event of fire. For example, atta and cereal grinding, bakeries and biscuit factories, carpenter, wood wool and furniture manufacturing, cold storage premises, dry cleaning, dyeing and laundries, electric substations/distribution stations, flour mills, oxygen plants, plastic good manufacturing, plywood /wood veneering factories, printing press premises, soap and glycerine factories, spray painting, textile mills woollen mills etc.

Upto 15 meters in height					Covered area more than 500 m ² and upto 1000 m ² and height above 15 meters	Covered area more than 1000 m ²
S. No	Firefighting installations	Covered area upto 100 m ²	Covered area more than 100 m ² and upto 500 m ²	Covered area more than 500 m ² and upto 1000 m ²		
1	Fire Extinguishers	Required	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Not required	Not required	Required	Required
4	Down Comer	Not Required	Not Required	Required	Not Required	Not Required

5	Yard Hydrant	Not Required	Not Required	Not Required	Required	Required
6	Automatic sprinkler System	Required	Required	Required	Required	Required
7	Manually operated Electronic Fire Alarm System	Not Required	Not Required	Required	Required	Required
8	Automatic Detection and Alarm System	Not Required	Not Required	Required	Required	Required
9	Underground Static water Storage Tank	Not required	Not required	Not required	100000 Litres	150000 Litres
10	Terrace Tank	10000 Litres	20000 Litres	50000 Litres	10000 Litres	20000 Litres
11	Fire Pump (for underground water storage Tank)	Not Required	Not required	Not required	One set of pumps (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pumps (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	450 LPM	900 LPM	900 LPM	900 LPM	900 LPM
Life Safety (Passive Defence)						
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel

		distance on the floor shall not exceed 30 meters	distance on the floor shall not exceed 30 meters	distance on the floor shall not exceed 30 meters	distance on the floor shall not exceed 30 meters	distance on the floor shall not exceed 30 meters
14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height	Shall not be less than 1 meter in width and 2 meter in height
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor	Fire drill to be conducted once in a year, fire order should be displayed at each floor	Fire drill to be conducted once in a year, fire order should be displayed at each floor	Fire drill to be conducted once in a year, fire order should be displayed at each floor
18	Compartmentalization	In consultation with fire department	In consultation with fire department	In consultation with fire department	In consultation with fire department	In consultation with fire department

19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire lift	Not required	Not required	Not required	At least one fire lift required	At least one fire lift required if more than ground plus one storeys
21	Fire damper	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
22	Fire Command Centre	Not required	Not required	Not required	required	Required
23	Lightening arrester	Not required	Not required	Not required	required	Required

(ii) **Subdivision G-3 Buildings used for high hazard industries:** This subdivision shall include any building in which the contents or industrial processes or operations conducted therein are liable to give rise to a fire which will burn with extreme rapidity or result in other hazardous situation or from which poisonous fumes or explosions are to be feared in the event of a fire. For example, aircraft hangers, cotton waste factories, godowns and warehouses storing combustible/ flammable goods, grass, hay, fodder and bhoosa pressing factories, LPG bottling plants, saw mills etc. besides these norms the buildings shall also adhere to IS standards as applicable.

Upto 15 meters in height (height above 15 meters shall not be allowed)						
S. No	Firefighting installations	covered area upto 50 m ²	covered area more than 50 m ² and upto 150 m ²	covered area more than 150 m ² and upto 300 m ²	Covered area more than 300 m ² and upto 500 m ²	Covered area more than 500 m ²
1	Fire Extinguishers	Required	Required	Required	Required	Required

2	First Aid Hose Reel	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Not Required	Required	Required	Required
4	Yard Hydrant	Not Required	Not Required	Not Required	Required	Required
5	Automatic sprinkler System	Required	Required	Required	Required	Required
6	Manually operated Electronic Fire Alarm System	Not Required	Required	Required.	Required	Required
7	Automatic Detection and Alarm System	Not Required	Required	Required	Required	Required
8	Underground Static water Storage Tank	Not required	Not Required	50000 Litres	100000 Litres	150000 Litres
9	Terrace Tank	10000 Litres	25000 Litres	10000 Litres	20000 Litres	20000 Litres
10	Fire Pump (for underground water storage Tank)	Not Required	Not Required	One set of pumps (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pumps (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pumps (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
11	Fire Pump (at terrace Level)	900 LPM	900 LPM	900 LPM	900 LPM	900 LPM
Life Safety (Passive Defence)						

12	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters
13	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
14	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
15	Doorways	Shall not be less than 1 meter in width and 2 meter in height. There shall be at least two ways of escape from every room	Shall not be less than 1 meter in width and 2 meter in height. There shall be at least two ways of escape from every room	Shall not be less than 1 meter in width and 2 meter in height. There shall be at least two ways of escape from every room	Shall not be less than 1 meter in width and 2 meter in height. There shall be at least two ways of escape from every room	Shall not be less than 1 meter in width and 2 meter in height. There shall be at least two ways of escape from every room

16	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
17	Compartmentalization	750 m ²	750 m ²	750 m ²	750 m ²	750 m ²
18	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
19	Fire lift	Not required	Not required	Not required	Not required	Required for buildings with more than ground plus one storeys
20	Fire damper	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
21	Fire Command Centre	Not required	Not required	Not required	Not required	required
22	Lightening arrester	Not required	Not required	Not required	Not required	required
23	Fire separation wall	Area housing hazardous materials shall be separated from no hazardous areas by minimum	Area housing hazardous materials shall be separated from no hazardous areas by minimum 120-minute	Area housing hazardous materials shall be separated from no hazardous areas by minimum	Area housing hazardous materials shall be separated from no hazardous areas by minimum 120-minute fire resistance	Area housing hazardous materials shall be separated from no hazardous areas by minimum 120-minute

		120-minute fire resistance rating walls/doors	fire resistance rating walls/doors	120-minute fire resistance rating walls/doors	rating walls/doors	fire resistance rating walls/doors
24	Explosion relief vents	To be provided at suitable places with suitable size wherever applicable	To be provided at suitable places with suitable size wherever applicable	To be provided at suitable places with suitable size wherever applicable	To be provided at suitable places with suitable size wherever applicable	To be provided at suitable places with suitable size wherever applicable
25	Roof screens/curtain boards	To be provided from the roof downwards at 30 meters interval to prevent lateral spread of smoke and heat	To be provided from the roof downwards at 30 meters interval to prevent lateral spread of smoke and heat	To be provided from the roof downwards at 30 meters interval to prevent lateral spread of smoke and heat	To be provided from the roof downwards at 30 meters interval to prevent lateral spread of smoke and heat	To be provided from the roof downwards at 30 meters interval to prevent lateral spread of smoke and heat

- 8. Group H Storage Buildings** These shall include any building or part of a building used primarily for the storage or sheltering (including servicing, processing or repairs incidental to storage) of goods, ware or merchandise (except those that involve highly combustible or explosive products or materials), vehicles or animals, for example, warehouses, cold storages, freight depots, transit sheds, storehouses, truck and marine terminals, garages, hangars, grain elevators, barns and stables.

Upto 15 meters in height						
S. No	Firefighting installations	Covered are less than 250 m ²	covered area more than 250 m ²			Multi Level Car parking
			Ground floor only	Ground plus one floor	More than ground plus one floor	
1	Fire Extinguishers	Required	Required	Required	Required	Required
2	First Aid Hose Reel	Required	Required	Required	Required	Required
3	Wet Riser	Not Required	Required	Required	Required	Required
4	Down Comer	Not Required	Not Required	Not Required	Not Required	Not Required
5	Yard Hydrant	Not Required	Required	Required	Required	Required

6	Automatic sprinkler System	Required	Required	Required	Required	Required
7	Manually operated Electronic Fire Alarm System	Not Required	Required	Required.	Required	Required
8	Automatic Detection and Alarm System	Not Required	Required	Required	Required	Not Required
9	Underground Static water Storage Tank	Not required	50000 Litres	75000 Litres	100000 Litres	150000 Litres
10	Terrace Tank	25000 Litres	10000 Litres	10000 Litres	10000 Litres	10000 Litres
11	Fire Pump (for underground water storage Tank)	Not Required	One set of pump (one electric and one diesel pump of capacity 1620 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (one electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)	One set of pump (two electric and one diesel pump of capacity 2280 Litres/ min) for each 100 hydrant or part thereof (only in buildings with more than one storey)
12	Fire Pump (at terrace Level)	900 LPM	450 LPM	450 LPM	450 LPM	900 LPM
Life Safety (Passive Defence)						
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum

		distance on the floor shall not exceed 30 meters	the floor shall not exceed 30 meters	distance on the floor shall not exceed 30 meters	meters	travel distance on the floor shall not exceed 45 meters
14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height.	Shall not be less than 1 meter in width and 2 meter in height.	Shall not be less than 1 meter in width and 2 meter in height.	Shall not be less than 1 meter in width and 2 meter in height.	Shall not be less than 1 meter in width and 2 meter in height.
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.

18	Compartmentalization	In consultation with fire department	In consultation with fire department	In consultation with fire department	In consultation with fire department	In consultation with fire department
19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire lift	Not required	Not required	Not required	Not required	Required for buildings with more than ground plus one storeys
21	Fire damper	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
22	Fire Command Centre	Not required	Not required	Not required	Not required	required
23	Lightening arrester	Not required	Not required	Not required	Not required	required
24	Fire separation wall	Not required	Not required	Not required	Not required	The hazardous areas like DG sets, transformer, HT/LT panel etc shall be suitably segregated from other areas.
25	Evacuation route plan	Not required	Not required	Not required	Should be displayed on each floor at prominent	Should be displayed on each floor at

					places	prominent places
--	--	--	--	--	--------	------------------

- 9. Group I; Hazardous Buildings** These shall include any building or part thereof which is used for the storage, handling, manufacture or processing of highly combustible or explosive materials or products which are liable to burn with extreme rapidity and/or which may produce poisonous fumes or explosions for storage, handling, manufacturing or processing which involve highly corrosive, toxic or noxious alkalis, acids or other liquids or chemicals producing flame, fumes and explosive, poisonous, irritant or corrosive gases; and for the storage, handling or processing of any material producing explosive mixtures of dust which result in the division of matter into fine particles subject to spontaneous ignition.

Upto 15 meters in height			
S. No	Firefighting installations	Single storey building	More than one floor building
1	Fire Extinguishers	Required	Required
2	First Aid Hose Reel	Required	Required
3	Wet Riser	Required	Required
4	Down Comer	Not Required	Required
5	Yard Hydrant	Required	Required
6	Automatic sprinkler System	Required	Required
7	Manually operated Electronic Fire Alarm System	Required	Required
8	Automatic Detection and Alarm System	Required	Required
9	Underground Static water Storage Tank	Minimum 240-minute firefighting requirements	Minimum 240-minute firefighting requirements
10	Terrace Tank	Not required	50000 Litres
11	Fire Pump (for underground water storage Tank)	Pump capacity shall be based on the covered area of the building	Pump capacity shall be based on the covered area of the building
12	Fire Pump (at terrace Level)	Not required	900 LPM
Life Safety (Passive Defence)			
13	Staircase	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters	Minimum two separate exits (minimum 1.5 meter wide) so arranged that maximum travel distance on the floor shall not exceed 30 meters

14	"Exit" signage	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).	photoluminescent exit signage shall be provided along the way to exits (no point shall be more than 30 meters from a visible exit signage).
15	Emergency Lights	Required to be provided along the means of egress with alternate power source	Required to be provided along the means of egress with alternate power source
16	Doorways	Shall not be less than 1 meter in width and 2 meter in height.	Shall not be less than 1 meter in width and 2 meter in height.
17	Fire drill and fire order	Fire drill to be conducted once in a year, fire order should be displayed at each floor.	Fire drill to be conducted once in a year, fire order should be displayed at each floor.
18	Compartmentalization	Shall be done in consultation with fire department	Shall be done in consultation with fire department
19	Cable and other ducts	Shall be sealed at each floor level	Shall be sealed at each floor level
20	Fire damper	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.	shall be provided where ducts enter vertical shafts, pass through floors or fire-rated walls, and at the inlets of supply and return air ducts.
21	Fire Command Centre	Not required	required
22	Lightening arrester	required	required
23	Fire separation wall	required	required
24	Evacuation route plan	required	required

"No legal responsibility is accepted for the contents of publication of advertisements/publications in this part of The Ladakh Gazette. Persons notifying the advertisements/public notices will remain solely responsible for the legal consequences and also for any other misrepresentation etc."