

Chapter – 2

MEDICAL EDUCATION

2.1. The Directorate of Medical Education (D.M.E) is functioning from July 1966. The prime responsibilities of the Directorate are:

- 1) Development of Medical Education.
- 2) Administration of Medical Colleges and Teaching Hospitals.
- 3) Effective supervision of Selection Committee for admission to specified Medical and Nursing Courses of Study.

2.2. Medical institutions:

At present 14 Government Medical Colleges, one Government Dental College, two Physiotherapy colleges and two B.Sc., Nursing Colleges and 21 Schools of Nursing (Diploma) (Thirteen under the control of Director of Medical Education and eight under the control of Director of Medical & Rural Health Services) are run by the Government. A total of 45 Hospitals are functioning under the control of D.M.E. The total bed strength of these Hospitals is 23336. The daily average inpatient and outpatient strength are 22605 and 77019 respectively. The Medical Education is provided in both Government and private institutions in the State. The relevant data are presented in Tables 1 and 2 below:

Table 1: Number of seats available in each course in Government sector:

(a) Number of seats available in under -graduate / diploma courses:

Name of the Course	No. of seats
M.B.B.S.	1645
B.D.S.	100
B.Sc. (Nursing)	75
Post Basic B.Sc.,(Nursing)	40
B.P.T.	50
B.Pharmacy	110
Diploma in Nursing	1795

Diploma in Nursing

Stipendiary	Non-stipendiary	Total
645	1150	1795

(b) Number of Specialties and intake capacity under Post Graduate Courses:

Courses	No. of Specialties	Total intake capacity
P.G. Degree	23	489
P.G. Diploma	15	436

M.D.S	8	35
Higher Specialities	15	77
M. Pharmacy	4	32
M.Sc. (Nursing)	4	8

Table 2: Number of self-financing Medical and Para Medical Institutions functioning in the Private Sector which surrender seats to the Government.

Colleges	Number of Colleges	Number of seats	Number of seats surrendered to Government
IRT Medical College, Perundurai (Quasi Government College)	1	60	39
Medical Colleges- M.B.B.S.	3	350	212
Dental Colleges	15	1170	732
Bachelor of Pharmacy (B.Pharm)	33	1945	1227
Bachelor of Physiotherapy (B.P.T.)	33	1630	1010
Bachelor of Science B.Sc., (Nursing)	54	2825	1726
Bachelor of Occupational Therapy (B.O.T.)	3	150	96
D.Pharm to Pharmacy (Lateral Entry 10%)	31	178	178

2.3. Selection Process:

2.3.1. Selection to MBBS/Bachelor of Dental Surgery/ Bachelor of Science (Nursing) Bachelor of Physiotherapy//Bachelor of Occupational Therapy/ Bachelor of Pharmacy courses is done by a selection committee under single Window system following the rules of reservation under the Chairmanship of the Director of Medical Education in accordance with the policy of Government announced every year. Admission to Post graduate Diploma, Degree, MDS and Higher specialties courses are done by the Selection Committee through a common entrance examination followed by counseling, adopting the rule of reservation. Admission to diploma courses in Nursing is also done by the selection committee on Merit basis (+2 marks) followed by counselling and adopting the rules of reservation.

2.3.2. As per the orders of the Hon'ble Supreme Court of India issued in P.A.Inamdar's case, the management of the self-financing institutions are permitted to exercise the rights to fill up the seats in their Colleges as per the norms laid down by the Supreme Court of India. But the Government have negotiated with the management of the self-financing Institutions for the benefit of the meritorious candidates for the surrender of 65% of the total seats in the case of Non-Minority un-aided Institutions and (50% in the case of minority Institutions) to Government quota.

2.4. New Government Medical Colleges:

2.4.1. The Government have announced for establishment of three new Government medical colleges at Villupuram, Dharmapuri and Thiruvarur. The present status of these new medical colleges is given below:

2.4.2. **Government Medical College, Villupuram:** The Special Officer/Dean has been appointed to process the preliminary work for starting the new Government Medical College at Villupuram. Necessary lands for construction of building have been identified. Action has been taken to obtain the enter upon permission. The Government have issued orders to transfer the Government Headquarters Hospital at Villupuram to the control of Director of Medical Education along with the infrastructure facilities, site, building, equipments, vehicle and staff etc., The Government has sanctioned a sum of Rs. 41.01 crores towards the construction of the building for Government Villupuram Medical College Hospital, Villupuram.

2.4.3. **Government Medical College, Dharmapuri:** The Special Officer/ Dean has been appointed to process the preliminary work for starting new Government Medical College at Dharmapuri. The Government have issued orders to transfer the Government Head Quarters Hospital, Dharmapuri to the control of the Director of Medical Education along with the infrastructure facilities and staff etc. The Government has sanctioned a sum of Rs.47.58 crores towards the construction of the building for the new Government Medical College, Dharmapuri.

2.4.4. **Government Medical College, Thiruvarur:** The Special Officer/ Dean has been appointed to process the preliminary work for starting the new Government Medical College at Thiruvarur. The Government have issued orders to transfer the Government Head Quarters Hospital Thiruvarur to the control of the Director of Medical Education along with the infrastructure facilities and staff etc., The Government have sanctioned a sum of Rs.47.58 crores towards the construction of the building for the new Medical College.

2.4.5. Now the Government have announced two more new Government Medical Colleges one at Sivagangai and the other at Perambalur.

2.5. New Dental, Nursing and Physiotherapy Colleges:

2.5.1. The Government have issued orders to consider the request of private trust for issue of permission to start Dental/ B.Sc., (Nursing)/ Diploma in Nursing and other Para-medical courses in rural areas of the State on merits taking into account of existing guidelines. The Government have also decided to permit the request of the private Trust/Societies for increase of seats in the existing Colleges from 50-100 seats in B.Sc., (Nursing) Course and 20-40 seats in Diploma in nursing course.

2.5.2. 63 Self financing private institutions to conduct B.Sc (Nursing) courses and also 51 self financing private institutions to conduct Diploma in Nursing course have been permitted by the Government in the years 2006-07 and 2007-2008.

The revised fees fixed are as follows:-

B.Sc. (Nursing) -Rs.1200/- per annum
Diploma in Nursing/DMLT-Rs. 200/- per annum

2.5.3. A proposal for the increase of seats in B.Sc.(Nursing) course from 25-50 per annum, 8 to 100 of seats in M.Sc.(Nursing) course in Madras Medical College and starting of M.Sc.

(Nursing) Course at Madurai Medical College, Madurai is under consideration. The existing seats in certificate courses have been increased from 2700 to 5000. 125 seats in Diploma in Nursing have been created exclusively for SC/ST Students. The Government have announced two new Nursing schools at Vellore and Theni medical colleges at a cost of Rs.4.00 crores.

2.5.4. Hostels will be constructed for 5 Nursing schools at Government General Hospital, Chennai, Stanley Medical College, Coimbatore Medical College, Government District headquarters Hospitals at Ramanathapuram and Udhamandalam at a cost of Rs.1.00 crores each totalling to Rs. 5.00 crores.

2.6. Starting / Increase of Post Graduate seats in Government Medical Colleges:

The proposals have been sent to Government of India for starting 69 new Post Graduate courses and increasing of seats in the existing 5 post graduate courses in Government Medical Colleges. The Medical Council of India has conducted inspection and the Government of India has conveyed the approval for starting the 30 courses in 10 Government Medical Colleges with prospective effect from the academic year 2007-08. Compliance reports are being sent to Medical Council of India for the remaining courses. The Medical Council of India has been requested to re-inspect the colleges for compliance verification for grant of letter of permission for 5 courses.

2.7. Upgradation of Government Mohan Kumaramangalam Medical College Hospital, Salem on par with All India Institute of Medical Sciences at New Delhi:

The Central Government have proposed to upgrade the Government Mohan Kumaramangalam Medical College Hospital, Salem to the level of All India Institute of Medical Sciences, New Delhi under Pradhan Manthri Swasthya Suraksha Yojana Programme. The Government of India have also decided to invest Rs. 100.00 crores as Central Government contribution. The State Government has funded a sum of Rs. 20.00 crores.

2.8. Improvements to Teaching Hospitals:

1. Sanction has been accorded for providing MRI scan facility to the teaching Hospitals at Thirunelveli, Thanjavur, Thiruchirappalli, Coimbatore and Vellore. Sanction has also been accorded for providing MRI Scan facility to Government Stanley Hospital, Chennai, at a cost of Rs.4.27 crores. The above equipment has been installed and functioning except Thanjavur.
2. Sanction has been accorded for Rs. 5.5 crores for providing modern sophisticated 64 slice CT scan to Government General Hospital, Chennai. The equipment has been purchased through Tamil Nadu Medical Services Corporation and installed at the above institution.
3. Sanction has been accorded for Rs.3.00 crores for providing Lithotripsy equipments to Government General Hospital, Chennai and Government Rajaji hospital Madurai. At Government General Hospital, Chennai it has been put into patient's use. At Madurai. At Government General Hospital, Chennai it has been put into patient's use. At Madurai, after getting clearance from the customs duty, the equipment will be installed by the Tamil Nadu Medical Services Corporation.
4. Sanction has been accorded for Rs.2.34 crores towards the starting of Neo-natal ward in Institute of Obstetric and Gynaecology and Government Hospital for Women and Children, Chennai.

- 5 Sanction has been accorded for Rs. 2.70 crores towards the purchase of multi slice CT scanner and other Medical equipments to the Bernard Institute of Radiology, Government General Hospital, Chennai.
- 6 Sanction has been accorded for Rs. 28.00 lakhs towards the purchase of equipments to bone Bank at Government General hospital, Chennai. All equipments have been installed.
- 7 Sanction has been accorded for Rs. 52.00 Lakhs towards the purchase of 50 Dental Chairs to Tamil Nadu Government Dental College Hospital, Chennai.
- 8 Sanction has been accorded for Rs.14.00 crores towards the construction of 300 bedded additional building at Institute of Child Health and Hospital for Children, Chennai.
- 9 Sanction has been accorded for Rs.9.87 crores towards the construction of 5th floor of Surgical Block at Government Royapettah Hospital, Chennai. Sanction has also been accorded for Rs.21.00 crores towards construction of Hostel for students and other infrastructure improvement in the following colleges:-
 - a) Government Chengalpattu Medical College, Chengalpattu,
 - b) Government Thirunelveli Medical College, Thirunelveli,
 - c) Government K.A.P. Viswanathan Medical College, Thiruchirapalli,
 - d) Government Madurai Medical College, Madurai,
 - e) Government Kilpauk Medical College, Chennai,
 - f) Government Stanley Medical College, Chennai,
 - g) Tamil Nadu Government Dental College, Chennai

2.9. Cancer Control Programme:

2.9.1. The Cobalt Therapy unit has been installed in the following institutions and they are functioning.

1. Government Royapettah Hospital, Chennai
2. Institute of Obstetrics and Gynaecology and Government Hospital for Women and Children, Chennai.
3. Government General Hospital, Chennai
4. Government Thanjavur Medical College Hospital, Thanjavur.
5. Government Thirunelveli Medical College Hospital, Thirunelveli.
6. Government Rajaji Hospital, Madurai
7. Government Coimbatore Medical College Hospital, Coimbatore
8. Government Arignar Anna Memorial Cancer Hospital, Kancheepuram

2.9.2. The Government of India have released a sum of Rs. 7.88 crores towards purchase of Linear Accelerator C.T. Stimulator, rotational Cobalt unit equipments etc., for Government Arignar Anna Cancer Hospital, Karapettai, Kancheepuram. Action is being taken to provide the equipments through the Tamil Nadu Medical Services Corporation.

2.10. Mammography Units:

The Mammography units have already been installed in the following institutions:

- 1 Coimbatore Medical College Hospital, Coimbatore
- 2 Thanjavur Medical College Hospital, Thanjavur
- 3 Thirunelveli Medical College Hospital, Thirunelveli

2.11. Schemes sanctioned during 2007-2008:

1. Sanction has been accorded for Rs.127.92 lakhs towards the setting up of Central Sterile Supply Department at Government General Hospital, Chennai. The works are under progress.
2. Sanction has been accorded for a sum of Rs.60.95 lakhs to start the department of Cardio Thoracic Surgery at Institute of Child Health and Hospital for Children, Chennai.
3. Sanction has been accorded for Rs.106.00 lakhs towards of the purchase of equipment for the department of Cardiology at Government Rajaji Hospital, Madurai.
4. Sanction has been accorded for Rs.16.00 lakhs towards the purchase of two buses for providing transport facility of students at Kilpauk Medical College, Chennai to Government Royapettah Hospital, Chennai.
5. Sanction has been accorded for a sum of Rs.40.00 lakhs towards the purchase of Video Endoscopy for the department of Medical Gastro Enterology at Government Stanley Hospital, Chennai.

2.12. King Institute of Preventive Medicine:

The King Institute of Preventive Medicine, Guindy is one of the premier Institutions of this country. This Institute is manufacturing Vaccines and serum. It is also a teaching and research centre. The Virology Department of this Institute is recognized by Government of India and World Health Organisation as the National Polio Laboratory for South East Asia Region of the World Health Organization. Drug samples received from Tamil Nadu Medical Services Corporation and samples from various Blood banks are also analyzed and reports sent to them.

2.13. Tamil Nadu Dr.M.G.R. Medical University:

2.13.1. The Tamil Nadu Dr.M.G.R. Medical University was established in July 1988, to promote academic excellence, to provide for research and advancement of knowledge in the field of Medical and Paramedical Education. At present, 250 Institutions are affiliated to this University.

2.13.2. Under this University, Department of Transfusion Medicine, Department of Curriculum Development, Department of Epidemiology, Department of Experimental Medicine, Virtual Library, etc., are functioning.

2.13.3. The Department of Transfusion Medicine established in the year 1997 has started the P.G. Degree course in M.D., Immuno Heamatology and Blood Transfusion Medicine with an intake of 2 students which is the second Institution to start this course in India with the approval of the Medical Council of India. Now six students are undergoing the courses in three batches.

2.13.4. The Department of Epidemiology has started P.G. Degree course in M.Sc., Epidemiology and so far, 4 batches of students are graduated. This Department is also conducting Research Programmes leading to the Award of Ph.D. The above department has completed 18 such courses and trained 550 students.

2.13.5. The Department of Siddha has been started during November 2007. The aim of this department is to start full time / part-time Ph.D. research programmes and also D.M.(Siddha) super Specialities courses, M.D.(Siddha) courses and P.G.(Diploma) courses in Siddha in six branches and other courses etc., in University campus.

2.13.6. At present, the Regional Medical Library and its unit viz., Medical Informatics Centre, Digital Library and the virtual library are functioning within the main annexure of the administrative building.

2.14. New Schemes for the year 2008-2009:

1. Purchase of 52 seated Bus for the following Institutions at a total cost of Rs. 46.44 lakhs:-
 - (i) Government Mohan Kumaramangalam Medical College, Salem
 - (ii) Government Medical College, Coimbatore.
 - (iii) Government Chengalpattu Medical College, Chengalpattu
2. Purchase of 52 seated Bus for School of Nursing functioning in the following medical colleges at a total cost of Rs. 33.23 lakhs:-
 - (i) Madras Medical College, Chennai
 - (ii) Madurai Medical College, Madurai
3. Construction of first floor over existing Nursing Hostel at Chengalpattu Medical College Hospital, Chengalpattu at a total cost of Rs.50.00 lakhs
4. Establishment of Real Time PCR diagnostic facilities at King Institute, Guindy, Chennai at a total cost of Rs.22.50 lakhs.