

TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY



M.B.B.S DEGREE COURSE

**TO ISSUE LETTER OF CONSENT OF
AFFILIATION FOR ESTABLISHMENT OF NEW
MEDICAL COLLEGE
FOR 100 & 150 ADMISSIONS**

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SECTION – A. GENERAL INFORMATION

1. Name of the Society/Trust :
and its registered address
(Copy of Regd. Trust deed
to be enclosed)

2. Name of the proposed Medical :
College and its full postal address

3. Address where the Medical :
College is to be located with
Telephone No. etc.

4. Name of the other courses run :
by the Trust. (Note: Please furnish
Name and address of the College
Course wise):

5. Number of candidates proposed to :
be admitted in the First-Year
M.B.B.S. Degree Course:

6. LAND: Details of the extent of :
land available for the proposed
Medical College

Note:

1. The teaching Hospital and the administrative block should be located in a suitable single plot of land measuring not less than 25 acres owned and possessed by the

applicant. (UNITARY COMPLEX) (This should be certified by an authority not lower than Deputy Tasildhar)

- i) If the college is located in an urban agglomeration or Municipal Zone or rural area specify the same:
- ii) Extent of the land available for the Institution:
- iii) Whether all the provision of the relevant Acts on the subject such as the Tamil Nadu Urban Land (ceiling and regulation) Act, 1978. (Tamil Nadu Act 24 of 1978), Tamil Nadu Town and Country Planning Act, 1971 (Tamil Nadu Act 35 of 1972) and Tamil Nadu Land Reforms (fixation of ceiling on land) Act, 1961 (Tamil Nadu Act 58 of 1961) as inforce, etc., have been fulfilled.

2.

- i) Documentary evidence from the concerned Urban Land Tax Authorities (not lower than Assistant Commissioner) or from the Government stating that the entire ear-marked registered land for the proposed medical college does not attract any of the provisions of the Tamil Nadu Urban Land Ceiling and Regulation Act 1971 and Tamil Nadu Land Reforms Act 1961 for the total extent of land shown for starting of the Medical College to be produced.
- ii) The Trust is requested to produce the exemption certificate permission) obtained from the Government exempting them from the respective land Ceiling Act in force.

3. List of enclosures to be sent:

- i) Copy of Registered Sale Deed regarding ownership:

- ii) Sworn Affidavit stating that the details of land furnished above are ear-marked for the Proposed Medical College only. (To be furnished in the enclosed format).
- iii) Legal opinion of the Government pleader on the ear-marked land showing the details of survey nos, along with registered sale deed no. and date extent of area and possession of ownership of the land/clear title.
- iv) Encumbrance Certificate on the entire land for the last 15 years covering the latest period obtained from the Registering Authority.
- v) Whether all infrastructural facilities such as Administrative Block, Teaching Hospital, Hostel, Central Library etc. are available in one campus.
- vi) Details regarding applicant owns and manages a Hospital of not less than 300 beds with necessary infrastructural facilities and capable of being developed into a teaching institution as prescribed by the Medical Council of India in the vicinity of proposed medical college
- vii) Details regarding the administrative block of the Hospital and its location.
- viii) Details of the Hospital plan, owned by the Trust / Society:
 - a) Details of the Staff working (both in hospital and administration to be furnished as Annexure)
 - b) Proof of ownership of running 300 bedded hospital with outpatient sections like Medicine, Surgery, Paediatrics, Midwifery, Ortho, E.N.T., Ophthalmology.

- c) Whether facilities are available for Radiology, Clinical Laboratory, Blood Bank and Operation Theatre etc.
 - d) Daily outpatients turn over:
 - e) Bed occupancy:
 - f) Approved Master Plan of Hospital duly indicating the office ref. no. & date, office date, seal, town planning authorities approval for the plan etc. for the development of the Hospital as a future teaching Hospital with all necessary facilities and scope for further development including specialties (Approved plan proceedings orders to be enclosed)
 - g) Facilities for Provision like workshop, laundry, canteen, auditorium etc.
 - h) Staff quarters details
 - i) Master plan of the college and hospital complex, either in toto or phased programme.
 - j) Ready Built Area: Approved plan duly indicating the Panchayat Union/Municipal Office Ref. No. and date along with Town Planning authorities signature, date and office seal of the proposed Medical College and Hospital by the competent authority should be produced. (Approved plan proceedings orders to be enclosed.)
7. Particulars as of the availability of training facility for the students to be admitted in the college.
8. Particulars as to the availability of ready built area for the accommodation of the academic complex and residential quarters for the staff of the proposed college

9. Particulars regarding location availability of Play Ground

10. Details regarding the location of Hostel for men and women students

11. Total population of the area in and around 20 kms. of radius of the area in which the medical college is to be located

12. Availability of Water supply, transport facilities development potential etc.

13. Details regarding the financial soundness of the Trust/Society with supporting documents to show that it has the capacity to deposit 50 Lakhs (Rupees fifty lakhs only)
 - a) The applicant Trust/Society shall also furnish proof to show that it has an annual income of Rs.15,00,000 (rupees Fifteen Lakhs Only) excluding the interest drawn from the amount referred to in sub-statute (1) above

14. An undertaking sworn Affidavit before a Notary Public stating the Trust has not admitted any student in the proposed Medical College and the students will be admitted only after the grant of provisional affiliation from the university.

15. To start First MBBS Degree Course

The applicant Trust/Society shall, before applying for affiliation for the first MBBS Degree course of study, fulfil the following conditions, namely;

Details regarding the hospital run by the Trust/Society well organised with 300 bedded hospital with out-patient sections such as Medicine, Surgery, Paediatrics, Midwifery, Ortho, E.N.T., Ophthalmology with facilities like Radiology,

Clinical Laboratory, Blood Bank, Operation Theatre etc. and capable of being developed into 750 bedded teaching hospital within the vicinity of the proposed medical college and with such other facilities as detailed below. (Along with Hospital building approved plan to be enclosed)

Bed Strength for various departments from the inception.

Medicine & allied specialites

General Medicine	80
Paediatrics	30

Surgery & allied specialities

General Surgery	90
Orthopaedics	30
Ophthalmology	10
E.N.T.	10

Obstetrics. & Gynaecology.

Obstetrics	30
Gynaecology	20

Total	300

1. The applicant for establishing a medical college in India is required to fulfill the qualifying criteria prescribed in the Establishment of Medical College Regulations, 1999 as amended in December, 2009 and in addition shall have the full complement of staff as given.

100 & 150 ADMISSIONS

FACILITIES REQUIRED TO BE PRESENT AT THE BEGINNING OF FIRST ADMISSION

SECTION (B) GENERAL INFRASTRUCTURAL FACILITIES

ADMINISTRATIVE BLOCK

Accommodation shall be provided for Principal/Dean's office (36.sq.m), Staff Room (54 sq.m), College Council Room (80 sq.m), Office Superintendents Room (10 sq.m), Office Room (150 sq.m), Record room (100 sq.m), Examination Hall (400 sq.m), separate common room for Male and Female students with attached toilets (30 sq.m each) and Cafeteria (40-50 sq.m).

S.NO	Facilities required	Required	Available
1	Principal / Dean (36 Sq. m)	1	
2	<u>Administrative Block</u>	Accommodation to be in position from inception with computer and internet facilities	
	i. Principal/Dean Office Complex	25% of staff component	
	ii. Accounts section		
	iii. Academic section		
	iv. Establishment section		
3	Medical Superintendents Room (10 sq.m)		From inception
4	Examination Hall cum Auditorium (A/c)	Examinations Hall (400 Sq.m area) for 500 students	From inception
		Auditorium for 750-1000 persons	At the time of 1 st renewal

5	Common Room with toilet attached (30 Sq. m each)	Male Students - 1 Female Students - 1	From inception
6	Cafeteria (40 Sq. m)		From inception
7	Lecture Theatre of gallery type air-condition Shared by various departments	2 theatres of 150 seating capacity each	From inception
		OHP	
		LCD & Slide Projector	
		Microphone	
8	College Council (80 Sq.m)	The council meets atleast 4 times a year. <ul style="list-style-type: none"> - Draws up details of curriculum & training program - Enforcement of discipline - Other academic matters The Council organizes <ul style="list-style-type: none"> - interdepartmental meetings - Statistical meetings - Clinico pathological meetings Periodic research review meetings	From inception
9	Medical Education Unit	For faculty development and to provide teaching and learning resource material	From inception
	Officer in charge	Principal / Dean - 1	
	Co-ordinator	Head of Dept. - 1	
	Faculty	5-6 motivated teacher from the college faculty	
	<u>Supportive Staff</u> Stenographer	1	

	Computer Operator	1	
	Technicians in AV aids Photography and Artist	2	
10	Animal House (maintained by Dept of Pharmacology) For maintenance, breeding and supply of animals for experimental purposes.	<u>Staff</u>	From inception
		1. Veterinary Officer - 1	
		2. Animal Attendants - 2	
		3. Technician for animal Operation room - 1	
		4. Sweepers - 1	
11	Central Library 1200 Sq.m With adequate lighting and ventilation - Adequate space for stalking and display of books/journals - Journals continuous subscription -Number of copies of text books in each subject of undergraduate teaching shall be 10.	<u>Staff</u>	From inception
		1. Librarian with a degree in Library Science - 1	
		2. Deputy Librarian - 1	
		3. Documentalist - 1	
		4. Cataloguer - 1	
		5. Library Assistants - 4	
		6. Daftaries - 2	
		7. Peons - 2	
		<u>Books</u> - 1400	
		<u>Journals</u>	

		Indian - 14	
		Foreign - 06	
		<u>Accommodation</u>	
		1. Staff reading room for 30 persons.	
		2. Students - Inner room for 100 persons	
		- Outer room for 75 persons	
		3. Staff reading room -30 Persons	
		4. Room for Librarian	
		5. Room for Daftaries / Book binders	
		6. Microfilm reading room	
		7. Journal room	
		8. Xerox room / Video cassette room	
		9. Computer / Medlar / Internet facility	
12	Central Photographic and AV Unit With studio, Dark Room, Enlarging & Photostat work Room for Artist, Medical Illustrators and Modellers.	Photographer - 1	Operational from inception . Full fledged staff <u>at the end of 4th year</u>
		Artist - 1	
		DRA - 1	
		AV Technician - 1	

		Storekeeper/Clerk - 1	
		Attendant - 1	
13	Central Workshop	For repair of equipment and instruments.	Operational from inception . Full fledged staff <u>at the end of 4th year</u>
14	Central Research Laboratory		From inception
15	Central Incineration Plant or other system approved by State Pollution Control Board.		From inception
16	Medical Record Section		From inception
	Medical Record Officer	1	
	Statistician	1	
	Coding Clerks	4	
	Record Clerks	6	
	Daftaries	2	
	Peons	2	
	Stenotypist	1	
17	Hostel for Boys and Girls (no. to be covered)		From inception
18	Nurses Hostel / Quarter (no. to be covered)		From inception
19	Centralized computerized Statistical unit.	From inception	Fully functional <u>at the end of 1st renewal</u>
20	Intercom Network	50%	

		With Paging / Bleep System	
21	Central Casualty Services	10 Beds	From inception
	Casualty Medical Officers	4	
	Operation Theatre Staff to function on 24 Hour round the clock basis	as required	
	Stretcher bearers	6	
	Receptionist cum Clerks	2	
	Ward boys	6	
	Nursing and paramedical staff	6	
	Clinical staff for casualty beds	as required	
22	Blood Bank		From inception
	Professor / Reader	1	
	Lecturer	1	
	Technicians	6	
	Lab. Attendants	6	
	Store Keepers	6	
	Record clerks	2	
23	Central Laboratories	OP – 150 sq.m	From inception
		IP - 60 sq. m	

24	Central Sterilization Services Department		From inception
	Matron	1	
	Staff Nurse	4	
	Technical Assistant	8	
	Technician	8	
	Ward Boys	8	
	Sweeper	4	
25	Laundry		From inception
	Supervisor	2	
	Dhobi /Washermen / Women	12	
	Packer	12	
26	Gas Plant	Central Gas plant or Gas Supply unit	From inception
27	Sanitation and Water Supply	<u>Toilets / Bathroom</u>	From inception
		Men Students	
		Women Students	
		Teaching & Technical Staff	
		Other Staff	
		<u>Water Supply</u>	

		Drinking water facility	
28	Play Ground	Qualified Physical Education Instructor	From inception
29	Gymnasium		At the end of <u>1st year onwards</u>
30	Transport facilities in college and hospital		From inception
31	Central Kitchen		From inception
32	Interns Hostel (no. to be covered)		From 1 st renewal
33	Staff Quarters (no. to be covered)	Teaching - 10	
		Non teaching - 20	
34	Residents Quarters (no. to be covered)	42	
35	Electricity Supply	Electricity with stand-by UPS or Generator	
36	Dept. of Anatomy	100% from inception	
37	Dept. of Physiology	100% from inception	
38	Dept. of Bio-Chemistry	100% from inception	
39	Dept. of Pharmacology	Operational at the time of <u>1st Renewal</u>	
40	Dept. of Pathology	Operational at the time of <u>1st Renewal</u>	
41	Dept. of Microbiology	Operational at the time of <u>1st Renewal</u>	
42	Dept. of Forensic Medicine	Operational at the time of <u>1st Renewal</u>	
43	Dept. of Community Medicine / P.S.M.	Operational at the time of <u>2nd Renewal</u>	

44	i. All Clinical Depts. With all required facilities Including laboratory & blood banks (except TB, Dermatology, Psychiatry)	Operational at the time of inception and fully functional at the end of <u>2nd Renewal</u>	
	ii. TB, Dermatology and Psychiatry	Operational at the time of inception and fully functional at the end of <u>3rd Renewal</u>	
45	Operation Theatre (No of Units)	4	From inception
46	Radiology	Static X-ray machine - 2 (300,500 MA)	From inception
		Mobile X-ray machine - 1 (30MA)	
		Ultrasound Machine - 2	
		CT Scan Unit	
47	ICU	5 Beds	
48	ICCU	5 Beds	
49	Paediatrics ICU / Neonatal ICU	5 Beds	
50	Respiratory ICU	-	
51	Bed Occupancy	70%	
52	OPD attendance	400	
53	Pharmacovigilance Committee	Functional at the time of <u>1st renewal</u>	
54	Website	Operational with details as specified at the time of inception	

55. TOTAL NUMBER OF STAFF REQUIRED

300 Beds		
Department	Staff Nurse	Sister
Wards	100	12
ICCU & ICUs	15	9
OT	12	3
Casualty	3	3
OPD	11	-
Nursing Supdt	2	
DNS	1	
ANS	4	
Grand Total	175	

LOP	
Teaching Staff	53
Resident Doctors	42
Non-teaching Staff	101

56. BED STRENGTH REQUIRED

DEPT./ STAFF	REQUIRED	AVAILABLE
Medicine & Allied Specialities		
Gen. Medicine	80	
Paediatrics	30	
TB & Chest	-	
Skin & STD	-	
Psychiatry	-	
	110	
Surgery & Allied Specialities		
Gen Surgery	90	
Orthopaedics	30	
Ophthalmology	10	
E.N.T.	10	
	140	
Obst. & Gynae.		
Obstetrics	30	
Gynaecology	20	
	50	
GRAND TOTAL	300	

**TARGETS TO BE ACHIEVED YEARLY IN RELATION TO SETTING UP OF NEW
MEDICAL COLLEGES/INSTITUTIONS IN RESPECT OF STAFF REQUIREMENTS
OF A NEW MEDICAL COLLEGE FOR 100 & 150 ANNUAL ADMISSIONS**

**SECTION C - DEPARTMENTAL FACILITIES
100% from inception**

1. ANATOMY

DEPARTMENT/STAFF	REQUIRED	AVAILABLE
Professor	-	
Assoc. Prof	1	
Asst. Prof	-	
Tutor/Demons.	2	
Technicians	1	
Dissection Hall Attendants	4	
Steno Typist	1	
Storekeeper / Clerk / Computer Operator	1	
Sweeper	2	
Demonstration Rooms – 2 Nos. (45 Sq.m each)	Accommodation for 50-60 each	
	OHP	
	Slide Projector	
	TV	

	Video	
	AV Aids	
Dissection Hall (250 Sq.m)	Accommodation for 100 students	
	Ventilation with exhaust fans	
	Ante-room for students with lockers and ten wash basins	
	Adequate teaching aids	
	<u>Embalming room</u> (12 Sq.m area)	
	<u>Storage tanks</u> <u>3 Nos.</u> One of 3 Sq.m Two of 1.5 Sq.m each	
	Cold Storage room (18 sq.m) or Cooling Cabinets For 10-12 dead bodies	
Histology Laboratory (150 Sq.m)	Work benches fitted with water taps and sinks	
	Cupboards for microscope storage	
	Electric points for 60 Students	
	Preparation room (18 sq.m)	
Research Laboratory	50 Sq.m area	
Museum (150 Sq.m)	To accommodate 25 students	
	Wet and dry specimen	
	Embryological sections	

	Models, revolving stands for X-rays, CT scan, MRI and trolley tables.	
	X-ray view boxes	
	Preparation room (15 sq.m) for models/specimens	
Artist Room (15 Sq.m)	Room for artists and modelers	
Departmental Library / Seminar Room (30 Sq.m)	80-100 books	
	Not more than two copies of anyone book shall be counted towards computation of the total number of books	
<u>Accommodation for Staff:</u>		
Professor & Head of Dept	1 Room (18 sq.m area)	
Assoc. Prof / Reader	1 Room (15 sq.m area)	
Asst. Prof / Lecturers	1 Room (20 sq.m area)	
Tutor/Demonstrators	1 Room (15 sq.m area)	
Dept. office cum clerical room	1 Room (12 sq.m area)	
Working accommodation for non-teaching staff	1 Room (12 sq.m area)	

2. PHYSIOLOGY

DEPARTMENT / STAFF	REQUIRED	AVAILABLE
<u>Staff</u>		
Professor	-	
Assoc. Prof	1	
Asst. Prof	-	
Tutor/Demons.	4	
Technicians	1	
Attendants	4	
Steno Typist	1	
Store Keeper / Clerk / Computer Operator	1	
Sweeper	2	
Demonstration Room (45 Sq.m each)	Accommodation for 50-60 each	
	OHP / Slide Projector	
	TV	
	Video	
	AV Aids	

<u>Practical Room</u>		
Amphibian Laboratory (150 Sq.m)	Working tables with wash basin and steam fire proof top	
	An electric point with provision for light source on each table	
	One preparation room (14 sq.m area)	
Mammalian Laboratory (60 Sq.m)	Four tables (2m x 0.6m) with Large wash basins, cupboards for equipments.	
	Stainless steel top and operating light	
	One preparation room (14 sq.m area)	
Human Laboratories:		
a) Haematology Lab (150 sq.m area)	Working tables with wash basin and steam/fire proof top having one drawer and one cupboard	
	An electric point with provision for light source on each table	
	One preparation room (14 sq.m area)	
b) Clinical Physiology Lab (60 Sq.m area)	8 tables (height 0.8m) with mattresses & adjustable head-end	
Research Laboratory	50 Sq.m area	
Departmental Library / Seminar Room (30 Sq.m area)	80-100 books	
	Not more than two copies of anyone book shall be counted towards computation of the total number of books	
<u>Accommodation for Staff:</u>		
Professor & Head of Dept	1 Room (18 sq.m area)	

Assoc. Prof / Reader	1 Room (15 sq.m area)	
Asst. Prof / Lecturers	1 Room (20 sq.m area)	
Tutor/Demonstrators	1 Room (15 sq.m area)	
Dept. office cum clerical room	1 Room (12 sq.m area)	
Working accommodation for non-teaching staff	1 Room (12 sq.m area)	

3. BIO-CHEMISTRY

DEPARTMENT / STAFF	REQUIRED	AVAILABLE
<u>Staff</u>		
Professor	-	
Assoc. Prof / Reader	1	
Asst. Prof / Lecturers	-	
Tutor/Demons.	2	
Technicians/Tech Asst.	2	
Store Keeper / Clerk / Computer Operator	1	
Sweeper	2	
Lab Attendant	1	
Demonstration Room - 1 no. (45 Sq.m each)	Accommodation for 50-60 students	

	OHP / Slide Projector	
	TV and Video	
	AV Aids	
Practical class room laboratory (150 Sq.m area)	Benches fitted with shelves and cupboards, water taps, sinks	
	Electric and gas connections for 60 students.	
	Ante-rooms 2 nos.(14 sq.m area each) for technicians & stores. Preparation room , balance and distillation apparatus.	
Departmental Library / Seminar Room (30 Sq.m area)	80-100 books	
	Not more than two copies of anyone book shall be counted towards computation of the total number of books	
Research Laboratory	50 Sq.m area	
<u>Accommodation for Staff:</u>		
Professor & Head of Dept	1 Room (18 sq.m area)	
Assoc. Prof / Reader	1 Room (15 sq.m area)	
Asst. Prof / Lecturers	1 Room (20 sq.m area)	
Tutor/Demonstrators	1 Room (15 sq.m area)	
Dept. office cum clerical room	1 Room (12 sq.m area)	
Working accommodation for non teaching staff	1 Room (12 sq.m area)	

SECTION D - OPERATIONAL DEPARTMENTS

- to be fully functional at end of First Year

4. PHARMACOLOGY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

5. PATHOLOGY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

6. MICROBIOLOGY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

7. FORENSIC MEDICINE

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

8. COMMUNITY MEDICINE / PREV. & SOC. MEDICINE

Fully functional at the end of 2nd year

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

9. GENERAL MEDICINE

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

* Common for the Department of General Medicine / TB & Rep. Diseases / DVL / Psychiatry

10. PAEDIATRICS

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

11. GENERAL SURGERY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

12. ORTHOPAEDICS

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

13. OPHTHALMOLOGY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

14. E.N.T

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

15. OBST. & GYNAE.

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

16. ANAESTHESIA

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

17. RADIO-DIAGNOSIS

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

18. DENTISTRY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

SECTION E – OPTIONAL DEPARTMENTS

19. RADIO THERAPY

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

20. PHYSICAL MEDICINE & REHABILITATION

STAFF	REQUIRED	AVAILABLE
Teaching Faculty & Other Staff		

The consent letter, appointment order, joining report, Bio-data, the details showing teaching experience before and after P.G. (declaration form enclosed), teaching experience certificate and educational qualification certificate should be produced at the time of inspection.

(SECTION - F)

Equipment (For Various Departments In The College & Hospitals)

Note : These recommendations are minimum requirements and will serve as a guide to the institutions with regard to the equipment required. They are not meant to be an exhaustive list and the staff of the various departments will use their initiative and experience for equipping the departments.

NON-CLINICAL DEPARTMENTS

I. DEPARTMENT OF ANATOMY

Furniture and Fixtures : Office tables small and big, office Chairs, museum almirahs study tables, staff room and library almirah, store almirahs, store racks, lockers with coat hangers almirah, store almirahs, store racks, lockers with coat hangers and drawers as required. Laboratory benches with cup-boards and rack for reagent bottles and laboratory glasswares as required, water and gas and electric points operation tables etc. as necessary.

Name of the Articles	Quantity Required for admissions		Available
	150	100	
Table with marble or stainless steel tops 6' 1" x 2' x 3'	20	15	
Tables with marble tops or stainless steel half standard size	5	5	
Drill machine	3	2	
Hand saw	4	3	
Hand saw for sectioning body and limbs	1	1	
Stools, preferably metal	90	60	
Brain Knife	5	3	
Mortuary cooler with arrangement to keep at least 8 bodies or suitable alternative arrangement.	1/2	1/2	

Storage tank to hold 10 cadaver made of concrete with copper lid	1	1	
Plastic tanks for storing soft and dissected parts	10	10	
Trolley Table (Steel, Light)	3	3	
Projectors including overhead projectors	2 + 2	2 + 2	
X-ray Viewing lobby	3	3	
Charts, Diagrams, Models, Slides etc.	as required	as required	
Dissecting instruments	as required	as required	
Meat cutting machine for thin body sections (trans and vertical) for gross anatomy sectional study	1	1	
B. APPARATUS AND INSTRUMENTS FOR HISTOLOGY			
Microscope Monocular	90	60	
Dissection Microscope	5	5	
Microtomes, rotary	2	2	
Microtomes, Sledge, large cutting	1	1	
Cabinet for Slides (1000)	6	6	
Incubators	1	1	
Paraffin embedding bath	1	1	
Hot plates for flattening sections	2	2	

Hot air cover for drying slides (45 0C)	1	1	
Balance Analytical capacity 200 grams and Sensitivity, 1/10 gram.	1	1	
Balance Earanger capacity 6 kilos Sensitivity, 1/5 ft rams	2	2	
Refrigerators	2	2	
Distilled water still – menesty type capacity gallon per hour	2	2	
Diamond pencils	4	4	
7 colours marking pencils Anatomy Museum	2	2	
Skeletons articulated	7	5	
Bones (Dis - articulated) sets	30	25	
Specimen Jars	as required	as required	
Racks Steel	as required	as required	
Embalming machines for cadavers	2	2	
Computer for keeping student records, marks stores etc.	Should be provided	Should be provided	

II. DEPARTMENT OF PHYSIOLOGY

(a) Office table, small and big, office chairs, museum almirahs, study table, staff room and library almirahs, stock almirahs store room racks, laboratory benches with cupboards and racks for reagent set up for experimental physiology including Sherrington Starling Kymograph (preferably electrically driven) Myograph stand, inductorium, simple key, short circulating key, Pohl's commutator, vibrating interrupter, muscle trough, muscle lever, Muscle grip of femur clamp, Hook and weight set heart liver, frog board for dissection, enamel tray for above, frog board cork – lined with bosshead 36 sets + 6 spares.

Low voltage units for tapping 2 to 4 volts for stimulation at each seat as required.

Note:

1. Time markers can also be made available at each seat – along with low voltage unit.
2. Electronic stimulators, students type can be used instead of low voltage units Nife cells. This will also dispense with the need for induction coil interrupter. Transistor ones are preferred.

	Required		Available
Electric time markers 100 / sec.	10	6	
Tuning fork, time marker 100 / sec.	10	6	
Electrodes, X blocks, burette Clamps, enamel bowls brass uprights with coarse and fine adjustments basin, spirit lamps, copper wire (double cotton covered) Kymograph paper etc.	as required	as required	
<u>B. MAMMALIAN EXPERIMENTS</u>			
Large extension Kymographs – Brodie Starling complete with respiration pump motor time marker manometer etc.	as required	as required	
Operation Table	1	1	
Volume recorders	8	6	

Dale's bath for internal organs Isolated organs bath for students	30	15	
Isolated organ bath for students complete with lever etc	40	25	
Animal weighing Machine for small and big animals (for each)	1	1	
Mary's Tambour	40	20	
Venus and arterial canula (different sizes (each)	40	12	
Smoking outfit, with fume cupboard	1	1	
Varnishing outfit for long and short papers	1	1	
Anesthesia box	5	3	
Surgical instruments for operative procedures, Syringes, pulleys, etc.	as required	as required	
<u>(C) HUMAN AND OTHER EXPERIMENTS</u>			
Microscopes, Oil immersion	50 + 8	36 + 6	
Demonstrations eye piece	4	3	
Double Demonstration eye piece	4	3	
Stage incubator	1	1	
Westergen's Pipettes for E.S.R. on stand (with space pipettes)	40	35	
Perimeter Priestly Smith S/LP. 984 B & T	10	6	
Haemoglobinometer, Sahli or Hellige (with spaces)	40	36	

Heamocytometers	40	36	
Sphygmomanometer	15	12	
Stethoscopes	20	12	
Stethoscopes, Demonstration with multiple ear pieces	4	2	
Polygraph	4	2	
Venus pressure apparatus	2	2	
Spiro-meter, Ordinary	10	6	
Gas analysis apparatus, Haldane's students type	1	1	
Van Slyko' apparatus manometric	2	2	
Gas analyser – Automatic for CO ₂ , O ₂ N ₂	1	1	
Douglas bag complete	6	6	
Basal Metabolism apparatus	1	1	
Erogograph Mosse's	10	6	
Clinical thermometer	30	12	
Compas	10	10	
Thermanaesthesiometer	5	3	
Algometer	5	3	

Apparatus for Passive movement	5	1	
Knee hammer	15	12	
Stethograph	15	10	
Bicycle ergometer	6	4	
Olfactometer	1	1	
Ophthalmoscope	2	2	
Schematic eye	4	2	
Phakoscope	2	1	
Perimeters with charts	5	2	
Colour perception lantern Edridge Green	1	1	
Moddox rod	1	1	
Newtons colour wheel	1	1	
Tuning forks to test hearing 32-10,000 cps (sets)	4	2	
Dynamometer	2	1	
Otorhinolaryngoscopies	5	3	
Sterilizer Electric	2	2	
Instrument trolley	1	1	

Stop watches	10	6	
<u>(D) GENERAL</u>			
Physiograph, 3 Channels, complete with accessories	2	1	
Physiograph, single Channel, with accessories	8	6	
Centrifuge, high speed with technometer etc.	1	1	
Calorimeter, photo electric	2	1	
PH meter electric	2	1	
Refrigerator 9 – 10 ft.	2	1	
Oxygen Cylinder with trolley	8	6	
Co Cylinder with trolley	3	2	
Electronic stimulator	2	1	
Water Distillations still with spare heating elements	1	1	
All glass distillation apparatus double stage voltage stabilizer	1	1	
Step down transformers	4	3	
Thermometer, Balances, Micro slides and glassware.	as required	as required	

III. DEPARTMENT OF BIO-CHEMISTRY

	Required		Available
Fume cupboards	2	2	
Boiling Water baths, with lids having 8-12 holes	8	6	
Autoclaver electric	2	2	
Balance Open pan	6	6	
Balance Semi Micro	2	2	
Balance Micro	1	1	
Vortex mixers	2	2	
Urinometers	75	50	
Constant temperature water bath	6	4	
Ryles tube	4	4	
Incubator electric with thermostat	4	4	
Hot air oven	4	4	
Magnetic stirrer	2	2	
Pump Vacuum	2	2	
Calorimeters	9	6	

Refrigerators	5	4	
Flame Photometer	2	2	
Thermometers 0-250c	6	4	
Thermometers 0-110c	6	4	
Cork borer set	1	1	
Stop watch	6	4	
Spirit lamp	75	50	
Chromatographic chamber	3	2	
Water distillation plant (metallic)	4	3	
All glass distillation apparatus	4	3	
Dessicators large size	8	6	
Dessicators small size	8	6	
Centrifuge clinical for 12 tubes	8	6	
PH meters	4	3	
Homogeniser	4	3	
Microscopes	8	6	
Ultra Violet (U.V.) Lamp	2	1	

Tools for small workshop for blowing and mending	1 Set	1 Set	
Bottle dispensers	20	15	
Samplers (autopipettes) different volume range	20	15	
Electrophoresis apparatus with power supply for Paper Page Agarose	8	6	
Spectrophotometer	2	1	
Binocular research microscopies	2	2	
Glass ware as required by standard lab like pipettes, beakers and conical flasks etc..	as required	as required	

Details regarding the fulfillment of all the conditions for M.B.B.S. Degree Course for 150 seats as referred to in various provisions of the Medical Council of India Regulations and the Tamil Nadu Dr. M.G.R. Medical University Affiliation of Medical Colleges Statutes.

SIGNATURE OF THE APPLICANT TRUST
(WITH OFFICE SEAL)

Encl: Sworn Affidavit & Declaration Form

Station :

Date :