



# PERFORMANCE BUDGETS

1983-84

## SCHOOL EDUCATION COLLEGIATE EDUCATION AND TECHNICAL EDUCATION

GOVERNMENT OF TAMIL NADU

MARCH 1983

# PERFORMANCE BUDGET FOR 1983—84

## SCHOOL EDUCATION

### PART ' A '

#### INTRODUCTION

The Director of School Education is the major head of the department in charge of School Education, while the Director of Government Examinations is in charge of Examinations and the Director of Adult Education and Non-Formal Education is in charge of Adult Education and Non-Formal Education at school level.

2. The Chief Educational Officers at the Revenue district level, the District Educational Officers at the Educational District level, Inspectresses of Girls Schools (incharge of Girls High Schools in one or two Districts each) Assistant Educational Officers (incharge of Panchayat Union Schools at Block level) and the Deputy Inspectors of Schools at the range level, watch the progress and development of School Education in their respective jurisdiction. The Government Schools are administered direct by the Department. The Inspector of Anglo-Indian Schools supervises the Anglo Indian Schools in the State and the Inspector of Matriculation Schools supervises the Matriculation Schools.

#### 3. The Aims and Objects :

The General aims and objectives of the Education Department as enunciated by the State Planning Commission, in their document "Towards a Learning Society" are :

Development of the personality of the child and its discrete and harmonious growth as a member of a group bearing on its affective life and work experience ; Understanding of the culture and history of the State, the Country and the world, Instruction in the moral and spiritual values of the country ;

Acquisition of Scientific, technical and professional skills ;

Promotion of research to push back the frontiers of knowledge and solve the technical and developmental problems faced by the State and the Country ;

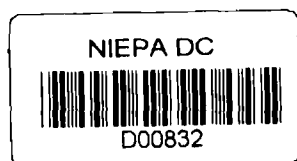
Democratization of education through meeting the growing demand for education and the provision of social compensation for the condition of the poor majority of the States' population.

The specific objectives of the School Education Department are :

1. To expand schooling facilities and achieve cent per cent enrolment of the pupils of the age group 6—11 and 11—14 and improve the enrolment of age group 14—16,

2. To improve the quality of Education in Schools by providing (or assisting in the provision of) adequate school buildings, Laboratories, School Libraries play grounds etc., promoting science education in a sustained manner, creating additional posts of teachers for the additional enrolment of pupils ; improving the professional competence of School teachers by giving inservice training etc. improving methods of evaluating the scholastic attainments of pupils and implementing schemes like free supply of midday meals to poor pupils in elementary schools and free supply of books and uniforms to the needy pupils.

3. To provide such incentives as may be necessary for the welfare of students and teachers.



4. The expansion in schooling facilities in Tamil Nadu over the years will be seen from the following figures ;

| Year.      | Elementary Schools. |                                | High Schools (including Higher Secondary Schools from 1978-79. |                                |
|------------|---------------------|--------------------------------|--|--------------------------------|
|            | Number of schools.  | Number of students (in lakhs). | Number of schools.   | Number of students (in lakhs). |
| (1)        | (2)                 | (3)                            | (4)  | (5)                            |
| 1950-51 .. | 16,037              | 18.05                          | 573  | 3.06                           |
| 1960-61 .. | 22,621              | 27.52                          | 1,196  | 6.47                           |
| 1970-71 .. | 31,970              | 55.43                          | 2,634  | 14.38                          |
| 1980-81 .. | 33,306              | 69.11                          | 3,369  | 22.17                          |
| 1981-82 .. | 33,323              | 70.12                          | 3,575  | 23.63                          |
| 1982-83 .. | 33,855              | 72.73                          | 3,676  | 24.44                          |

The total number of children enrolled in all schools in Tamil Nadu from Standards I to XII is 97.17 lakhs in 1982-83 out of which 41.88 lakhs viz., 43.10 per cent are girls.

#### FINANCIAL REQUIREMENTS .

The financial requirements for the School Education Department for the year 1983-84 are shown below :

| Serial number and nature of classification.                      | Accounts 1981-82 |            | Revised Estimate 1982-83 |            | Budget Estimate 1983-84 |          |
|--|------------------|------------|--------------------------|------------|-------------------------|----------|
|  | Non-Plan.        | Plan.      | Non-Plan.                | Plan.      | Non-Plan.               | Plsn.    |
| (1)  | (2)              | (3)        | (4)                      | (5)        | (5)                     | (7)      |
| (RUPEES IN LAKHS).   |                  |            |                          |            |                         |          |
| <b>1. Programme and Activity Classification—</b>                 |                  |            |                          |            |                         |          |
| 1. Direction and Administration.                                 | 7,01.02          | 41.64      | 8,33.28                  | 55.36      | 8,70.31                 | 55.34    |
| 2. Elementary Education ..                                       | 1,09,32.15       | 9,53.91    | 1,35,81.22               | 12,94.12   | 1,37,67.46              | 5,76.38  |
| 3. Chief Minister's Nutritious Meals Programme.                  | 5,29.58          | ..         | 20,19.67                 | ..         | 24,38.46                | ..       |
| 4. Secondary Education ..  | 64,92.09         | 2,91.66    | 76,71.36                 | 4,17.16    | 78,47.98                | 4,78.93  |
| 5. Higher secondary Education.                                   | 12,16.12         | 9,28.67    | 15,92.93                 | 12,73.02   | 16,73.07                | 12,60.29 |
| 6. Teacher Education ..  | 58.66            | 10.35      | 64.94                    | 18.00      | 66.55                   | 18.33    |
| 7. Anglo-Indian Schools etc.                                     | 38.53            | ..         | 33.93                    | ..         | 33.98                   | ..       |
| 8. Boarding Homes and Orphanages.                                | 58.00            | ..         | 58.00                    | ..         | 90.00                   | ..       |
| 9. Scholarships and Concessions.                                 | 19.07            | 0.86       | 23.03                    | 22.32      | 23.21                   | 18.32    |
| 10. SCERT .. ..  | 11.66            | 8.21       | 16.29                    | 22.91      | 14.15                   | 25.46    |
| 11. Examinations .. ..   | 2,31.72          | 6.34       | 2,68.37                  | 10.30      | 2,66.65                 | 10.45    |
| 12. Adult and Non-formal Education.                              | 5.75             | 1,68.19    | 3.27                     | 1,95.30    | 3.15                    | 3,00.38  |
| 13. Miscellaneous .. ..  | 3,82.92          | 6.22       | 4,35.06                  | 12.64      | 4,59.11                 | 3.91     |
| 14. Pension to staff of Non-Government Educational Institutions. | 10,29.89         | ..         | 11,51.14                 | ..         | 11,57.14                | ..       |
| Total .. ..  | 2,17,07.16       | 24,16.05   | 2,77,52.49               | 33,26.13   | 2,87,11.22              | 27,47.79 |
|  |                  | 2,41,23.21 | 3,10,78.62               | 3,14,59.01 |                         |          |

Sub. No. Educational  
 Plan. No. Institution  
 17-B, Sri A. B. Road, Delhi-110008  
 DOC. No. D-832  
 Date. 2/7/85

| Serial number and name<br>of the classification.<br>(1)    | Accounts 1981-82. |              | Revised Estimates<br>1982-83. |              | Budget Estimates<br>1983-84. |              |
|--|-------------------|--------------|-------------------------------|--------------|------------------------------|--------------|
|  | Non-Plan.<br>(2)  | Plan.<br>(3) | Non-Plan.<br>(4)              | Plan.<br>(5) | Non-Plan.<br>(6)             | Plan.<br>(7) |
| II. OBJECT WISE CLASSIFICATION.                            |                   |              |                               |              |                              |              |
| (RUPEES IN LAKHS).   |                   |              |                               |              |                              |              |
| 1. Salaries .. .. .  | 1,02,94.78        | 5,89.84      | 1,42,03.39                    | 9,05.76      | 1,46,21.50                   | 11,27.53     |
| 2. Wages .. . . .  | 36.95             | .29          | 3,57.80                       | .64          | 10,49.78                     | .68          |
| 3. Travel Expenses ..                                      | 90.77             | 7.49         | 96.59                         | 9.56         | 1,00.49                      | 11.51        |
| 4. Office Expenses ..                                      | 2,42.65           | 10.94        | 2,33.34                       | 18.22        | 2,43.15                      | 28.58        |
| 5. Payments for Profes-<br>sional and Special<br>Services. | 69.37             | 1.24         | 85.39                         | .59          | 80.41                        | 2.53         |
| 6. Rents .. .. .   | 15.82             | 1.62         | 18.43                         | 2.68         | 18.76                        | 1.68         |
| 7. Grants-in-aid .. ..                                     | 92,74.48          | 5,10.77      | 1,03,37.64                    | 7,39.49      | 1,06,78.12                   | 843.93       |
| 8. Scholarships .. ..                                      | 19.07             | .86          | 23.03                         | 22.32        | 23.21                        | 18.32        |
| 9. Buildings .. .. .                                       | 71.08             | 10,99.75     | 2,41.50                       | 13,62.39     | 2,50.20                      | 389.69       |
| 10. Machinery and equip-<br>ment.                          | 1.85              | 39.02        | 0.81                          | 18.82        | .31                          | 25.43        |
| 11. Motor Vehicles .. ..                                   | 19.37             | 9.07         | 26.63                         | 10.17        | 24.30                        | 2.84         |
| 12. Maintenance .. ..                                      | 1.83              | 23.04        | 3.92                          | 21.74        | 3.92                         | 59.65        |
| 13. Materials and Supply ..                                | 82.44             | ..           | 4,75.62                       | ..           | 19.01                        | ..           |
| 14. Inter Account Transfer                                 | (—) .11           | ..           | (—)2.00                       | ..           | (—) 2.00                     | ..           |
| 15. Other charges .. ..                                    | 93.10             | 1,23.12      | 86.26                         | 2,13.75      | 4.42                         | 235.42       |
| 16. Pensions .. .. .                                       | 10,29.89          | ..           | 11,51.14                      | ..           | 11,57.14                     | ..           |
| 17. Loans and Advances ..                                  | 3,63.32           | ..           | 4,12.50                       | ..           | 4,38.00                      | ..           |
| Total .. .. .  | 2,17,07.16        | 24,16.05     | 2,77,52.49                    | 33,26.13     | 2,87,11.22                   | 27,47.79     |
|  | 2,41,23.21        |              | 3,10,78.62                    |              | 3,14,59.01                   |              |

| Serial number and name<br>of the classification.                                | Accounts 1981-82. |          | Revised Estimate<br>1982-83. |          | Budget Estimate<br>1983-84. |          |
|---|-------------------|----------|------------------------------|----------|-----------------------------|----------|
|   | Non-Plan.         | Plan.    | Non-Plan.                    | Plan.    | Non-Plan.                   | Plan.    |
|   | (2)               | (3)      | (4)                          | (5)      | (6)                         | (7)      |
| III. SOURCE OF FINANCING.   |                   |          |                              |          |                             |          |
| (RUPEES IN LAKHS).  |                   |          |                              |          |                             |          |
| 1. 259. Office Buildings ..   | 55.11             | ..       | 64.72                        | ..       | 64.61                       | ..       |
| 2. 266. Pension to staff of<br>Non Government<br>Educational Insti-<br>tutions. | 10,29.89          | ..       | 11,51.14                     | ..       | 11,57.14                    | ..       |
| 3. 277. Education .. ..   | 2,02,38.97        | 13,16.30 | 2,59,46.47                   | 19,63.74 | 2,68,64.82                  | 23,58.10 |
| 4. 277. Education (under<br>Demand 28 Commu-<br>nity Development).              | ..                | 8,08.56  | ..                           | 10,04.00 | ..                          | 2,09.01  |
| 5. 277. Education (Under<br>Demand 27 Public<br>Works).                         | 13.41             | 4.35     | 1,57.97                      | 3.65     | 1,78.01                     | 1.15     |
| 6. 288. Social Security and<br>Welfare.   | 3.90              | ..       | 5.88                         | ..       | 6.06                        | ..       |
| 7. 459. Capital Outlay on<br>Office Buildings.                                  | ..                | 13.10    | ..                           | 11.01    | ..                          | 1.09     |
| . 477. Capital Outlay on<br>Education (School<br>Buildings).                    | 2.56              | 2,73.74  | 13.81                        | 3,43.73  | 2.58                        | 1,78.44  |
| 9. 767. Loans and Ad-<br>vances.  | 3,63.32           | ..       | 4,12.50                      | ..       | 4,38.00                     | ..       |
| Total ..  | 2,17,07.16        | 24,16.05 | 2,77,52.49                   | 33,26.13 | 2,87,11.22                  | 27,47.49 |
|   | 2,41,23.21        |          | 3,10,78.62                   |          | 3,14,59.01                  |          |

## 1. DIRECTION AND ADMINISTRATION.

| Accounts 1981-82.  |              | Revised Estimate<br>1982-83. |              | Budget Estimate<br>1983-84. |              |
|--------------------|--------------|------------------------------|--------------|-----------------------------|--------------|
| Non-Plan.<br>(1)   | Plan.<br>(2) | Non-Plan.<br>(3)             | Plan.<br>(4) | Non-Plan.<br>(5)            | Plan.<br>(6) |
| (RUPEES IN LAKHS). |              |                              |              |                             |              |
| 7,01.02            | 41.64        | 8,33.28                      | 55.36        | 8,70.31                     | 55.34        |

The Director of School Education is assisted at the headquarters by one Additional Director 4 Joint Directors (One for Personnel one for Elementary Education and SCERT, One for Secondary Education, and one for Higher Secondary Education) 6 Deputy Directors (one for Elementary Education, One for Secondary, 2 for Higher Secondary Education, One for Midday Meals and one for Educational Technology Cell) and other Assistant Directors to look after special aspects of education like Science Education, Libraries, Audio-Visual Education, Educational Statistics, Chief Minister's Nutritious Meal Programme Scheme etc., besides One Financial Controller and One Administrative Officer. At present there are 16 Chief Educational Officers—One each for all the revenue districts in the State.

There are 51 District Educational Officers, 14 Inspectresses of Girls Schools, One Inspector of Anglo-Indian School, One Inspector of Matriculation Schools, 366 Assistant Educational Officers and 480 Deputy Inspectors.

## 2. ELEMENTARY EDUCATION.

| Accounts 1981-82.  |              | Revised Estimate<br>1982-83. |              | Budget Estimate<br>1983-84. |              |
|--------------------|--------------|------------------------------|--------------|-----------------------------|--------------|
| Non-Plan.<br>(1)   | Plan.<br>(2) | Non-Plan.<br>(3)             | Plan.<br>(4) | Non-Plan.<br>(5)            | Plan.<br>(6) |
| (RUPEES IN LAKHS.) |              |                              |              |                             |              |
| 1,09,32.15         | 9,53.91      | 1,35,81.22                   | 12,94.12     | 1,37,67.46                  | 5,76.38      |

The expenditure on maintaining Government Elementary School. on payment of salaries to Panchayats Union Elementary School teachers absorbed as government Servants from 1st June 1981 and on payment of grants to municipalities and Corporations and aided managements for running their elementary Schools is debited to this head.

## 3. CHIEF MINISTER'S NUTRITIOUS MEALS PROGRAMME.

| Accounts 1981-82.  | Revised Estimate<br>1982-83. | Budget Estimate<br>1983-84. |
|--------------------|------------------------------|-----------------------------|
| Non-Plan.<br>(1)   | Non-Plan.<br>(2)             | Non-Plan.<br>(3)            |
| (RUPEES IN LAKHS). |                              |                             |
| 5,29.58            | 20,19.67                     | 24,38.46                    |

About 42 lakhs of pupils of age group 5+9+ studying mainly in standards 1-5 of Primary and Middle Schools in the state are now getting the benefit of Chief Ministers Nutritious Meals Programme for Children. Full details are given in the demand note :

## 4. SECONDARY EDUCATION.

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS).       |              |                                  |              |                                 |              |
| 64,92.09                 | 2,91.66      | 76,71.36                         | 4,17.16      | 78,47.98                        | 4,78.93      |

The expenditure on maintaining the Government High Schools and that on the teaching and other grants given to Aided and Municipal High Schools is shown under this classification. Teaching grant and maintenance grants are paid to Aided Secondary Schools as per the rules in force. Grants are given at two-thirds of the net approved expenditure, to Corporations, and Municipalities for maintaining their High Schools.

## 5. HIGHER SECONDARY EDUCATION.

| <i>Accounts 1981-82.</i> |              | <i>Revised estimate 1982-83.</i> |              | <i>Budget estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS)        |              |                                  |              |                                 |              |
| 12,16.12                 | 9,28.67      | 15,92.93                         | 12,78.02     | 16,73.03                        | 12,60.29     |

There were now 1360 Higher Secondary Schools excluding 56 schools affiliated to the Central Board of Secondary Education etc., 2.91 lakhs of students were studying in Higher Secondary Standards in the 1,360 schools and 0.06 lakhs students in Central Board of Secondary Education etc., schools.

## 6. TEACHER EDUCATION.

| <i>Accounts for 1981-82.</i> |              | <i>Revised Estimate for 1982-83.</i> |              | <i>Budget Estimate for 1983-84.</i> |              |
|------------------------------|--------------|--------------------------------------|--------------|-------------------------------------|--------------|
| <i>Non-Plan.</i>             | <i>Plan.</i> | <i>Non-Plan.</i>                     | <i>Plan.</i> | <i>Non-Plan.</i>                    | <i>Plan.</i> |
| (1)                          | (2)          | (3)                                  | (4)          | (5)                                 | (6)          |
| (RUPEES IN LAKHS)            |              |                                      |              |                                     |              |
| 58.66                        | 10.35        | 64.94                                | 18.00        | 66.55                               | 18.33        |

There are at present 74 Teachers training institutes in this State containing facilities for turning out mainly Secondary Grade Trained Teachers. Admissions for Secondary Grade Training are made only in alternate years; and were made last in 1981-82.

## 7. ANGLO-INDIAN SCHOOLS etc.

| <i>Accounts for 1981-82.</i> | <i>Revised Estimate for 1982-83.</i> | <i>Budget Estimate for 1983-84.</i> |
|------------------------------|--------------------------------------|-------------------------------------|
| <i>Non-Plan.</i>             | <i>Non-Plan.</i>                     | <i>Non-Plan.</i>                    |
| (1)                          | (2)                                  | (3)                                 |
| (RUPEES IN LAKHS)            |                                      |                                     |
| 38.53                        | 33.93                                | 33.98                               |

The details of the recognised special schools under the control of the School Education Department are as follows—

|  |  |
|--|--|
| Oriental schools .. .. .                 | 18 (16 High schools +2 Higher Secondary schools.                         |
| Pre-Primary Schools .. .. .              | 33   |
| Anglo-Indian schools .. .. .             | 45 (18 High Schools, 26 Higher Secondary schools and 1 training school). |
| Sainik school (Amaravathi Nagar) .. .. . | 1.   |

The Sainik school at Amaravathi Nagar prepares boys academically, Physically and psychologically for entry into the National Reference Academy or into other walks of life. Boys are admitted to the Schools through a common All India Entrance Examination held once a year during January and February. Scholarships are sanctioned by the Government of Tamil Nadu from their funds to the students of Tamil Nadu domicile, studying in the Sainik School on income-cum-merit basis. Students are holding Tamil Nadu Government scholarships. The rate of Scholarship is Rs. 4,000 per head per annum of the first year and Rs. 3,750 for the subsequent year.

A sum of Rs. 7 lakhs per year is spent on the six pre-vocational training centres in the state. School drop-outs of the age group 11-14 are admitted in the centres and given education-cum-craft training for three years.

#### 8. BOARDING HOMES AND ORPHANAGES.

| <i>Accounts for 1981-82.</i> | <i>Revised Estimate for 1982-83.</i> | <i>Budget Estimate for 1983-84.</i> |
|------------------------------|--------------------------------------|-------------------------------------|
| <i>Non-Plan.</i>             | <i>Non-Plan.</i>                     | <i>Non-Plan.</i>                    |
| (1)                          | (2)                                  | (3)                                 |
| (RUPEES IN LAKHS)            |                                      |                                     |
| 58.00                        | 58.00                                | 90.00                               |

There are now 48,000 inmates in the 432 homes for children, half of whom are certified destitutes, belonging to this State and studying in recognised schools. Grants are given on behalf of the inmates between the ages of 5 to 20 (5 to 25 in the case of physically handicapped children).

#### 9. SCHOLARSHIPS AND CONCESSIONS.

| <i>Accounts for 1981-82.</i> |              | <i>Revised Estimate for 1982-83.</i> |              | <i>Budget Estimate for 1983-84.</i> |              |
|------------------------------|--------------|--------------------------------------|--------------|-------------------------------------|--------------|
| <i>Non-Plan.</i>             | <i>Plan.</i> | <i>Non-Plan.</i>                     | <i>Plan.</i> | <i>Non-Plan.</i>                    | <i>Plan.</i> |
| (1)                          | (2)          | (3)                                  | (4)          | (5)                                 | (6)          |
| (RUPEES IN LAKH)             |              |                                      |              |                                     |              |
| 19.07                        | 0.86         | 23.03                                | 22.32        | 23.21                               | 18.32        |

School Education in Tamil Nadu is free at all stages. An important scheme of scholarships is the Rural talent Scholarships tenable for the entire school course (inclusive of Higher Secondary Classes) which are awarded from 1971-72 Under the scheme, Scholarships are awarded every year newly to four students in each Panchayat Union.



## 10. STATE COUNCIL FOR EDUCATIONAL RESEARCH AND TRAINING.

| <i>Accounts for 1981-82.</i> |              | <i>Revised Estimated for 1982-83.</i> |              | <i>Budget Estimated for 1983-84.</i> |              |
|------------------------------|--------------|---------------------------------------|--------------|--------------------------------------|--------------|
| <i>Non-Plan.</i>             | <i>Plan.</i> | <i>Non-Plan.</i>                      | <i>Plan.</i> | <i>Non-Plan.</i>                     | <i>Plan.</i> |
| (1)                          | (2)          | (3)                                   | (4)          | (5)                                  | (6)          |
| (RUPEES IN LAKHS.)           |              |                                       |              |                                      |              |
| 9.61                         | 10.58        | 12.22                                 | 9.63         | 4.33                                 | 19.56        |

The S.C.E.R.T. formed in May 1975 by integrating the three units namely State Institute of Education, State Evaluation Unit and State Institute of Science Education is incharge of Educational Research and Training at School level. From 28th August 1978, the S.C.E.R.T. has been transferred from the control of Director of Government Examinations to the Control of the Director of School Education. The details of the various training and research programmes conducted by the S.C.E.R.T. are given in the Demand Note.

## 11. EXAMINATIONS.

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.:</i> |              |
|--------------------------|--------------|----------------------------------|--------------|----------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                              | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                  |              |
| 2,31.72                  | 6.34         | 2,68.37                          | 10.30        | 2,66.65                          | 10.45        |

Till February 1975, the Director of School Education was also the Commissioner for Government Examinations. From February 1975, the Government have appointed a separate head of the department, the Director of Government Examinations in charge of examinations at School Education Level.

The Director of Government Examinations conducts about 40 examinations every year, some of them annually and some twice a year including the S.S.L.C. and A.I.S.L.C. examinations and from May 1980, the H.S.L.C. examination. There are now two Regional offices for the department at Madurai and Coimbatore. One more Regional Office has been formed at Tiruchirapalli in 1982-83 with skeleton staff and it will become full fledged in 1983-84. There are now 1 Additional Director 1 Joint Director and 1 Deputy Director at the headquarters.

## 12. ADULT AND NON-FORMAL EDUCATION.

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                 |              |
| 5.75                     | 1,68.19      | 3.27                             | 1,95.30      | 3.15                            | 3,00.38      |

Full details of the ongoing programmes of Adult and Non-Formal Education are given in the relevant chapter of the Demand Note. The huge increase of the order of Rs. 1 crore in 1983-84 is for starting 5,400 additional Adult Education Centres in that year.

## 13. MISCELLANEOUS.

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                 |              |
| 3,82.92                  | 6.22         | 4,35.06                          | 12.64        | 4,59.11                         | 3.91         |

The provision represents miscellaneous grants, expenditure on State Awards for Teachers, contribution to the National Foundation for Teachers Welfare, etc. The provision for the following loans to Aided School Teachers (i.e.) Marriage Loan, Loans for purchase of bicycles and handloom and Khadi cloths and Festival Advances are also included under this item. The total provision for these loans is Rs. 412 lakhs in Revised Estimate 1982-83 and Rs. 438 lakhs in Budget Estimate 1983-84.

## 14. PENSION TO STAFF OF NON-GOVERNMENT EDUCATIONAL INSTITUTIONS.

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                 |              |
| 10,29.89                 |              | 11,51.14                         |              | 11,57.14                        |              |

With successive liberalisation of the pension scheme for Non-Government Teachers, originally introduced from 1st April 1955, the teaching and non-teaching staff of all Aided Schools as well as teachers in local Body Schools are now eligible for pension and other retirement benefits. This item is shown under School Education since the bulk of the beneficiaries belong to Aided and local body schools.

## 13. RECEIPTS RELATING TO SCHOOL EDUCATION.

| <i>Accounts 1981-82.</i> | <i>Revised Estimate 1982-83.</i> | <i>Budget Estimates 1983-84.</i> |
|--------------------------|----------------------------------|----------------------------------|
| <i>Non-Plan.</i>         | <i>Non-Plan.</i>                 | <i>Non-Plan.</i>                 |
| (1)                      | (2)                              | (3)                              |
| (RUPEES IN LAKHS.)       |                                  |                                  |
| 3,49.24                  | 4,33.86                          | 3,73.73                          |

The admission fees received in all Government schools and tuition fees paid by English Medium students of Higher Secondary standards in Government Higher Secondary schools, are credited to the above head. Over payments made to Local bodies while releasing Education Grants are also credited to this head, when recovered.

The other items of receipts are:—

- (i) Audit fees paid by managements of aided schools.
- (ii) Examination fees paid by students; and
- (iii) other miscellaneous recoveries.

## PERFORMANCE BUDGET FOR 1983-84.

## COLLEGIATE EDUCATION.

## PART A—.

*Introduction:—*

The Directorate of Collegiate Education, formed in October 1965, is responsible for planning and expansion of Collegiate Education. The development of Collegiate Education has gained considerable momentum after the formation of a separate Directorate. Before the formation of this Directorate, there were only 92 Arts Colleges and 18 Colleges of Education. With the opening of a new Government Arts College at Chidambaram in 1982-83, there are now, 188 (53 Government and 135 Aided) Arts Colleges and 23 (7 Government and 16 Aided) Colleges of Education in Tamil Nadu. Consequent on the opening of a new Physical Education College for Women at Salem under Aided management from the year 1982-83, the total number of other Colleges including two Government Music Colleges has risen to 24 in the State. In addition, evening courses are conducted in many Colleges with an enrolment of about 6,000 students. With the constitution of two more new Universities viz. Bharathiar University at Coimbatore and Bharathidasan University at Tiruchirapalli, there are now 5 Universities in Tamil Nadu. Besides the Tamil University was set up at Thanjavur in September 1981.

The following table shows the development and expansion of Collegiate Education in the recent years.—

*Arts and Science Colleges.*

| Year.                          | Number of colleges. |        |        | Enrol-<br>ment. | Number of<br>teachers<br>employed. | Amount<br>spent. |
|--------------------------------|---------------------|--------|--------|-----------------|------------------------------------|------------------|
|                                | Government.         | Aided. | Total. |                 |                                    |                  |
| (1)                            | (2)                 | (3)    | (4)    | (5)             | (6)                                | (7)              |
| (RUPEES IN CRORES.)            |                     |        |        |                 |                                    |                  |
| 1970-71                        | 43                  | 117    | 160    | 1,64,000        | 8,200                              | 7.36             |
| 1976-77                        | 51                  | 138    | 189    | 2,03,300        | 11,616                             | 13.55            |
| 1977-78                        | 51                  | 137    | 188    | 2,09,000        | 12,206                             | 18.66            |
| 1978-79                        | 51                  | 137    | 188    | 2,01,000        | 12,142                             | 21.83            |
| 1979-80                        | 51                  | 136    | 187    | 1,35,700        | 12,190                             | 22.90            |
| 1980-81                        | 51                  | 136    | 187    | 1,54,700        | 12,570                             | 25.08            |
| 1981-82                        | 52                  | 135    | 187    | 1,71,100        | 12,806                             | 27.79            |
| 1982-83 (Revised<br>Estimate). | 53                  | 135    | 188    | 1,82,700        | 13,408                             | 36.63            |

The details of Colleges of Education and other Colleges are given at the end of Part-C.

The Teacher pupil ratio in 1982-83 was 1 : 12 in Government Colleges ; 1 : 14 in Aided ; Colleges.

The details of the various programmes that are implemented by the Department for the qualitative improvement of Collegiate Education in the State have been furnished below at the appropriate places.

## PART—B.

The Financial requirement for Collegiate Education in 1983-84 are indicated below :—

TABLE—I.

*Programme and activity classification.*

| <i>Head of Account.</i>   | <i>Accounts</i><br>1981-82 |              | <i>Revised Estimate</i><br>1982-83 |              | <i>Budget Estimate</i><br>1983-84 |              |
|---|----------------------------|--------------|------------------------------------|--------------|-----------------------------------|--------------|
|   | <i>Non-Plan.</i>           | <i>Plan.</i> | <i>Non-Plan.</i>                   | <i>Plan.</i> | <i>Non-Plan.</i>                  | <i>Plan.</i> |
| (1)   | (2)                        | (3)          | (4)                                | (5)          | (6)                               | (7)          |
| (RUPEES IN LAKHS.)  |                            |              |                                    |              |                                   |              |
| 1 Direction and Supervision   | 42.12                      | 3.64         | 48.10                              | 7.57         | 50.94                             | 8.15         |
| 2 Grants to Universities ..   | 1,19.31                    | 76.74        | 2,17.30                            | 3,96.04      | 1,96.95                           | 5,72.51      |
| 3 Maintenance of Arts and Science Colleges :—                                       |                            |              |                                    |              |                                   |              |
| (a) Government .. ..  | 7,85.95                    | 84.85        | 9,28.96                            | 1,17.76      | 9,67.96                           | 1,38.24      |
| (b) Non-Government ..   | 13,31.85                   | 1.70         | 15,56.95                           | 3.00         | 16,07.85                          | 3.00         |
| 4 Maintenance of Colleges of Education :—   |                            |              |                                    |              |                                   |              |
| (a) Government .. ..  | 57.02                      | 2.58         | 66.11                              | 7.41         | 70.55                             | 2.31         |
| (b) Non-Government ..   | 30.70                      | ..           | 31.50                              | ..           | 33.20                             | ..           |
| 5 Law Colleges .. ..  | 28.23                      | 3.65         | 22.47                              | 13.56        | 25.37                             | 28.33        |
| 6 Maintenance of special institutions :—  |                            |              |                                    |              |                                   |              |
| (a) Government .. ..  | 8.87                       | ..           | 10.18                              | 1.00         | 11.69                             | 4.30         |
| (b) Non-Government ..   | 21.99                      | ..           | 26.00                              | ..           | 27.08                             | ..           |
| 7 Scholarships, Concessions, Stipends, Incentive to students etc.                   | 83.75                      | 32.02        | 94.95                              | 40.00        | 95.00                             | 40.00        |
| 8 Miscellaneous (including grants to Universities towards National Service Scheme.) | 12.63                      | 51.84        | 13.69                              | 60.93        | 11.18                             | 54.25        |
| Total   | 25,22.42                   | 2,57.02      | 30,16.21                           | 6,47.27      | 30,97.77                          | 8,51.09      |
|   | 27,79.44                   |              | 36,63.48                           |              | 39,48.86                          |              |

TABLE—II.

*Objectwise Classification.*

| <i>Head of Account.</i>  | <i>Accounts</i><br>1981-82 |              | <i>Revised Estimate</i><br>1982-83 |              | <i>Budget Estimate</i><br>1983-84 |              |
|--|----------------------------|--------------|------------------------------------|--------------|-----------------------------------|--------------|
|  | <i>Non-Plan.</i>           | <i>Plan.</i> | <i>Non-Plan.</i>                   | <i>Plan.</i> | <i>Non-Plan.</i>                  | <i>Plan.</i> |
| (1)  | (2)                        | (3)          | (4)                                | (5)          | (6)                               | (7)          |
| (RUPEES IN LAKHS.)   |                            |              |                                    |              |                                   |              |
| 1 Salaries .. .. .   | 8,44.32                    | 26.99        | 9,87.13                            | 63.90        | 10,44.53                          | 87.49        |
| 2 Wages .. .. .  | 3.70                       | ..           | 3.21                               | ..           | 3.21                              | ..           |
| 3 Travel Expenses .. ..  | 4.68                       | 0.03         | 4.83                               | 0.56         | 5.21                              | 0.53         |
| 4 Office expenses .. ..  | 19.45                      | 0.58         | 27.48                              | 0.78         | 20.09                             | 1.49         |
| 5 Rents, Rates and Taxes   | 6.71                       | 0.88         | 6.13                               | 1.24         | 5.94                              | 0.87         |
| 6 Grants-in-Aid .. ..  | 15,14.58                   | 1,30.28      | 18,37.87                           | 4,59.97      | 18,69.70                          | 6,29.76      |
| 7 Scholarships and Stipends  | 83.75                      | 32.02        | 94.95                              | 40.00        | 95.00                             | 40.00        |
| 8 Buildings .. .. .  | 0.19                       | 38.10        | 2.73                               | 46.63        | 0.90                              | 68.44        |
| 9 Machinery/Equipment ..   | ..                         | 7.07         | ..                                 | 13.84        | ..                                | 8.32         |
| 10 Motor Vehicles .. ..  | 3.25                       | ..           | 0.44                               | ..           | 0.44                              | 0.75         |
| 11 Maintenance ; Payments<br>for Professional Services,<br>etc.                                | 0.17                       | ..           | 0.25                               | 0.05         | 0.25                              | ..           |
| 12 Other Charges : (For<br>Books and Periodicals<br>Laboratory equipments,<br>furniture, etc.) | 41.04                      | 21.07        | 45.59                              | 20.30        | 48.00                             | 13.44        |
| 13 Write off of Losses ..  | 0.58                       | ..           | 5.60                               | ..           | 4.50                              | ..           |
| Total ..   | 25,22.42                   | 2,57.02      | 30,16.21                           | 6,47.27      | 30,97.77                          | 8,51.09      |
|  | 27,79.44                   |              | 36,63.48                           |              | 39,48.86                          |              |

TABLE--III.

## Sources of Financing.

| Head of Account.   | Accounts<br>1981-82 |         | Revised Estimate<br>1982-83 |         | Budget Estimate<br>1983-84 |         |
|--|---------------------|---------|-----------------------------|---------|----------------------------|---------|
|  | Non-<br>Plan.       | Plan.   | Non-<br>Plan.               | Plan.   | Non-<br>Plan.              | Plan.   |
| (1)  | (2)                 | (3)     | (4)                         | (5)     | (6)                        | (7)     |
| (RUPEES IN LAKHS.)   |                     |         |                             |         |                            |         |
| <i>Demand 17. Education.</i>   |                     |         |                             |         |                            |         |
| 277. C. Special Education  | 41.44               | 6.01    | 35.16                       | 6.00    | 35.16                      | 6.00    |
| E. University and other<br>Higher Education.                                       | 24,71.13            | 1,39.37 | 29,67.13                    | 5,05.14 | 30,49.06                   | 6,91.65 |
| G. Sports and youth welfare<br>(N.S.S. in Colleges).                               | ..                  | 41.52   | ..                          | 49.50   | ..                         | 45.00   |
| 278. A. Art and Culture<br>(Music College.)  | 9.02                | ..      | 10.38                       | ..      | 11.89                      | ..      |
| 288. Social Security and<br>Welfare.   | 0.64                | ..      | 0.81                        | ..      | 0.76                       | ..      |
| <i>Works.</i>  |                     |         |                             |         |                            |         |
| 277. Education (Under<br>Demand 37. Public Works                                   | 0.19                | 2.01    | 2.73                        | 3.56    | 0.90                       | 3.06    |
| 77. Capital outlay on Educa-<br>tion, Art and Culture.                             | ..                  | 36.09   | ..                          | 43.07   | ..                         | 65.38   |
| <i>Loans and Advances.</i>   |                     |         |                             |         |                            |         |
| 677. Loans for Education<br>Art and Culture (National<br>Loan Scholarship Scheme). | ..                  | 32.02   | ..                          | 40.00   | ..                         | 40.00   |
| Total ..   | 25,22.42            | 2,57.02 | 30,16.21                    | 6,47.27 | 30,97.77                   | 8,51.09 |
|  | 27,79.44            |         | 36,63.48                    |         | 39,48.86                   |         |

## PART C.

## EXPLANATION FOR FINANCIAL REQUIREMENTS.

(1) *Direction and Supervision.*

|                     | Accounts<br>1981-82 |       | Revised Estimate<br>1982-83 |       | Budget Estimate<br>1983-84 |       |
|---------------------|---------------------|-------|-----------------------------|-------|----------------------------|-------|
|                     | Non-<br>Plan.       | Plan. | Non-<br>Plan.               | Plan. | Non-<br>Plan.              | Plan. |
|                     | (1)                 | (2)   | (3)                         | (4)   | (5)                        | (6)   |
| (RUPEES IN LAKHS.): |                     |       |                             |       |                            |       |
|                     | 42.12               | 3.64  | 48.10                       | 7.57  | 50.94                      | 8.15  |

The Director of Collegiate Education is assisted by Joint Director, Deputy Director, Chief Accounts Officer, Senior Accounts Officer, Personal Assistant, Assistant Director, Two Special Officers for Scholarships and One Special Officer for English. Five Regional Offices in Madras,

Madurai, Tiruchirappalli, Tirunelveli and Coimbatore with Deputy Directors of Collegiate Education and other auxiliary staff are functioning from 1979-80. For assisting the Deputy Director in the day-to-day functioning of the Regional Offices, one Assistant Director has been posted to each Regional Office from 1982-83.

The following table shows the strength of staff in the Department under various categories in 1982-83.

| CATEGORY.<br>(1)  | <i>Number of Staff in<br/>1982-83</i><br>(2) |
|---|--|
| Principals, Chief Professors, Professors, etc., in Government Colleges and Officers formerly called Gazetted .. .. .                | 980  |
| Other Officers like Assistant Professors, Tutors, Demonstrators, Physical Directors, Librarians, Part-Time Professors, etc. .. .. . | 3,943  |
| Ministerial Staff .. .. .   | 1,245  |
| Other Staff .. .. .   | 374  |
| Basic Government Servants etc. .. .. .  | 1,039  |
| Total ..  | 7,581  |

## 2. Grants to Universities :

| <i>Accounts, 1981-82.</i> |              | <i>Revised Estimate,<br/>1982-83.</i> |              | <i>Budget Estimate,<br/>1983-84.</i> |              |
|---------------------------|--------------|---------------------------------------|--------------|--------------------------------------|--------------|
| <i>Non-Plan.</i>          | <i>Plan.</i> | <i>Non-Plan.</i>                      | <i>Plan.</i> | <i>Non-Plan.</i>                     | <i>Plan.</i> |
| (1)                       | (2)          | (3)                                   | (4)          | (5)                                  | (6)          |
| (RUPEES IN LAKHS.)        |              |                                       |              |                                      |              |
| 1,19.31                   | 76.74        | 2,17.30                               | 3,96.04      | 1,96.95                              | 5,72.51      |

With the constitution of two more Universities at Coimbatore and Tiruchirappalli there are at present, 5 Universities in the State. Besides the Tamil University has been set up at Thanjavur in September 1981. Steps are being taken to start a new University at Karaikudi combining all the institutions of higher learning there. A sum of Rs. 50 lakhs has been set apart for the opening of a Women's University at Kodaikanal during 1983-84. The report of the Expert Committee and the draft bill for establishing the Women's University are under consideration.

### *Tamil University :*

The Tamil University does not duplicate the work done in the Departments of other Universities. The research programmes are broad based and inter disciplinary in nature. It awards D.Litt. degree study and research and the minimum qualification required for admission is a Ph.D. degree of an Indian or a Foreign University or an established record of research.

Recurring block grant are sanctioned to these Universities for meeting the normal expenditure. On the recommendations of the Committee constituted in 1981-82, the quantum of annual block grant to Madras, Madurai Kamaraj and Annamalai Universities has been revised from the year 1981-82. Special grants are also sanctioned as and when proposals are received from the Universities concerned for meeting certain special items of expenditure. Further, grants for various plan schemes are also sanctioned to these Universities. Grants to the extent of Rs. 3.67 crores have been released in 1982-83 to the newly formed Bharathiar, Bharathidasan and Tamil Universities for Land acquisition, construction of Buildings, immediate expenses, etc.

## 3. Maintenance of Arts and Science Colleges :

|                      | Accounts, 1981-82. |       | Revised Estimate, 1982-83. |         | Budget Estimate, 1983-84. |         |
|----------------------|--------------------|-------|----------------------------|---------|---------------------------|---------|
|                      | Non-Plan.          | Plan. | Non-Plan.                  | Plan.   | Non-Plan.                 | Plan.   |
|                      | (1)                | (2)   | (3)                        | (4)     | (5)                       | (6)     |
| (RUPEES IN LAKHS.)   |                    |       |                            |         |                           |         |
| (a) Government .. .. | 7,85.95            | 84.85 | 9,28.96                    | 1,17.76 | 576.96                    | 1,38.20 |
| (b) Aided .. .. .    | 13,31.85           | 1.70  | 15,56.95                   | 3.00    | 16,07.85                  | 3.00    |

## (a) Government Colleges :

During the year 1982-83, 11 Degree courses and 6 Post Graduates Courses were additionally started in the existing Government Colleges. Besides, four degree courses were started in the newly opened Government Arts College, Chidambaram in the first instance. With this new College the total number of Government Arts Colleges in the State has become 53. B.Com., degree course was started in the Evening Colleges attached to Raja Serfoji Government College, Thanjavur and Government Arts College, Thiruvarur.

Various schemes for provision of Buildings, Laboratory equipments, furniture, students amenities and play field facilities in Government Colleges are being implemented. During the last two years about 210 Assistant Professors were additionally appointed in Post-Graduate courses in the recent years. Sums of Rs. 3 lakhs for opening of new Degree courses, Rs. 5 lakhs for opening of new Post-Graduate courses and Rs. 1 lakh for the opening of additional evening course in Government Colleges have been provided in 1983-84. Further, sums of Rs. 19 lakhs for building schemes in the existing Government Colleges and Rs. 10 lakhs for the construction of building for the new Government Arts College at Chidambaram have been made in Budget Estimate, 1983-84. Orientation courses were conducted for the benefit of teachers handling English.

## (b) Aided Colleges :

The Aided Colleges get assistance from Government by way of teaching, building and equipment grants as per Grant-in-Aid Code. At present, there are 135 Aided Colleges (Arts and Science) in the State. The staff in aided Colleges are eligible for the same scale of pay, retirement benefits including family pension, leave benefits, free medical attendance in Government hospitals and Group Insurance Scheme. Orders have been issued in 1982-83 to the effect that Sons/Unmarried daughters/Wife/near relatives of staff in Aided Colleges who die in harness shall be given preference in appointment in Aided Colleges without reference to employment exchange, subject to certain conditions. From 1st April 1980, the salaries to the teaching and non-teaching staff of Aided Colleges are paid directly through Banks wherein at the approved staff salary Accounts are maintained.

## 4. Maintenance of Colleges of Education :

|                       | Accounts, 1981-82. |       | Revised Estimate, 1982-83. |       | Budget Estimate, 1983-84. |       |
|-----------------------|--------------------|-------|----------------------------|-------|---------------------------|-------|
|                       | Non-Plan.          | Plan. | Non-Plan.                  | Plan. | Non-Plan.                 | Plan. |
|                       | (1)                | (2)   | (3)                        | (4)   | (5)                       | (6)   |
| (RUPEES IN LAKHS.)    |                    |       |                            |       |                           |       |
| (a) Government .. ..  | 57.02              | 2.58  | 66.11                      | 7.41  | 70.55                     | 2.31  |
| (b) Non-Government .. | 30.70              | ..    | 31.50                      | ..    | 33.20                     | ..    |



**(a) Government :**

The total number of Government Colleges of Education in the State continues to be 7 in 1982-83 also. An Extension Service Centre functions at the Government College of Education, Saidapet. Evening M. Ed. courses in 4 Government Colleges of Education and Part-time courses in "Diploma in Higher Education" in three Government Colleges of Education are conducted.

**(b) Non-Government :**

There are 16 Aided Colleges of Education which are getting grants-in-aid from Government, as in the case of Arts and Science Colleges Extension Service Centres function in 3 Aided Colleges of Education and each centre gets maximum grant of Rs. 25,000 from the State Government.

**5. Law Colleges :**

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84</i> |              |
|--------------------------|--------------|----------------------------------|--------------|--------------------------------|--------------|
| <i>Non-plan.</i>         | <i>Plan.</i> | <i>Non-plan.</i>                 | <i>Plan.</i> | <i>Non-plan.</i>               | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                            | (6)          |
| (RUPEES IN LAKHS).       |              |                                  |              |                                |              |
| 28.23                    | 3.65         | 22.47                            | 13.56        | 23.37                          | 28.33        |

This represents the expenditure on the Government Law Colleges at Madras, Madurai, Coimbatore and Tiruchirapalli. A five year law course (5 years after passing the higher secondary-course) will be introduced during 1983-84.

**6. Maintenance of Special Institutions :**

|                          | <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
|                          | <i>Non-plan.</i>         | <i>Plan.</i> | <i>Non-plan.</i>                 | <i>Plan.</i> | <i>Non-plan.</i>                | <i>Plan.</i> |
|                          | (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS).       |                          |              |                                  |              |                                 |              |
| (a) Government .. ..     | 8.87                     | ..           | 10.18                            | 1.00         | 11.69                           | 4.30         |
| (b) Non-Government .. .. | 21.99                    | ..           | 26.00                            | ..           | 27.08                           | ..           |

**(a) Government :**

The expenditure on Government Music Colleges at Madras and Madurai have been shown under "a Government". Apart from the regular day time course, the Madras Music College conducts Part-time evening course at 4 different centres in Madras City to teach Vocal, and Violin for the benefit of employed persons. The strength of the College during 1982-83 is 310 in regular classes and 168 in 4 Evening College centres. The students' strength in Madurai Music College is 85 in 1982-83.

For solving the accommodation problem at the Madras Music College, the construction of four additional class rooms, visitors hall and provision of toilet facilities has been sanctioned at a cost of Rs. 5.30 lakhs in 1982-83. Besides, three development schemes viz. (1) Research and Curricula development in Music Colleges (2) Special demonstration and lecture for the benefit of students in Music Colleges and (3) Provision of teaching aids like Audio and Video tapes with necessary recording and other instruments at Madras Music College to impart adequate training to the students are being implemented from the year 1982-83.

It is proposed to start four new courses in Kadam, Kanjira, Nuharsangam and Nattuvangam in Madras Music College from the year 1983-84. In order to train the students in pronouncing the words properly and to understand their usage etc., one language lecturer each in Tamil and Telugu in each of the Government Music Colleges at Madras and Madurai will be appointed.

Certain additional staff will also be sanctioned to the Madras Music College for strengthening the administration suitably. For these developments schemes, a provision of Rs. 1.42 lakhs has been made in the Budget Estimate 1983-84.

(b) *Non-Government :*

The special institutions under Aided managements which come under this category are described below :—

(1) *Physical Education Colleges :*

With the opening of a new Physical Education College for Women at Salem, by Sri Saradha Educational Trust from the academic year 1982-83 (viz. Sri Sarada College of Physical Education for Women) there are, now, 4 Physical Education Colleges in the State and all of them are maintained by private agencies. In 1982-83 there were 401 students and 36 teachers in these colleges.

(2) *The Madras School of Social work :*

The Madras School of Social work founded in 1952 has been affiliated to the University of Madras from July 1976. It conducts M.A. course in Social work. The Village adoption programme is also undertaken by this institution and one village called Karlapakkam has been adopted, where medical facilities, Adult Education Programme, and Family planning are implemented. 97 students are on the rolls in 1982-83.

(3) *The Madurai Institute of Social work :*

This institute (Post Graduate College) was formed in 1969 and is affiliated to Madurai Kamaraj University. It trains candidates every year on full time basis for the profession of social work by offering two years Post-Graduate courses. There were 97 students in 1982-83. Besides, two year Post-Graduate Diploma course in Personnel Management and Industrial Relations (49 students in 1982-83) One year Post M.A. Diploma course in Social Rehabilitation and three months certificate course in Science of Creative intelligence are also offered by the Institute.

(4) *Oriental colleges :*

There are 15 Oriental colleges in Tamil Nadu under private management with 1615 students and 153 teachers in 1982-83.

(5) *Rural Higher Institute :*

There is one Rural Institute of Higher Education viz. The Gandhigram Rural Institute (Deemed University) at Gandhigram in Madurai District. This Institute was conferred the status of a deemed University from 1976-77 by the Government of India. The emphasis of this Institute is to impart practical programme in rural communities in addition to theoretical instruction and it stands for Gandhian ideals in education. This Institute gets an annual block grant of Rs. 1.5 lakhs from the State Government. It has 623 students on rolls and 76 teachers in 1982-83.

7. *Scholarships, Concessions, etc.*

| Accounts, 1981-82. |       | Revised Estimate, 1982-83. |       | Budget Estimate, 1983-84. |       |
|--------------------|-------|----------------------------|-------|---------------------------|-------|
| Non-Plan.          | Plan. | Non-Plan.                  | Plan. | Non-Plan.                 | Plan. |
| (1)                | (2)   | (3)                        | (4)   | (5)                       | (6)   |
| (RUPEES IN LAKHS.) |       |                            |       |                           |       |
| 83.73              | 32.02 | 94.95                      | 40.00 | 95.00                     | 40.00 |

The three important scholarship schemes administered by the Department are :—

1. National Scholarship Scheme.
2. Scholarship Schemes for Children of Teachers, and
3. National Loan Scholarship.

The details showing the number of scholarships sanctioned under these three schemes in 1982-83 and the amount provided for the year 1983-84 have been given in the Demand Note.

An incentive stipend of Rs. 180 per year is paid to every student studying through Tamil medium in Degree classes and a provision of Rs. 35 lakhs has been made for this purpose in the Budget Estimate 1983-84.

#### 8. Miscellaneous

| Accounts<br>1981-82. |       | Revised Estimate,<br>1982-83. |       | Budget Estimate<br>1983-84. |       |
|----------------------|-------|-------------------------------|-------|-----------------------------|-------|
| Non-Plan.            | Plan. | Non-Plan.                     | Plan. | Non-Plan.                   | Plan. |
| (1)                  | (2)   | (3)                           | (4)   | (5)                         | (6)   |
| (RUPEES IN LAKHS.)   |       |                               |       |                             |       |
| 12.63                | 51.84 | 13.69                         | 60.93 | 11.18                       | 54.2  |

The important item covered under this category are explained below :—

#### *Institute of Mathematical Science, Madras :*

The Institute of Mathematical Science which was started in 1962 is jointly financed by the State Government and Government of India. Every year, the Institute gets a contribution of Rs. 5.00 lakhs from the State Government and Rs. 5.00 lakhs from Central Government. This Institute has been modelled on the Institute for advanced study at Princeton, U.S.A., and has Ph.D. programme. Students from various Universities in India holding Master's Degree can get their Ph.D. degree from their parent Universities, working under the guidance of the academic staff of the Institute. Besides, the Institute organises twice or thrice a year, conferences and seminars on current trends in research on several aspects of Mathematics and theoretical physics. Summer schools on advanced topics in these subjects for the benefit of lecturers in Post-Graduate Colleges, bright students in M.Sc., classes and other research workers are also conducted. The Library of the Institute contains important journals and books in the area of Mathematical Science and they are useful to the research scholars in various educational institution.

#### *Institute of Traditional Cultures :*

This Institute is located at the University of Madras. It gets an annual grant of Rs. 16,000 from the state Government. It promotes studies and research in traditional cultures with emphasis on Tamil Culture.

#### *National Service Scheme*

The National Service Scheme was first started in 1969 with an initial strength of 2,000. This scheme was introduced in the University to provide opportunities to the teachers and students to gain valuable experience in community service, while working for the poor and under-privileged people during the vacation and spare time. This Scheme helps to arouse social awareness and consensus by means of discussion and services. Its strength gradually increased and has reached 50,000 in Colleges in 1982-83. The cost of the scheme is met by the State Government and Government of India in the ratio of 5 : 7.

#### *Receipts relating to Collegiate Education :*

| (1)   | Accounts,<br>1981-82. | Revised<br>Estimate,<br>1982-83. | Budget,<br>Estimate<br>1983-84. |
|---|-----------------------|----------------------------------|---------------------------------|
| (1)   | (2)                   | (3)                              | (4)                             |
| (RUPEES IN LAKHS.)  |                       |                                  |                                 |
| 077. Education E. University and other Higher Education                               |                       |                                  |                                 |
| AA. Tuition and other fees 01. Government Colleges, other than professional colleges. | 75.76                 | 80.00                            | 83.00                           |
| 02. Law Colleges .. .. .  | ..                    | ..                               | ..                              |
| 03. Government Training Colleges .. .. .  | 0.25                  | 0.24                             | 0.18                            |
| AB. Other Receipts .. .. .  | 10.77                 | 8.19                             | 8.34                            |

Fee for Registration, Tuition, Admission and Fines in Government Arts and Colleges of Education and Law Colleges are credited to "E. University". Other miscellaneous receipts are credited to "Other Receipts".

## APPENDIX.

## INDICES OF ACHIEVEMENTS.

Number of Colleges, Students and Teachers employed in 1982-83.

|   | Arts and<br>Science<br>Colleges. | Colleges<br>of<br>Education. | Physical<br>Education<br>Colleges. | Oriental<br>Colleges. | Institutions<br>of<br>Social<br>work. | Institutions for<br>Rural<br>Higher<br>Education. | Muster<br>colleges. |
|---|----------------------------------|------------------------------|------------------------------------|-----------------------|---------------------------------------|---|---------------------|
| (1)   | (2)                              | (3)                          | (4)                                | (5)                   | (6)                                   | (7)   | (8)                 |
| <b>Number of Colleges :</b>   |                                  |                              |                                    |                       |                                       |   |                     |
| <b>Government—</b>  |                                  |                              |                                    |                       |                                       |   |                     |
| Men .. ..   | 39                               | 5                            | ..                                 | ..                    | ..                                    | ..  | 2                   |
| Women .. ..   | 14                               | 2                            | ..                                 | ..                    | ..                                    | ..  | ..                  |
| Total .. ..   | 53                               | 7                            | ..                                 | ..                    | ..                                    | ..  | 2                   |
| <b>Aided—</b>   |                                  |                              |                                    |                       |                                       |   |                     |
| Men .. ..   | 96                               | 8                            | 4                                  | 15                    | 2                                     | 1   | ..                  |
| Women .. ..   | 39                               | 8                            | ..                                 | ..                    | ..                                    | ..  | ..                  |
| Total .. ..   | 135                              | 16                           | 4                                  | 15                    | 2                                     | 1   | ..                  |
| Grand total—<br>Government and<br>Aided Colleges.   | 188                              | 23                           | 4                                  | 15                    | 2                                     | 1   | 2                   |
| <b>Number of Students on Rolls :</b>  |                                  |                              |                                    |                       |                                       |   |                     |
| Men .. ..   | 1,17,036                         | 1,299                        | 286                                | 1,096                 | 194                                   | 510   | 266                 |
| Women .. ..   | 656,29                           | 1,587                        | 115                                | 519                   | 49                                    | 113   | 297                 |
| Total .. ..   | 1,82,665                         | 2,886                        | 401                                | 1,615                 | 243                                   | 623   | 563                 |
| <b>Number of Teachers employed :</b>  |                                  |                              |                                    |                       |                                       |   |                     |
| Men .. ..   | 9,115                            | 119                          | 29                                 | 134                   | 20                                    | 69  | 27                  |
| Women .. ..   | 4,293                            | 114                          | 7                                  | 19                    | 5                                     | 7   | 18                  |
| Total .. ..   | 13,408                           | 213                          | 36                                 | 153                   | 25                                    | 76  | 45                  |
| <b>Course-wise Break-up of students enrolled in Arts and Science Colleges in 1982-83.</b> |                                  |                              |                                    |                       |                                       |   |                     |
| <b>Degree :</b>   |                                  |                              |                                    |                       | <b>Men.</b>                           | <b>Women.</b>                                     | <b>Total.</b>       |
| B.A. .. ..  | ..                               | ..                           | ..                                 | ..                    | 36,834                                | 25,062  | 61,896              |
| B. Sc. .. ..  | ..                               | ..                           | ..                                 | ..                    | 49,863                                | 28,493  | 78,356              |
| B. Com. .. ..   | ..                               | ..                           | ..                                 | ..                    | 21,873                                | 7,333   | 29,206              |
|   |                                  |                              | <b>Total</b> .. ..                 |                       | 1,08,570                              | 60,888  | 1,69,458            |
| <b>Post graduate :</b>  |                                  |                              |                                    |                       |                                       |   |                     |
| M.A. .. ..  | ..                               | ..                           | ..                                 | ..                    | 3565                                  | 244   | 6019                |
| M.Sc. .. ..   | ..                               | ..                           | ..                                 | ..                    | 3135                                  | 1831  | 4966                |
| M.Com. .. ..  | ..                               | ..                           | ..                                 | ..                    | 1510                                  | 334   | 1844                |
| Phd. and M. Phil.   | ..                               | ..                           | ..                                 | ..                    | 25                                    | 122   | 378                 |
|   |                                  |                              | <b>Total</b> .. ..                 |                       | 8,465                                 | 4,741   | 13,207              |
| <b>Grand Total : Degree and Post Graduate Courses</b>                                     |                                  |                              |                                    |                       | 1,17,036                              | 65,629  | 1,82,665            |

## PERFORMANCE BUDGET 1983-84.

## TECHNICAL EDUCATION .

Technical Education is one of the key sectors catering to the Scientific and Technological manpower needs of the country for its developmental and productive activities. Hence, realising the need, this department was formed during 1957.

The Department of Technical Education plans, promotes, and Co-ordinates the Technical Education activities of the State at various levels viz., the Higher Secondary Schools (Vocational) Polytechnics, Colleges of Art and Crafts and Sculpture and Engineering Colleges.

The Department has under its control of 7 Engineering Colleges 59 Polytechnics (which includes 9 Women's Polytechnics and 8 Special Institutions) and 14 Higher Secondary Schools (Vocational).

*Financial requirement :*

The Financial requirements for the Technical Education Department in 1983-84 are detailed below :

## I. PROGRAMME AND ACTIVITY CLASSIFICATION.

| Details.<br>(1)                           | (RUPEES IN LAKHS) |              |                           |              |                          |              |
|---|-------------------|--------------|---------------------------|--------------|--------------------------|--------------|
|   | Accounts 1981-82. |              | Revised estimate 1982-83. |              | Budget estimate 1983-84. |              |
|   | Non-plan.<br>(2)  | Plan.<br>(3) | Non-plan.<br>(4)          | Plan.<br>(5) | Non-plan.<br>(6)         | Plan.<br>(7) |
| 1. Direction and Administration.          | 88.56             | 2.92         | 117.11                    | 3.01         | 123.13                   | 4.49         |
| 2. Higher Secondary Schools (Vocational). | 31.74             | 0.98         | 36.74                     | 2.08         | 38.30                    | 1.00         |
| 3. Polytechnics and Special Institutions. | 363.63            | 195.13       | 433.60                    | 361.36       | 456.34                   | 375.63       |
| 4. Engineering Colleges ..                | 216.46            | 89.35        | 261.52                    | 186.38       | 271.59                   | 220.16       |
| 5. Grants to Anna University              | 183.26            | ..           | 182.30                    | 62.00        | 180.00                   | 13.70        |
| 6. Miscellaneous .. ..                    | 28.13             | 0.82         | 30.74                     | 1.96         | 31.58                    | 2.04         |
| Total ..                                  | 911.78            | 289.20       | 1,062.01                  | 616.79       | 1,100.94                 | 617.02       |
|   | 1,200.98          |              | 1,678.80                  |              | 1,717.96                 |              |

## II. OBJECTWISE CLASSIFICATION.

| Details.<br>(1)                                     | (RUPEES IN LAKHS.)    |              |                               |              |                              |              |
|---|-----------------------|--------------|-------------------------------|--------------|------------------------------|--------------|
|   | Accounts,<br>1981-82. |              | Revised estimate,<br>1982-83. |              | Budget estimate,<br>1983-84. |              |
|   | Non-plan.<br>(2)      | Plan.<br>(3) | Non-plan.<br>(4)              | Plan.<br>(5) | Non-plan.<br>(6)             | Plan.<br>(7) |
| 1 Salaries .. ..                                    | 323.27                | 19.18        | 380.90                        | 47.28        | 423.23                       | 68.49        |
| 2 Wages .. ..                                       | 2.99                  | ..           | 3.16                          | 0.03         | 3.16                         | 0.03         |
| 3 Travel Expenses .. ..                             | 7.12                  | 0.27         | 6.98                          | 1.02         | 7.65                         | 1.15         |
| 4 Office Expenses .. ..                             | 24.80                 | 0.66         | 24.61                         | 1.94         | 24.65                        | 3.02         |
| † Payment for professional<br>and Special Services. | 25.25                 | 0.03         | 30.05                         | 0.42         | 30.99                        | 1.44         |
| 6 Rent, Rates, Taxes ..                             | 9.17                  | 0.15         | 9.56                          | 0.71         | 9.80                         | 0.70         |
| 7 Publications .. ..                                | 0.01                  | ..           | 0.30                          | 0.20         | 0.33                         | 0.10         |
| 8 Advertising, Sales and<br>Publicity expenses. ..  | 2.65                  | ..           | 4.64                          | 0.11         | 3.61                         | 0.09         |
| 9 Grants-in-Aid ... ..                              | 446.21                | 75.91        | 516.71                        | 182.15       | 514.30                       | 147.26       |
| 10 Scholarships, Stipends and<br>Loans.             | 9.13                  | 22.70        | 11.86                         | 20.50        | 12.29                        | 5.01         |
| 11 Hospitality expenses ..                          | 0.02                  | ..           | 0.05                          | 0.01         | 0.05                         | 0.01         |
| 12 Major Works .. ..                                | 1.22                  | 78.35        | 4.06                          | 171.17       | 4.00                         | 272.44       |
| 13 Minor Works .. ..                                | 6.78                  | ..           | 8.00                          | ..           | 8.40                         | ..           |
| 14 Machinery and Equipment                          | 2.12                  | 74.98        | 3.19                          | 156.92       | 3.13                         | 88.76        |
| 15 Motor Vehicles .. ..                             | 2.87                  | 0.06         | 5.41                          | 2.31         | 2.54                         | 2.61         |
| 16 Maintenance .. ..                                | 20.93                 | ..           | 22.00                         | ..           | 22.50                        | ..           |
| 17 Materials and Supplies                           | 0.73                  | 0.40         | 1.24                          | 0.27         | 1.30                         | 0.25         |
| 18 Write off/Losses .. ..                           | ..                    | ..           | 0.04                          | ..           | 0.04                         | ..           |
| 19 Other Charges .. ..                              | 26.51                 | 16.51        | 29.25                         | 31.75        | 28.97                        | 25.66        |
| Total .. ..   | 911.78                | 289.20       | 1,062.01                      | 616.79       | 1,100.94                     | 617.02       |
| Grand total .. ..                                   | 1,200.98              |              | 1 678.80                      |              | 1,717.96                     |              |

## III. SOURCES OF FINANCE.

| Details.                                 | Accounts<br>1981-82. |        | Revised Estimate<br>1982-83. |        | Budget Estimate<br>1983-84. |        |
|--|----------------------|--------|------------------------------|--------|-----------------------------|--------|
|  | Non-<br>Plan.        | Plan.  | Non-<br>Plan.                | Plan.  | Non-<br>Plan.               | Plan.  |
| (1)                                      | (2)                  | (3)    | (4)                          | (5)    | (6)                         | (7)    |
| (RUPEES IN LAKHS.)                       |                      |        |                              |        |                             |        |
| 259 Public Works .. ..                   | 20.80                | ..     | 22.00                        | ..     | 22.50                       | ..     |
| 277 Education—C. Special<br>Education.   | 4.24                 | ..     | 5.58                         | 0.12   | 5.64                        | 0.01   |
| 277 Education—F. Technical<br>Education. | 861.18               | 182.80 | 1,002.46                     | 417.90 | 1,038.74                    | 328.00 |
| 277 Education—H. General.                | 0.07                 | ..     | 0.29                         | 0.01   | 0.29                        | 0.01   |
| 278 Art and Culture ..                   | 18.66                | 6.58   | 20.37                        | 9.06   | 22.52                       | 7.56   |
| 288 Social Welfare .. ..                 | 0.13                 | ..     | 0.25                         | ..     | 0.25                        | ..     |
| 477 Capital Outlay .. ..                 | 1.22                 | 78.35  | 4.06                         | 171.17 | 4.00                        | 278.44 |
| 677 Loans .. .. .                        | 5.48                 | 21.47  | 7.00                         | 18.53  | 7.00                        | 3.00   |
| Total ..                                 | 911.78               | 289.20 | 1,062.01                     | 616.79 | 1,100.94                    | 617.02 |
| Grand total ..                           | 1,200.98             |        | 1,678.80                     |        | 1,717.96                    |        |

## EXPLANATION FOR FINANCIAL REQUIREMENTS.

## 1. Direction and Administration.—

| Accounts 1981-82.  |       | Revised Estimate 1982-83. |       | Budget Estimate 1983-84. |       |
|--------------------|-------|---------------------------|-------|--------------------------|-------|
| Non-Plan.          | Plan. | Non-Plan.                 | Plan. | Non-Plan.                | Plan. |
| (1)                | (2)   | (3)                       | (4)   | (5)                      | (6)   |
| (RUPEES IN LAKHS.) |       |                           |       |                          |       |
| 88.56              | 2.92  | 117.11                    | 3.01  | 123.13                   | 4.49  |

The salaries of the staff of the Directorate, the construction Division, and the expenditures on the conduct of examinations in Diploma and Commerce are shown under this classification.

The Director is assisted by two Additional Directors, a Joint Director, a Deputy Director, a Superintending Engineer, a Chief Accounts Officer, two Assistant Directors and three Special Officers. From 1982-83 an Evaluation Cell and a curriculum Development Centre are functioning at the Directorate.

## 2. Higher Secondary Schools (Vocational).—

| Accounts 1981-82.  |       | Revised Estimate 1982-83. |       | Budget Estimate 1983-84. |       |
|--------------------|-------|---------------------------|-------|--------------------------|-------|
| Non-Plan.          | Plan. | Non-Plan.                 | Plan. | Non-Plan.                | Plan. |
| (1)                | (2)   | (3)                       | (4)   | (5)                      | (6)   |
| (RUPEES IN LAKHS.) |       |                           |       |                          |       |
| 31.74              | 0.98  | 36.74                     | 2.08  | 38.30                    | 1.00  |

Higher Secondary Schools (Vocational) are affiliated to the Board of Higher Secondary Education, Tamil Nadu. The annual intake of these institutions is 840 as per Appendix.

The successful students are being admitted into Second year of Diploma Course in the Polytechnics and 10 per cent of annual intake in Polytechnics is reserved for them. They are also eligible to join in the first year Degree Course in Engineering Colleges.

In 1982-83 the teacher, student ratio in the Higher Secondary Schools was 1 : 13 and the per capita expenditure on student was Rs. 4,550 (for entire course).

### 3. Polytechnics and Special Institutions.—

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                 |              |
| 3,63.63                  | 1,95.13      | 4,33.60                          | 3,61.36      | 4,56.34                         | 3,75.63      |

These institutions educate and train technicians, who constitute the intermediate category between the craftsman and the Engineer. These Institutions offer 47 Diploma, 20 Post Diploma and 17 Certificate courses. The details of intake particulars at different levels are given in Appendices.

In 1982-83 the teachers students ratio was 1 : 12 and the per capita expenditure on student was Rs. 6,800 (for the entire course).

#### *New Courses.*

During 1982-83, the following Courses were introduced in the Institutions noted in each :

#### *Diploma.*

- 1 Electronics and Tele-communication Engineering. Bhaktavatsalam Polytechnic, Kancheepuram.
- 2 Machine Design and Drafting for Girls .. Government Polytechnic, Nagercoil.

#### *Post-Diploma.*

- 1 Industrial Engineering .. .. Nachimuthu Polytechnic, Pollachi.
- 2 Instrument Technology .. .. Central Polytechnic, Madras.
- 3 Foundry Engineering .. .. Thanthai Periar E. V. Ramasamy Government Polytechnic, Vellore.

#### *New Electives.*

- 1 Power system Engineering .. .. Rajagopal Polytechnic, Gudiyatham.
- 2 Fundamentals of Television and Servicing. PAC Ramasamy Raja Polytechnic, Rajapalayam.

It is proposed to introduce during 1983-84 new courses as detailed below:—

#### *Diploma.—*

- Papers and Pulp Technology .. .. Seshasayee Institute of Technology, Tiruchirappalli.
- Man made Fibre Technology .. .. Thiagarajar Polytechnic, Salem.
- Electronics Engineering .. .. Sankar Institute of Polytechnic, Thalaiyuthu.

#### *Post-Diploma.*

- (i) Painting and .. ..
- (ii) Commercial Art .. .. Government College of Arts and Crafts, Kumbakonam.

#### *Elective.*

- Principles of Television and Servicing .. Bhaktavatsalam Polytechnic, Kancheepuram.



*New Polytechnics.—*

The following 9 new Polytechnics were opened during 1982-83 to meet the heavy demand from students aspiring for Polytechnic education and to cater to the need of local industry taking into account the employment potential, backwardness of areas and special type of courses.

*Government Polytechnics :—*

1. Government Polytechnic, Uthacamandalam.
2. Bharathiar Centenary Memorial Women's Polytechnic, Ettayapuram.

*Private Polytechnics :—*

1. Institute of Textile Technology, Silaiman, (Madurai District).
2. V. Ramakrishna Polytechnic, Thiruvottiyur.
3. Kamaraj Polytechnic, Pazhavilai, (Kanyakumari District).
4. Ayya Nadar Janaki Ammal Women's Polytechnic, Sivakasi.
5. Arulmigu Palaniandavar Polytechnic (Men), Palani.
6. Nanjappa Institute of Technology, Morattupalayam (Periyar District).
7. Kodai Polytechnic, Kodaikanal.

*Community Polytechnics :—*

As per the recommendations of the All India Council for Technical Education, the following Polytechnics are functioning as Community Polytechnics, to promote transfer of Technology to rural community.

1. Sri Ramakrishna Mission Vidyalaya Polytechnic, Coimbatore.
2. Annamalai Polytechnic, Chettinad.
3. Bhakataavatsalam Polytechnic, Kancheepuram.

*Autonomy :*

Autonomy has been granted to six technical Institutions at institutional level and to six institutions at departmental level.

*4. Engineering Colleges :*

| <i>Accounts 1981-82.</i> |                     | <i>Revised Estimate 1982-83.</i> |                     | <i>Budget Estimate 1983-84.</i> |                     |
|--------------------------|---------------------|----------------------------------|---------------------|---------------------------------|---------------------|
| <i>Non-Plan.</i><br>(1)  | <i>Plan.</i><br>(2) | <i>Non-Plan.</i><br>(3)          | <i>Plan.</i><br>(4) | <i>Non-Plan.</i><br>(5)         | <i>Plan.</i><br>(6) |
| 216.46                   | 89.35               | 261.52                           | 186.38              | 271.59                          | 220.16              |

The Engineering Colleges offer 17 undergraduate courses, 43 Post-Graduate Courses and 9 Post Graduate Diploma courses. The figures of annual intake at different levels are shown in appendices.

During 1982-83 the teacher student ratio was 1 : 9 and the per capita expenditure on students was Rs. 17,100 (for entire course).

It is proposed to introduce during 1983-84, Bio-medical Engineering as an elective subject at the Government College of Engineering, Salem. Provision of instructional facilities for the B.Sc., Applied Science Course at the P.S.G. College of Technology, Coimbatore and development of a Computer Centre at the Alagappa Chettiar College of Engineering and Technology, Karaikudi are also proposed to be done during 1983-84

**Hostel :**

During 1982-83 construction of Girls' Hostel in Government College of Technology, Coimbatore was taken up. It is proposed to take up construction of Girls Hostel at the A. C. College of Engineering and Technology, Karaikudi during 1983-84.

**5. Anna University :**

| <i>Accounts 1981-82.</i> |              | <i>Revised Estimate 1982-83.</i> |              | <i>Budget Estimate 1983-84.</i> |              |
|--------------------------|--------------|----------------------------------|--------------|---------------------------------|--------------|
| <i>Non-Plan.</i>         | <i>Plan.</i> | <i>Non-Plan.</i>                 | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> |
| (1)                      | (2)          | (3)                              | (4)          | (5)                             | (6)          |
| (RUPEES IN LAKHS.)       |              |                                  |              |                                 |              |
| 183.26                   | ..           | 182.30                           | 62.00        | 180.00                          | 13.70        |

This is a unitary type of University declared open on 4th September 1978 for the development of Engineering and Technology and allied sciences and for furthering the advancement of learning and prosecution of research activities in the said areas.

The annual intake of the constituent institutions for 1981-82 is shown in Appendices.

During 1982-83 a new course in B.E. (Computer Science) has been introduced. Centre for Crystal Growth and Bio-Technology Centre are proposed to be established.

**6. Miscellaneous :**

| <i>Accounts 1981-82</i> |              | <i>Revised Estimate 1982-83</i> |              | <i>Budget Estimate 1983-84</i> |              |
|-------------------------|--------------|---------------------------------|--------------|--------------------------------|--------------|
| <i>Non-Plan.</i>        | <i>Plan.</i> | <i>Non-Plan.</i>                | <i>Plan.</i> | <i>Non-Plan.</i>               | <i>Plan.</i> |
| (1)                     | (2)          | (3)                             | (4)          | (5)                            | (6)          |
| (RUPEES IN LAKHS)       |              |                                 |              |                                |              |
| 28.13                   | 0.82         | 30.74                           | 1.96         | 31.58                          | 2.04         |

**Book Banks :**

Book Banks have been established in all the technical Institutions except the institutions started after 1979-80 to help the poor and needy students with the assistance from the State Government and voluntary contribution from Private agencies. Book banks will be established shortly in the remaining institutions also.

Book Bank, exclusively for Scheduled Caste and Scheduled Tribe have been established in all the Engineering Colleges except in Government College of Engineering, Tirunelveli with the Central assistance of Rs. 2.55 lakhs.

**Placement Section :**

As part of the career guidance programme, placement sections have been created in all the technical Institutions to help and guide the passed out students in securing employments.

**Award of Prizes for Project Works :**

Under the Scheme of award of prizes for the best project works, the Government sanction Rs. 30,000 every year for the award of prizes to the final year students of Engineering Colleges and Polytechnics who produce the best project works.

**Faculty Development :**

Under Quality Improvement Programmes, teachers of Engineering Colleges are sent to Institutes of Higher Learning like Indian Institutes of Technology and Indian Institute of Science, Bangalore to acquire Doctorate Degree. So far 9 members have obtained Doctorate Degree and out of 39 members who were undergoing studies 7 have rejoined in their institutions after studies and they are expected to submit thesis. During 1983-84, 5 more staff members will be deputed to higher studies (These figures exclude the staff transferred to Anna University).

As regards Polytechnics, the teachers are deputed to Technical Teachers Training Institute, Madras. Till date 335 teachers have been trained, 45 are undergoing training and 30 more will be deputed during 1983-84.

*Industrial Training :*

Under the scheme, teachers of Engineering Colleges and Polytechnics are sent to various Industrial establishments for short-term training every year, so that they may acquaint themselves with the latest practices prevailing in the industry. So far 528 staff members have been trained.

*Continuing Education Programme :*

Under Continuing Education Programme, members of Faculty are deputed every year to attend seminars, Short courses, Summer/Winter Schools, etc., organised periodically by various technical Institutions in the Country.

*Consultancy Services :*

Staff members of the teaching Institutions undertake approved technical consultancy services for Industry and Private Organisations and Charges are collected for services so rendered. Besides, testing services are undertaken in different laboratories of technical Institutions.

APPENDICES.

*Sanctioned Annual Intake.*

1. HIGHER SECONDARY SCHOOLS (VOCATIONAL)

| <i>Name of the Institutions.</i>   | <i>Intake.</i> |
|--|----------------|
| (1)  | (2)            |
| <i>Government—</i>   |                |
| 1 Central Polytechnic, Madras .. .. .                                    | 60             |
| 2 Tamil Nadu Polytechnic, Madurai .. .. .                                | 60             |
| 3 Government Polytechnic, Coimbatore .. .. .                             | 60             |
| 4 Thanthai Periyar E.V. Ramasamy Government Polytechnic, Vellore .. .. . | 60             |
| 5 Government Polytechnic, Nagercoil .. .. .                              | 60             |
| 6 Government Polytechnic, Tiruchirappalli .. .. .                        | 60             |
| 7 Government Polytechnic, Tuticorin .. .. .                              | 60             |
| 8 Alagappa Polytechnic, Karaikudi .. .. .                                | 60             |
| 9 Bakthavatchalam Polytechnic, Kancheepuram .. .. .                      | 60             |
| 10 Rajagopal Polytechnic, Gudiytham .. .. .                              | 60             |
| 11 Valivalam Desikar Polytechnic, Nagapattinam .. .. .                   | 60             |
| <i>Aided—</i>  |                |
| 1 Seshasayee Institute of Technology, Tiruchirappalli .. .. .            | 60             |
| 2 Nachimuthu Polytechnic, Pollachi .. .. .                               | 60             |
| 3 Sankar Institute of Polytechnic, Talaiyuthu .. .. .                    | 60             |
| Total : (Government and Aided) .. .. .                                   | 840            |

## SANCTIONED ANNUAL INTAKE.

## 2. POLYTECHNICS AND SPECIAL INSTITUTIONS.

## (a) Diploma Courses.

| <i>Name of the Institution.</i>                                     | <i>Full-time.</i> | <i>Part-time</i> |
|---|-------------------|------------------|
| (1)   | (2)               | (3)              |
| <i>Government—</i>  |                   |                  |
| 1 Central Polytechnic, Madras .. .. .                               | 390               | 120              |
| 2 Tamil Nadu Polytechnic, Madurai .. .. .                           | 200               | 60               |
| 3 Government Polytechnic, Tiruchirappalli .. .. .                   | 180               | 55               |
| 4 Government Polytechnic, Coimbatore .. .. .                        | 200               | 60               |
| 5 Government Polytechnic, Tuticorin .. .. .                         | 180               | 30               |
| 6 Thanthai Periyar E. V. Ramasamy Government Polytechnic, Vellore.  | 180               | 60               |
| 7 Government Polytechnic, Nagercoil .. .. .                         | 200               | 45               |
| 8 Government Polytechnic, Krishnagiri .. .. .                       | 180               | ..               |
| 9 Alagappa Polytechnic, Karaikudi .. .. .                           | 180               | ..               |
| 10 Government Polytechnic for Women, Madras .. .. .                 | 220               | ..               |
| 11 Government Polytechnic for Women, Madurai .. .. .                | 80                | ..               |
| 12 Government Polytechnic for Women, Coimbatore .. .. .             | 120               | ..               |
| 13 Government Polytechnic, Arantangi .. .. .                        | 160               | ..               |
| 14 Government Polytechnic, Uthagamandalam .. .. .                   | 180               | ..               |
| 15 Bharathiar Centenary Memorial Women's Polytechnic, Ettayapuram.‡ | 120               | ..               |
| <i>Private—</i>   |                   |                  |
| 1 Annamalai Polytechnic, Chettinad .. .. .                          | 330               | ..               |
| 2 Bhakthavatchalam Polytechnic, Kancheepuram .. .. .                | 180               | ..               |
| 3 C.I.T. Sandwich Polytechnic, Coimbatore .. .. .                   | 60                | ..               |
| 4 C. N. Polytechnic, Madras .. .. .                                 | 180               | ..               |
| 5 Murugappa Chettiar Memorial Polytechnic, Madras .. .. .           | 180               | ..               |
| 6 Muthiah Polytechnic, Annamalainagar .. .. .                       | 300               | ..               |
| 7 Nachimuthu Polytechnic, Pollachi .. .. .                          | 270               | ..               |
| 8 P. A. C. Ramaswamy Raja Polytechnic, Rajapalayam .. .. .          | 180               | ..               |
| 9 P.S.G. Polytechnic, Coimbatore .. .. .                            | 240               | ..               |
| 10 Rajagopal Polytechnic, Gudiyatham .. .. .                        | 180               | ..               |
| 11 Ramakrishna Mission Technical Institute, Madras .. .. .          | 40                | ..               |
| 12 Sankar Institute, of Polytechnic, Talaiyuthu .. .. .             | 180               | ..               |

| <i>Name of the Institution.</i>  | <i>Full-time.</i> | <i>Part-time.</i> |
|--|-------------------|-------------------|
| (1)  | (2)               | (3)               |
| 13 Seshasayee Institute of Technology, Tiruchirappalli .. ..                     | 180               | ..                |
| 14 Srinivasa Subbaraya Polytechnic, Puthur .. ..                                 | 180               | ..                |
| 15 Thiagarajar Polytechnic, Salem .. ..  | 220               | ..                |
| 16 Valivalam Desikar Polytechnic, Nagapattinam .. ..                             | 180               | ..                |
| 17 Virudhunagar S. Vellaichamy Nadar Polytechnic, Virudhunagar.                  | 220               | ..                |
| 18 C. M. Kothari Institute of Technology, Madras. .. ..                          | 25                | ..                |
| 19 Ramakrishna Mission Vidyalaya Polytechnic, Coimbatore ..                      | 60                | ..                |
| 20 S. S. Mari Chettiar Institute of Textile Technology, Komara-<br>palayam .. .. | 70                | ..                |
| 21 Erode Institute of Technology, Erode .. ..                                    | 100               | ..                |
| 22 Md. Sathak Polytechnic, Kilakarai .. ..                                       | 120               | ..                |
| 23 Periar Centenary Girls, Polytechnic, Thanjavur ..                             | 60                | ..                |
| 24 G. R. G. Polytechnic for Women, Coimbatore .. ..                              | 60                | ..                |
| 25 Arasan Ganesan Polytechnic, Sivakasi .. ..                                    | 60                | ..                |
| 26 Arulmigu Palaniandavar Polytechnic for Women, Palani ..                       | 60                | ..                |
| 27 V. L. B. Janaki Ammal Polytechnic, Kuniyamuthur .. ..                         | 180               | ..                |
| 28 Sakthi Institute of Technology, Pollachi .. ..                                | 180               | ..                |
| 29 Padmabushan Thiru N. Ramasamy Memorial Polytechnic,<br>Tiruchirappalli.       | 80                | ..                |
| 30 Kamaraj Polytechnic, Pazhavilai .. ..   | 120               | ..                |
| 31 V. Ramakrishna Polytechnic, Thiruvotriyur .. ..                               | 180               | ..                |
| 32 Ayyanadar Janakiammal Women's Polytechnic, Sivakasi ..                        | 120               | ..                |
| 33 Arulmigu Palaniandavar Polytechnic (Men), Palani .. ..                        | 120               | ..                |
| 34 Institute of Textile Technology, Silaiman .. ..                               | 30                | ..                |
| 35 Kodai Polytechnic, Kodaikanal .. ..   | 120               | ..                |
| 36 Nanjappa Institute of Technology, Morattupalayam .. ..                        | 120               | ..                |
| <i>Special Institutions—</i>   |                   |                   |
| 1 Institute of Leather Technology, Madras .. ..                                  | 20                | ..                |
| 2 Institute of Printing Technology, Madras .. ..                                 | 60                | 35                |
| 3 Institute of Chemical Technology, Madras .. ..                                 | 100               | ..                |
| 4 Institute of Textile Technology, Madras .. ..                                  | 30                | ..                |
| 5 State Institute of Commerce Education, Madras .. ..                            | 75                | ..                |
| 6 Government College of Arts and Crafts, Madras .. ..                            | 70                | ..                |
| 7 Government College of Arts and Crafts, Kumbakonam ..                           | 30                | ..                |
| 8 Government College of Arts and Sculpture, Mamallapuram ..                      | 30                | ..                |
| Total Intake ..  | 8,350             | 465               |

## (b) POST DIPLOMA AND CERTIFICATE COURSES.

| (1)   | Post Diploma Course. |            | Certificate Course. |            |
|---|----------------------|------------|---------------------|------------|
|   | Full time.           | Part time. | Full time.          | Part time. |
| (1)   | (2)                  | (3)        | (4)                 | (5)        |
| Central Polytechnic, Madras .. ..                               | 105                  | 90         | ..                  | ..         |
| Tamil Nadu Polytechnic, Madurai ..                              | 20                   | ..         | ..                  | ..         |
| Government Polytechnic, Tiruchirappalli.                        | 20                   | ..         | ..                  | ..         |
| Government Polytechnic, Tuticorin ..                            | 20                   | ..         | ..                  | ..         |
| Thanthai Periyar E.V. Ramasamy Government Polytechnic, Vellore. | 20                   | ..         | ..                  | ..         |
| Government Polytechnic for Women, Madras.                       | 10                   | ..         | ..                  | 20         |
| Government Polytechnic for Women, Coimbatore.                   | ..                   | ..         | 40                  | ..         |
| Nachimuthu Polytechnic, Pollachi ..                             | 20                   | ..         | ..                  | ..         |
| P. S. G. Polytechnic, Coimbatore ..                             | 16                   | ..         | ..                  | ..         |
| Sankar Institute of Polytechnic, Talaiyuthu.                    | 20                   | ..         | ..                  | ..         |
| Seshasayee Institute of Technology, Tiruchirappalli.            | 12                   | ..         | ..                  | ..         |
| Institute of Leather Technology, Madras                         | ..                   | ..         | 10                  | ..         |
| Institute of Printing Technology, Madras                        | ..                   | ..         | ..                  | 210        |
| College of Arts and Crafts, Madras ..                           | 24                   | ..         | ..                  | ..         |
|   | 287                  | 90         | 50                  | 230        |

## SANCTIONED ANNUAL INTAKE.

## 3. ENGINEERING COLLEGES.

| Name of College.  | Under Graduate. |            | Post Graduate. |            | Post Graduate Diploma. |            |
|---|-----------------|------------|----------------|------------|------------------------|------------|
|   | Full time.      | Part time. | Full time.     | Part time. | Full time.             | Part time. |
| (1)   | (2)             | (3)        | (4)            | (5)        | (6)                    | (7)        |
| <i>Government.</i>  |                 |            |                |            |                        |            |
| 1 Government College of Technology, Coimbatore.                   | 220             | 60         | 40             | 30         | ..                     | ..         |
| 2 Government College of Engineering, Salem.                       | 150             | 60         | ..             | ..         | ..                     | ..         |
| 3 Alagappa Chettiar College of Engineering Technology, Karaikudi. | 200             | 50         | 10             | ..         | 5                      | 5          |
| 4 Government College of Engineering, Tirunelveli.                 | 120             | ..         | ..             | ..         | ..                     | ..         |
| <i>Aided.</i>   |                 |            |                |            |                        |            |
| 1 P. S. G. College of Technology, Coimbatore.                     | 240             | 60         | 112            | ..         | 10                     | ..         |
| 2 Thiagarajar College of Engineering, Madurai.                    | 240             | 90         | 30             | ..         | ..                     | ..         |
| 3 Coimbatore Institute of Technology, Coimbatore.                 | 240             | 60         | 36             | ..         | 6                      | ..         |
| <i>Autonomous.</i>  |                 |            |                |            |                        |            |
| Regional Engineering College, Tiruchirappalli.                    | 120             | 150        | 48             | 26         | ..                     | ..         |
| Total ..  | 1,530           | 530        | 276            | 56         | 21                     | 5          |

*Anna University, Madras (Intake for 1981-82).—*

| (1)  | Under graduate. |            | Post graduate. |            |
|--|-----------------|------------|----------------|------------|
|  | Full time.      | Part time. | Full time.     | Part time. |
| (1)  | (2)             | (3)        | (4)            | (5)        |
| 1 College of Engineering, Madras-25 .. ..          | 349             | 215        | 282            | 79         |
| 2 Madras Institute of Technology, Madras ..        | 167             | 29         | 48             | ..         |
| 3 Alagappa Chettiar College of Technology, Madras. | 110             | ..         | 48             | ..         |
| 4 School of Architecture and Town Planning ..      | 19              | ..         | 15             | ..         |
| Total ..   | 645             | 244        | 393            | 79         |

**Commerce Examinations.—**

**Examination Subjects.—**

- (1) English Typewriting.
- (2) Tamil Typewriting.
- (3) English Shorthand.
- (4) Tamil Shorthand.
- (5) Commercial Geography.
- (6) Accountancy.
- (7) Banking.
- (8) Commercial Practice.

**Number of Approved Institutions.—**

| 1979. | 1980. | 1981. | 1982. |
|-------|-------|-------|-------|
| (1)   | (2)   | (3)   | (4)   |
| 1,500 | 1,700 | 1,850 | 1,880 |

**Number of Candidates (For all Subjects).—**

|                     | <i>Appeared.</i> | <i>Passed.</i> | <i>Percentage.</i> |
|---------------------|------------------|----------------|--------------------|
| (1)                 | (2)              | (3)            | (4)                |
| May 1979 .. ..      | 75,639           | 29,328         | 38·8               |
| November 1979 .. .. | 70,352           | 27,895         | 39·5               |
| May 1980 .. ..      | 74,367           | 38,450         | 51·7               |
| November 1980 .. .. | 69,147           | 35,180         | 50·8               |
| May 1981 .. ..      | 77,162           | 39,019         | 50·6               |
| November 1981 .. .. | 78,708           | 36,323         | 46·14              |
| May 1982 .. ..      | 91,160           | 44,376         | 48·68              |

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