

**NATIONAL MEDICAL COMMISSION****NOTIFICATION**

New Delhi, the 28th October, 2020

**No. NMC/MCI 35(1)98-med.(ii)123627.**—In exercise of the powers conferred by section 57 of the National Medical Commission Act, 2019 (30 of 2019), the National Medical Commission hereby makes the following regulations namely:-

1. (i) Short title and commencement: These regulations may be called the “Minimum Requirements for Annual M.B.B.S. Admissions Regulations, 2020

(ii) They shall come into force on the date of their publication in the Official Gazette.

2. (i) Applicability: These Regulations shall be applicable for Medical Colleges being established from the academic session 2021-22 onwards.

(ii) The relevant Minimum Standard Requirements for the Medical College for 50/100/150/200/250 Regulations and the Requirements to be fulfilled by the Applicant Colleges for obtaining Letter of Intent and Letter of Permission for Establishment of the new Medical Colleges and Yearly Renewals under Section 10-A of the Indian Medical Council Act, 1956 read with section 61(2) of the NMC Act, 2019 shall be the governing Regulations for Medical Colleges established prior to last date of grant of letter of permission for establishing new Medical College/renewal of permission/increase of intake capacity for the Academic Session 2020-21.

3. Preamble

There is a necessity to re-cast medical education and training to enable the Medical Graduate to be able to effectively discharge their role as a physician in this changing world. The new demands on medical education also necessitate redefining the standards. There is a need to define standards based on functional requirements, rather than in absolute terms. Quality should be the bench mark of the new standard. Optimization and flexibility in utilizing the available resources, and harnessing modern educational technology tools would facilitate in moving towards quality education even when resources are relatively scarce. The current regulations on minimum standards for undergraduate medical training institutions in India attempts to define the new standards in terms of the new paradigm.

4. Objective: The objective of these regulations is to prescribe for a medical college and Medical Institution approved for admissions of MBBS students annually, the minimum requirements of accommodation in the college and its associated teaching hospitals, staff (teaching and technical) and equipment in the college departments and hospitals.

5. Departments: Every medical college and Medical Institution approved for M.B.B.S admissions annually shall have the following departments, namely:-

- i. ANATOMY
- ii. PHYSIOLOGY
- iii. BIOCHEMISTRY
- iv. PATHOLOGY
- v. MICROBIOLOGY
- vi. PHARMACOLOGY
- vii. FORENSIC MEDICINE&TOXICOLOGY
- viii. COMMUNITYMEDICINE
- ix. GENERAL MEDICINE
- x. PAEDIATRICS
- xi. PSYCHIATRY
- xii. DERMATOLOGY
- xiii. RESPIRATORYMEDICINE
- xiv. GENERAL SURGERY
- xv. ORTHOPAEDICS
- xvi. RADIO-DIAGNOSIS

- xvii. OTO-RHINOLARYNGOLOGY
- xviii. OPHTHALMOLOGY
- xix. OBSTETRICS & GYNAECOLOGY
- xx. ANESTHESIOLOGY
- xxi. DENTISTRY
- xxii. PHYSICAL MEDICINE & REHABILITATION
- xxiii. EMERGENCY MEDICINE
- xxiv. RADIATION ONCOLOGY (Optional)

Beside the above-said departments the Medical colleges and Medical institution running Postgraduate degree/diploma courses in various specialties may have other departments to meet teaching needs of the college or Medical Institution and healthcare needs of the public.

6. Accommodation, Staff and Equipment: Every Medical college and Medical institution and its associated teaching Hospital shall have the required areas, accommodation for the staff and equipment for each department as given in Schedule-I, II, III respectively annexed with these regulations.
7. Intake Capacity: Medical Colleges shall be established with an annual intake capacity of 100 /150 MBBS Admissions annually and thereafter can be increased to 150/200/250 MBBS Admissions Annually. The phase-wise Requirements to be fulfilled by the applicant colleges for obtaining Letter of Intent and Letter of Permission for Establishment of New Medical College or Increase in Annual intake & Yearly Renewals for 100/150/200/250 M.B.B.S. admissions annually shall be in accordance with Annexure I, II, III, and IV of these Regulations.

## SCHEDULE - I

### ACCOMMODATION IN THE MEDICAL COLLEGE AND ITS ASSOCIATED TEACHING HOSPITALS A-COLLEGE

#### A.1 GENERAL

##### A.1.1. Campus

1. Every medical college shall comprise of the Medical College, the attached Teaching hospital/(s), and the hostels for the students & interns, with or without the residential area for faculty and other staff of college/hospital. The medical college, hostels for students/interns and the teaching hospital/institution shall be in a unitary campus.
2. However, in X and Y category (or Tier 1 & Tier 2) cities (as recommended by 7<sup>th</sup> CPC), Hilly and North-East states and notified tribal areas the campus could also be on 2 plots of land – one housing the teaching hospital and the other the medical college with hostels for students and interns.
3. If the campus is housed in more than 1 plot of land, the distance between each one of these plots should be less than 10 kms or less than of 30 mins travelling time, whichever is lesser.
4. Provided that where the Government District hospital is being considered for use as the teaching hospital of a medical college, all constituents of the district hospital, even if they are on two plots of land, will be considered as the affiliated teaching hospital, provided that the main District hospital has atleast 300 beds or in Hilly and North-East states has 250 beds.
5. The medical college shall provide adequate built-up space to accommodate various teaching areas (both in the college and the teaching hospital), Library, administrative areas, rooms for teaching and non-teaching staff, student amenities, etc. as specified in various sections of this schedule.
6. The building and other built up infrastructure must conform to building codes and local building bye-laws. They must also comply with the requirements for providing access and facilities to those who are disabled.
7. The built up area of the teaching hospital must conform to national norms and local building bye-laws having considered the minimum beds, teaching facilities and other requirements prescribed for the various annual

intakes of MBBS students in these regulations. The hospitals should have fire-safety measures, including patient evacuation plans as per local bye-laws and regulations.

8. Further, the parcel of land being used for establishing the medical college is not to be used for any other college/institution (such as Nursing College, Dental College, Engineering College or any other College or Hostel or accommodation).

#### A.1.2. Administrative Area

There should be adequate accommodation for the Principal/Dean, College council, Academic and examination sections, Accounts, and other administrative offices (as per need), the Medical education unit and the server room for the computer network.

#### A.1.3. College Council

Every medical college or Medical Institution shall have a College Council comprising of the Head of departments as members and Principal/Dean as Chairperson. The Council shall meet at least four times in a year to draw up the details of curriculum and training programme, enforcement of discipline and other academic matters. The Council shall also organize regular interdepartmental meetings like grand rounds, statistical meetings and clinic-pathological meetings including periodical review of research in the Institution.

#### A.1.4. Central Library

1. There shall be an air-conditioned central library with good lighting and adequate space for stocking the books and journals (1000 sq.M for annual intake upto 150 MBBS students and 1500 sq.M for annual intakes of 200 and 250 MBBS students). There shall be provision for:
  - a. Rooms for the Librarian and other staff.
  - b. Reading rooms with adequate seating for twice the number of annual intake of UG students distributed over 2 areas.
  - c. Reading room for faculty
  - d. Room for stocking old books, journals, etc.
  - e. A computer room with computer nodes with internet facilities for atleast 25% of the annual intake of students.
2. **Books:** There shall be atleast 30 (Thirty) books per annual intake of students comprising all subjects with atleast 5 copies of each of the text books for the various subjects in MBBS curriculum.  
*Desirable: Postgraduate level books in the subjects of MBBS curriculum*  
*Aspirational: Reference and post-graduate level books in all specialties of medicine*
3. **Journals:** The minimum number of journals for various annual intake of MBBS students shall be atleast 1 percent of the minimum books prescribed.

The journals shall be either in print or electronic form, provided that there shall be atleast 1(one) print journal of each major specialty departments for MBBS training – Anatomy, Physiology, Biochemistry, Pathology, Pharmacology, Microbiology, Forensic Medicine & Toxicology, Community Medicine, Medicine, Pediatrics, Dermatology, Psychiatry, Respiratory Medicine, Surgery, Orthopedics, Otorhinolaryngology, Ophthalmology, Obstetrics & Gynecology, Anesthesia, Radio-diagnosis, Dentistry, Emergency Medicine, Physical Medicine & Rehabilitation. Provided that only journals that are indexed in the following databases i.e. Medline, Pubmed Central, Science Citation index, Science Citation Index Expanded, Embase, Scopus, Directory of Open access journals (DoAJ) will be considered. There shall be evidence for a full annual subscription for all these journals.

Annual MBBS Intake	Minimum No. of Journals required	Minimum No. of Books required
100	30	3000
150	45	4500
200	60	6000
250	75	7500

*Desirable: Journals pertaining to subjects other than those listed above*

#### **A.1.5. Lecture theatre**

1. There shall be minimum of four lecture theatres preferably air conditioned, of gallery type in the Institution, each of them with seating capacity for 20% more than the annual student intake (shall provide atleast 1.40sq.m/student).
2. *In case the hospital is not in the same unitary campus there shall be one additional lecture theater in the teaching hospital with a similar seating capacity as prescribed for the medical college.*
3. The Lecture Theaters shall have provision for audio-visual and internet facilities and shall be enabled for e-learning. The lecture theaters shall be linked digitally to all teaching areas designated for Small group Teaching.
4. The lecture theatres shall be shared by all the departments in a programmed manner.

*Desirable: Smart Class rooms.*

#### **A.1.6. Small Group Teaching Facilities**

The size of each batch for small group teaching shall be about 15 students. The common resource pool of teaching rooms, student practical laboratories, museums and lecture theaters and any other available area that can be utilized for teaching purposes as prescribed in these regulations shall all be utilized for small group teaching and shared by the teaching departments. All the above mentioned teaching areas shall have audio-visual and internet facilities and be linked digitally to one another.

- a. **Teaching Rooms:** The minimum number of teaching rooms in the medical college for Pre- and Para-Clinical Departments for various intake of MBBS students annually to be shared by all departments, shall be as indicated in the table below (each teaching room shall provide atleast 1.2 sq.M/student):

Annual MBBS student intake	No. of teaching rooms	
	25 seating capacity	50 seating capacity
100	2	1
150	4	4
200	7	7
250	9	9

- b. **Student Practical Laboratories.** There shall be atleast 8 student practical laboratories, one each for Histology, Clinical Physiology, Biochemistry, Histopathology & cytopathology, Clinical pathology & Hematology, Microbiology, Clinical Pharmacology, and Computer Assisted Learning (CAL) in Pharmacology. The Clinical pathology/Hematology laboratory may be shared between Physiology and Pathology, and Forensic Medicine may utilize the Histopathology & cytopathology laboratory for practical work.

Each laboratory shall have capacity to accommodate atleast 60 students. The laboratories of Histology, Biochemistry, Histopathology & cytopathology, Clinical pathology & hematology, and Microbiology shall have 60 work stations fitted with water taps, sinks, and electric points. The Biochemistry, Histopathology and Microbiology laboratories shall in addition have gas/electric burners at each student's work station.

Each laboratory shall have additional rooms as required for technical staff, stores, equipment storage, etc. Each lab shall provide for atleast 3.5 sq.m/per student, which shall be sufficient for workbenches, a delineated teaching area for 20 students, stores and room for technical staff. All the above mentioned laboratories shall have audio-visual and internet facilities and be linked digitally to all other teaching areas i.e. Lecture theaters, teaching rooms and museums.

- c. **Museum:** There shall be atleast 3 museums in the college i.e. 1 (one) for Anatomy, 1 (one) to be shared by Pathology and Forensic Medicine, and 1 (one) to be shared by Pharmacology, Microbiology and Community Medicine. In addition to the display area, each of these museums shall also have sufficient space to seat atleast 50 students (atleast 1.2 sq.M/student) and shall have audio-visual and internet facilities and be linked digitally to the Lecture theaters, teaching rooms and practical laboratories.

The museums shall have adequate racks and shelves for storing and proper display of wet and dry specimens (where applicable) and models. There shall also be adequate facilities for displaying and viewing radiological and digitalized images.

#### **A.1.7. Skills Laboratory**

Every medical institution shall have a Skills Laboratory where students can practice and improve skills pre-specified in the curriculum. The purpose of the skills laboratory is to provide a safe and non-threatening environment for students to learn, practice and be observed performing skills in a simulated environment thus mitigating the risks involved in direct patient exposure without adequate preparation and supervision. The skills laboratory attempts to recreate the clinical environment and tasks which future health care workers have to perform with various levels of complexity and fidelity.

The skills laboratory shall have a total area of at least 600 sq.M for intake upto 150 MBBS students annually and 800 sq.M for intakes of 200 and 250 MBBS students annually, and shall have -

- i) a minimum of 04 rooms (preferably 08) for examination of patients or standardized/ simulated patients
- ii) a room for demonstration of skills to small groups
- iii) area for review or debriefing area
- iv) rooms for faculty coordinator and support staff
- v) adequate space for storage of mannequins and/or other equipment
- vi) facility for video recording and review of the interaction for teaching communication skills
- vii) stations for practicing skills individually or in groups
- viii) trainers or mannequins required to achieve skills outlined in the competency based undergraduate curriculum document
- ix) a dedicated technical officer and adequate support staff .
- x) the teaching areas of the skills lab shall have provision for audio-visual and internet facilities and shall be enabled for e-learning

*The Skills lab shall be available at the time of inception/LOP*

#### **A.1.8. Department Offices and Rooms for Staff**

Every Teaching Department shall have:

- i) room for Head of Department with Space for Department Office, for office staff and storage of records
- ii) rooms with adequate space for teaching faculty, and Tutors/Demonstrators/Residents (both Junior & Senior)
- iii) rooms for faculty, provided with communication, computer and internet facilities.
- iv) rooms for non-teaching staff

#### **A.1.9. Examination Hall**

For the purposes of examination, the Lecture Theaters, Reading rooms in Library, etc. can be utilized with adequate distancing.

*Desirable: A separate examination Hall*

#### **A.1.10. Medical Education Unit**

There shall be a Medical Education Unit for faculty development and providing teaching or learning resource material. The Unit shall have provision for audio-visual and internet facilities. The requirements of this unit shall be as prescribed by the National Medical Commission from time to time (it shall have an area of atleast 150-160 sq.M).

#### **A.1.11. Research Facility**

*Desirable: A well-equipped central Research facility that can be shared by different departments.*

*Aspirational: Separate departmental research laboratories.*

#### **A.1.12. Communication Facilities**

Adequate communication network between various sections of the college and hospitals shall be provided for better services, coordination and patient care.

**A.1.13. Student Amenities**

Adequate student amenities shall be provided. These shall include facilities for common rooms for boys and girls (separate), cafeteria, cultural activities, indoor games and student counselling services. There shall be gymnasium, and playground for outdoor games and track events in the college.

*Desirable: Swimming pool*

*Aspirational: Auditorium*

**A.1.14. Rural Health Training Centre**

Every medical college shall have one Rural Health Training Center affiliated to it. This Rural Health Training Center shall be owned by the college or it should be affiliated to Government owned Health Center. If it is the latter, the academic control shall be with the Dean/Principal of the college for training of students and interns in community oriented primary health care and rural based health education for the rural community attached to it. This Health Center shall be within a distance of 30 kms except in X category (Tier-1) cities as amended where it should be within 50 kms. Separate residential arrangements for boys and girls interns with mess facilities shall also be provided. Adequate transport (both for staff and students) shall be provided for carrying out field work and teaching and training activities by the department of Community Medicine.

**A.1.15. Biometric attendance & Close Circuit TV**a) Biometric attendance:

- i) All Medical Colleges/Institutions shall install biometric attendance machine for regularly capturing the attendance of human resources as specified in these regulations.
- ii) The biometric attendance shall be made available on the Medical College Website in the form of daily attendance dashboard. The Commission may seek from the Medical Colleges/Institutions, such record of attendances during or after assessment.
- iii) The installation and maintenance of the biometric attendance system shall be the responsibility of the Medical Colleges/ Institutions

b) Close circuit TV: Every medical college shall have Close-Circuit Television (CCTV) system in the medical college and shall provide live streaming of classroom teaching, patient care in the teaching hospital and any other area as specified from time to time, to enable the Commission to maintain a constant vigil on the standard of medical education/ training being imparted.

The live streaming of both classroom teaching and teaching hospital, shall be integrated as a part of the “Digital Mission Mode Project” (DMMP) of the Commission.

**A.1.16. College Website**

1. Each and every college /institute shall have its own website which shall contain the following details, to be updated in the first week of every month: -

- a. Details of Dean, Principal and Medical Superintendent including their name, qualification, complete address with telephone and STD code, fax and E-mail etc.
- b. Details of teaching as well as non-teaching staff.
- c. Details of the sanctioned intake capacity of various Undergraduate and Postgraduate courses.
- d. List of students admitted merit-wise category-wise in MBBS and Postgraduate courses for the current and previous academic sessions.
- e. Research work, research grants and research publications during the last one year.
- f. Details of any Continuing Medical Education programmes, conferences and/or any academic activities conducted by the institution.
- g. Details of any awards and achievement received by the students or faculty.
- h. Details of the affiliating University and its Vice-Chancellor and Registrar.
- i. Results of all the examinations of last one year.
- j. Detailed status of recognition of all the courses.
- k. Details of fees for various courses and other costs
- l. Any other requirement as notified from time to time

2. Details of clinical material in the hospital (OPD and IPD) should be updated on a digital dashboard every day.
3. Each and every college/institute shall maintain Daily Biometric Attendance Dashboard of human resources as specified in these regulations.

#### **A.1.17. Biomedical Waste Management**

The Medical Institution must ensure compliance with the Bio-medical Waste (Management & Handling) Rules, 2019 and as notified from time to time. They shall have a robust institutional policy on biomedical waste management of human origin, with a well-defined arrangement for segregation and discarding of biomedical waste. Facilities for biomedical waste management shall be commensurate with the Central/State legislations.

#### **A.1.18. Child Care Centre**

A Child Care Center shall be established in the medical college with adequate facilities for taking care of the infants and the children of staff of the medical college and/or teaching hospital.

### **A.2. DEPARTMENT SPECIFIC REQUIREMENTS**

The additional specific requirements of each department, if any, shall be provided as described in the following sections:

#### **A.2.1. Department of Anatomy**

- i) **Dissection Hall** – There shall be a dissection hall to accommodate 50% of annual student intake (area of atleast 4.20 sq.M/student shall be provided which shall be sufficient for ante-room for students with lockers, wash basins, embalming room, space for storage tanks and cold storage room or cooling cabinets with space sufficient for atleast 1 body/10 student annual intake). It shall be well lit, well-ventilated with exhaust fans. There shall be adequate teaching aids in the hall.

*Desirable: Downdraft Dissection tables, 3D Virtual Anatomy Dissection Table.*

#### **A.2.2. Department of Pathology**

- i) There shall be a separate service laboratory each for histopathology, cytopathology, Hematology and other specialized work of the hospital which shall be suitably equipped
- ii) These service labs shall have adequate storage space for stores and equipment.
- iii) There shall also be a washing room with continuous water supply.
- iv) These service laboratories can be located in either the medical college, teaching hospital or both.

#### **A.2.3. Department of Microbiology**

- i) There shall be a separate service laboratory each for (a) Bacteriology including anaerobic bacteria; (b) Serology; (c) Virology; (d) Parasitology; (e) Mycology; (f) Tuberculosis; and (g) Immunology.
- ii) The service laboratories shall have adequate storage space for stores and equipment
- iii) There shall be separate accommodation for media preparation and storage, autoclaving, and washing with regular and continuous water supply.
- iv) These service laboratories can be located in either the medical college, teaching hospital or both.
- v) The Virology Service Laboratory shall be a BSL-2 level laboratory (as per e-gazette No. MCI-34(41)/2020-Med./103234 notified on 3.6.2020)

#### **A.2.4. Department of Forensic Medicine & Toxicology**

- i) **Postmortem/Autopsy Block** – There shall be a mortuary cum postmortem/ Autopsy Block (approx. 400 sq. M. area) with facilities for cold storage for cadavers, ante-rooms, washing facilities, with an accommodation capacity of 20-25 students, waiting hall, office etc. The location of mortuary/autopsy block should preferably be adjacent to the hospital building and may be shared with the department of Pathology. In case the college is not permitted to carry out medico-legal autopsies, the college shall have a MoU with a government/district hospital for post-mortems to teach and train students.

#### **A.2.5. Department of Community Medicine**

- i) **Primary Health Center/Rural Health Training Center.** Every medical college shall have atleast one primary health center/rural health training center affiliated to it for training of students as described at A.1.14.
- ii) **Urban Health Training Center.** The urban health center shall be owned by the college or should be affiliated to Government owned Health Center. If it is the latter, the academic control shall be with the Dean/Principal of

the medical college for training of students and interns in community oriented primary health care. Adequate transport shall be provided for commuting the staff and students.

#### A.2.6. Department of Pharmacology

- i) **Animal holding area.** For teaching Pharmacology in undergraduate curriculum, the required knowledge and skills should be imparted by using computer assisted module. However, if research and postgraduate training is envisaged, only an animal hold area, as per CPCSEA Guidelines is required.

### A.3. HOSTELS FOR STUDENTS/INTERNS

The College/Institution shall make provision to provide accommodation for atleast 75% of all students enrolled and interns, and all girl students who request for it. Each student shall be provided with independent and separate furniture which shall include chair, table, bed and full size cupboard at the least (provide for atleast 9 sq.M area/student). It is desirable that hostel rooms are either single or double accommodation facilities. Adequate recreational, dining and 24x7 security facilities shall be provided at the hostels.

*Desirable: Accommodation for all students who request for/ require such facility*

*Aspirational: Accommodation for 100% students and interns*

## B. TEACHING HOSPITAL

### B.1 GENERALREMARKS

1. At the time of submission of application to the Medical Assessment and Rating Board of the National Medical Commission for intakes upto 150 MBBS students annually, there shall be available a fully functional hospital for atleast 2 years with 300 beds or in North-East or Hilly States 250 beds, with all necessary infrastructure like OPD, Indoor wards, OTs, ICUs, Casualty, Labour Room, Laboratories, Blood Bank, CSSD, etc having a minimum of 60% indoor bed occupancy. It should also have been providing services in the departments of Medicine, Pediatrics, Dermatology, Surgery, Orthopedics, Obstetrics & Gynecology, Ophthalmology, Otorhinolaryngology, Anesthesiology and Radiology.
2. The hospital building shall conform to the existing national building norms and various local statutory regulations for hospitals taking into consideration the requirements of the hospital as a service provider including administration, registration, records storage, out-patient and inpatient areas, operating theaters, CSSD, ICUs, Radiology and laboratory services, emergency areas, etc. The teaching hospital shall provide for the minimum requirements as prescribed in these regulations.
3. Space for Clinical Teaching Departments, Teaching faculty and Residents.
  - (i) When the teaching hospital and medical college are in a unitary campus, rooms for the clinical departments and its teaching faculty can be provided either in the medical college or in the teaching hospital.
  - (ii) When the teaching hospital and medical college are on separate plots, besides the statutory requirements for the hospital, the teaching hospital shall also have space for the offices of the clinical departments and rooms for the teaching faculty as prescribed at A.1.18

Teaching rooms. The teaching hospital shall have atleast 1 (one) teaching room for each of the Clinical teaching departments with a capacity to accommodate atleast 30 students (as prescribed for the medical college) for clinical cases discussions/demonstrations. Each such room shall have audio-visual facilities. Small group teaching in clinical departments essentially entails out-patient clinic and bed side teaching. However, additional teaching rooms shall be provided as required for any of the Clinical teaching departments.

*Desirable: Internet facilities and connectivity to all teaching areas of the hospital*

### B.2. Outpatient Area.

1. There shall be a minimum daily OPD attendance of 8 patients (old & new) per student intake annually in the specialties/subjects of undergraduate curriculum. However, at the time of Letter of Permission the daily OPD attendance should be atleast 4 patients (old & new) per student intake annually.

*Note: Relaxation up to an extent of 5% in OPD attendance may be allowed, subject to the condition that OPD attendance on three corresponding dates as per date of assessment of preceding three months is in accordance with the applicable norms.*



- The Out-patient areas should have adequate reception and patient waiting halls, consultation rooms, examination rooms and other ancillary facilities commensurate with the clinical specialty department.

### B.3. Indoor Beds.

#### B.3.1. Bed Strength.

- The bed strength of the teaching hospitals at time of recognition for various annual intakes of MBBS students shall be atleast 4 beds/MBBS student intake annually. The distribution of beds and number of units across different clinical teaching departments for MBBS training shall be as indicated below:

Subject	Annual MBBS Student Intake			
	100	150	200	250
	Beds/Units	Beds/Units	Beds/Units	Beds/Units
1. General Medicine	100/4	130/5	195/7	240/8
2. General Surgery	100/4	130/5	195/7	240/8
3. Pediatrics	50/2	75/3	100/4	120/4
4. Orthopedics	50/2	75/3	100/4	120/4
5. Obstetrics & Gynecology	50/2	100/4	120/4	150/5
6. Otorhinolaryngology	10/1	20/2	20/2	30/2
7. Ophthalmology	10/1	20/2	20/2	30/2
8. Respiratory Medicine	10/1	20/1	20/1	30/1
9. Dermatology	10/1	10/1	10/1	10/1
10. Psychiatry	10/1	20/1	20/1	30/1
<b>Total</b>	<b>400/19</b>	<b>600/27</b>	<b>800/33</b>	<b>1000/36</b>
11. Emergency Medicine	30/1	30/1	30/1	30/1
<b>Grand Total</b>	<b>430/20</b>	<b>630/28</b>	<b>830/34</b>	<b>1030/37</b>

- The details of the bed requirements for the different clinical teaching departments from LOP till recognition for annual intakes from 100-250 students is provided in **Annexure I-IV** appended to this regulation.
- There shall be well equipped and updated intensive Care Unit (ICU), Intensive Coronary Care Unit (ICCU), Intensive Respiratory Care unit, Paediatric intensive care (PICU) and Neonatal Intensive care unit (NICU), Critical care Burns unit, Post-op surgical critical care unit, Obstetric HDU/ICU.
- All beds which are available for teaching and training of undergraduate medical students shall be counted towards teaching beds as indicated above.
- Wherever possible, the facilities available in larger tuberculosis and chest diseases hospitals, infectious diseases hospitals and mental hospitals may be utilized for training in these specialties. However, if these hospitals are not under the administrative control of the Medical College, the required beds in these specialties shall have to be provided in the attached teaching hospital itself.
- The medical college and its affiliating teaching hospital should provide for proportionate additional beds, infrastructure, faculty and other human resource in any specialty depending upon the needs and patient load.**

- B.3.2. Indoor bed occupancy.** Average occupancy of indoor beds shall be a minimum of 75% per annum. Provided that it shall be minimum of 60% at the time of inception (50% at the time of inception in North East States and Hill States and notified Tribal Areas).

*Note: Relaxation up to an extent of 5% in bed occupancy (Indoor patients) may be allowed, subject to the*

*condition that the bed occupancy on three corresponding dates as per date of assessment of preceding three months is in accordance with the applicable norms.*

**B.4. Operating Theaters.** The Operating theaters shall conform to existing norms. The minimum number of major and minor operating theaters from LOP till recognition for varying annual intake shall be as indicated in **Annexure I-IV** appended to this regulation..

**B.5. Department of Emergency Medicine**

1. The Department of Emergency Medicine shall be mandatory for all Medical Colleges with effect from the academic year 2022-2023 onwards:
  - (i) All Medical Colleges with recognized MBBS Qualification are required to have a department of Emergency Medicine at the level of recognition as per requirement stipulated above.
  - (ii) All Medical Colleges in any stage of renewal including against increase in intake are required to have department of Emergency Medicine as per the requirement stipulated above.
  - (iii) Any institution seeking to establish a new Medical College
2. The Department shall have the following facilities:
  - (i) Casualty area to receive patients and facilities to triage and stabilize them. There shall be a minimum of 03 trolleys for triage.
  - (ii) There shall be at least 24 trolley-cum-beds of which at least 05 will be for “green category” (can wait- walk in patients who will need medical care at some point), 15 for “yellow category” (Observation – cannot survive without immediate treatment) and 04 for “red category” (immediate – cannot survive without immediate treatment). There shall also be a minimum 06 bedded intensive care unit in the Emergency department adjacent to the casualty area.
  - (iii) There should be minimum 01 Operation theater and 01 plaster room.
  - (iv) Rooms for the staff on duty
  - (v) Decontamination and isolation area should also be available.

**B.6. Department of Radio-diagnosis**

1. There shall be facilities for conventional and static and portable X-rays, fluoroscopy, contrast studies, ultra sonography and computerized tomography. Magnetic resonance imaging shall be available in all teaching hospitals when annual MBBS intake is 200 or more.

Provided that the MRI facility shall be owned and managed by the medical college whenever the medical college/institution starts a postgraduate course in any speciality.

*Desirable: Magnetic resonance imaging shall be desirable for annual intake of 150 or less.*

2. The rooms housing the various diagnostic imaging systems shall be as per the regulatory provisions of the Atomic Energy Regulatory Board (AERB), Government of India.
3. The staff of Radio-Diagnosis department shall be covered by Personal Monitoring System as prescribed by AERB.

**B.7. Department of Physical Medicine and Rehabilitation (PMR).** There shall be a well-equipped department of PMR providing services such as physiotherapy, occupational therapy, speech therapy, etc.

**B.8. Department of Radiation-Oncology (Optional)**

The department of radiation-oncology should be planned in accordance with the regulatory requirements and approval of AERB. It would be desirable that this department be closely connected with the rest of the hospital to facilitate free interaction of the facilities of various disciplines for multidisciplinary management of the patients. Prior BARC approval of the radiation therapy rooms/plan along with complete layout of the entire department is mandatory.

**B.9. Department of Dentistry.**

Where Dental College or Dental wings of medical Colleges exist, the services of teachers of these may be utilized in the instruction of medical students in Dentistry and no separate staff in the Medical College shall be necessary.

**B.10. ART Centre**

Every Teaching Hospital should have Anti-Retroviral Treatment (ART) Centre and facility for management of MDR-TB by the time of 3<sup>rd</sup> renewal (admission of 4<sup>th</sup> Batch of MBBS students).

**B.11. Central Laboratories**

There shall be well-equipped and updated central laboratory preferably along with common collection area for all investigations in histopathology, cytopathology, haematology, immune pathology, microbiology, biochemistry and other specialized work if any. The central laboratory should be co-ordinated by one of the related teaching departments of the medical college.

**B.12. Blood Bank**

There shall be a well-equipped air-conditioned Blood Bank capable of providing component therapy. The Blood bank and Blood transfusion services should conform to the guidelines of the National AIDS Control Organization and as prescribed in Schedule-F Part XII-B to the Drugs and Cosmetics Rules, 1945 amended from time to time.

The Blood Transfusion services should be under the administrative control of the teaching Department of Pathology of the medical college when there is no separate Department of Transfusion Medicine.

**B.13. Pharmacy services.** There shall be 24-hr pharmacy services to cater to the out-patient, emergency and other patients attending the teaching hospital.

**B.14. Laundry and Dietetic services.** The teaching hospital shall have provision for Laundry and Dietetic services.

**B.15. Hospital Waste Management**

The Medical Institution must ensure compliance with the Bio-medical Waste (Management & Handling) Rules, 2019 and as notified from time to time. They shall have a robust institutional policy on biomedical waste management of human origin, with a well-defined arrangement for segregation and discarding of biomedical waste. Facilities for hospital waste management shall be commensurate with the Central/State legislations

**Schedule - II - STAFF REQUIREMENTS****A. GENERAL REMARKS:**

1. Emphasis in medical education being on practical instruction and demonstration in small groups, the number of teachers must be as per provisions of this Schedule adequate to enable such instruction to be imparted effectively.
2. **The teaching staff of all departments of medical college, shall be full-time.**
3. These regulations cover the minimum requirements of under graduate medical education as per the annual MBBS student intake and the minimum patient load indicated in these regulations. However, the medical colleges/institutions and teaching hospital(s) need to make provision for additional staff as indicated below.
  - a) Additional teaching staff shall be provided proportionate to the workload
  - b) Non-teaching staff shall also be required in OPD, Indoors, Operation theatres and Intensive Care areas, emergency care area, labour room, clinical laboratories, or for outreach work where work load is heavy or is of a specialized nature.
  - c) Additional teaching staff shall be required when starting postgraduate courses in accordance with "Postgraduate Medical Education Regulations, 2000".
4. To ensure the exposure of undergraduate students to experienced teachers, it is essential to provide adequate number of higher posts (Professors/Associate Professors) in every teaching department.
5. In department of Anatomy, Physiology, Biochemistry, non-medical teachers may be appointed to the extent of 15% of the total number of posts in the department subject to non-availability of medical teachers. The above mentioned non-medical teachers and the Statistician in the department of Community Medicine should possess qualification in that particular subject from a recognized university as per requirements in Teacher Eligibility Qualification Regulations.
6. **Teachers appointed as faculty in super-specialty departments shall not be counted against the complement of teachers required for under graduate medical education in broad speciality departments. However, teachers appointed in a broad speciality department who also have super-specialty qualifications shall be counted against the complement of teachers required for under graduate medical education in the concerned broad speciality department.**
7. **Visiting faculty.** With a view to enhance the comprehensiveness and quality of teaching of undergraduate students in pre-clinical, para-clinical and clinical departments, Medical Colleges/Medical Institutions can

appoint “Visiting Faculty” on part-time basis as prescribed in “Minimum Qualifications for Teachers in Medical Institutions” regulations over and above the Minimum faculty prescribed in this schedule for 100/150/200/250 MBBS Admissions Annually. The Visiting Faculty, however, shall not be counted for faculty requirement laid down in these regulations.

## B. Staff Requirements

1. The Requirements of Teaching faculty and Tutors/Demonstrators/Senior Residents in various Non-Clinical and Clinical Departments for annual intakes of 100-250 MBBS students shall be as provided in **Annexures I-IV** appended with this regulation.

*Desirable: To provide up to 20% additional teaching faculty than the minimum prescribed*

*Aspirational: To provide 30% or more additional faculty than the minimum prescribed*

2. Each department shall have a Head of the Department of the rank of full time Professor who shall have overall control of the Department except in the departments of Dermatology, Psychiatry and Dentistry where Associate Professor may be the Head of the Department who shall have overall control of the Department.
3. In Clinical Departments, the Staffing pattern of the departments shall be organized on the basis of units with each unit having a Professor/Associate Professor, one Assistant Professor and one senior resident. The numbers of beds per unit shall be as indicated in Annexures I-IV for various annual intakes of MBBS students.
4. **In addition to the staff indicated for the clinical departments, additional Senior Residents and Junior Residents shall be provided according to the load in various areas of the hospital such as wards, Labour room, intensive care areas, emergency wards and clinical laboratories and investigative departments of the hospital for providing services round the clock. Also each unit of the teaching departments should have atleast 02 (two) Junior Residents for patient care.**
5. The departments of Anatomy, Biochemistry, Physiology, Pathology, Pharmacology, Microbiology and Forensic Medicine & Toxicology shall have adequate number of technical staff for providing support to the practical labs. Wherever the departments also have service laboratories to support the teaching hospital, adequate staff (both technical & non-technical) shall be provided.
6. Each department shall have adequate clerical staff as required.
7. **Hospital Staff:** The hospital shall have adequate staff of various cadres as required and conform to existing norms. The nursing staff shall conform to the norms as laid down by the Indian Nursing Council from time to time.
8. **Community Medicine:** Shall have the following staff for the Rural and Urban training Health Centers.
  - a. Staff for rural training health center (including field work)

(i) Medical Officers of Health Centre	2
(atleast one must be a Lady Medical Officer )	
(ii) Medical Social workers	2
(iii) Public Health nurse	1
(iv) Health Assistant (Male)	1
(v) Health Educator	1
(vi) Technician/Technical Assistant	1
(vii) Store keeper cum record clerk	1
  - b. Staff for Urban Training Health center

(i) Medical Officers of Health Centre	2
(atleast one must be a Lady Medical Officer)	
(ii) Medical Social workers	2
(iii) Public Health nurse	1
(iv) Health Inspectors	2
(v) Health Educator	1

(vi)	Technician/Technical Assistant	2
(vii)	Store keeper cum record clerk	1

9. **Department of Physical Medicine and Rehabilitation:** Shall have the following staff -

i	Professor	1
ii	Associate Professor	1
iii	Assistant Professor	1
iv	Senior Residents	2
v	Other staff shall include physiotherapists, occupational therapists, prosthetic & orthotic technicians, multi-rehabilitation therapist, medical Social workers, Speech therapist, counsellors, clinical psychologists and others as required.	

10. The following **ancillary staff** shall be provided in the following departments:

i	<i>Psychiatry:</i>	Psychiatric social worker	2
		Clinical psychologist	1
ii	<i>Pediatrics :</i>	Child Psychologist	1
iii	<i>Obstetrics &amp; Gynecology:</i>	Social worker	2
iv	<i>Otorhinolaryngology:</i>	Audiometry technician	1
		Speech therapist	1
v	<i>Radiotherapy:</i>	Physicist	1
vi	<i>Ophthalmology</i>	Optometrist	1

11. The following staff shall be required for the **Virology Laboratory** in the Department of Microbiology:

(i)	Faculty/Medical Microbiologist trained in Virology	1
(ii)	Technicians (with relevant work experience in Molecular Virology)	2
(iii)	Multi-Tasking Staff	1

12. **Central Library**

i	Librarian (with degree in Library Science)	1
ii	Assistant Librarian	2
iii	Library Assistants	4
iv	Others:	as required

13. **Medical Education Unit**

- i Officer In Charge: Dean/Principal
- ii MEU Coordinator: Professor/Associate Professor (to be nominated by Dean/Principal).  
Should have undergone NMC/MCI Basic and advanced course in Medical Education OR any other M. Med, MHPE, Diploma in Medical Education, FAIMER Fellowship, or IFME.
- iii Faculty: Minimum 8 core faculty including all cadres of Faculty with the following qualifications:  
Have undergone MCI Basic/Revised Basic Course in Medical Education Technology. At least 04 faculty should have received additional educational qualification or training: e.g. NMC/MCI Advanced Course in Medical Education or any other additional qualification like M. Med, MHPE, and Diploma in Medical Education, FAIMER Fellowship or IFME.

iv Supportive staff: As required

### SCHEDULE III

#### EQUIPMENT (for various departments in the College and Hospitals).

Note: These recommendations are minimum requirements and will serve as a guide to the institutions with regard to the equipment required for teaching of MBBS students. For providing service to the attached hospital, the requirements would have to be provided accordingly. They are not meant to be an exhaustive list and the staff of the various departments will use their experience for equipping the departments.

#### 1. ANATOMY

S.No.	NAME OF THE ITEMS	No. Required
(A)	<b>General</b>	
1	Drill machine	As required
2	Hand saw, preferably metal	As required
3	Band saw for sectioning body and limbs	As required
4	Brain knife	As required
5	Mortuary cooler for storing cadavers	As required
6	Storage tank to hold cadavers, static/movable, durable tank with input and output facility with lid	As required
7	Plastic tanks for storing soft and dissected parts	As required
8	Dissecting instruments for cadaveric dissection	As required
9	Meat cutting machine for thin body sections (trans and vertical) for gross anatomy sectional study	As required
10	Embalming Machine	1
(B)	<b>Histology Laboratory</b>	
11	Microscopes, Monocular/Binocular	60
12	Dissection microscope	As required
13	Microtomes, rotary	As required
14	Microtomes, Sledge, large cutting	As required
15	Paraffin embedding bath	As required
16	Hot plates for flattening sections	As required
(C)	<b>Museum</b>	
17	Articulated Skeleton set	As required
18	Bones (Dis-articulated) sets	As required

#### 2. PHYSIOLOGY

S.No.	NAME OF THE ITEMS	No. Required
A	<b>Hematology Laboratory</b>	
1.	Microscopes, oil immersion	60

2.	Demonstration eye piece	3
3.	Double demonstration eye piece	3
4.	Stage incubator	1
5.	Westergren's pipette for E.S.R. on stand(with space pipette)	20
6.	Wintrobe's pipette for ESR and PCV with stand	20
7.	Hemoglobin-meter Sahli's or Hellige (with spaces)	60
8.	Hemocytometer	60
B.	<b>Clinical Physiology</b>	
9.	Tuning fork time marker 100/sec	2
10.	Electrodes	2
11.	Spirit lamps	2
12.	Marey's tambour	2
13.	Perimeter Pristely Smith S/LP.984 B & T	10
14.	Sphygmomanometer (digital) (Mercury based instruments to be replaced with suitable alternatives)	60
15.	Stethoscopes	60
16.	Stethoscopes, demonstration with multiple ear pieces	Desirable
17.	Polygraphs	1
18.	Venous pressure apparatus	1
19.	Spirometer, ordinary	15
20.	Gas analysis apparatus, Halden's student type	1
21.	Van Slyke's apparatus manometric	1
22.	Sherrington Starling kymograph (electrically driven)	2
23.	Gas analyser automatic for CO <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub>	1
24.	Low voltage unit for tapping 2 and 4 volts for stimulation	2
25.	Electromagnetic time marker	2
26.	Douglas bag, complete	1
27.	Basal metabolism apparatus	1
28.	Mosso's Ergograph	10
29.	Clinical thermometer	60
30.	Compass aesthesiometer	30
31.	Thermo-aesthesiometer	30
32.	Algometer	25
33.	Apparatus for passive movement	1
34.	Knee hammer	30
35.	Stethograph	25
36.	Bicycle Ergometer	1
37.	Olfactometer	1
38.	Ophthalmoscope	5

39.	Schematic eye	1
40.	Phakoscope	1
41.	Perimeter with charts (Lister's)	2
42.	Color perception lantern Edridge green	1
43.	Maddox rod	1
44.	Newtons color wheel	1
45.	Tuning fork to test hearing 32-10000 cps(sets-100, 256, 512 Hz)	30
46.	Dynamometer	1
47.	Otoscope	1
48.	Stop watch	15
49.	Multi-channel Physiograph, 3 channels, complete with accessories	2
50.	Student physiograph, (single channel) with accessories	6
51.	Centrifuge, high speed with technometer	1
52.	Colorimeter, photoelectric	1
53.	Myograph stand	2
54.	pH meter electric	1
55.	Electronic stimulator	1
56.	Thermometers, balances, microslides and glassware	As required
57.	Digital Physiograph	1
58.	ECG Machine	2

### 3. BIOCHEMISTRY

S.No.	NAME OF THE ITEMS	No. Required
1.	Analytical Balance :upto 200g/1gm increment	2
2.	Urinometers calibrated (Mercury based instruments to be replaced with other alternatives)	25
3.	Hot air oven (More than 200 litres)	2
4.	Digital Colorimeters	5
5.	Student Microscopes	10
6.	Glucometer with strips ( For POCT )	10
7.	Thermometer 0 – 250 degree Celsius	5
8.	Semi autoanalyser	2
9.	Boiling Water baths	2
10.	Constant temperature water bath Tank Capacity: (Temperature range 5 to 80 degree Celsius)	1
11.	Centrifuge clinical for $\geq 8$ tubes	2
12.	pH meters of wide range digital	5



13.	Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1ml and 0.02ml	10 (of each volume)
14.	Bottle dispensers	As required
15.	Variable and fixed volume micro auto pipettes	As required
16.	ELISA (Demonstration)	Demonstration
17.	Vacutainer Tube	Demonstration
18.	PCR Machine	Demonstration
19.	ABG Machine	Demonstration
20.	Autoanalyzer (either in the institution or elsewhere on a visit)	Demonstration
21.	Complete Chromatographic Unit for paper & TLC	2 each
22.	Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose)	1 each
23.	Densitometer with computer	1
24.	Vortex mixers	2
25.	Incubator 37°C	2
26.	Fume cupboard	1
27.	Digital Analytical Balance	1
28.	Balance Micro	1
29.	Spectrophotometer	1

#### 4. PATHOLOGY

S.No.	NAME OF THE ITEMS	No. Required
(A)	<b>General</b>	
<b>I</b>	<b>Histopathology / Cytopathology for Students</b>	
1.	<b>For Students</b> – LED Binocular with Scanner, 10X, 40X, & Oil immersion lenses and inbuilt Battery backup power source	60
<b>II</b>	<b>Hematology for Students</b>	
2.	Stop watch reading at 1/5 second.	5
3.	Haemo-cytometers with red and white pipettes	90
4.	Staining jars for slides.	As required
<b>III</b>	<b>Clinical Pathology for Students</b>	
1.	Urinometers(Mercury based instruments to be replaced with other alternatives)	As required
2.	Centrifuge tubes graduated.	As required
3.	Graduated cylinders for various capacities ranging from 100 cc to 1000 cc. (For Students)	As required
4.	Pipettes of various sizes with disposal tips. (For Students)	As required
5.	Reagent bottles (For Students)	As required
6.	Dropping bottles (For Students)	As required
7.	Reagents (For Students)	As required

(B)	Morbid Histology and Morbid Anatomy	
1.	Manual Rotary Microtome	2
2.	Automated Rotary Microtome	1
3.	Cryostat	1
4.	Hot plate	2
5.	Paraffin embedding bath	2
6.	Heated Paraffin Embedding Module	2
7.	Cold Plate for Modular Tissue Embedding System	1
8.	Automated Tissue Processor –Histokinette	2
9.	Autoclave	2
10.	Ultrapure water solutions - Distilled water plant	1
11.	Water bath	1
12.	Centrifuge machine	5
13.	Digital SLR at least 20 megapixel with micro, macro, wide angle zoom lenses, Flash and other accessories	1
14.	Digital Automatic camera > 5 megapixel	1
15.	Fully Automated high throughput Multi-Stainer Workstation	1
16.	Fully Automated Embedding System (Heated embedding module & cold plate)	1
17.	Fully Automated Flexible Coverslipping Workstation	1
18.	Standalone paraffin dispensing module cold plate holding more than 100 cassettes	1
19.	Stand-alone cold plate	1
20.	Coplin jars	As required
21.	Water bath (Tissue Floatation)	As required
22.	Single Pan Digital Balance, Chemical	2
23.	Balance, chemical with weights	2
24.	<b>Microscopes</b>	
25.	<b>For Diagnostic &amp; Research Work</b> - Trinocular head Microscope with Bright field, Dark field, Fluorescent & Polarizing Facility, high end Apochromatic lenses with Camera with HDMI Multi output camera Minimum 5MP with Projector & Ultra HD TV > 52 inches & Screen including Software Capable of Brightfield& Immunofluorescence Photographywith connectivity to projector & LED TV (At least 55 inches Ultra HD)	1
26.	<b>Penta Head Microscope with High end Optics</b> with HDMI Multi output Photographic Camera (> 5 MP) including Software	1
27.	Deca Head Microscope with High end Optics with HDMI Multi output Photographic camera (> 5 MP) including Software	1
28.	<b>Grossing Station</b> - Stainless steel, with Control panel, air filtration system, Track mounted adjustable computer	

	arm with articulation, LED lights that are color and intensity, Dedicated USB ports for camera control and data transfer adjustable, Integrated pathology camera system, Instrument Set (High quality) Height Adjustable Stainless Steel Chairs With Split AC of appropriate capacity.	1
29.	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.	1
(C)	<b>Hematology Lab:</b>	
30.	Five part Fully Automated Cell Counter	1
31.	Three Part Fully Automated Cell Counter	1
32.	Coagulometer (Fully automated)	1

### 5. PHARMACOLOGY

S.No.	NAME OF THE ITEMS	No. Required
(A)	<b>Clinical Pharmacy</b>	
1	Special Drug Delivery systems like Metered Dose Inhalers, Spacers, Rotahalers, Nasal sprays, Transdermal patches, Insulin infusion pumps (optional), Insulin pen etc.	10 sets
2	Samples of dosage formulations of various types including rational and irrational FDC, Essential medicines	10 sets
3	Manikins for demonstration of intravenous injection, enema, local, intramuscular injections, intracardiac injection and other routes of drug administration	10 sets
(B)	<b>Computer Assisted Learning Laboratory</b>	
4	Must have computers with standard configuration and connected to the internet, (Preferably broadband) along with an AV aids (Multimedia Projector and Screen). The PC should be installed with CAL programmes and other software for teaching experimental pharmacology. The students must have access to the National Essential Drug Lists, Standard Treatment Guidelines, Banned Drugs List of the CDSCO, PVPI, WHO, Price Controlled Drugs List, Antibiotic Guidelines, Hospital formulary, adverse drug reactions, and other resource material which the student can use for  learning the principles of rational prescribing.	25 computers

### 6. MICROBIOLOGY

S.No.	NAME OF THE ITEMS	No. Required
(A)	<b>For Students</b>	
1.	Microscopes (Specified as in Pathology)	As required

2.	Culture Plates/ Petri Dishes	As required
3.	Glass wares including Pasteur Pipettes	As required
4.	Facility for heating slides	As required
<b>(B)</b>	<b>General</b>	
1	Anaerobic apparatus	2
2	Autoclave	2
3	Balance Electronic Digital	1
4	Biosafety Cabinet Type - 2A	3
5	BOD Incubator	1
6	Centrifuge	3
7	CO2 Incubator/Candle Jar	2
8	Computer Unit	2
9	Deep Freeze -20° C & Deep Freezer	1 each
10	Distilled water Plant	1
11	Elisa Reader	1
12	Elisa Washer	1
13	Hot Air Oven	2
14	Incubator	2
15	Lab Refrigerator (minimum 400 litres)	3
16	Laminar flow	1
17	Micrometer eye pieces	1
18	Micrometer stage	1
20	Microscope Binocular	Every Faculty
21	Microscope with universal condenser containing oil immersion, Bright field, Phase Contrast & Dark ground	1
23	pH determination apparatus	2
24	Serum inspissators	1
25	VDRL shaker	1
26	Vortex Mixer	2
27	Water bath with variable temperature	2
28	Oil-immersion lens for student microscope	25
29	Automated Blood Culture System	1
30	Colony Counter	1
<b>(C)</b>	<b>Consumables for Culture and Serological Diagnosis</b>	
31	Antibiotic Discs for Antibiotic susceptibility testing	As required
32	Antibiotic zone scale	As required
33	Antisera-Salmonella	As required
34	Antisera- <i>Shigelladysenteriae</i>	As required
35	Antisera- <i>Shigella flexnari</i>	As required

36	Antisera- <i>Shigellasonnie</i>	As required
37	Antisera- <i>Vibrio cholerae</i>	As required
38	ATCC strain - <i>Enterococcus faecalis</i> 29213	As required
39	ATCC strain - <i>E.coli</i> 25922	As required
40	ATCC strain - <i>E.coli</i> 35218	As required
41	ATCC strain - <i>Pseudomonas aeruginosa</i> 27853	As required
42	ATCC strain - <i>Staphylococcus aureus</i> 25923	As required
43	ATCC strain - <i>Staphylococcus aureus</i> 29213	As required
44	Bottles for blood culture	As required
45	Micropipettes – Multi channel & Single channel	As required
46	Digital Thermometers of different temperatures	As required
<b>(D)</b>	<b>BSL 2 Lab</b>	
47	-80°C deep freezer with UPS	1
48	Real-time PCR machine calibrated for the fluorophore dyes with UPS (2 nos., 2KVA each, with 2 hours back-up)	1
49	Microcentrifuge / Refrigerated Centrifuge	1
50	(a) Personal protective equipment (PPE) (b) Viral Transport Medium (VTM) (c) All other consumables and kits as required for Virology studies.	As required

## 7. FORENSIC MEDICINE & TOXICOLOGY

S.No.	NAME OF THE ITEMS	No. Required
1	Anthropometric Set including	1
	A) Folding Metal Rod Upto 7 Ft	
	B) Osteometric Board	
	C) Craniometer	
	D) Mandibulometer	
	E) Goniometer	
	F) Vernier Calipers	
	G) Equipment for Reporting Height	
	H) Weighing Machine Dial Type Human	
2	Digital pH Meter	1
3	Digital Spectrophotometer	1
4	Chemical Balance	1
5	Distillation Plant	1
6	Refrigerator	1

7	Centrifuge	1
8	Slide Warming Table	1
9	Hot Plate	1
10	Spectroscopic Lens With Adjustable Slit	2
11	Dissection Set Complete	2
12	Digital BP Instrument	2
13	Stethoscope	2
	<b>Medico legal work</b>	
14	Cold Storage For Dead Bodies	As required
15	Weighing Machine For Dead Bodies	1
16	Autopsy Tables	As required
17	Stryker Type Autopsy Saw With Accessories	2
18	Weighing Machine For Organs	2
19	Weighing Machine For Fetus	2
20	Dissection Set Complete	4
21	Brain Knife	2
22	Hack Saw	2
23	Rib Shear Left & Right	1 Each
24	Measuring Tape( Steel Tape Roll)	2
25	Magnifying Lens	2
26	X- Ray View Box (4 In 1)	1
27	Tooth Extractor Left & Right	1
28	Hand Set Heat Sealer	1
29	Instrument Trolley	As required
30	Rectal Thermometer	1
31	Portable X-ray Machine (can be shared with Radiology Department)	1
	<b>Additional Equipment For Medico Legal Work For Each 500 Medico legal Post Mortems Beyond 500 Post Mortems Annually</b>	
32	Cold Storage For Dead Bodies	As required
33	Autopsy Tables	As required
34	Stryker Type Autopsy Saw With Accessories	1
35	Weighing Machine For Organs	1
36	Weighing Machine For Fetus	1
37	Dissection Set Complete	1
38	Brain Knife	2
39	Hack Saw	2
40	Rib Shear Left & Right	1 Each
41	Measuring Tape( Steel Roll)	2

42	Magnifying Lens	2
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**8. COMMUNITY MEDICINE**

S.No.	NAME OF THE ITEMS	No. Required
1	Hydrometer, milk	2
2	Incubator, electric (can be procured from Microbiology)	1
3	Balance for weighing food stuff(Capacity 2 Kg).	1
4	Centrifuge clinical	1
5	Weighing machine adult	6
6	Baby weighing machine	2
7	Salters Baby weighing machine	2
8	Harpden Calipers (for skinfold thickness)	2
9	Height measuring stand	3
10	Refrigerator 9 cu.ft.	3 + Additional one each at RHTC and UHTC
11	Ice Lined Refrigerator (I.L.R.) (at Health Centre)	1
12	Smart TV	1
13	Vehicles for transport of students/interns/faculty/paramedical staff to the RHTC and UHTC	1 Bus(32 capacity)& 1SUV
14	Multimedia Projector with Screen	2
15	Public Address system (2 portable for field based activities and one each for RHTC & UHTC)	4 Sets
16	Chloroscope	10
17	Horrock's Apparatus	3
18	MUAC tapes	10
19	Haemoglobinometer	5
20	BP Apparatus (Digital)	10
21	Stethoscope	10
22	Sound level meter	3
23	Water sampling bottle from any depth	1
24	Needle Shredder	3
25	Vaccine carrier	5
26	Craft water testing kit	1
27	Treatment kits as per national health programs	3 each
28	Iodine testing kit	10
29	Glucometer	10
30	Mosquito catching kit	1
31	Clinical Thermometer	10
32	First Aid Kit	1
33	Otoscope	1

34	Ophthalmoscope	1
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### 9. SKILLS LABS

(i) Trainer simulators / models / mannequins for:

- First aid, Bandaging, splinting
- Basic Life Support (BLS), CPR (Cardio Pulmonary Resuscitation) mannequin
- Various types of injections- Subcutaneous, Intra-muscular, Intra-venous
- Urine Catheter insertion
- Skin & Fascia suturing
- Breast examination model /mannequin
- Gynecological examination model/mannequin including IUCD (Intra Uterine Contraceptive Device) Training model
- Obstetrics mannequins including Obstetric examination, conduct and management of vaginal delivery.
- Neonatal & Pediatric resuscitation mannequins
- Whole body mannequins
- Trauma mannequin

(ii) Each model (Low or High Fidelity) should have a module for training including objectives, methods and assessment. Modules can also have hybrid models where real patients or standardized/simulated patients/ computer simulations can be used.

(iii) There shall also be space for CAL lab with adequate computers.

### 10. CLINICAL DEPARTMENTS

- i. All clinical departments must have all equipment as expected for provision of standard clinical care and treatment.
- ii. Each clinical Department must have available a separate set of instruments needed for demonstration for undergraduate students.

#### 10.1 DEPARTMENT OF RADIO-DIAGNOSIS

S.No.	NAME OF THE ITEMS	No. Required
1	Static X-ray units (Direct digital/CR)	As per annexures I-IV
2	Fluroscopy facilities	Available
3	Mobile X-ray units $\geq 60\text{mA}$	As per annexures I-IV
4	Ultrasonography equipment with color doppler	As per annexures I-IV
5	CT scan machine ( $\geq 16$ slice)	1
6	MRI (desirable for annual intake of 150 or less; mandatory for annual intakes of 200 and above)	1

#### 10.2 DEPARTMENT OF EMERGENCY MEDICINE

S. No.	Name of Items	No. Required
1.	ICU beds (should have facilities for propping up the patient along with railings and wheels)	06



S. No.	Name of Items	No. Required
2.	Emergency trolley-cum-beds (Should have facilities for propping up the patient along with railings and wheels)	24
3.	Central oxygen and suction points	All beds/bed-cum-trolleys
4.	Cardiac monitors (with EtCO <sub>2</sub> facility) with appropriate accessories for all age groups- including neonates, infants, children, adolescents and adults	For all ICU and "Red" beds
5.	Cardiac monitors (for NIBP, Oxygen saturation and heart rate): (atleast 2 should have additional pulse oximeter probes and Blood pressure cuffs for neonates, infants, children and adolescents)	For all "Yellow" beds
6.	Pulse oximeter with probes for all age groups including neonates, infants, children and adolescents	02
7.	Defibrillator with external pacer (with additional attachments/ paddles for pediatric age group)	One for ICU and one for "Red" area
8.	ECG machine (12 lead)	02
9.	ICU ventilators (should be universal ventilators with facility to ventilate neonates and children also)	For each ICU and "Red" area beds
10.	Transport ventilators (with facility of deliver tidal volume as low as 50 mL and have pressure control mode)	02
11.	HHHFNC (heated humidified high-flow nasal cannula) with circuits and interfaces for all age groups (neonates, infants, children, adolescents and adults)	02
12.	Trolleys/Fowler beds	As per total number of beds/trolleys plus additional trolleys for receiving patients (10% of total patient attendance in Emergency Medicine)
13.	Infusion pumps	2 per ICU bed and "Red" beds; one per "Yellow" bed
14.	Portable ultrasound with multiple probes including ECHO probe (including probes for pediatric/ infant evaluation)	02
15.	Portable X-ray unit	01
16.	Resuscitation cart	One for ICU and one for the "Red" area
17.	Artificial self-inflating breathing bag	Four sets(adult, pediatric, infant and neonatal) with Face masks – Of all sizes

<b>S. No.</b>	<b>Name of Items</b>	<b>No. Required</b>
18.	Laryngoscope with all sized blades(straight and curved) including sizes for neonates, infants and children	Four sets
19.	Point-of-care laboratory for quantitative estimation of cardiac enzymes, ABG and electrolytes	Atleast one
20.	Oxygen cylinders	04
21.	Portable suction machines	04
22.	Ultrasonic nebulizers	04
23.	Spine boards with slings and scotch tape of all sizes	02
24.	Splints for all types of fractures	As required
25.	Basic equipment for suturing and wound care	As required
26.	Glucometer	02
27.	ACLS, BLS and Airways mannequins (child and adult)	01 each
28.	Suturing mannequin	01
29.	Infant radiant warmer with bassinet	02
30.	Blood and Fluid warmer	01
31.	Electric Warming blanket	01
32.	Rapid autoclave machine	01
33.	Labor cot	01

#### **11. MEDICAL EDUCATION UNIT**

The equipment for this unit shall be as prescribed by the National Medical Commission from time to time.

Dr. R.K. VATS, Secy.

[ADVT.III/4/Exty./322/2020-21]

**ANNEXURE I: Requirements to be fulfilled by the applicant colleges for obtaining Letter of Intent and Letter of Permission for Establishment of New Medical College & Yearly Renewals for 100 M.B.B.S. admissions annually**

S.No.	Infrastructural facilities	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition	
1.	Lecture Theatre* [ College building]	a) Number	2	2	3	3	4	4
		b) Capacity	120	120	120	120	120	120
2.	Practical Laboratories	In College	3	8	8	8	8	8
3.	Teaching Rooms	Capacity @ 25 students	2	2	2	2	2	2
		@ 50 students	1	1	1	1	1	1
4.	Central Library	a) Area (sq. m)	1000	1000	1000	1000	1000	1000
		b) Seating Capacity	200	200	200	200	200	200
		c) Books	1500	1500	3000	3000	3000	3000
		d) Journals	10	20	30	30	30	30
5.	Hostels	a) Students @75%	75	150	225	300	375	450
		b) Interns @75%	-	-	-	-	-	75
	Bed Distribution							
6.	Medicine & Allied	a) Gen. Medicine	78/3	The beds should be increased proportionately between LOP and III Renewal	100/4	50/2	10/1	100/4
		b) Pediatrics	24/1					50/2
		c) TB & Chest	10/1					10/1
		d) Skin	10/1					10/1
		e) Psychiatry	10/1					10/1
		<b>Total</b>	<b>132/7</b>					<b>180/9</b>
7.	Surgery & Allied	a) Gen. Surgery	78/3		100/4	100/4		
		b) Orthopedics	25/1		50/2	50/2		
		c) Ophthalmology	10/1		10/1	10/1		
		d) ENT	10/1		10/1	10/1		
		<b>Total</b>	<b>123/6</b>		<b>170/8</b>	<b>170/8</b>		
8.	Obstetrics & Gynecology	a) OBG & ANC	25/1		25/1	25/1		
		b) Gynecology	20/1	25/1	25/1			
		<b>Total</b>	<b>45/2</b>	<b>50/2</b>	<b>50/2</b>			
	<b>Grand Total (A1)</b>	<b>300</b>						

\*If the Hospital and Medical college are not in a unitary campus, 1 additional Lecture theater of 120 seating capacity must be available in the teaching hospital

S.No.	Infrastructural facilities		LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
	North East & Hilly States							
9.	Medicine & Allied	a) Gen. Medicine	72/3	The beds should be increased proportionately between LOP and III Renewal		100/4		100/4
		b) Pediatrics	18/1			50/2		50/2
		c) Respiratory Medicine	6/1			10/1		10/1
		d) Dermatology	6/1			10/1		10/1
		e) Psychiatry	6/1			10/1		10/1
		<b>Total</b>	<b>108/7</b>			<b>180/9</b>		<b>180/9</b>
10.	Surgery & Allied	a) Gen. Surgery	68/3			100/4		100/4
		b) Orthopedics	24/1			50/2		50/2
		c) Ophthalmology	10/1			10/1		10/1
		d) ENT	10/1			10/1		10/1
		<b>Total</b>	<b>112/6</b>	<b>170/8</b>	<b>170/8</b>			
11.	Obstetrics & Gynecology	a) OBG & ANC	20/1	25/1	25/1			
		b) Gynecology	10/1	25/1	25/1			
		<b>Total</b>	<b>30/2</b>	<b>50/2</b>	<b>50/2</b>			
	<b>Grand Total (A2)</b>		<b>250/15</b>			400/19		400/19
12.	Emergency Medicine		30/1			30/1		30/1
	<b>Grand Total (B)</b>		<b>330/16</b>			<b>430/20</b>		<b>430/20</b>
	<b>Grand Total For North East &amp; Hilly States</b>		<b>280/16</b>			<b>430/20</b>		<b>430/20</b>
13.	OPD (patients/day)		400	500	600	800	800	800
14.	Bed Occupancy (%)		60%	60%	60%	75%	75%	75%
15.	OTs	a) Major OT	4	4	5	7	7	7
		b) Minor OT	Every surgical specialty shall have atleast one well equipped Minor OT attached to it					
16.	ICUs	ICCU	5	5	5	5	5	5
		ICU	5	5	5	5	5	5
		Surgical ICU	5	5	5	5	5	5
		PICU	5	5	5	5	5	5
		NICU	5	5	5	5	5	5
		Obstetric HDU/ICU	5	5	5	5	5	5
17.	Radio-diagnosis	a) Static unit – atleast 2 ≥ 500mA (DR/CR system)	2	2	2	3	3	3
		b) Mobile unit ≥60 mA	2	2	2	3	3	3

		c) USG (with Color doppler)	2	2	2	3	3	3
		d) CT Scan( $\geq$ 16 slice- spiral)	-	-	1	1	1	1
18.	Rural Health Training Centre:	Every medical college shall have one Rural Health Training Center affiliated to it from 2 <sup>nd</sup> batch (1 <sup>st</sup> Renewal) onwards (as specified in the regulations)						
19.	Urban Health Training Centre	Every medical college shall have one Urban Health Training Center affiliated to it from 2 <sup>nd</sup> batch (1 <sup>st</sup> Renewal) onwards (as specified in the regulations)						

**ANNEXURE I(A): Requirements of Faculty & Residents for 100 M.B.B.S. admissions annually**

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Anatomy	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	3	3	3	3	3	3
Physiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	3	3	3	3	3	3
Biochemistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	3	3	3	3	3	3
Pharmacology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	1	3	3	3	3	3
Pathology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	2	2	2	2	2
	Asst.Prof.	1	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	1	4	4	4	4	4
Microbiology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	1	4	4	4	4	4
Forensic Medicine	Professor	0	1	1	1	1	1
	Assoc. Prof.	0	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	1	2	2	2	2	2

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIInd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Community Medicine	Professor	0	1	1	1	1	1
	Assoc. Prof.	0	2	2	2	2	2
	Asst.Prof.	1	3	3	3	3	3
	Statistician (Tutor/Asst. Prof)	0	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	1	3	3	3	3	3
General Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	3	3	3
	Asst.Prof.	3	3	3	4	4	4
	Sr. Resident	3	3	3	4	4	4
Pediatrics	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	1	1	2	2	2
	Sr. Res	1	1	1	2	2	2
Dermatology	Professor	0*	0*	0*	0*	0*	0*
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Psychiatry	Professor	0*	0*	0*	0*	0*	0*
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Respiratory Medicine	Professor	0*	0*	0*	0*	0*	0*
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
*Professor/Associate Professor							

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIInd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
General Surgery	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	3	3	3
	Asst.Prof.	3	3	3	4	4	4
	Sr. Res	3	3	3	4	4	4
Orthopedics	Professor	0	1	1	1	1	1

	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	1	1	2	2	2
	Sr. Resident	1	1	1	2	2	2
Oto-rhino-laryngology	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	0	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Res	1	1	1	1	1	1
Ophthalmology	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	0	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Obstetrics & Gynecology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Sr. Resident	2	2	2	2	2	2
Anesthesiology	Professor	0	0	0	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	2	2	3	4	4	4
	Sr. Resident	1	1	2	3	3	3
Radiodiagnosis	Professor	0	0	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	2	2	2	2	2	2

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Dentistry	Professor	0	0	0	0	0	0
	Assoc. Prof.	0	0	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Res	0	1	1	1	1	1
Emergency Medicine	Professor	0	0	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	6	6	9	9	9	9

**Notes: For purpose of working out the deficiency:**

1. The deficiency of teaching faculty and Tutors/Demonstrators/Resident Doctors shall be counted separately.
2. **For Teaching Faculty:**
  - (b) For calculating the deficiency of faculty, Prof., Assoc. Prof., and Asst. Prof in respective departments shall be counted together.
  - (c) Any excess teaching faculty in higher cadre can compensate the deficiency of lower cadre of the same department only.
  - (d) Any excess teaching faculty of lower cadre/ category in any department cannot compensate the deficiency of any teaching faculty in the higher cadre/category of the same department or any other department e.g. excess of Assistant Professor cannot compensate the deficiency of Associate Professor or Professor.
  - (e) Excess/Extra teaching faculty of any department cannot compensate the deficiency of any teaching faculty in any other department.
3. **For Tutors/Demonstrators/Resident Doctors:**
  - (a) Excess Tutors/Demonstrators/SR of any department cannot compensate the deficiency of Tutor/Demonstrator/ SR in any other department.
  - (b) Any excess/ extra teaching faculty of same or any other department cannot compensate the deficiency of Tutor/Demonstrator/SR.  
e.g. excess of Assistant Professor cannot compensate the deficiency of Tutor/Demonstrator/SR.
4. A separate department of Dentistry/Dental faculty is not required where a dental college is available in same campus/city and run by the same management.
5. Colleges running PG program require additional staff, beds & other requirements as per the PG Regulations – 2000.

Designation	LOP	Ist Renewal	IInd Renewal	IIIrd Renewal	IVth Renewal	Recognition
Faculty	50	74	80	90	90	90
Tutor/Demon./SR	38	49	53	60	60	60
Statistician	0	1	1	1	1	1

**ANNEXURE II: Requirements to be fulfilled by the applicant colleges for obtaining Letter of Intent and Letter of Permission for Establishment of New Medical College & Yearly Renewals for 150 M.B.B.S. admissions annually**

S.No.	Infrastructural facilities		LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition	
1.	Lecture Theatre* [ College building]	a) Number	2	2	3	3	4	4	
		b) Capacity	180	180	180	180	180	180	
2.	Practical Laboratories	In College	3	8	8	8	8	8	
3.	Teaching Rooms	Capacity @ 25 students	2	1	4	4	4	4	4
		@ 50 students					4	4	4



4.	Central Library	e) Area (sq. m)	1000	1000	1000	1000	1000	1000
		f) Seating Capacity	300	300	300	300	300	300
		g) Books	3000	3000	4500	4500	4500	4500
		h) Journals	30	40	45	45	45	45
5.	Hostels	a) students @75%	110	225	330	450	550	675
		b) Interns @75%	-	-	-	-	-	110
Bed Distribution								
6.	Medicine & Allied	a) Gen. Medicine	78/3	The beds should be increased proportionately between LOP and III Renewal		130/5		130/5
		b) Pediatrics	24/1			75/3		75/3
		c) Respiratory Medicine	10/1			20/1		20/1
		d) Dermatology	10/1			10/1		10/1
		e) Psychiatry	10/1			20/1		20/1
		Total	<b>132/7</b>			<b>255/11</b>		<b>255/11</b>
7.	Surgery & Allied	a) Gen. Surgery	78/3			130/5		130/5
		b) Orthopedics	25/1			75/3		75/3
		c) Ophthalmology	10/1			20/2		20/2
		d) ENT	10/1			20/2		20/2
		Total	<b>123/6</b>	<b>245/12</b>	<b>245/12</b>			
8.	Obstetrics & Gynecology	a) OBG & ANC	25/1	50/2	50/2			
		b) Gynecology	20/1	50/2	50/2			
		Total	<b>45/2</b>	<b>100/2</b>	<b>100/2</b>			

\* If the Hospital and Medical college are not in a unitary campus, 1 additional Lecture theater of 150 seating capacity must be available in teaching hospital

S.No.	Infrastructural facilities	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIrd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
9.	Emergency Medicine	30/1			30/1		30/1
	<b>Grand Total</b>	<b>330/16</b>			<b>600/27</b>		<b>600/27</b>
10.	OPD (patients/day)	600	600	750	900	1200	1200
11.	Bed Occupancy (%)	60%	60%	60%	75%	75%	75%
12.	OTs	a) Major OT	4	5	7	9	9
		b) Minor OT	Every surgical specialty shall have atleast one well equipped Minor OT attached to it				
13.	ICUs	ICCU	10	10	10	10	10

		ICU	10	10	10	10	10	10
		Surgical ICU	10	10	10	10	10	10
		PICU	10	10	10	10	10	10
		NICU	10	10	10	10	10	10
		Obstetric HDU/ICU	10	10	10	10	10	10
14.	Radio-diagnosis	a) Static unit – atleast 2 $\geq$ 500mA (DR/CR system)	2	2	2	4	4	4
		b) Mobile unit $\geq$ 60 mA	2	2	2	4	4	4
		c) USG (with Color doppler)	2	2	2	3	3	3
		d) CT Scan( $\geq$ 16 slice- spiral)	-	-	1	1	1	1
15.	Rural Health Training Centre:	Every medical college shall have one Rural Health Training Center affiliated to it from 2 <sup>nd</sup> batch (1 <sup>st</sup> Renewal) onwards (as specified in the regulations)						
16.	Urban Health Training Centre	Every medical college shall have one Urban Health Training Center affiliated to it from 2 <sup>nd</sup> batch (1 <sup>st</sup> Renewal) onwards (as specified in the regulations)						

**ANNEXURE II(A): Requirements of Faculty & Residents for 150 M.B.B.S. admissions annually**

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Anatomy	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	3	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	5	5	5	5	5	5
Physiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	3	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	3	3	3	3	3	3
Biochemistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Pharmacology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	2	2	2	2	2
	Asst.Prof.	0	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	1	4	4	4	4	4
Pathology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	3	3	3	3	3
	Asst.Prof.	1	3	3	3	3	3

	Tutor/Demonstrator/Sr. Res	1	5	5	5	5	5
Microbiology	Professor	0	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	0	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	1	4	4	4	4	4
Forensic Medicine	Professor	0	1	1	1	1	1
	Assoc. Prof.	0	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	1	3	3	3	3	3

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Community Medicine	Professor	0	1	1	1	1	1
	Assoc. Prof.	0	2	2	2	2	2
	Asst.Prof.	1	4	4	4	4	4
	Statistician (Tutor/Asst. Prof)	0	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	1	4	4	4	4	4
General Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	4	4	4
	Asst.Prof.	3	3	3	5	5	5
	Sr. Resident	3	3	3	5	5	5
Pediatrics	Professor	0	0	0	1	1	1
	Assoc. Prof.	1	1	1	2	2	2
	Asst.Prof.	1	1	1	3	3	3
	Sr. Res	1	1	1	3	3	3
Dermatology	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Psychiatry	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Respiratory Medicine	Professor	0	0	0	0	0	0
	Assoc. Prof.	0	0	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
General Surgery	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	4	4	4
	Asst.Prof.	3	3	3	5	5	5
	Sr. Res	3	3	3	5	5	5
Orthopedics	Professor	0	0	0	1	1	1
	Assoc. Prof.	1	1	1	2	2	2
	Asst.Prof.	1	1	1	3	3	3
	Sr. Resident	1	1	1	3	3	3
Oto-rhino- laryngology	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	0	0	1	1	1
	Asst.Prof.	1	1	1	2	2	2
	Sr. Res	1	1	1	2	2	2
Ophthalmology	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	0	0	1	1	1
	Asst.Prof.	1	1	1	2	2	2
	Sr. Resident	1	1	1	2	2	2
Obstetrics & Gynecology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	3	3	3
	Asst.Prof.	2	2	2	4	4	4
	Sr. Resident	2	2	2	4	4	4
Anesthesiology	Professor	0	0	1	1	1	1
	Assoc. Prof.	2	2	2	3	3	3
	Asst.Prof.	2	2	2	5	5	5
	Sr. Resident	2	2	2	3	3	3
Radiodiagnosis	Professor	0	0	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	2	2	3	3	3	3

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIRD Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Dentistry	Professor	0	0	0	1	1	1
	Assoc. Prof.	0	0	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Res	1	1	1	1	1	1
Emergency Medicine	Professor	0	0	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	6	6	9	9	9	9

**Notes: For purpose of working out the deficiency:**

1. The deficiency of teaching faculty and Tutors/Demonstrators/Resident Doctors shall be counted separately.
2. **For Teaching Faculty:**
  - (a) For calculating the deficiency of faculty, Prof., Assoc. Prof., and Asst. Prof in respective departments shall be counted together.
  - (b) Any excess teaching faculty in higher cadre can compensate the deficiency of lower cadre of the same department only.
  - (c) Any excess teaching faculty of lower cadre/ category in any department cannot compensate the deficiency of any teaching faculty in the higher cadre/category of the same department or any other department e.g. excess of Assistant Professor cannot compensate the deficiency of Associate Professor or Professor.
  - (d) Excess/Extra teaching faculty of any department cannot compensate the deficiency of any teaching faculty in any other department.
3. **For Tutors/Demonstrators/Resident Doctors:**
  - (a) Excess Tutors/Demonstrators/SR of any department cannot compensate the deficiency of Tutor/Demonstrator/ SR in any other department.
  - (b) Any excess/ extra teaching faculty of same or any other department cannot compensate the deficiency of Tutor/Demonstrator/SR e.g. excess of Assistant Professor cannot compensate the deficiency of Tutor/Demonstrator/SR.
4. A separate department of Dentistry/Dental faculty is not required where a dental college is available in same campus/city and run by the same management.
5. Colleges running PG program require additional staff, beds & other requirements as per the PG Regulations – 2000.

Designation	LOP	Ist Renewal	IInd Renewal	IIIRD Renewal	IVth Renewal	Recognition
Faculty	54	78	83	116	116	116
Tutor/Demon./SR	43	58	62	76	76	76
Statistician	0	1	1	1	1	1

**ANNEXURE III: Requirements to be fulfilled by the applicant colleges for obtaining Letter of Intent and Letter of Permission for Establishment of New Medical College & Yearly Renewals for 200M.B.B.S. admissions annually**

S.No.	Infrastructural facilities		LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	II <sup>nd</sup> Renewal (3 <sup>rd</sup> Batch)	III <sup>rd</sup> Renewal (4 <sup>th</sup> Batch)	IV <sup>th</sup> Renewal (5 <sup>th</sup> Batch)	Recognition
1.	Lecture Theatre* [ College building]	a) Number	4	4	4	4	4	4
		b) Capacity	240	240	240	240	240	240
2.	Practical Laboratories	In College	8	8	8	8	8	8
3.	Teaching Rooms	Capacity @ 25 students	7	7	7	7	7	7
		@ 50 seats	7	7	7	7	7	7
4.	Central Library	i) Area (sq. m)	1500	1500	1500	1500	1500	1500
		j) Seating Capacity	400	400	400	400	400	400
		k) Books	6000	6000	6000	6000	6000	6000
		l) Journals	60	60	60	60	60	60
5.	Hostels	a) students @75%	900	900	900	900	900	900
		b) Interns @75%	-	-	-	-	-	150
	Bed Distribution							
6.	Medicine & Allied	a) Gen. Medicine	195/7			195/7		195/7
		b) Pediatrics	100/4			100/4		100/4
		c) Respiratory Medicine	20/1			20/1		20/1
		d) Dermatology	10/1			10/1		10/1
		e) Psychiatry	20/1			20/1		20/1
		<b>Total</b>	<b>345/14</b>			<b>345/14</b>		<b>345/14</b>
7.	Surgery & Allied	a) Gen. Surgery	195/7			195/7		195/7
		b) Orthopedics	100/4			100/4		100/4
		c) Ophthalmology	20/2			20/2		20/2
		d) ENT	20/2			20/2		20/2
		<b>Total</b>	<b>335/15</b>			<b>335/15</b>		<b>335/15</b>
8.	Obstetrics & Gynecology	a) OBG & ANC	60/2			60/2		60/2
		b) Gynecology	60/2			60/2		60/2
		<b>Total</b>	<b>120/4</b>			<b>120/4</b>		<b>120/4</b>

\* If the Hospital and Medical college are not in a unitary campus, 1 additional Lecture theater of 200 seating capacity must be available in teaching hospital

S.No.	Infrastructural facilities	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
9.	Emergency Medicine	30/1	30/1	30/1	30/1	30/1	30/1
	<b>Grand Total</b>	<b>830/34</b>	<b>830/34</b>	<b>830/34</b>	<b>830/34</b>	<b>830/34</b>	<b>830/34</b>
10.	OPD (patients/day)	1600	1600	1600	1600	1600	1600
11.	Bed Occupancy (%)	75%	75%	75%	75%	75%	75%
12.	OTs						
	a) Major OT	10	10	10	10	10	10
	b) Minor OT	Every surgical specialty shall have atleast one well equipped Minor OT attached to it					
13.	ICUs						
	ICCU	15	15	15	15	15	15
	ICU	15	15	15	15	15	15
	Surgical ICU	15	15	15	15	15	15
	PICU	15	15	15	15	15	15
	NICU	15	15	15	15	15	15
	Obstetric HDU/ICU	15	15	15	15	15	15
14.	Radio-diagnosis						
	a) Static unit – atleast 2 $\geq$ 500mA (DR/CR system)	5	5	5	5	5	5
	b) Mobile unit $\geq$ 60 mA	5	5	5	5	5	5
	c) USG (with Color doppler)	5	5	5	5	5	5
	d) CT Scan( $\geq$ 16 slice- spiral)	1	1	1	1	1	1
	m) MRI ( $\geq$ 1.5 tesla)	1	1	1	1	1	1
15.	Rural Health Training Centre:	Every medical college shall have one Rural Health Training Center affiliated to it at LOP onwards (as specified in the regulations)					
16.	Urban Health Training Centre	Every medical college shall have one Urban Health Training Center affiliated to it at LOP onwards (as specified in the regulations)					

**ANNEXURE III(A): Requirements of Faculty & Residents for 200 M.B.B.S. admissions annually**

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	II <sup>nd</sup> Renewal (3 <sup>rd</sup> Batch)	III <sup>rd</sup> Renewal (4 <sup>th</sup> Batch)	IV <sup>th</sup> Renewal (5 <sup>th</sup> Batch)	Recognition
Anatomy	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	5	5	5	5	5	5
Physiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Biochemistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	3	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Pharmacology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
Pathology	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst.Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
Microbiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst.Prof.	3	3	3	3	3	3
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Forensic Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	II <sup>nd</sup> Renewal (3 <sup>rd</sup> Batch)	III <sup>rd</sup> Renewal (4 <sup>th</sup> Batch)	IV <sup>th</sup> Renewal (5 <sup>th</sup> Batch)	Recognition
Community Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst.Prof.	5	5	5	5	5	5
	Statistician (Tutor/Asst. Prof)	1	1	1	1	1	1



	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
General Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	6	6	6	6	6	6
	Asst.Prof.	7	7	7	7	7	7
	Sr. Resident	7	7	7	7	7	7
Pediatrics	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst.Prof.	4	4	4	4	4	4
	Sr. Res	4	4	4	4	4	4
Dermatology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Psychiatry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Respiratory Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	II <sup>nd</sup> Renewal (3 <sup>rd</sup> Batch)	III <sup>rd</sup> Renewal (4 <sup>th</sup> Batch)	IV <sup>th</sup> Renewal (5 <sup>th</sup> Batch)	Recognition
General Surgery	Professor	1	1	1	1	1	1
	Assoc. Prof.	6	6	6	6	6	6
	Asst.Prof.	7	7	7	7	7	7
	Sr. Res	7	7	7	7	7	7
Orthopedics	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst.Prof.	4	4	4	4	4	4
	Sr. Resident	4	4	4	4	4	4
Oto-rhino- laryngology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Sr. Res	2	2	2	2	2	2

Ophthalmology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Sr. Resident	2	2	2	2	2	2
Obstetrics & Gynecology	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst.Prof.	4	4	4	4	4	4
	Sr. Resident	4	4	4	4	4	4
Anesthesiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	4	4	4	4	4	4
	Asst.Prof.	5	5	5	5	5	5
	Sr. Resident	4	4	4	4	4	4
Radiodiagnosis	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	2	2	2	2	2	2
	Sr. Resident	3	3	3	3	3	3

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	II <sup>nd</sup> Renewal (3 <sup>rd</sup> Batch)	III <sup>rd</sup> Renewal (4 <sup>th</sup> Batch)	IV <sup>th</sup> Renewal (5 <sup>th</sup> Batch)	Recognition
Dentistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Res	1	1	1	1	1	1
Emergency Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst.Prof.	1	1	1	1	1	1
	Sr. Resident	9	9	9	9	9	9

**Notes: For purpose of working out the deficiency:**

1. The deficiency of teaching faculty and Tutors/Demonstrators/Resident Doctors shall be counted separately.
2. **For Teaching Faculty:**
  - (a) For calculating the deficiency of faculty, Prof., Assoc. Prof., and Asst. Prof in respective departments shall be counted together.
  - (b) Any excess teaching faculty in higher cadre can compensate the deficiency of lower cadre of the same department only.
  - (c) Any excess teaching faculty of lower cadre/ category in any department cannot compensate the deficiency of any teaching faculty in the higher cadre/category of the same department or any other department e.g. excess of Assistant Professor cannot compensate the deficiency of Associate Professor or Professor.
  - (d) Excess/Extra teaching faculty of any department cannot compensate the deficiency of any teaching faculty in any other department.
3. **For Tutors/Demonstrators/Resident Doctors:**
  - (a) Excess Tutors/Demonstrators/SR of any department cannot compensate the deficiency of Tutor/Demonstrator/ SR in any other department.
  - (b) Any excess/ extra teaching faculty of same or any other department cannot compensate the deficiency of Tutor/Demonstrator/SR e.g. excess of Assistant Professor cannot compensate the deficiency of Tutor/Demonstrator/SR.
  4. A separate department of Dentistry/Dental faculty is not required where a dental college is available in same campus/city and run by the same management.
  5. Colleges running PG program require additional staff, beds & other requirements as per the PG Regulations – 2000.

Designation	LOP	Ist Renewal	IInd Renewal	IIIrd Renewal	IVth Renewal	Recognition
Faculty	142	142	142	142	142	142
Tutor/Demon./SR	90	90	90	90	90	90
Statistician	1	1	1	1	1	1

**ANNEXURE IV: Requirements to be fulfilled by the applicant colleges for obtaining Letter of Intent and Letter of Permission for Establishment of New Medical College & Yearly Renewals for 250M.B.B.S. admissions annually**

S.No.	Infrastructural facilities	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
1.	Lecture Theatre* [ College building]	a) Number	4	4	4	4	4
		b) Capacity	300	300	300	300	300
2.	Practical Laboratories	In College	8	8	8	8	8
3.	Teaching Rooms	Capacity @ 25 students	9	9	9	9	9
		@ 50 seats	9	9	9	9	9
4.	Central Library	n) Area (sq. m)	1500	1500	1500	1500	1500
		o) Seating Capacity	500	500	500	500	500
		p) Books	7500	7500	7500	7500	7500
		q) Journals	75	75	75	75	75

5.	Hostels	a) students @75%	900	900	900	900	900	900
		b) Interns @75%	-	-	-	-	-	185
	Bed Distribution							
6.	Medicine & Allied	a) Gen. Medicine	240/8					240/8
		b) Pediatrics	120/4					120/4
		c) Respiratory Medicine	30/1					30/1
		d) Dermatology	20/1					20/1
		e) Psychiatry	30/1					30/1
		<b>Total</b>	<b>440/15</b>					<b>440/15</b>
7.	Surgery & Allied	a) Gen. Surgery	240/8					240/8
		b) Orthopedics	120/4					120/4
		c) Ophthalmology	30/2					30/2
		d) ENT	20/2					20/2
		<b>Total</b>	<b>410/14</b>					<b>410/14</b>
8.	Obstetrics & Gynecology	a) OBG & ANC	90/3					90/3
		b) Gynecology	60/2					60/2
		<b>Total</b>	<b>150/5</b>					<b>150/5</b>

\*If the Hospital and Medical college are not in a unitary campus, 1 additional Lecture theater of 250 seating capacity must be available in teaching hospital

S.No.	Infrastructural facilities	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
9.	Emergency Medicine	30/1	30/1	30/1	30/1	30/1	30/1
	<b>Grand Total</b>	<b>1040/35</b>	<b>1040/35</b>	<b>1040/35</b>	<b>1040/35</b>	<b>1040/35</b>	<b>1040/35</b>
10.	OPD (patients/day)	2000	2000	2000	2000	2000	2000
11.	Bed Occupancy (%)	75%	75%	75%	75%	75%	75%
12.	OTs	a) Major OT	11	11	11	11	11
		b) Minor OT	Every surgical specialty shall have atleast one well equipped Minor OT attached to it				
13.	ICUs	ICCU	20	20	20	20	20
		ICU	20	20	20	20	20
		Surgical ICU	20	20	20	20	20
		PICU	20	20	20	20	20

		NICU	20	20	20	20	20	20
		Obstetric HDU/ICU	20	20	20	20	20	20
14.	Radio-diagnosis	a) Static unit – atleast 2 $\geq$ 500mA (DR/CR system)	6	6	6	6	6	6
		b) Mobile unit $\geq$ 60 mA	6	6	6	6	6	6
		c) USG (with Color doppler)	6	6	6	6	6	6
		d) CT Scan( $\geq$ 16 slice- spiral)	1	1	1	1	1	1
		r) MRI( $\geq$ 1.5 Tesla)	1	1	1	1	1	1
15.	Rural Health Training Centre:	Every medical college shall have one Rural Health Training Center affiliated to it at LOP onwards (as specified in the regulations)						
16.	Urban Health Training Centre	Every medical college shall have one Urban Health Training Center affiliated to it at LOP onwards (as specified in the regulations)						

**ANNEXURE IV(A): Requirements of Faculty & Residents for 250 M.B.B.S. admissions annually**

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Anatomy	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst. Prof.	5	5	5	5	5	5
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
Physiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst. Prof.	5	5	5	5	5	5
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Biochemistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst. Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4
Pharmacology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst. Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
Pathology	Professor	1	1	1	1	1	1
	Assoc. Prof.	4	4	4	4	4	4
	Asst. Prof.	5	5	5	5	5	5
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6

Microbiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst. Prof.	4	4	4	4	4	4
	Tutor/Demonstrator/Sr. Res	5	5	5	5	5	5
Forensic Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	2	2	2	2	2	2
	Tutor/Demonstrator/Sr. Res	4	4	4	4	4	4

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IIInd Renewal (3 <sup>rd</sup> Batch)	IIIrd Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Community Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst. Prof.	6	6	6	6	6	6
	Statistician (Tutor/Asst. Prof)	1	1	1	1	1	1
	Tutor/Demonstrator/Sr. Res	6	6	6	6	6	6
General Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	7	7	7	7	7	7
	Asst. Prof.	8	8	8	8	8	8
	Sr. Resident	8	8	8	8	8	8
Pediatrics	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst. Prof.	4	4	4	4	4	4
	Sr. Res	4	4	4	4	4	4
Dermatology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Psychiatry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1
Respiratory Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	1	1	1	1	1	1
	Sr. Resident	1	1	1	1	1	1

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIRD Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
General Surgery	Professor	1	1	1	1	1	1
	Assoc. Prof.	7	7	7	7	7	7
	Asst. Prof.	8	8	8	8	8	8
	Sr. Res	8	8	8	8	8	8
Orthopedics	Professor	1	1	1	1	1	1
	Assoc. Prof.	3	3	3	3	3	3
	Asst. Prof.	4	4	4	4	4	4
	Sr. Resident	4	4	4	4	4	4
Oto-rhino- laryngology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	2	2	2	2	2	2
	Sr. Res	2	2	2	2	2	2
Ophthalmology	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	2	2	2	2	2	2
	Sr. Resident	2	2	2	2	2	2
Obstetrics & Gynecology	Professor	1	1	1	1	1	1
	Assoc. Prof.	4	4	4	4	4	4
	Asst. Prof.	5	5	5	5	5	5
	Sr. Resident	5	5	5	5	5	5
Anesthesiology	Professor	1	1	1	1	1	1
	Assoc. Prof.	4	4	4	4	4	4
	Asst. Prof.	6	6	6	6	6	6
	Sr. Resident	4	4	4	4	4	4
Radiodiagnosis	Professor	1	1	1	1	1	1
	Assoc. Prof.	2	2	2	2	2	2
	Asst. Prof.	2	2	2	2	2	2
	Sr. Resident	3	3	3	3	3	3

Department	Designation	LOP (1 <sup>st</sup> Batch)	Ist Renewal (2 <sup>nd</sup> Batch)	IInd Renewal (3 <sup>rd</sup> Batch)	IIIRD Renewal (4 <sup>th</sup> Batch)	IVth Renewal (5 <sup>th</sup> Batch)	Recognition
Dentistry	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	1	1	1	1	1	1

	Sr. Res	1	1	1	1	1	1
Emergency Medicine	Professor	1	1	1	1	1	1
	Assoc. Prof.	1	1	1	1	1	1
	Asst. Prof.	1	1	1	1	1	1
	Sr. Resident	9	9	9	9	9	9

**Notes: For purpose of working out the deficiency:**

1. The deficiency of teaching faculty and Tutors/Demonstrators/Resident Doctors shall be counted separately.
2. **For Teaching Faculty:**
  - (a) For calculating the deficiency of faculty, Prof., Assoc. Prof. and Asst. Prof in respective departments shall be counted together.
  - (b) Any excess teaching faculty in higher cadre can compensate the deficiency of lower cadre of the same department only.
  - (c) Any excess teaching faculty of lower cadre/ category in any department cannot compensate the deficiency of any teaching faculty in the higher cadre/category of the same department or any other department e.g. excess of Assistant Professor cannot compensate the deficiency of Associate Professor or Professor.
  - (d) Excess/Extra teaching faculty of any department cannot compensate the deficiency of any teaching faculty in any other department.
3. **For Tutors/Demonstrators/Resident Doctors:**
  - (a) Excess Tutors/Demonstrators/SR of any department cannot compensate the deficiency of Tutor/Demonstrator/ SR in any other department.
  - (b) Any excess/ extra teaching faculty of same or any other department cannot compensate the deficiency of Tutor/Demonstrator/SR e.g. excess of Assistant Professor cannot compensate the deficiency of Tutor/Demonstrator/SR.
4. A separate department of Dentistry/Dental faculty is not required where a dental college is available in same campus/city and run by the same management.
5. Colleges running PG program require additional staff, beds & other requirements as per the PG Regulations – 2000.

Designation	LOP	Ist Renewal	IInd Renewal	IIIrd Renewal	IVth Renewal	Recognition
Faculty	159	159	159	159	159	159
Tutor/Demon./SR	95	95	95	95	95	95
Statistician	1	1	1	1	1	1