

In exercise of the powers conferred under sub-section (1) of section 25 of the King George's Medical University Uttar Pradesh Act, 2002, the Executive Council of the King George's Medical University, Uttar Pradesh frames the following instructions for the Fire Safety & Security in the University -

FIRE SAFETY & SECURITY INSTRUCTIONS, 2019

CHAPTER – I

GENERAL

- 1.01 (1) These Instructions may be called the King George's Medical University Fire Safety & Security Instructions, 2019.
(2) They shall come into force atonce.
- 1.02 These instructions are in supplement to and not in derogation of any power conferred on any authority by or under any existing law, rules, orders or directions issued by concerned authorities from time to time and provided under the building bye-laws, National Building Code of India, National Disaster Management Guidelines, NABH Standards and the Uttar Pradesh Fire Prevention And Fire Safety Act, 2005 and rules made thereunder.
- 1.03 The aim of these instructions is to establish the minimum requirements for a reasonable degree of safety from fire emergencies in the campuses of the University including hospitals, laboratory, library, academic blocks, work place, offices, hostels and mess etc. so that the probability of injury, loss of life and damage to property from the effects of fire are minimised.
- 1.04 All the preventive measures shall be taken to limit the spread of fire by providing appropriate arrangements within the campus through adequate staffing and careful development of operative and maintenance procedures.
- 1.05 Every building of the University shall be so constructed, equipped, maintained and operated as to avoid undue danger to the life and safety of the occupants from fire, smoke, fumes or panic during the time period necessary for escape.

CHAPTER – II

ORGANISATIONAL STRUCTURE

THE CHIEF FIRE OFFICER

- 2.01 (1) There shall be a 'Chief Fire Officer' for the University who shall be responsible for the prevention, control and fighting of fire and for ensuring the safety of life and property in case of fire in University premises.
(2) The Chief Fire Officer (in short 'CFO') shall be an ex-officio member of the Hospital Advisory Committee and other relevant Boards, Committees etc.
(3) He shall be a whole-time employee of the University and answerable to and work under the administrative control and general supervision of the Vice-Chancellor.

- (xii) Overman Down Lifter System,
- (xiii) Set Back,
- (xiv) Exit Requirement and Fire Escapes,
- (xv) Fire drill (including mock drill),
- (xvi) Maintenance of Fire Fighting system,
- (xvii) Staff training for operation of Fire Fighting System
- (xviii) Evacuation Plan and Drills,
- (xix) Periodical Fire Safety Audits,
- (xx) Periodical renewal of fire clearance after depositing prescribed fees.

2.07 He shall be provided with all possible assistance by the University Administration and the Head or Incharge of the building or premises for carrying out the concerned activities and the inspection.

2.08 All the staff related with Fire Department shall be within direct control and supervision of the Chief Fire Officer.

CHAPTER – III

Structural Elements of Fire Safety

3.01 Adequate passage way and clearance for fire fighting vehicles to enter the premises shall be provided and ensured at all the times.

3.02 (1) The University shall make provisions for sufficient open space in and around the buildings to facilitate the free movement of and fire vehicles etc. These open spaces shall not be used for parking and or any other purpose.

(2) Open spaces mentioned above shall be kept free of obstructions and shall be motorable in every direction-turning radius of about nine metres shall be provided for fire tender movement.

3.03 The width of entrances in buildings shall not be less than five metres. The width of the access road shall be a minimum of six metres.

3.04 The roads shall not be terminated in dead ends. The setback area shall be a minimum of 4.5 metres. Minimum width of stairs shall be two metres and the number of stairs per flight shall not exceed 15.

3.05 The width of the main street on which the building abuts shall not be less than twelve (12) metres and when one end of that street shall join another street, the street shall not be less than twelve (12) metre wide.

3.06 The covering slab of storage/static water tank shall be able to withstand the total vehicular load of 45 ton equally divided as a four point load (if the slab forms a part of path/drive way).

3.07 (1) Basements of buildings should be used preferably for parking vehicles and shall be protected with automatic sprinkler systems.

(2) Each basement shall be separately ventilated. A system of air inlets and smoke outlets shall be provided and clearly marked as "AIR INLET" and "SMOKE OUTLET".

(3) A clear headroom of minimum 2.4 metres shall be provided for the entire basement.

every opening of structure, etc. shall comply with the minimum requirements provided for the purpose.

Emergency and Escape Lighting

- 4.02 (1) Emergency lighting shall be powered from a source independent of the normal lighting system.
- (2) Emergency lights shall clearly and unambiguously indicate the escape routes.
- (3) Emergency lighting shall provide adequate illumination along escape to allow the safe movement of persons towards and through the exits.
- (4) Emergency lighting shall be provided in a manner to ensure that fire alarm call points and fire fighting equipments along the escape routes are readily located.
- (5) the horizontal luminance at floor level on the centre line of an escape route shall be not less than 10 lux. Additionally, for escape routes that are upto 2 metres in width, 50% of the route width shall be lit to a minimum of 5 lux.
- (6) The emergency lighting shall be activated within one second of the failure of the normal lighting.
- (7) The luminaries shall be mounted as low as possible but at least 2 metres above the floor level.
- (8) Emergency lighting shall be designed to ensure that a fault or failure in any open luminaries does not further reduce the effectiveness of the system.
- (9) Emergency lighting luminaries and their fitting shall be of non flammable type.
- (10) The emergency lighting system shall be capable of continuous operation for a minimum of 1 and a half hours (90 minutes.)

Internal Stair Cases

- 4.03 (1) No electrical shaft and panel, AC ducts or gas pipelines etc. shall pass through or open onto the staircases.
- (2) No combustible material shall be used for decoration wall panelling in the staircases.
- 4.04 (1) Protected staircases shall be pressurized under no circumstances shall they be connected to a corridor, lobby and staircase which is unpressurized.
- (2) The pressurization system shall be inter-connected with the automatic/manual fire alarm system for actuation.
- 4.05 (1) External staircases shall be so arranged to avoid any discomfort or obstruction for persons with the fear for heights from using the and to ensure a clear direction of egress to the street.
- (2) External staircases shall be continuous from the ground floor to the terrace level.
- (3) The entrance to the external staircases shall be separate and remote from internal staircases.

Underground Static Water Tank, Pump Room & Yard Hydrant

- 4.06 (1) Provisions shall be made for a dedicated fire fighting tank of suitable capacity as per the NBCI norms that shall remain full at all times, however, special attention shall be given to calculating the actual capacity of the water tank to ensure its compatibility to the installed fire fighting system.
- (2) A four way collecting head shall be provided at an easily accessible location near the tank.
- 4.07 A centralized room in each building shall be provided to house the pumps that supply water to various fire fighting systems. The pumps like Jocky Pump, Main Fire Pump and Diesel Fire Pumps shall be as per the NBCI norms. Their repairing should be insured on regular basis.

5.02 Functions of the Committee-

- (1) To constitute Fire Safety Teams for necessary locations.
- (2) Corrective and preventive measures to be taken.
- (3) To manage for education, training and awareness.
- (4) To suggest for purchase, repair, replacement and other necessary improvement in fire fighting instruments/equipments/systems.
- (5) To plan for the annual budget, strengthening the system and evacuation strategies.
- (6) To frame policies for fire protection and safety and submit it for the approval.
- (7) To determine the Life Support Systems for the patients; and
- (8) Other functions, as may be deemed necessary.

(Rajesh Kumar Rai)
Registrar

Ref. No. 1174/2019/GA & Property Section, Dated: As above

Copy forwarded to the following, in compliance of the resolution passed by the Executive Council of the University vide Agenda Item No. 11, in its meeting held on 11.01.2019, for information and necessary action:-

1. The C.M.S./Medical Superintendent, G.M. & A.H., KGMU, UP, Lucknow.
2. All Heads of the Departments, K.G. Medical University, UP, Lucknow for circulation amongst faculty of the Department.
3. All Provosts, KGMU UP, Lucknow.
4. Faculty Incharge- Trauma Centre/Research Cell/Atal Behari Vajpayee Scientific Convention Centre/ Shatabdi/Guest House/I.T. Cell, KGMU UP, Lucknow.
5. Faculty-Incharge, KGMU Website with the remark to upload a copy on University Website.
6. Executive Engineer, Electric Dept./ Civil Dept., KGMU UP, Lucknow.
7. All Section Incharge, Registrar Office, K.G. Medical University, UP, Lucknow.
8. The Finance Officer, K.G. Medical University, UP, Lucknow.
9. P.S. to V.C. for kind information of Hon'ble Vice-Chancellor.
10. All the Notice Boards.
11. Guard file

(Rajesh Kumar Rai)
Registrar