

Admin report of the  
Electricity Dept.  
1953-54

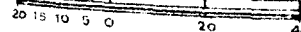
R  
CO-2118 NS3  
NSS-1  
35743

Reg. No. 55/2 '54-750

CL. 111/111/111 463

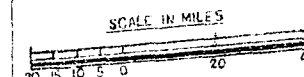
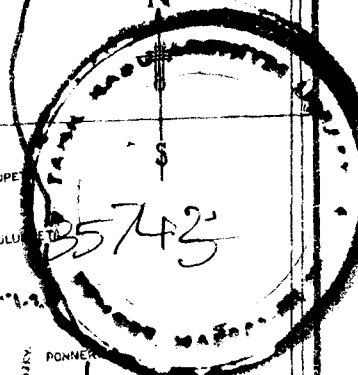
# THE MADRAS GRID

SCALE IN MILES



| SL<br>NO            |                   | NAME OF<br>POWER STATION | INSTALLED CAPACITY<br>INCLUDING STAND BY PLANT |                 |
|---------------------|-------------------|--------------------------|------------------------------------------------|-----------------|
|                     |                   |                          | KW                                             | K.W.            |
| <u>(A) EXISTING</u> |                   |                          | <u>PRESENT</u>                                 | <u>ULTIMATE</u> |
| 1.                  | PYKARA            |                          | 43,000                                         | 73,000*         |
| 2.                  | METTUR (MAX)      |                          | 40,000                                         | 40,000          |
| 3.                  | PAPANASAM         |                          | 28,000                                         | 32,000†         |
| 4.                  | MADRAS            |                          | 46,000                                         | 87,500          |
| 5.                  | MOYAR             |                          | 36,000                                         | 36,000          |
| 6.                  | MADURAI           |                          | 14,000                                         | 14,000          |
| <u>(B) FUTURE</u>   |                   |                          |                                                |                 |
| 1.                  | PERIVAR           |                          | 90,000                                         | 120,000         |
| 2.                  | KUNDAM            |                          | 180,000                                        | 315,000         |
| 3.                  | LIGNITE NEYVELI   |                          | 100,000                                        | 200,000         |
| 4.                  | METTUR LOW LEVEL  |                          | 75,000                                         | 75,000          |
| 5.                  | KUMBAR AMARAVATHI |                          | 45,000                                         | 45,000          |

NOTE: \*\* INCLUDING PYKARA DAM POWER HOUSE 3000 KW  
† INCLUDING PAPANASAM DAM POWER HOUSE 4000 KW



|                                 |        |
|---------------------------------|--------|
| 110 KV.                         | DOUBLE |
| 66 KV.                          | SINGLE |
| 33 KV.                          | DOUBLE |
| 33 KV.                          | SINGLE |
| 33 KV.                          | DOUBLE |
| EXISTING                        |        |
| SANCTIONED & UNDER CONSTRUCTION |        |
| LIKELY TO MATERIALISE BY 1960   |        |
| FUTURE                          |        |
| FOREIGN LINES & STATIONS        |        |

NOTE:  
1. THE SAME SYMBOLS AS USED FOR 132, 110, 66 & 33 KV. LINES ARE USED FOR 110, 132, 165, 220, 330, 440 & 500 KV. LINES BUT ACTUAL VOLTAGE OF THE LINES ARE NOTED.  
2. 11 & 22 KV. LINES ARE NOT SHOWN.  
3. THIS PLAN IS SUBJECT TO MODIFICATIONS TO SUIT FUTURE LOAD TRENDS.

|                                               |          |                  |                                     |                      |
|-----------------------------------------------|----------|------------------|-------------------------------------|----------------------|
| REVISION OF PLAN NO. 111/111/111 DATED 1.5.52 | DRAWN    | CHECKED          | GOVT. OF MADRAS<br>ELECTRICITY DEPT | PLAN NO.<br>G 1 R 12 |
| TRACED                                        | APPROVED | THE MADRAS GRID. |                                     | SCALE                |
|                                               |          |                  |                                     | DATE<br>21-5-1954    |

Reproduced from Indentor's Original

Hellio, P. Z. P., C. S. O., Madras.

443

## CONTENTS

### SECTION I—GENERAL REVIEW.

| PARA.                                                                      | PAGE |
|----------------------------------------------------------------------------|------|
| 1 Introduction .. .. .                                                     | 1    |
| 2 Salient features .. .. .                                                 | 1    |
| 3 Load development .. .. .                                                 | 2    |
| 4 Financial results .. .. .                                                | 3    |
| 5 Number of consumers .. .. .                                              | 3    |
| 6 Transmission lines and sub-stations .. .. .                              | 4    |
| 7 Agricultural development .. .. .                                         | 5    |
| 8 Rural Welfare schemes .. .. .                                            | 5    |
| 9 Construction activities .. .. .                                          | 6    |
| 10 New schemes sanctioned .. .. .                                          | 6    |
| 11 Programme for 1954-55 .. .. .                                           | 6    |
| 12 Power demand .. .. .                                                    | 6    |
| 13 Electrical Inspectorate and licensees .. .. .                           | 6    |
| 14 The Madras Electric Supply Undertakings (Acquisition) Act, 1949 .. .. . | 7    |
| 15 Foreign training .. .. .                                                | 7    |
| 16 Organization .. .. .                                                    | 7    |
| 17 Accounts .. .. .                                                        | 8    |

### SECTION II—DETAILED REPORT.

#### CONSTRUCTION ACTIVITIES.

|                                               |    |
|-----------------------------------------------|----|
| 18 General .. .. .                            | 21 |
| 19 New schemes .. .. .                        | 22 |
| 20 Schemes in progress .. .. .                | 22 |
| 21 Construction programme for 1954-55 .. .. . | 23 |
| 22 Audit, Accounts and Stores .. .. .         | 24 |
| 23 Accidents .. .. .                          | 24 |
| 24 Organization .. .. .                       | 24 |

#### TECHNICAL BRANCH.

|                    |    |
|--------------------|----|
| 25 General .. .. . | 24 |
|--------------------|----|

#### OPERATING SYSTEMS BRANCH.

|                    |    |
|--------------------|----|
| 26 General .. .. . | 26 |
|--------------------|----|

#### (i) GENERATION CIRCLE—HYDRO SYSTEMS.

|                                    |    |
|------------------------------------|----|
| 27 General .. .. .                 | 27 |
| 28 Pykara Station .. .. .          | 28 |
| 29 Moyar Station .. .. .           | 29 |
| 30 Mettur Power Station .. .. .    | 29 |
| 31 Papanasam Station .. .. .       | 30 |
| 32 Madurai Thermal Station .. .. . | 30 |
| 33 Programme for 1954-55 .. .. .   | 30 |

443

| PARA.                                                       | PAGE |
|-------------------------------------------------------------|------|
| (ii) PYKARA SYSTEM.                                         |      |
| 34 General .. .. .                                          | 31   |
| 35 Load development .. .. .                                 | 32   |
| 36 Financial results .. .. .                                | 33   |
| 37 Connected load .. .. .                                   | 33   |
| 38 Transmission lines .. .. .                               | 34   |
| 39 Extra high-tension and high-tension sub-stations .. .. . | 34   |
| 40 Coimbatore Receiving Station .. .. .                     | 34   |
| 41 Agricultural services and rural industries .. .. .       | 35   |
| 42 Commercial activities .. .. .                            | 35   |
| 43 Rural welfare .. .. .                                    | 35   |
| 44 Meter, relay test and special maintenance .. .. .        | 35   |
| 45 Interruptions and breakdowns .. .. .                     | 36   |
| 46 Udipi-Karkala undertaking .. .. .                        | 36   |
| 47 Kollegal distribution .. .. .                            | 36   |
| 48 Programme for 1954-55 .. .. .                            | 36   |
| (iii) METTUR SYSTEM.                                        |      |
| 49 General .. .. .                                          | 37   |
| 50 Load development .. .. .                                 | 38   |
| 51 Financial results .. .. .                                | 38   |
| 52 Connected load .. .. .                                   | 38   |
| 53 Transmission lines and sub-stations .. .. .              | 39   |
| 54 Extra high-tension and high-tension sub-stations .. .. . | 39   |
| 55 Commercial activities .. .. .                            | 40   |
| 56 Agricultural services .. .. .                            | 40   |
| 57 Rural industries .. .. .                                 | 40   |
| 58 Rural welfare .. .. .                                    | 40   |
| 59 Meter, relay tests and special maintenance .. .. .       | 40   |
| 60 Interruptions and breakdowns .. .. .                     | 40   |
| 61 Workshops .. .. .                                        | 40   |
| 62 Programme for 1954-55 .. .. .                            | 40   |
| (iv) PAPANASAM SYSTEM.                                      |      |
| 63 General .. .. .                                          | 41   |
| 64 Load development .. .. .                                 | 41   |
| 65 Financial results .. .. .                                | 42   |
| 66 Connected load .. .. .                                   | 42   |
| 67 Transmission lines .. .. .                               | 42   |
| 68 Extra high-tension and high-tension sub-stations .. .. . | 43   |
| 69 Distributions .. .. .                                    | 43   |
| 70 Commercial activities .. .. .                            | 43   |
| 71 Agricultural services .. .. .                            | 43   |
| 72 Rural welfare .. .. .                                    | 43   |
| 73 Meter, relay tests and special maintenance .. .. .       | 43   |
| 74 Interruptions .. .. .                                    | 43   |
| 75 Programme for 1954-55 .. .. .                            | 43   |

| PARA.                                                                                     | PAGE |
|-------------------------------------------------------------------------------------------|------|
| (v) MADRAS SYSTEM—GENERATION CIRCLE.                                                      |      |
| 76 General .. .. .                                                                        | 44   |
| 77 Power stations .. .. .                                                                 | 44   |
| 78 Load development .. .. .                                                               | 45   |
| 79 Madras plant extensions .. .. .                                                        | 45   |
| 80 Programme for 1954-55 .. .. .                                                          | 45   |
| (vi) MADRAS SYSTEM—DISTRIBUTION CIRCLE.                                                   |      |
| 81 General .. .. .                                                                        | 46   |
| 82 Load development .. .. .                                                               | 46   |
| 83 Financial results .. .. .                                                              | 47   |
| 84 Connected load and number of consumers .. .. .                                         | 47   |
| 85 Transmission lines, sub-stations and distributions .. .. .                             | 48   |
| 86 Extensions .. .. .                                                                     | 49   |
| 87 Commercial activities .. .. .                                                          | 49   |
| 88 Agricultural services .. .. .                                                          | 49   |
| 89 Programme for 1954-55 .. .. .                                                          | 49   |
| ELECTRICAL INSPECTORATE AND LICENSEES.                                                    |      |
| 90 Electrical undertakings .. .. .                                                        | 50   |
| 91 Nationalization .. .. .                                                                | 50   |
| 92 Indian Electricity Act and Rules .. .. .                                               | 51   |
| 93 Street lighting .. .. .                                                                | 51   |
| 94 Tariffs .. .. .                                                                        | 51   |
| 95 Inspections .. .. .                                                                    | 52   |
| 96 Restrictions and control and freezing orders .. .. .                                   | 52   |
| 97 Supply position in licensees' areas .. .. .                                            | 52   |
| 98 Assistance to licensees with regard to procurement of iron and steel materials .. .. . | 52   |
| 99 Laboratory .. .. .                                                                     | 52   |
| 100 Laboratory tests .. .. .                                                              | 52   |
| 101 Administration of local authorities electrical undertakings .. .. .                   | 53   |
| 102 Cinematograph Act and Rules .. .. .                                                   | 53   |
| 103 Cinema Operator's licences .. .. .                                                    | 53   |
| 104 Administration of the Madras Electricity Duty Act, 1939 .. .. .                       | 53   |
| 105 Revenue and expenditure .. .. .                                                       | 54   |
| 106 Accidents .. .. .                                                                     | 54   |
| 107 Staff .. .. .                                                                         | 55   |
| 108 Acknowledgment .. .. .                                                                | 55   |

## APPENDICES.

## PAGE

## APPENDIX A.

|                                                                                |    |
|--------------------------------------------------------------------------------|----|
| List of construction works undertaken with expenditure to end of March 1954 .. | 57 |
|--------------------------------------------------------------------------------|----|

## APPENDIX B.

|                                                       |    |
|-------------------------------------------------------|----|
| Budget provision for Capital Works in 1954-55 .. .. . | 60 |
|-------------------------------------------------------|----|

## APPENDIX C.

|                                                                                                                              |    |
|------------------------------------------------------------------------------------------------------------------------------|----|
| Details of establishment charges incurred by the Department and fees earned during 1953-54 and estimated for 1954-55 .. .. . | 61 |
|------------------------------------------------------------------------------------------------------------------------------|----|

## APPENDIX D.

|                                                                                       |    |
|---------------------------------------------------------------------------------------|----|
| 1 List of electric supply undertakings in service .. .. .                             | 62 |
| 2 Licensees under construction .. .. .                                                | 62 |
| 3 New applications for licences .. .. .                                               | 62 |
| 4 List of undertakings put into service .. .. .                                       | 62 |
| 5 List of licensees who reduced their tariffs .. .. .                                 | 62 |
| 6 List of licensees who increased their tariffs .. .. .                               | 63 |
| 7 List of licensees charging more than 6 annas per unit for lighting and fans .. .. . | 63 |

## APPENDIX E.

|                                                                                               |    |
|-----------------------------------------------------------------------------------------------|----|
| Total capacities of plants installed in electric supply undertakings in service in the State. | 63 |
|-----------------------------------------------------------------------------------------------|----|

## APPENDIX F.

|                                                                                  |    |
|----------------------------------------------------------------------------------|----|
| 1 Table of electric supply cost and records of company licensees .. .. .         | 64 |
| 2 Table of electric supply costs and records of local authorities .. .. .        | 70 |
| 3 Statistical data regarding units generated, etc., of company licensees .. .. . | 72 |
| 4 Statistical data regarding units generated, etc., of local authorities .. .. . | 80 |
| 5 Classification of units sold by licensees—Companies .. .. .                    | 83 |
| 6 Classification of units sold by licensees—Local authorities .. .. .            | 84 |
| 7 Statement showing total number of units sold under various categories .. .. .  | 85 |

## APPENDIX G.

|                                                                                      |    |
|--------------------------------------------------------------------------------------|----|
| List of high-tension consumers supplied by the Electricity Department—               |    |
| 1 Pykara System .. .. .                                                              | 92 |
| 2 Mettur System .. .. .                                                              | 92 |
| 3 Papanasam System .. .. .                                                           | 93 |
| 4 Madras System .. .. .                                                              | 94 |
| 5 List of textile mills and other high-tension consumers in licensees' areas .. .. . | 95 |

## PAGE

## APPENDIX H.

|                                                                                                         |     |
|---------------------------------------------------------------------------------------------------------|-----|
| 1 List of villages and towns supplied with electricity by the Government Electricity Department .. .. . | 98  |
| 2 List of villages and towns supplied with electricity by licensees .. .. .                             | 110 |

## APPENDIX I.

|                                                                                               |     |
|-----------------------------------------------------------------------------------------------|-----|
| List of power-houses, extra high-tension, high-tension and distribution transformer stations— |     |
| 1 Pykara System .. .. .                                                                       | 136 |
| 2 Moyar Station .. .. .                                                                       | 136 |
| 3 Mettur System .. .. .                                                                       | 137 |
| 4 Papanasam System .. .. .                                                                    | 138 |
| 5 Madras System .. .. .                                                                       | 138 |

## APPENDIX J.

|                                                          |     |
|----------------------------------------------------------|-----|
| Consolidated balance sheet as on 31st March 1953 .. .. . | 140 |
|----------------------------------------------------------|-----|

## APPENDIX K.

|                                |     |
|--------------------------------|-----|
| List of staff employed .. .. . | 149 |
|--------------------------------|-----|

## APPENDIX L.

|                                                                                                                                                                                                                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Statement showing the comparative particulars of operation and maintenance expenses, revenue, etc., before and after nationalization of the electrical undertakings having independent generating stations taken over by Government under the Madras Electricity Supply Undertakings (Acquisition) Act, 1949 .. .. . | 150 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|

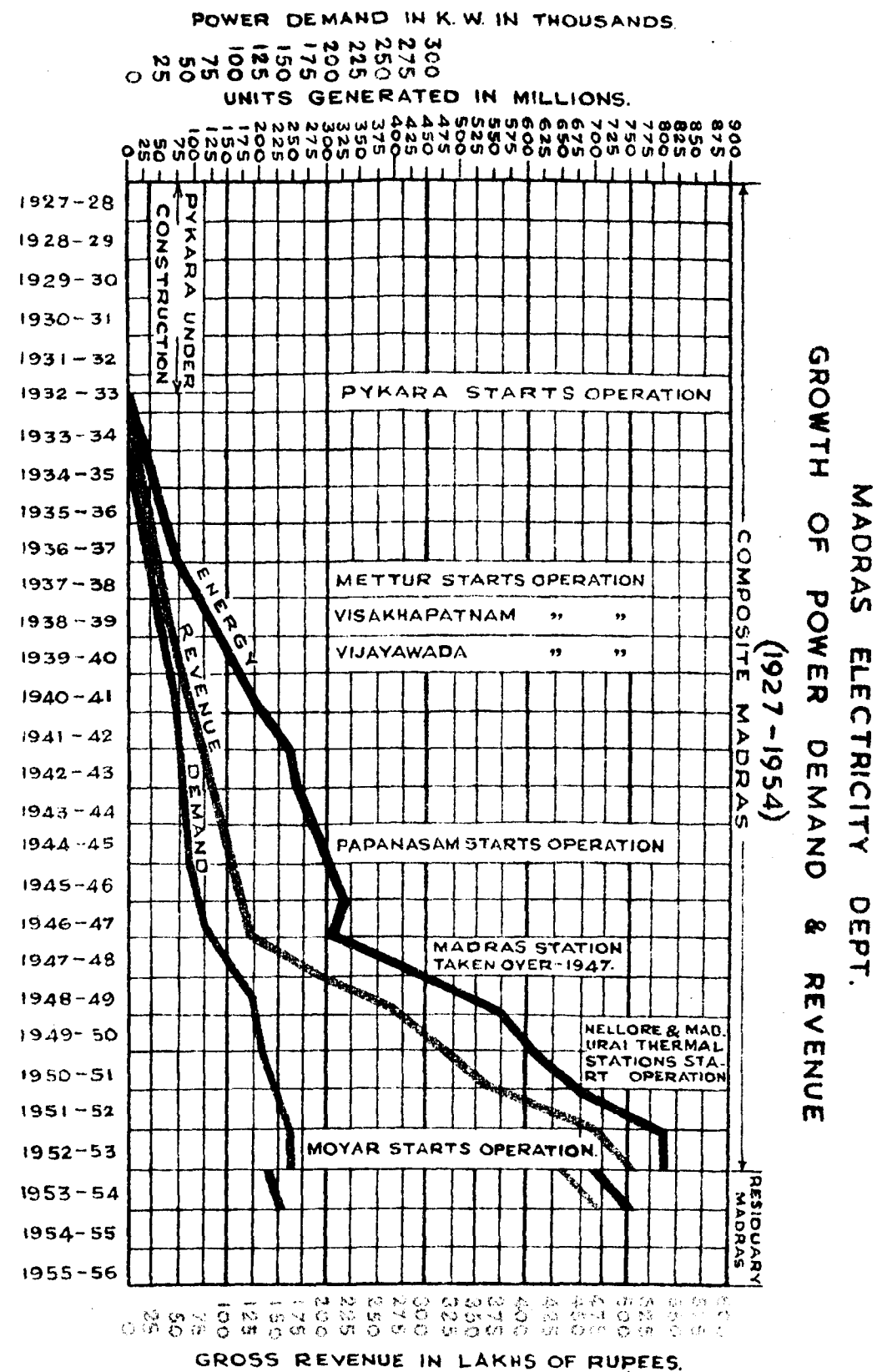
## APPENDIX M.

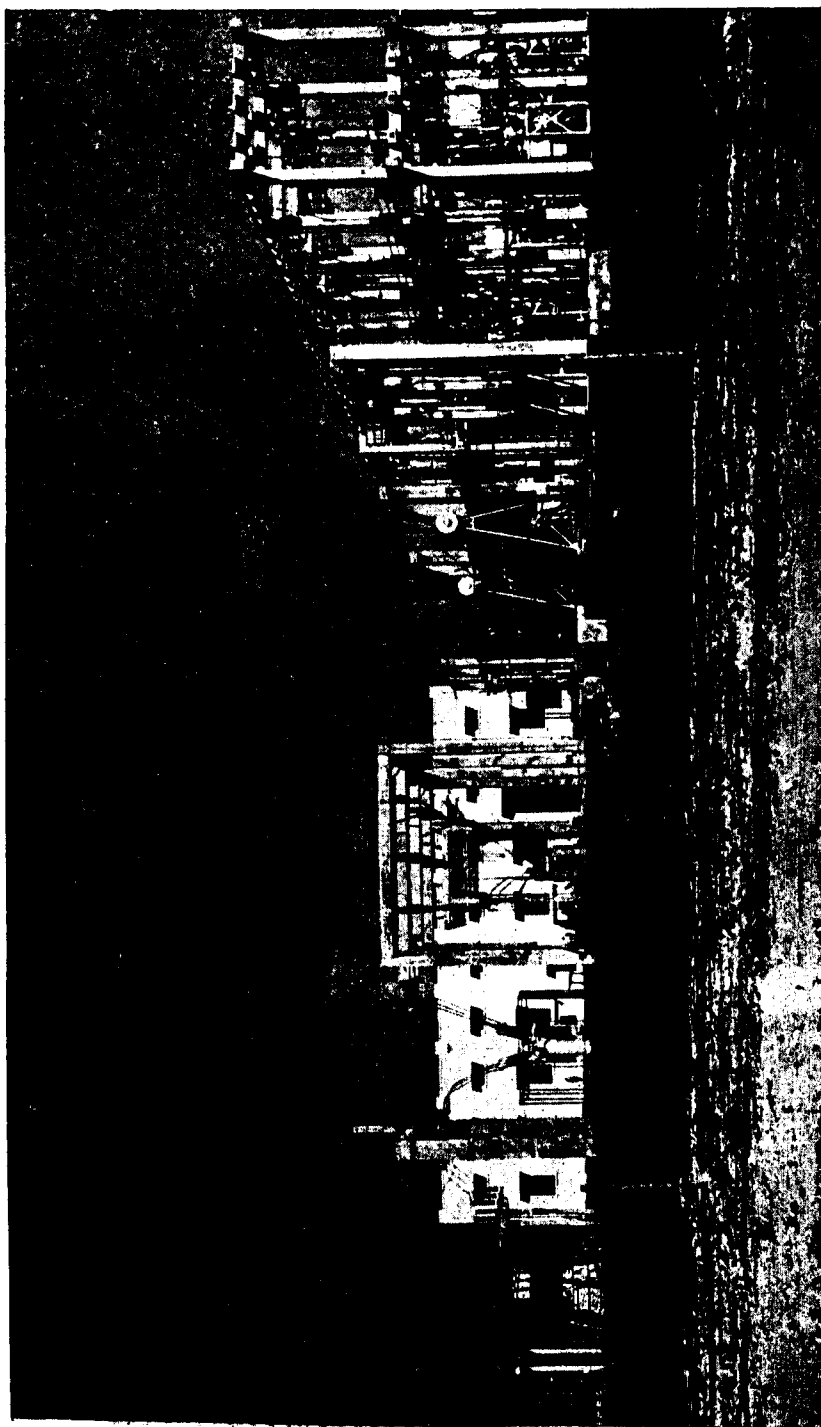
|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Details of investment—Depreciation Reserve Fund—31st March 1954 .. .. . | 150 |
|-------------------------------------------------------------------------|-----|

## APPENDIX N.

|                                                                 |     |
|-----------------------------------------------------------------|-----|
| Percentage of progress on construction works in 1953-54 .. .. . | 158 |
|-----------------------------------------------------------------|-----|

| LIST OF ILLUSTRATIONS.                                                                                                                       | FACING<br>PAGE     |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| (i) The Madras Grid Map .. .. .                                                                                                              | Frontis-<br>piece. |
| (ii) Chart I indicating the growth of revenue and demand in the Government power systems, 1927-54 .. .. .                                    | Y <sub>1</sub>     |
| (iii) Villivakkam 110 K.V. sub-station (Mettur-Madras terminal) .. .. .                                                                      | 1                  |
| (iv) Chart II showing the hydro and thermal power generation in Madras State, 1932-54 .. .. .                                                | 2                  |
| (v) Chart III showing how power is generated and how it is utilized in the Madras State during 1953-54 .. .. .                               | 3                  |
| (vi) View of Pykara Dam under construction .. .. .                                                                                           | 6                  |
| (vii) Chart IV showing the organization of the Department .. .. .                                                                            | 8                  |
| (viii) Madurai Thermal Station—View of the two Steinmuller boilers (newly erected).                                                          | 21                 |
| (ix) Second view of Pykara Dam under construction .. .. .                                                                                    | 22                 |
| (x) Third view of Pykara Dam under construction .. .. .                                                                                      | 22                 |
| (xi) Basin Bridge 'B' Station—View of the 15 MW. English Electric Company-Turbo alternator commissioned under the I Stage Extensions .. .. . | 23                 |
| (xii) Basin Bridge 'B' Station—A close view of the 15 MW. turbo alternator under erection under the II stage extensions .. .. .              | 23                 |
| (xiii) Electricity Department stall in the All-India Khadi, Swadeshi and Industrial Exhibition, 1953-54 .. .. .                              | 25                 |
| (xiv) Basin Bridge Power House 'B' Station Extensions—General view .. .. .                                                                   | 45                 |
| (xv) Kancheepuram Sub-station—Indoor control room .. .. .                                                                                    | 47                 |
| (xvi) Kancheepuram Sub-station—Outdoor yard with control room .. .. .                                                                        | 47                 |





VILLIVAKKAM 110 KV. SUB-STATION (METTUR-MADRAS TERMINAL).

# ADMINISTRATION REPORT OF THE ELECTRICITY DEPARTMENT FOR THE YEAR 1953-54

## SECTION I—GENERAL REVIEW.

1. *Introduction.*—The Report under review is the Twenty-seventh Annual Report of the Electricity Department for the year 1953-54 and covers the present Madras State after separation of Andhra State on 1st October 1953, comprising the following districts :—

- |                  |                      |
|------------------|----------------------|
| 1. Madras City.  | 8. Malabar.          |
| 2. Chingleput.   | 9. Nilgiris.         |
| 3. South Arcot.  | 10. Ramanathapuram.  |
| 4. North Arcot.  | 11. Salem.           |
| 5. Coimbatore.   | 12. Tanjore.         |
| 6. South Kanara. | 13. Tiruchirappalli. |
| 7. Madurai.      | 14. Tirunelveli.     |

2. *Salient features.*—The salient features in the administration of the Department during the year were—

(1) The capital expenditure on new projects and extensions under construction during the year totalled Rs. 4.53 crores.

(2) The gross and net revenues earned by the Department were rupees 481 lakhs and Rs. 170 lakhs respectively.

(3) The erection of one 10,000 KW. turbo-alternator set and the two boilers each of 55,000 lb./hr. capacity in the Madurai Thermal Station was completed and plant commissioned during the year.

(4) The third boiler of 80,000 lb./hr. capacity under the Madras Plant Extensions—I Stage was commissioned. With the recommissioning in August 1953 of the 15 M.W. Turbo-alternator set which broke down on 28th March 1953, the first stage of the Madras Plant Extension Scheme was practically completed.

(5) The Erode-Tiruchirappalli-Dalmia Extensions was completed and put into service during the year.

(6) The operating voltage of the Madras-Mettur inter-connection was changed over to 110 KV. from 66 KV. between Mettur Power-House and Villivakkam sub-station on 5th April 1953.

(7) Power demands totalled 151,924 KW. and energy generated by the Department amounted to 758.7113 million units.

(8) At the beginning of the year the water position in the Hydel Reservoirs was not satisfactory and the 66-2/3 per cent cut in power consumption imposed in March 1953 on all but essential consumers in the hydro-electric areas was continued and further raised to 75 per cent from 16th April 1953. Later, the position improved and the cut was gradually reduced and completely removed with effect from 5th July 1953. From July onwards the water position was satisfactory. After a number of years of failure of monsoon, there was plenty of rain this year and the water position was satisfactory.

(9) Electricity was extended to 120 villages and 1,609 irrigation pumpsets during the year. The villages and towns electrified and the pumpsets connected in the State so far number 2,292 and 21,733 respectively.

(10) The scheme for execution of extension works on the basis of voluntary loan contribution from the beneficiaries, ordered by Government in November 1952 was withdrawn in October 1953 as there was no appreciable response to the scheme.

3. *Load development.*—The demand for power for industrial and agricultural purposes continued to be on the increase. In view of the paucity of funds, shortage of generating and transformer capacity, new supplies were confined to domestic, agricultural and a few essential industries.

The aggregate of the power demands on the Government system was 151,924 KW. and the units generated 758.71 millions.

Details are furnished hereunder :—

| Name of system.                                           | System demand in KW. | Generation in millions of units.       |
|-----------------------------------------------------------|----------------------|----------------------------------------|
| <b>I. Hydro-electric—</b>                                 |                      |                                        |
| 1 Pykara .. .. .                                          | 50,200               | 199.4880<br>+ 85.9020 (Moyar).         |
| 2 Mettur .. .. .                                          | 48,300               | 193.2772                               |
| 3 Papanasam .. .. .                                       | 22,300               | 98.1783<br>+ 27.5086                   |
| <b>II. Thermal (steam)—</b>                               |                      |                                        |
| 1 Madras .. .. .                                          | 30,600               | (Madurai Thermal Station.)<br>152.9980 |
| <b>III. Thermal (diesel)—</b>                             |                      |                                        |
| 1 Udipi .. .. .                                           | 212                  | 0.4532                                 |
| 2 Karkala .. .. .                                         | 36                   | 0.0650                                 |
| <b>IV. Power purchased from Mysore and other sources—</b> |                      |                                        |
| 1 Kollegal .. .. .                                        | 176                  | 0.5605                                 |
| 2 Fort Cochin .. .. .                                     | 100                  | 0.2805                                 |
| Total .. .. .                                             | 151,924              | 758.7113                               |

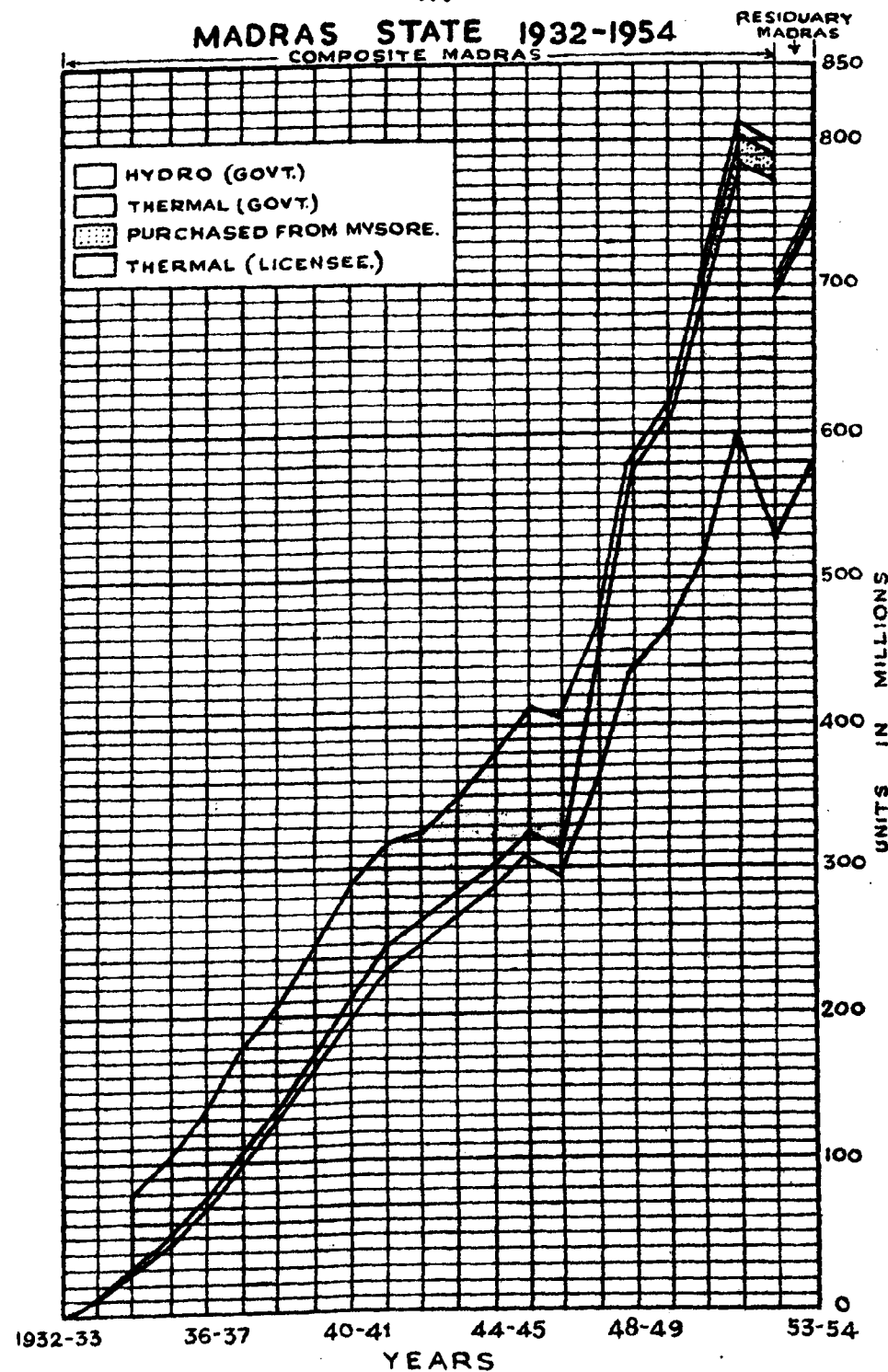
Figures for power generation in the State from all sources were as follows :

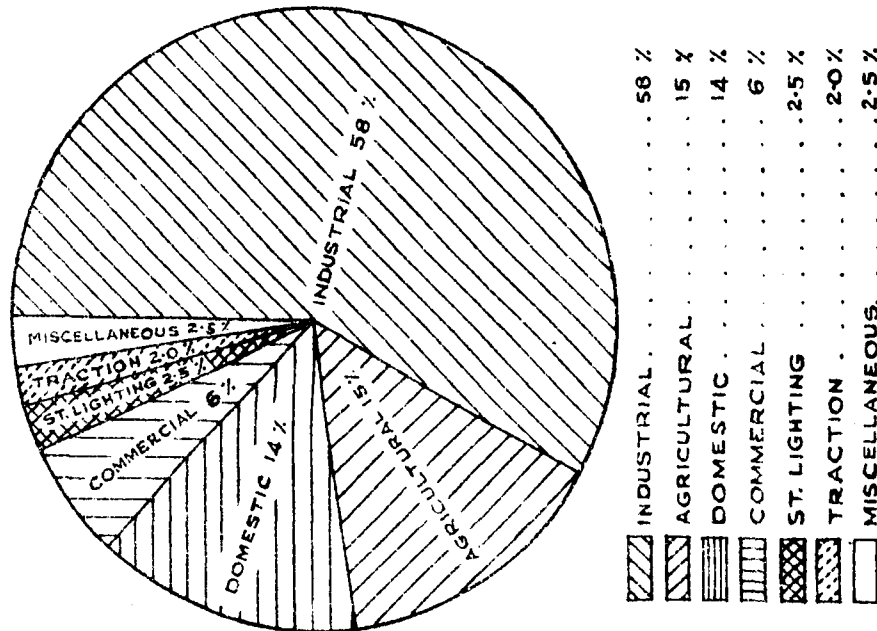
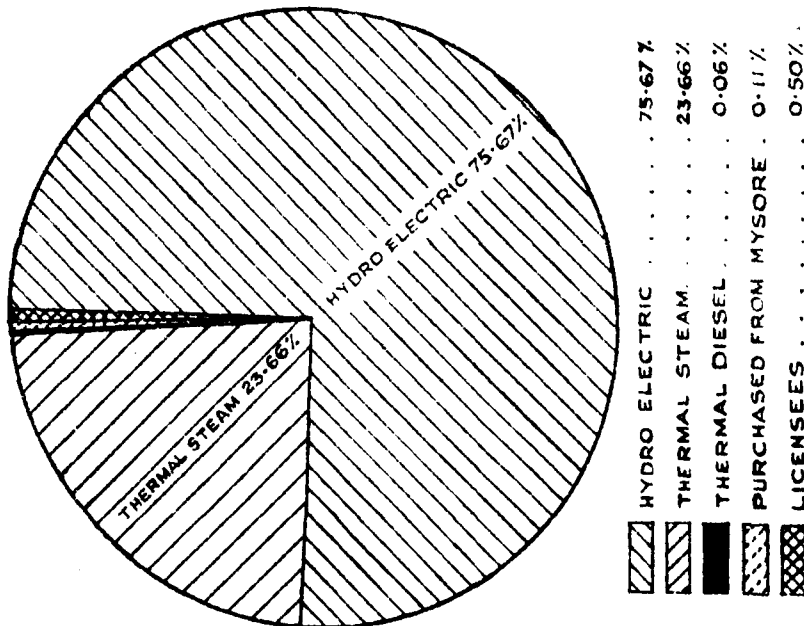
| Source of generation.                      | Generation in millions of units. | Percentage of total. |
|--------------------------------------------|----------------------------------|----------------------|
| <b>Government—</b>                         |                                  |                      |
| 1 Hydro-electric .. .. .                   | 576.85                           | 75.67                |
| 2 Thermal (steam) .. .. .                  | 180.51                           | 23.66                |
| 3 Thermal (diesel) .. .. .                 | 0.52                             | 0.06                 |
| 4 Purchased from Mysore and other sources. | 0.84                             | 0.11                 |
| 5 Licensees (thermal) .. .. .              | 3.84                             | 0.50                 |
| Total .. .. .                              | 762.56                           | 100.0                |

A graph showing hydro and thermal power generated in Madras State from the inception of the Department, i.e., from 1932 to 1954, faces this page.

The total generation in the State was 762.56 million units as against 705.43 million units in the area comprised in the present Madras State in 1952-53. As seen from the above figures, almost the entire power generation in the State was by the Department.

GRAPH SHOWING  
HYDRO & THERMAL POWER GENERATED  
IN



HOW POWER IS UTILISED  
(1953-54)HOW POWER IS GENERATED  
(1953-54)

Reproduced from Indentor's Original

Helio, P.Z.P., C.S. Q4, Madras.

Reg. No. 83/3 '54-750

Power generated was utilized as under :—

| Serial number. | Use.                                            | Percentage of total power utilized. |
|----------------|-------------------------------------------------|-------------------------------------|
| 1              | Industrial supplies .. .. .                     | 53                                  |
| 2              | Irrigation and agriculture .. .. .              | 15                                  |
| 3              | Domestic heat, power, lights and fans .. .. .   | 14                                  |
| 4              | Commercial heat, power, lights and fans .. .. . | 6                                   |
| 5              | Public lighting .. .. .                         | 2.5                                 |
| 6              | Traction .. .. .                                | 2                                   |
| 7              | Miscellaneous .. .. .                           | 2.5                                 |
| Total .. .. .  |                                                 | 100                                 |

Two charts showing the power generation and power utilization in the State during 1953-54 face this page.

4. *Financial results.*—The gross revenue earned by the Departmental undertakings in operation during 1953-54 was Rs. 431 lakhs as against Rs. 431 lakhs in 1952-53 in the present Madras State registering an increase of 11.6 per cent. Details of capital outlay, gross revenue, working expenses and net revenue of the systems are furnished hereunder :—

| Name of system.            | Year of operation. | Total capital outlay. | Gross revenue.   | Total working expenses. | Net revenue.     |
|----------------------------|--------------------|-----------------------|------------------|-------------------------|------------------|
| (1)                        | (2)                | (3)                   | (4)              | (5)                     | (6)              |
|                            |                    | RUPEES IN LAKHS.      | RUPEES IN LAKHS. | RUPEES IN LAKHS.        | RUPEES IN LAKHS. |
| I. Hydro-electric Schemes— |                    |                       |                  |                         |                  |
| 1 Pykara .. .. .           | Twenty-first.      | 976.11                | 139.31           | 61.28                   | 78.03            |
| 2 Mettur .. .. .           | Seventeenth.       | 628.82                | 110.01           | 67.22                   | 42.79            |
| 3 Papanasam .. .. .        | Tenth ..           | 524.56                | 57.74            | 46.90                   | 10.84            |
| II. Thermal—               |                    |                       |                  |                         |                  |
| 1 Madras .. .. .           | Seventh ..         | 779.65                | 173.45           | 135.54                  | 37.91            |
| Total .. .. .              |                    | 2,909.14              | 480.51           | 310.94                  | 169.57           |

The return on capital outlay in operating systems works out to 5.8 per cent net.

The receipts from the Inspectorate amounted to Rs. 11.39 lakhs made up of Rs. 10.20 lakhs from the electricity duty, Rs. 0.91 lakh from inspections under the Indian Electricity Act and Cinematograph Act, Rs. 0.20 lakh from royalty for use of Government water for generation of electricity and Rs. 0.08 lakh from fees for audit of licensees' accounts.

5. *Number of consumers.*—There were three lakhs forty-one thousand eight hundred and fifty-four consumers at the end of 1953-54 served by all electrical undertakings in the State including Government areas.

Three lakhs thirty-seven thousand two hundred and eight consumers were in the areas served by power generated from Government undertakings of whom 164,778 were served directly by the Electricity Department and the rest 172,430 by licensees distributing Government power. The balance of

consumers, viz., 4,646 were served by self-generating licensees. Details are given in the statement below :—

| Name of system.                           | Number of consumers                   |                                                            |                            |
|-------------------------------------------|---------------------------------------|------------------------------------------------------------|----------------------------|
|                                           | Served by the Electricity Department. | Served through distributing licensees in Government areas. | Served by other licensees. |
| <b>I. Hydro-electric—</b>                 |                                       |                                                            |                            |
| 1 Pykara .. .. .                          | 50,103                                | 26,879                                                     | ..                         |
| 2 Mettur .. .. .                          | 27,655                                | 102,417                                                    | ..                         |
| 3 Papanasam .. .. .                       | 35,783                                | 41,794                                                     | ..                         |
| <b>II. Thermal—</b>                       |                                       |                                                            |                            |
| Madras .. .. .                            | 50,694                                | 1,340                                                      | ..                         |
| <b>III. Power purchased from outside—</b> |                                       |                                                            |                            |
| Kollegal .. .. .                          | 543                                   | ..                                                         | ..                         |
| <b>Total ..</b>                           | <b>164,778</b>                        | <b>172,430</b>                                             | <b>..</b>                  |
| Other licensees .. .. .                   | ..                                    | ..                                                         | 4,646                      |
| <b>Total ..</b>                           | <b>..</b>                             | <b>..</b>                                                  | <b>3,41,854</b>            |

Supply was extended to 71 villages and towns by the Department and to 49 villages and towns by the licensees during the year.

The total number of villages and townships having electric supply at the end of 1953-54 was 2,089 and 203 respectively. The numbers supplied by the Department and by the licensees are shown below :—

|                                    | Number of villages. | Number of towns. |
|------------------------------------|---------------------|------------------|
| Supplied by the Department .. .. . | 1,297               | 105              |
| Supplied by the licensees .. .. .  | 792                 | 98               |
| <b>Total ..</b>                    | <b>2,089</b>        | <b>203</b>       |

Appendices H-1 and H-2 give the names of the villages and towns having electric supply fed by the Department and by the licensees.

6. *Transmission lines and sub-stations.*—The route mileage of Government transmission and distribution net work increased by 762 miles during the year. The total miles of high-tension and low-tension lines in each system at the end of the year are furnished hereunder to the nearest mile :—

| Name of system/circle.             | Number of route miles. |              | Total.        |
|------------------------------------|------------------------|--------------|---------------|
|                                    | H.T.                   | L.T.         |               |
| 1 Pykara .. .. .                   | 1,922                  | 2,447        | 4,369         |
| 2 Mettur .. .. .                   | 1,783                  | 1,229        | 3,012         |
| 3 Papanasam .. .. .                | 809                    | 699          | 1,508         |
| 4 Madras .. .. .                   | 477                    | 763          | 1,240         |
| 5 Generation Circle, Erode .. .. . | 428                    | Nil.         | 428           |
| <b>Total ..</b>                    | <b>5,419</b>           | <b>5,138</b> | <b>10,557</b> |

Details of power transformer stations are furnished below :—

*E.H.T. and H.T. Transformer stations.*

| System.             | 66 and 110 K.V. |                  | 22 and 33 K.V. |                  |
|---------------------|-----------------|------------------|----------------|------------------|
|                     | Number.         | Capacity. K.V.A. | Number.        | Capacity. K.V.A. |
| 1 Pykara .. .. .    | 13              | 91,250           | 2              | 1,750            |
| 2 Mettur .. .. .    | 18              | 103,250          | 8              | 11,500           |
| 3 Papanasam .. .. . | 8               | 34,500           | 5              | 14,250           |
| 4 Madras .. .. .    | 2               | 23,000           | 15             | 24,350           |
| <b>Total ..</b>     | <b>41</b>       | <b>252,000</b>   | <b>30</b>      | <b>51,850</b>    |

NOTE.—The statement does not include transformers in power-houses.

Besides the above there are the following D.C. sub-stations in Madras system :—

|                                          |            |
|------------------------------------------|------------|
| Rectifier stations 6 Nos. .. .. .        | 4,000 KW.  |
| Rotary convertor stations 6 Nos. .. .. . | 13,500 KW. |

The total number of distribution transformers in the Department is 2,197 with an aggregate capacity of 145,836 KVA.

7. *Agricultural development.*—Top priority was continued to be given in the matter of giving supply to agricultural loads with a view to aid the Grow More Food campaign. However, due to restricted budget provision in the first half of the year services were extended only to those that gave voluntary loans. The position became normal during the second half of the year. During the year 1,030 agricultural pumpsets were connected up by the Department and 579 by licensees. Details of agricultural services with their connected load in the different areas at the end of 1953-54 are given below :—

| Name of system.                          | Number of services connected in 1953-54. | Connected load in KW. | Total number of services at the end of the year. | Total connected load in KW. at the end of 1953-54. |
|------------------------------------------|------------------------------------------|-----------------------|--------------------------------------------------|----------------------------------------------------|
| (1)                                      | (2)                                      | (3)                   | (4)                                              | (5)                                                |
| 1 Pykara .. .. .                         | 495                                      | 2,078                 | 8,560                                            | 38,007                                             |
| 2 Mettur .. .. .                         | 302                                      | 1,224                 | 5,006                                            | 19,469                                             |
| 3 Papanasam .. .. .                      | 118                                      | 424                   | 2,167                                            | 6,969                                              |
| 4 Madras .. .. .                         | 115                                      | 542                   | 1,438                                            | 7,128                                              |
| <b>Total ..</b>                          | <b>1,030</b>                             | <b>4,268</b>          | <b>17,171</b>                                    | <b>71,573</b>                                      |
| Licensees distributing Government power. | 579                                      | 2,962                 | 4,562                                            | 19,209                                             |
| <b>Total ..</b>                          | <b>1,609</b>                             | <b>7,230</b>          | <b>21,733</b>                                    | <b>90,782</b>                                      |

8. (1) *Rural Welfare schemes.*—Due to restriction of funds no new scheme has been sanctioned under the Firka Development Scheme excepting a small scheme costing Rs. 22,000 for supplying power to 5 Nos. agricultural, 23 Nos. domestic and 6 street light services in the Papanasam System.

(2) During the year supply to the following services were effected in the firka areas of Kadambattur, Tiruvallur, Kadambuliur, Kalasapakkam, Veerapandy, Mulluvadi, Usambadi, Tirumangalam, Malli, Sivakasi, Palladam, Avanashi and Tiruppur :—

|                       | Numbers. |
|-----------------------|----------|
| Agricultural .. .. .  | 142      |
| Domestic .. .. .      | 94       |
| Street lights .. .. . | 5        |

9. *Construction activities.*—Construction works connected with the Five-Year Plan of power development in the State (excepting distribution of power) were in full swing and a total capital expenditure of Rs. 2.34 crores was incurred on major projects and transmission lines.

The following major projects and lines were in progress :—

- (1) Pykara Plant Extensions III Stage.
- (2) The Madurai Thermal Scheme.
- (3) The Madras Plant Extensions.
- (4) The Madurai-Tirumangalam-Rajapalayam-Tenkasi 66 KV. line.
- (5) The Madurai-Sivaganga 66 KV. line.
- (6) The Papanasam-Tirunelveli-Kayattar 66 KV. line.
- (7) The Erode-Salem 66 KV. line.
- (8) The Erode-Tiruchirappalli-Dalmiapuram Extensions.
- (9) The Pykara-Madurai-Coimbatore 110 KV. line.
- (10) The South Kanara Scheme.

Detailed report on the present stage of the above works are given in Section II of the report.

10. *New schemes sanctioned.*—(1) The scheme for erection of a single circuit 110 KV. line from Singarapet-Villupuram with 110/66 KV. sub-station at Villupuram, a second circuit 66 KV. line from Singarapet-Vellore and change over of the existing Tiruvannamalai-Arni line from 33 to 66 KV. linking of Arni and Vellore sub-stations costing Rs. 98.430 lakhs initially and rising to Rs. 107.72 lakhs ultimately was sanctioned during the year.

(2) The Planning Commission have approved the inclusion of the Periyar hydro-electric scheme in the Five-year Plan and administrative approval of Government is awaited.

11. *Programme for 1954-55.*—Work on the major projects, viz., Pykara III Stage, Madurai Thermal Scheme, Madras Plant Extensions II Stage, Pykara-Coimbatore-Madurai 110 KV. line, Negamam-Pollachi 66 KV. line, South Kanara Extension Scheme, Salem-Namakkal 110 KV. line, etc., will be in progress. Work on Periyar hydro-electric scheme is also expected to be commenced in 1954-55.

12. *Power demand.*—The demand for power continued to be increasing and persistent. As pointed out in the 1952-53 administration report, with the existing schemes and those nearing completion a shortage of 70 to 80 MW. is expected by 1955-56 considering only demands for which firm commitments have been made. It is therefore essential that the Kundah scheme is also sanctioned immediately and work on both Periyar and Kundah schemes is taken up without any delay, as otherwise the industrial potential of the State which depends on power availability will be crippled permanently. The negotiations with the Travancore-Cochin Government for bulk supply to Madras State of 20 MW. from their Sengulam and Poringalkuthu projects nearing completion, are in progress; but this will meet only part of the power deficit.

As the power demand in the State is expected to increase at the rate of 20 to 25 MW. annually from 1955-56 it is necessary that the lignite resources at Neyveli, South Arcot district, should be exploited to put the power position on a sound footing and independent of monsoon vagaries. Action was being initiated for deciding upon suitable Consulting Engineers of repute to advise the Government on the matter.

13. *Electrical Inspectorate and Licensees.*—The number of licensees undertakings at the close of the year was 30 of which 7 were managed by



PHOTO SHOWING THE VIEW OF PYKARA DAM FROM THE LEFT DOWNSTREAM SIDE.

local bodies and the rest by private companies. There was also one sanctioned operating under section 28 of the Indian Electricity Act.

No new licences or extensions of period or area of existing licences were sanctioned.

In view of the difficult financial position, no loans were given to the licensees. Permission was granted under section 9 (2) of the Indian Electricity Act, to the South Arcot and Vellore Electric Licensees to take mortgage loans of Rs. 15 lakhs and Rs. 6 lakhs, respectively from the Madras Industrial Investment Corporation.

The accounts of 23 licensees were audited by the Audit Officer and the staff appointed therefor.

Six hundred and forty-four cinemas were functioning at the end of the year of which 312 were permanent and 332 touring.

The total number of accidents during the year including those on lines owned and operated by Government was 214 of which 62 were fatal.

14. *The Madras Electric Supply Undertakings (Acquisition) Act, 1949.*—No undertaking was taken over by the Department during the year. The Madras Electric Supply Undertakings (Acquisition) Act, 1949, was held void by the Supreme Court of India on the ground that the Act was beyond the legislative competency of the Madras Legislature.

The question of enacting revalidating legislation was under the consideration of Government.

15. *Foreign training.*—Sri R. Sankaran, Executive Engineer (Civil), Sri L. M. Sundaram, Divisional Electrical Engineer, and Sri S. Vaidyanathan, Assistant Engineer (Electrical), proceeded on deputation in October 1953 for training under the Point Four Programme to the United States of America for a period of six months. The period of deputation of Sri R. Sankaran was extended by eight weeks under the Departmental deputation scheme in order to enable him to see large construction in progress, completed power stations and shops manufacturing pipes, gates, turbines and generators in United Kingdom, France, Switzerland and Italy.

The deputation of Sri L. M. Sundaram and Sri S. Vaidyanathan in the United States of America was extended by four months under the departmental deputation scheme to enable them to see the latest lignite burning Power Houses in North Dakota, United States of America and to study their design construction and operation. They were also permitted to visit United Kingdom and Germany for two months, one month in each country, under the Departmental deputation scheme for study with the British Electricity Authority in United Kingdom and lignite power stations in Germany.

16. *Organization.*—The set up of the department underwent considerable changes during the year as detailed below :—

The Moyar Construction Circle was closed in July 1953 consequent on the completion of construction works at Moyar and the Pykara Dam Division attached to that circle was placed under the General Construction Circle which was the only construction circle retained in the present Madras State from October 1953.

Consequent on the formation of the Andhra State with effect from 1st October 1953 the posts of Chief Construction Engineer (Electricity) and Deputy Chief Construction Engineer (Electricity) were held in abeyance from that date. The Superintending Engineer, General Construction Circle, was placed directly under the control of the Chief Engineer. A new post of Consulting

Engineer to Government (Civil) was created with effect from 1st October 1953 to advise the Chief Engineer and Government on civil matters.

On the conclusion of the agreement with the Mysore State for supply of power to South Kanara district, work on the South Kanara extensions which had previously been suspended, was resumed and the Division was revived in October 1953.

With effect from 1st October 1953 the charges under the two Chief Operation Engineers were re-allocated as follows :—

Chief Operation Engineer (North) .. Madras Electricity System (Generation) and Madras Electricity System (Distribution) and Superintending Engineer (Generation), Hydro Areas.

Chief Operation Engineer (South) .. Pykara, Mettur and Papanasam Distribution Systems.

As a result of the Diminution of work in the Technical Branch at Headquarters due to the formation of the Andhra State, one Civil and two Electrical divisions were closed down.

A new Operation Division was sanctioned in August 1953 with Headquarters at Tirupur to give relief to the Coimbatore and Udumalpet Divisions which had become heavy due to the integration of the acquired electrical undertakings.

A new Division was sanctioned in January 1954 as also two field sub-divisions for attending to Hydro Metric Surveys. The Hydro Metric Surveys sub-division previously under the Executive Engineer, Hydro Electric Surveys was attached to this division which was placed under the administrative control of the Superintending Engineer, Technical (Civil).

The post of Consulting Engineer to Government (Electricity) was suppressed in September 1953 and Sri G. Sundaram was re-appointed as Chief Engineer for Electricity in the place of Sri B. R. Somayajulu who became the Chief Engineer for Electricity of the newly formed Andhra State. On 31st March 1954, afternoon Sri G. Sundaram handed over charge of the post of Chief Engineer (Electricity) to Sri V. P. Appadurai, who was appointed as the Chief Engineer for Electricity.

With effect from 1st April 1954, Sri G. Sundaram was appointed again as Consulting Engineer to Government (Electricity).

The set up of the Department at the end of 1953-54 is as shown in the chart facing this page.

The duties and responsibilities of the Chief Controller of Accounts were finally approved by Government in July 1953 and as a result, the administrative control of the Central offices of the systems was restored to the respective Superintending Engineers.

#### ACCOUNTS BRANCH.

17. *General.*—The capital expenditure during 1953-54 amounted to Rs. 453 lakhs and the total capital investments to the end of the year was Rs. 3,728 lakhs.

The capital outlay on schemes in operation to end of March 1954 was Rs. 2,909 lakhs.

Engineer to Government (Civil) was created with effect from 1st October 1953 to advise the Chief Engineer and Government on civil matters.

On the conclusion of the agreement with the Mysore State for supply of power to South Kanara district, work on the South Kanara extensions which had previously been suspended, was resumed and the Division was re-opened in October 1953.

With effect from 1st October 1953 the charges under the two Chief Operation Engineers were re-allocated as follows :—

Chief Operation Engineer (North) .. Madras Electricity System (Generation) and Madras Electricity System (Distribution) and Superintending Engineer (Generation), Hydro Areas.

Chief Operation Engineer (South) .. Pykara, Mettur and Papanasam Distribution Systems.

As a result of the Diminution of work in the Technical Branch at Headquarters due to the formation of the Andhra State, one Civil and two Electrical divisions were closed down.

A new Operation Division was sanctioned in August 1953 with Headquarters at Tirupur to give relief to the Coimbatore and Udumalpet Divisions which had become heavy due to the integration of the acquired electrical undertakings.

A new Division was sanctioned in January 1954 as also two field sub-divisions for attending to Hydro Metric Surveys. The Hydro Metric Surveys sub-division previously under the Executive Engineer, Hydro Electric Surveys was attached to this division which was placed under the administrative control of the Superintending Engineer, Technical (Civil).

The post of Consulting Engineer to Government (Electricity) was suppressed in September 1953 and Sri G. Sundaram was re-appointed as Chief Engineer for Electricity in the place of Sri B. R. Somayajulu who became the Chief Engineer for Electricity of the newly formed Andhra State. On 31st March 1954, afternoon Sri G. Sundaram handed over charge of the post of Chief Engineer (Electricity) to Sri V. P. Appadurai, who was appointed as the Chief Engineer for Electricity.

With effect from 1st April 1954, Sri G. Sundaram was appointed again as Consulting Engineer to Government (Electricity).

The set up of the Department at the end of 1953-54 is as shown in the chart facing this page.

The duties and responsibilities of the Chief Controller of Accounts were finally approved by Government in July 1953 and as a result, the administrative control of the Central offices of the systems was restored to the respective Superintending Engineers.

#### ACCOUNTS BRANCH.

17. *General.*—The capital expenditure during 1953-54 amounted to Rs. 453 lakhs and the total capital investments to the end of the year was Rs. 3,728 lakhs.

The capital outlay on schemes in operation to end of March 1954 was Rs. 2,909 lakhs.

The gross and net revenue earned by the Department were Rs. 4.81 lakhs and Rs. 1.70 lakhs respectively during the year under review. The return works out to 16.5 per cent gross and 5.8 per cent net.

The Accounts Branch handled cash receipts of Rs. 456 lakhs and cash payments of Rs. 497 lakhs during the year. In addition, payments to the extent of Rs. 438 lakhs made by other agencies like India Stores Department High Commissioner for India, London, etc., were watched and adjustments effected.

Stores receipts amounted to Rs. 425 lakhs and issues amounted to Rs. 459 lakhs. Seven thousand four hundred and sixty-seven suppliers' bills amounting to Rs. 352 lakhs were checked and payments made.

The following table gives the financial position of the Department as on 31st March 1954 :—

| Dr.                                  | RUPEES<br>IN<br>LAKHS. | Cr.                                                   | RUPEES<br>IN<br>LAKHS. |
|--------------------------------------|------------------------|-------------------------------------------------------|------------------------|
|                                      |                        |                                                       |                        |
| 1 Fixed assets in operation ..       | 2,569                  | 1 Capital invested ..                                 | 2,359                  |
| 2 Fixed assets under construction .. | 778                    | 2 Reserves for depreciation and Special Reserve Fund. | 501                    |
| 3 Stores ..                          | 397                    | 3 Accounts payable ..                                 | 173                    |
| 4 Accounts Receivable ..             | 107                    | 4 Net surplus (excluding interest).                   | 1,308                  |
| 5 Investments ..                     | 487                    |                                                       |                        |
| 6 Cash ..                            | 3                      |                                                       |                        |
|                                      |                        |                                                       |                        |
| Total ..                             | 4,341                  | Total ..                                              | 4,341                  |

| Financial year.          | Units generated in millions. | Detailed items of working expenses and the cost per unit generated. |                                                   |                  |       |                                |         |                                      |                                                |                  |           |                  |         |        |       |        |       |       |
|--------------------------|------------------------------|---------------------------------------------------------------------|---------------------------------------------------|------------------|-------|--------------------------------|---------|--------------------------------------|------------------------------------------------|------------------|-----------|------------------|---------|--------|-------|--------|-------|-------|
|                          |                              | Gross expenditure.                                                  | Establishment charges, allowances and recoveries. |                  |       |                                |         | Working expenses excluding suspense. | Other items.                                   |                  |           |                  |         |        |       |        |       |       |
|                          |                              |                                                                     | Provincial establishment and officers.            |                  |       | Operation Subordinate Service. |         |                                      | Depreciation reserve fund and special reserve. | Tools and plant. | Suspense. |                  |         |        |       |        |       |       |
|                          |                              |                                                                     | Gross.                                            | Less recoveries. | Net.  | Number employed.               | Amount. |                                      |                                                |                  |           | Number employed. | Amount. |        |       |        |       |       |
| (1)                      | (2)                          | (3)                                                                 | (4)                                               | (5)              | (6)   | (7)                            | (8)     | (9)                                  | (10)                                           | (11)             | (12)      | (13)             | (14)    | (15)   | (16)  | (17)   | (18)  | (19)  |
| <b>Pykara System.</b>    |                              |                                                                     |                                                   |                  |       |                                |         |                                      |                                                |                  |           |                  |         |        |       |        |       |       |
| 1948-49                  | 208.20                       | 34.25                                                               | 32.34                                             | 1.02             | 7.72  | 1.08                           | 5.74    | 807                                  | 5.79                                           | 2,251            | 1.84      | ..               | 5.22    | 0.05   | 12.69 | -0.01  | 1.91  | ..    |
| 1949-50                  | 222.86                       | 41.51                                                               | 37.11                                             | 1.35             | 8.63  | 2.83                           | 5.80    | 871                                  | 7.13                                           | 3,241            | 1.53      | ..               | 7.39    | 0.16   | 13.75 | ..     | 4.40  | ..    |
| 1950-51                  | 227.80                       | 37.66                                                               | 38.95                                             | 1.54             | 9.18  | 4.14                           | 5.04    | 941                                  | 7.67                                           | 3,346            | 1.61      | ..               | 8.47    | 0.15   | 14.83 | -0.36  | -1.29 | ..    |
| 1951-52                  | 242.83                       | 56.60                                                               | 46.53                                             | 1.76             | 10.32 | 4.13                           | 6.19    | 1,003                                | 8.11                                           | 3,285            | 1.69      | ..               | 12.39   | 0.11   | 16.54 | -0.26  | 10.07 | ..    |
| 1952-53                  | 221.000                      | 58.90                                                               | 58.74                                             | 1.48             | 12.50 | 3.01                           | 9.49    | 1,015                                | 8.99                                           | 1,012            | 2.09      | ..               | 18.87   | 0.11   | 17.85 | -0.14  | -1.54 | ..    |
| 1953-54                  | 285.908                      | 98.40                                                               | 96.35                                             | 0.01             | 0.08  | 0.02                           | 0.06    | 1,298                                | 0.06                                           | 504              | 0.02      | ..               | 0.10    | ..     | 0.10  | ..     | 0.01  | 0.23  |
| 1954-55                  | ..                           | 0.55                                                                | 0.54                                              | ..               | ..    | ..                             | ..      | ..                                   | ..                                             | ..               | ..        | ..               | 0.06    | ..     | ..    | ..     | ..    | ..    |
| <b>Mettur System.</b>    |                              |                                                                     |                                                   |                  |       |                                |         |                                      |                                                |                  |           |                  |         |        |       |        |       |       |
| 1948-49                  | 156.90                       | 35.02                                                               | 31.91                                             | 0.80             | 8.04  | 2.53                           | 5.46    | 1,029                                | 5.90                                           | 783              | 3.33      | ..               | 5.84    | 0.24   | 9.87  | 0.47   | 3.11  | ..    |
| 1949-50                  | 160.30                       | 42.89                                                               | 34.61                                             | 0.92             | 8.97  | 4.94                           | 4.33    | 1,057                                | 6.66                                           | 708              | 2.88      | ..               | 7.67    | 0.17   | 11.35 | 0.66   | 7.73  | ..    |
| 1950-51                  | 158.10                       | 42.74                                                               | 44.99                                             | 1.07             | 10.15 | 4.98                           | 5.17    | 1,088                                | 7.40                                           | 598              | 2.41      | ..               | 15.06   | 0.13   | 13.49 | 0.0066 | 0.77  | ..    |
| 1951-52                  | 215.54                       | 57.75                                                               | 53.79                                             | 1.31             | 10.47 | 4.18                           | 6.29    | 987                                  | 8.43                                           | 583              | 0.02      | ..               | 0.13    | 0.0011 | 0.118 | 0.04   | 1.95  | ..    |
| 1952-53                  | 187.618                      | 70.36                                                               | 72.90                                             | 1.31             | 11.08 | 2.97                           | 8.11    | 1,141                                | 7.80                                           | 518              | 3.53      | ..               | 33.81   | 0.08   | 19.06 | 0.68   | 2.54  | ..    |
| 1953-54                  | 163.277                      | 88.79                                                               | 91.85                                             | 1.35             | 10.82 | 5.47                           | 5.35    | 1,055                                | 6.94                                           | 508              | 2.11      | ..               | 37.91   | 0.18   | 14.11 | 0.74   | 5.56  | 27.14 |
| 1954-55                  | ..                           | 0.43                                                                | 0.43                                              | ..               | ..    | ..                             | ..      | ..                                   | ..                                             | ..               | ..        | ..               | 0.31    | ..     | 0.12  | ..     | 0.05  | 0.22  |
| <b>Papanasam System.</b> |                              |                                                                     |                                                   |                  |       |                                |         |                                      |                                                |                  |           |                  |         |        |       |        |       |       |
| 1948-49                  | 71.77                        | 14.71                                                               | 11.71                                             | 0.88             | 4.08  | 0.79                           | 3.29    | 301                                  | 2.43                                           | 341              | 0.69      | ..               | 3.51    | 0.04   | 1.42  | 0.05   | 3.90  | ..    |
| 1949-50                  | 79.34                        | 25.45                                                               | 17.69                                             | 0.45             | 4.91  | 1.46                           | 3.45    | 402                                  | 3.06                                           | 475              | 0.67      | ..               | 3.59    | 0.04   | 6.51  | 0.08   | 7.76  | ..    |
| 1950-51                  | 100.43                       | 17.93                                                               | 19.28                                             | 0.51             | 5.97  | 2.11                           | 3.86    | 533                                  | 4.19                                           | 544              | 0.89      | ..               | 2.84    | 0.04   | 7.07  | 0.12   | 1.85  | ..    |
| 1951-52                  | 135.87                       | 27.95                                                               | 31.78                                             | 0.65             | 7.04  | 1.82                           | 5.22    | 581                                  | 4.71                                           | 490              | 0.014     | ..               | 0.045   | 0.0006 | 0.112 | 0.08   | 3.53  | ..    |
| 1952-53                  | 104.50                       | 87.51                                                               | 87.09                                             | 0.68             | 7.62  | 1.84                           | 5.78    | 607                                  | 4.65                                           | 1,005            | 0.013     | ..               | 0.141   | 0.0005 | 0.096 | ..     | 0.42  | ..    |
| 1953-54                  | 125.687                      | 98.85                                                               | 96.48                                             | 0.01             | 0.12  | 0.04                           | 0.08    | 715                                  | 0.07                                           | 1,388            | 0.04      | ..               | 0.06    | 0.16   | 0.18  | 0.26   | 0.02  | 0.28  |
| 1954-55                  | ..                           | 0.38                                                                | 0.36                                              | ..               | ..    | ..                             | ..      | ..                                   | ..                                             | ..               | ..        | ..               | 0.04    | ..     | ..    | ..     | ..    | ..    |

**STATEMENT SHOWING THE UNITS GENERATED, WORKING EXPENSES AND THE COST PER UNIT GENERATED  
UNDER EACH MAIN HEAD OF EXPENSES (1953-54)—cont.**

| Financial year.                  | Units generated in millions. | Detailed items of working expenses and the cost per unit generated. |                  |        |                                |         |                      |                      |              |       |                                                     |                                                    |                            |                  |                  |           |       |       |
|----------------------------------|------------------------------|---------------------------------------------------------------------|------------------|--------|--------------------------------|---------|----------------------|----------------------|--------------|-------|-----------------------------------------------------|----------------------------------------------------|----------------------------|------------------|------------------|-----------|-------|-------|
|                                  |                              | Establishment charges, allowances and recoveries.                   |                  |        |                                |         |                      |                      | Other items. |       |                                                     |                                                    |                            |                  |                  |           |       |       |
|                                  |                              | Provincial establishment and officers.                              |                  |        | Operation Subordinate Service. |         | Nominal muster roll. | Fuel and lubricants. |              |       | Operation and maintenance other than establishment. | Works expenditure financed from ordinary revenues. | Depreciation reserve fund. | Tools and plant. | Sundry expenses. | Interest. |       |       |
|                                  |                              | Gross.                                                              | Less recoveries. | Net.   | Number employed.               | Amount. |                      | Number employed.     | Amount.      |       |                                                     |                                                    |                            |                  |                  |           |       |       |
| (1)                              | (2)                          | (3)                                                                 | (4)              | (5)    | (6)                            | (7)     | (8)                  | (9)                  | (10)         | (11)  | (12)                                                | (13)                                               | (14)                       | (15)             | (16)             | (17)      | (18)  | (19)  |
| <i>Abstract for Hydro Areas.</i> |                              |                                                                     |                  |        |                                |         |                      |                      |              |       |                                                     |                                                    |                            |                  |                  |           |       |       |
| 1948-49                          | ..                           | 436.77                                                              | 85.96            | 2.20   | 19.84                          | 5.35    | 14.49                | 2,137                | 14.12        | 3,375 | 5.86                                                | ..                                                 | 14.57                      | 0.33             | 23.98            | 0.41      | 8.02  | ..    |
|                                  |                              | 0.31                                                                | 0.315            | 0.008  | 0.07                           | 9.02    | 0.05                 |                      | 0.05         |       | 0.02                                                | ..                                                 | 0.05                       | 0.007            | 0.09             | 0.0015    | 0.03  | ..    |
| 1949-50                          | ..                           | 463.09                                                              | 89.44            | 2.72   | 22.51                          | 8.93    | 13.58                | 2,330                | 16.85        | 4,424 | 5.08                                                | ..                                                 | 18.65                      | 0.37             | 31.61            | 0.58      | 19.91 | ..    |
|                                  |                              | 0.38                                                                | 0.31             | 0.009  | 0.08                           | 0.031   | 0.05                 |                      |              |       |                                                     | ..                                                 | 0.06                       | 0.001            | 0.11             | 0.002     | 0.07  | ..    |
| 1950-51                          | ..                           | 511.24                                                              | 98.33            | 3.12   | 25.30                          | 11.23   | 14.07                | 2,562                | 19.26        | 4,488 | 4.91                                                | ..                                                 | 26.37                      | 0.32             | 35.39            | 0.52      | 4.59  | ..    |
|                                  |                              | 0.31                                                                | 0.32             | 0.01   | 0.03                           | 0.035   | 0.044                |                      | 0.08         |       | 0.014                                               | ..                                                 | 0.08                       | 0.001            | 0.11             |           |       | ..    |
| 1951-52                          | ..                           | 595.29                                                              | 142.30           | 3.72   | 27.83                          | 10.13   | 17.70                | 2,571                | 21.25        | 4,553 | 5.26                                                | ..                                                 | 42.74                      | 0.24             | 41.56            | 0.37      | 10.20 | ..    |
|                                  |                              | 0.332                                                               | 0.355            | 0.010  | 0.075                          |         | 0.048                |                      | 0.057        |       | 0.014                                               | ..                                                 | 0.115                      | 0.0006           | 0.112            |           | 0.027 | ..    |
| 1952-53                          | ..                           | 463.118                                                             | 164.77           | 3.37   | 31.20                          | 7.82    | 23.38                | 2,793                | 21.44        | 2,535 | 7.06                                                | ..                                                 | 68.20                      | 0.59             | 45.79            | 1.10      | 3.36  | ..    |
|                                  |                              | 0.57                                                                | 0.53             | 0.01   | 0.11                           | 0.03    | 0.03                 |                      | 0.07         |       | 0.03                                                | ..                                                 | 0.24                       |                  | 0.15             |           | 0.01  | ..    |
|                                  |                              |                                                                     | 123.18           | 132.14 |                                |         |                      |                      |              |       |                                                     |                                                    |                            | 30.61            |                  |           |       |       |
|                                  |                              |                                                                     | 0.44             | 0.45   |                                |         |                      |                      |              |       |                                                     |                                                    |                            | 0.11             |                  |           |       |       |
| 1953-54                          | ..                           | 604.872                                                             | 264.25           | 3.71   | 34.88                          | 13.16   | 21.72                | 3,063                | 22.65        | 2,350 | 8.20                                                | 12.82                                              | 60.54                      | 0.14             | 46.86            | 1.25      | 2.14  | 91.00 |
|                                  |                              | 0.69                                                                | 0.70             | 0.01   | 0.10                           | 0.04    | 0.06                 |                      | 0.06         |       | 0.02                                                | 0.04                                               | 0.16                       |                  | 0.12             |           | 0.01  | 0.23  |
|                                  |                              | 225.24                                                              | 227.38           |        |                                |         |                      |                      |              |       |                                                     |                                                    | 21.53                      |                  |                  |           |       |       |
|                                  |                              | 0.59                                                                | 0.60             |        |                                |         |                      |                      |              |       |                                                     |                                                    | 0.06                       |                  |                  |           |       |       |

(IN LAHRS OF RUPEES.)

**Madras System.**

|         |            |        |        |      |       |       |       |       |       |       |       |       |       |       |       |      |       |        |
|---------|------------|--------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| 1948-49 | .. 102.07  | 74.57  | 71.01  | 1.00 | 7.06  | 1.86  | 5.19  | 537   | 4.78  | 1,800 | 0.74  | 35.54 | 4.89  | 0.06  | 12.92 | 0.11 | 3.46  | ..     |
| 1949-50 | .. 108.00  | 77.29  | 78.60  | 1.17 | 7.86  | 2.30  | 5.06  | 544   | 4.86  | 1,850 | 0.73  | 42.05 | 4.35  | 0.02  | 12.86 | 0.30 | 1.31  | ..     |
| 1950-51 | .. 120.80  | 93.03  | 87.72  | 1.45 | 8.06  | 3.33  | 4.73  | 541   | 4.82  | 2,100 | 0.71  | 44.38 | 4.04  | 0.003 | 0.19  |      |       | ..     |
| 1951-52 | .. 135.56  | 113.10 | 108.07 | 1.75 | 9.27  | 3.34  | 5.93  | 562   | 5.06  | 2,300 | 0.73  | 45.15 | 12.96 | 0.007 | 0.19  | 0.07 |       | ..     |
| 1952-53 | .. 152.174 | 147.45 | 132.21 | 1.93 | 10.64 | 2.82  | 7.82  | 782   | 5.08  | 1,069 | 0.79  | 61.94 | 23.16 | 0.002 | 0.274 | 0.31 | 5.03  | ..     |
| 1953-54 | .. 152.998 | 173.01 | 164.43 | 2.17 | 12.16 | 5.84  | 6.32  | 961   | 9.87  | 1,321 | 11.24 | 53.90 | 20.33 | 0.03  | 31.01 | 0.39 | 8.53  | 28.94  |
|         |            | 1.81   | 1.72   | 0.02 | 0.13  | 0.06  | 0.07  |       | 0.10  |       | 0.12  | 0.63  | 10.61 |       | 0.32  |      | 0.09  | 0.30   |
|         |            | 169.23 | 159.70 |      |       |       |       |       |       |       |       |       | 0.11  |       |       |      |       |        |
|         |            | 1.76   | 1.67   |      |       |       |       |       |       |       |       |       |       |       |       |      |       |        |
| 1951-52 | .. 730.85  | 255.40 | 240.17 | 5.47 | 37.10 | 13.47 | 23.63 | 3,133 | 26.31 | 6,658 | 16.54 | 43.15 | 55.70 | 0.26  | 64.79 | 0.68 | 5.17  | ..     |
| 1952-53 | .. 615.292 | 312.22 | 300.94 | 5.30 | 41.84 | 10.64 | 31.20 | 3,575 | 26.52 | 3,604 | 14.85 | 61.94 | 91.36 | 0.59  | 70.38 | 1.20 | 11.88 | ..     |
| 1953-54 | .. 757.870 | 437.26 | 430.87 | 5.88 | 47.04 | 19.00 | 23.04 | 4,029 | 32.52 | 3,671 | 19.44 | 72.72 | 75.93 | 0.17  | 77.87 | 1.24 | 6.39  | 119.94 |
|         |            | 0.92   | 0.91   | 0.01 | 0.10  | 0.04  | 0.06  |       | 0.07  |       | 0.04  | 0.15  | 0.16  |       | 0.16  |      | 0.01  | 0.26   |
|         |            | 393.47 | 387.08 |      |       |       |       |       |       |       |       |       | 32.14 |       |       |      |       |        |
|         |            | 0.93   | 0.92   |      |       |       |       |       |       |       |       |       | 0.07  |       |       |      |       |        |

N.B.—(1) The denominator gives the cost in annas per unit generated.  
(2) The second set of figures under columns (3), (4) and (14) give the cost excluding cost of power purchased from other systems.  
(3) Figures under columns (3) and (4) in 1953-54 include interest charges.

LI. RECEIPTS FROM ELECTRICITY SCHEMES—WORKING EXPENSES—STATEMENT SHOWING GROSS REVENUE, WORKING EXPENSES AND THE PROPORTION OF EXPENSES UNDER EACH MAIN HEAD TO GROSS REVENUE FOR 1953-54.

HYDRO AREAS.

| Financial year.       | Expenditure under each main head and its proportion to revenue. |                  |        |                                |         |                      |         |                                                     |                                                   |                      |                                                     |                  |           |           |       |        |        | Suspense. | Tools and plant. | Depreciation reserve fund and special reserve fund. | Interest. |
|-----------------------|-----------------------------------------------------------------|------------------|--------|--------------------------------|---------|----------------------|---------|-----------------------------------------------------|---------------------------------------------------|----------------------|-----------------------------------------------------|------------------|-----------|-----------|-------|--------|--------|-----------|------------------|-----------------------------------------------------|-----------|
|                       | Establishment charges, allowances and recoveries.               |                  |        |                                |         |                      |         |                                                     |                                                   |                      |                                                     |                  |           |           |       |        |        |           |                  |                                                     |           |
|                       | Provincial establishment and officers.                          |                  |        | Operation Subordinate Service. |         | Nominal muster roll. |         | Other items.                                        |                                                   |                      |                                                     |                  |           |           |       |        |        |           |                  |                                                     |           |
|                       | Gross                                                           | Less recoveries. | Net.   | Number employed.               | Amount. | Number employed.     | Amount. | Operation and maintenance other than establishment. | Works expenditure financed from ordinary revenue. | Fuel and lubricants. | Depreciation reserve fund and special reserve fund. | Tools and plant. | Suspense. | Interest. |       |        |        |           |                  |                                                     |           |
| (1)                   | (2)                                                             | (3)              | (4)    | (5)                            | (6)     | (7)                  | (8)     | (9)                                                 | (10)                                              | (11)                 | (12)                                                | (13)             | (14)      | (15)      | (16)  | (17)   | (18)   | (19)      |                  |                                                     |           |
| (IN LAKHS OF RUPEES.) |                                                                 |                  |        |                                |         |                      |         |                                                     |                                                   |                      |                                                     |                  |           |           |       |        |        |           |                  |                                                     |           |
| Pykara System.        |                                                                 |                  |        |                                |         |                      |         |                                                     |                                                   |                      |                                                     |                  |           |           |       |        |        |           |                  |                                                     |           |
| 1948-49 ..            | 72.83                                                           | 34.25            | 32.34  | 1.02                           | 7.72    | 1.98                 | 5.74    | 807                                                 | 5.79                                              | 2,251                | 1.84                                                | ..               | 5.22      | 0.05      | 12.69 | — 0.01 | 1.91   | ..        |                  |                                                     |           |
|                       |                                                                 | 47.00            | 44.40  | 1.40                           | 10.60   | 7.88                 | 7.95    |                                                     | 7.95                                              |                      | 2.53                                                |                  | 7.17      | 0.07      | 17.42 |        | 2.60   |           |                  |                                                     |           |
| 1949-50 ..            | 86.37                                                           | 41.51            | 37.11  | 1.35                           | 8.63    | 2.83                 | 5.80    | 871                                                 | 7.13                                              | 3,241                | 1.53                                                | ..               | 7.39      | 0.16      | 13.75 | ..     | 4.40   | ..        |                  |                                                     |           |
|                       |                                                                 | 48.06            | 42.97  | 1.55                           | 9.99    | 6.60                 | 6.80    |                                                     | 8.26                                              |                      | 1.76                                                | ..               | 8.56      | 0.19      | 15.92 |        | 5.09   | ..        |                  |                                                     |           |
| 1950-51 ..            | 93.61                                                           | 37.66            | 38.95  | 1.54                           | 9.18    | 4.14                 | 5.04    | 941                                                 | 7.67                                              | 3,346                | 1.61                                                | ..               | 8.47      | 0.15      | 14.83 | — 0.36 | — 1.29 | ..        |                  |                                                     |           |
|                       |                                                                 | 40.23            | 41.60  | 1.64                           | 9.81    | 5.38                 | 5.38    |                                                     | 8.19                                              |                      | 1.72                                                | ..               | 9.05      | 0.16      | 15.84 |        |        | ..        |                  |                                                     |           |
| 1951-52 ..            | 115.31                                                          | 56.60            | 46.53  | 1.76                           | 10.32   | — 4.13               | 6.19    | 1,003                                               | 8.11                                              | 3,285                | 1.69                                                | ..               | 12.39     | 0.11      | 16.54 | — 0.26 | 10.07  | ..        |                  |                                                     |           |
|                       |                                                                 | 49.09            | 40.35  | 1.53                           | 8.95    | 5.37                 | 5.37    |                                                     | 7.03                                              |                      | 1.47                                                | ..               | 10.74     | 0.10      | 14.34 |        | 8.73   | ..        |                  |                                                     |           |
| 1952-53 ..            | 118.26                                                          | 56.90            | 58.74  | 1.48                           | 12.50   | 3.01                 | 9.49    | 1,042                                               | 8.99                                              | 1,042                | 2.09                                                | ..               | 18.87     | 0.11      | 17.85 | — 0.14 | — 1.84 | ..        |                  |                                                     |           |
|                       |                                                                 | 48.11            | 49.67  | 1.26                           | 10.57   | 2.55                 | 3.02    |                                                     | 7.60                                              |                      | 1.77                                                | ..               | 15.96     | 0.09      | 15.09 | — 0.11 | — 1.56 | ..        |                  |                                                     |           |
| 1953-54 ..            | 139.31                                                          | 104.88           | 102.83 | 1.74                           | 14.84   | 4.51                 | 10.33   | 1,238                                               | 10.12                                             | 504                  | 2.88                                                | ..               | 17.81     | 0.12      | 18.53 | — 0.25 | 2.05   | 41.55     |                  |                                                     |           |
|                       |                                                                 | 75.28            | 72.31  | 1.25                           | 10.65   | 8.24                 | 7.41    |                                                     | 7.26                                              |                      | 2.07                                                | ..               | 12.78     | 0.09      | 13.30 | — 0.17 | 1.47   | 29.82     |                  |                                                     |           |

(IN LAKHS OF RUPEES.)

Pykara System.

Matur System.

| (1)               | (2)   | (3)   | (4)   | (5)   | (6)    | (7)  | (8)   | (9)  | (10) | (11) | (12) | (13) | (14)  | (15) | (16)  | (17)   | (18)   | (19)  |
|-------------------|-------|-------|-------|-------|--------|------|-------|------|------|------|------|------|-------|------|-------|--------|--------|-------|
| 1948-49 .. 63.73  | 35.02 | 31.91 | 0.80  | 8.04  | 2.58   | 5.46 | 1,029 | 5.90 | 783  | 3.33 | ..   | ..   | 5.84  | 0.24 | 9.87  | 0.47   | 3.11   | ..    |
|                   | 54.95 | 50.07 | 1.25  | 12.62 | 8.57   | ..   | 9.26  | ..   | ..   | 5.22 | ..   | ..   | 9.16  | 0.38 | 5.49  | 0.74   | 4.86   | ..    |
| 1949-50 .. 74.14  | 42.39 | 34.64 | 0.92  | 8.97  | 4.64   | 4.33 | 1,057 | 6.66 | 708  | 2.88 | ..   | ..   | 7.67  | 0.17 | 11.35 | 0.66   | 7.75   | ..    |
|                   | 57.18 | 46.72 | 1.25  | 12.10 | 5.84   | ..   | 8.98  | ..   | ..   | 3.89 | ..   | ..   | 10.35 | 0.23 | 15.31 | 0.89   | 10.48  | ..    |
| 1950-51 .. 85.98  | 43.74 | 44.69 | 1.07  | 10.15 | 4.98   | 5.17 | 1,088 | 7.40 | 598  | 2.41 | ..   | ..   | 15.06 | 0.13 | 13.49 | — 0.04 | — 1.95 | ..    |
|                   | 49.71 | 51.98 | 1.25  | 11.81 | 6.01   | ..   | 8.61  | ..   | ..   | 2.80 | ..   | ..   | 17.51 | 0.15 | 15.69 | ..     | ..     | ..    |
| 1951-52 .. 101.53 | 57.75 | 53.79 | 1.31  | 10.47 | — 4.18 | 6.29 | 987   | 8.43 | 583  | 2.47 | ..   | ..   | 18.41 | 0.08 | 16.83 | — 0.03 | 3.96   | ..    |
|                   | 56.88 | 52.98 | 1.29  | 10.31 | 6.20   | ..   | 8.30  | ..   | ..   | 2.43 | ..   | ..   | 18.13 | 0.08 | 16.58 | ..     | 3.90   | ..    |
| 1952-53 .. 103.55 | 70.36 | 72.90 | 1.131 | 11.08 | — 2.97 | 8.11 | 1,141 | 7.80 | 518  | 3.53 | ..   | ..   | 33.81 | 0.08 | 19.06 | — 0.80 | — 2.54 | ..    |
|                   | 67.95 | 70.40 | 1.26  | 10.70 | — 2.87 | 7.83 | 7.53  | ..   | ..   | 3.41 | ..   | ..   | 32.65 | 0.08 | 18.41 | — 0.97 | 2.45   | ..    |
| 1953-54 .. 110.01 | 83.79 | 84.35 | 1.35  | 10.32 | 5.47   | 5.35 | 1,055 | 6.94 | 508  | 2.11 | ..   | ..   | 37.91 | 0.18 | 14.11 | — 0.74 | — 5.56 | 27.14 |
|                   | 80.71 | 85.76 | 1.23  | 9.83  | 4.97   | 4.86 | 6.31  | ..   | ..   | 1.92 | ..   | ..   | 34.46 | 0.16 | 12.82 | — 0.67 | — 5.05 | 24.67 |

Papanasam System.

| (1)              | (2)    | (3)    | (4)  | (5)   | (6)    | (7)   | (8)   | (9)  | (10)  | (11) | (12)  | (13) | (14)  | (15)   | (16)  | (17)   | (18)   | (19)  |
|------------------|--------|--------|------|-------|--------|-------|-------|------|-------|------|-------|------|-------|--------|-------|--------|--------|-------|
| 1948-49 .. 39.54 | 14.71  | 11.71  | 0.38 | 4.08  | 0.79   | 3.29  | 301   | 2.43 | 341   | 0.69 | ..    | ..   | 3.51  | 0.04   | 1.42  | — 0.05 | 3.00   | ..    |
|                  | 49.80  | 39.64  | 1.29 | 13.81 | 11.14  | ..    | 8.22  | ..   | ..    | 2.34 | ..    | ..   | 11.88 | 0.13   | 4.81  | ..     | 10.16  | ..    |
| 1949-50 .. 38.14 | 25.45  | 17.69  | 0.45 | 4.91  | 1.46   | 3.45  | 402   | 3.06 | 475   | 0.67 | ..    | ..   | 3.59  | 0.04   | 6.81  | — 0.08 | 7.76   | ..    |
|                  | 70.42  | 48.95  | 1.27 | 13.31 | 9.55   | ..    | 8.47  | ..   | ..    | 1.83 | ..    | ..   | 9.93  | 0.11   | 13.01 | ..     | 21.47  | ..    |
| 1950-51 .. 41.00 | 17.93  | 19.23  | 0.51 | 5.97  | 2.11   | 3.86  | 533   | 4.19 | 544   | 0.89 | ..    | ..   | 2.84  | 0.04   | 7.07  | — 0.12 | — 1.35 | ..    |
|                  | 43.73  | 47.02  | 1.24 | 14.61 | 9.41   | ..    | 10.22 | ..   | ..    | 2.17 | ..    | ..   | 6.93  | 0.10   | 17.24 | ..     | ..     | ..    |
| 1951-52 .. 53.96 | 27.95  | 31.78  | 0.65 | 7.04  | — 1.32 | 5.22  | 581   | 4.71 | 490   | 1.10 | ..    | ..   | 11.94 | 0.05   | 8.19  | — 0.08 | — 3.83 | ..    |
|                  | 51.80  | 58.90  | 1.20 | 13.05 | 9.67   | ..    | 8.73  | ..   | ..    | 2.04 | ..    | ..   | 22.13 | 0.09   | 15.18 | ..     | ..     | ..    |
| 1952-53 .. 54.53 | 37.51  | 37.09  | 0.58 | 7.62  | — 1.34 | 5.73  | 607   | 4.65 | 1,005 | 1.44 | ..    | ..   | 15.52 | 0.40   | 8.88  | — 0.16 | 0.42   | ..    |
|                  | 68.80  | 68.03  | 1.06 | 13.98 | 3.88   | 10.60 | 8.53  | ..   | ..    | 2.64 | ..    | ..   | 29.46 | 0.75   | 16.29 | — 0.30 | 0.77   | ..    |
| 1953-54 .. 57.74 | 76.53  | 69.21  | 0.62 | 9.22  | 3.13   | 6.04  | 715   | 5.59 | 1,338 | 3.21 | 12.82 | ..   | 4.92  | — 0.16 | 14.22 | — 0.26 | 1.37   | 22.31 |
|                  | 122.24 | 119.87 | 1.07 | 15.97 | 5.51   | 10.46 | 9.68  | ..   | ..    | 5.56 | 22.20 | ..   | 8.35  | — 0.37 | 24.63 | — 0.45 | 2.37   | 38.64 |

**XLI. RECEIPTS FROM ELECTRICITY SCHEMES—WORKING EXPENSES—STATEMENT SHOWING GROSS REVENUE, WORKING EXPENSES AND THE PROPORTION OF EXPENSES UNDER EACH MAIN HEAD TO GROSS REVENUE—cont.**

**HYDRO AREAS—cont.**

| Financial year.                  | Expenditure under each main head and its proportion to revenue. |        |                  |         |                      |                                |       |                  |         |                      |                      |                  |         |                                                               |                                                   |                                        |                                                   |           |
|----------------------------------|-----------------------------------------------------------------|--------|------------------|---------|----------------------|--------------------------------|-------|------------------|---------|----------------------|----------------------|------------------|---------|---------------------------------------------------------------|---------------------------------------------------|----------------------------------------|---------------------------------------------------|-----------|
|                                  | Establishment charges, Allowances and recoveries.               |        |                  |         |                      |                                |       |                  |         |                      | Other items.         |                  |         |                                                               |                                                   |                                        |                                                   |           |
|                                  | Provincial establishment and officers.                          |        |                  |         |                      | Operation subordinate service. |       |                  |         |                      | Fuel and lubricants. |                  |         | Operation and maintenance expenses other than establishments. |                                                   |                                        | Works expenditure financed from ordinary revenue. |           |
|                                  | Gross.                                                          | Net.   | Number employed. | Amount. | Nominal muster roll. | Gross.                         | Net.  | Number employed. | Amount. | Nominal muster roll. | Amount.              | Number employed. | Amount. | Operation and maintenance expenses other than establishments. | Works expenditure financed from ordinary revenue. | Depreciation and special reserve fund. | Tools and plant.                                  | Suspense. |
| (1)                              | (2)                                                             | (3)    | (4)              | (5)     | (6)                  | (7)                            | (8)   | (9)              | (10)    | (11)                 | (12)                 | (13)             | (14)    | (15)                                                          | (16)                                              | (17)                                   | (18)                                              | (19)      |
| <i>(IN LAKHS OF RUPEES.)</i>     |                                                                 |        |                  |         |                      |                                |       |                  |         |                      |                      |                  |         |                                                               |                                                   |                                        |                                                   |           |
| <i>Abstract for Hydro Areas.</i> |                                                                 |        |                  |         |                      |                                |       |                  |         |                      |                      |                  |         |                                                               |                                                   |                                        |                                                   |           |
| 1948-49 ..                       | 106.10                                                          | 33.98  | 85.96            | 2.20    | 19.84                | 5.35                           | 14.49 | 2,137            | 14.12   | 3,375                | 5.86                 | ..               | 14.57   | 0.33                                                          | 23.98                                             | 0.41                                   | 8.02                                              | ..        |
|                                  |                                                                 | 50.56  | 51.75            | 1.32    | 11.94                | ..                             | 8.72  | ..               | 8.50    | ..                   | 3.53                 | ..               | 8.77    | 0.20                                                          | 14.44                                             | 0.25                                   | 4.83                                              | ..        |
| 1949-50 ..                       | 106.65                                                          | 109.35 | 89.44            | 2.72    | 22.51                | 8.93                           | 13.58 | 2,330            | 16.85   | 4,424                | 5.08                 | ..               | 18.65   | 0.37                                                          | 31.61                                             | 0.88                                   | 19.91                                             | ..        |
|                                  |                                                                 | 55.61  | 45.48            | 1.38    | 11.40                | ..                             | 6.91  | ..               | 8.66    | ..                   | 2.59                 | ..               | 9.48    | 0.18                                                          | 16.07                                             | 0.29                                   | 10.12                                             | ..        |
| 1950-51 ..                       | 220.59                                                          | 98.33  | 102.92           | 3.12    | 25.30                | 11.23                          | 14.07 | 2,562            | 19.26   | 4,488                | 4.91                 | ..               | 26.37   | 0.32                                                          | 35.39                                             | 0.52                                   | 4.59                                              | ..        |
|                                  |                                                                 | 44.53  | 46.66            | 1.41    | 11.47                | ..                             | 6.38  | ..               | 8.73    | ..                   | 2.23                 | ..               | 11.95   | 0.15                                                          | 16.04                                             | ..                                     | ..                                                | ..        |
| 1951-52 ..                       | 270.80                                                          | 142.30 | 132.10           | 3.72    | 27.83                | 10.13                          | 17.70 | 2,571            | 21.25   | 4,358                | 5.26                 | ..               | 42.74   | 0.24                                                          | 41.56                                             | 0.37                                   | 10.20                                             | ..        |
|                                  |                                                                 | 52.55  | 48.78            | 1.37    | 10.28                | ..                             | 6.54  | ..               | 7.85    | ..                   | 1.94                 | ..               | 15.78   | 0.09                                                          | 15.35                                             | ..                                     | 3.77                                              | ..        |
| 1952-53 ..                       | 270.33                                                          | 164.77 | 168.73           | 3.37    | 31.20                | 7.82                           | 23.38 | 2,793            | 21.44   | 2,555                | 7.06                 | ..               | 63.20   | 0.59                                                          | 45.79                                             | 1.10                                   | 3.96                                              | ..        |
|                                  |                                                                 | 59.63  | 61.06            | 1.22    | 11.29                | ..                             | 8.46  | ..               | 7.76    | ..                   | 2.55                 | ..               | 24.68   | 0.21                                                          | 16.57                                             | 0.39                                   | 1.43                                              | ..        |
| 1953-54 ..                       | 307.06                                                          | 264.25 | 266.39           | 3.71    | 34.88                | 13.16                          | 21.72 | 3,068            | 22.65   | 2,350                | 8.20                 | 12.82            | 60.54   | 0.14                                                          | 46.86                                             | 1.25                                   | 2.14                                              | 91.00     |
|                                  |                                                                 | 86.06  | 86.76            | 1.21    | 11.36                | ..                             | 7.07  | ..               | 7.38    | ..                   | 2.67                 | 4.18             | 19.72   | 0.15                                                          | 15.26                                             | 0.42                                   | 0.70                                              | 29.04     |

**THERMAL AREAS.**

*Madras Electricity System.*

| 1948-49 ..                 | 80.10  | 74.57  | 71.01  | 1.00 | 7.05   | 1.86  | 5.19  | 537   | 4.78  | 1,800 | 6.74  | 35.54 | 4.89  | 0.06 | 12.92 | 0.11 | 3.86  | ..     |
|----------------------------|--------|--------|--------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|--------|
|                            |        | 91.35  | 88.65  | 1.25 | 8.80   |       | 6.48  |       | 5.97  |       | 8.41  | 44.37 | 6.10  | 0.07 | 16.13 |      | 4.44  |        |
| 1949-50 ..                 | 93.92  | 77.29  | 78.60  | 1.17 | 7.86   | 2.80  | 5.06  | 544   | 4.86  | 1,850 | 7.98  | 42.65 | 4.35  | 0.02 | 12.86 | 0.30 | 1.31  | ..     |
|                            |        | 83.19  | 83.99  | 1.25 | 8.37   |       | 5.39  |       | 5.17  |       | 8.44  | 45.41 | 4.63  | 0.02 | 13.69 |      |       |        |
| 1950-51 ..                 | 116.13 | 93.03  | 87.72  | 1.45 | 8.06   | 2.33  | 4.73  | 541   | 4.82  | 2,100 | 9.71  | 44.38 | 9.32  | 0.05 | 13.41 | 0.15 | 5.31  | ..     |
|                            |        | 80.11  | 75.54  | 1.25 | 6.94   |       | 4.07  |       | 4.15  |       | 8.36  | 38.22 | 8.01  | 0.04 | 11.55 |      | 4.57  |        |
| 1951-52 ..                 | 189.59 | 113.10 | 108.07 | 1.75 | 9.27   | 3.34  | 5.93  | 562   | 5.06  | 2,300 | 11.23 | 48.15 | 12.96 | 0.02 | 23.23 | 0.31 | 5.03  | ..     |
|                            |        | 81.02  | 77.42  | 1.25 | 6.64   |       | 4.25  |       | 3.62  |       | 8.08  | 34.49 | 9.29  | 0.01 | 16.64 |      | 3.60  |        |
| 1952-53 ..                 | 155.12 | 147.45 | 132.21 | 1.93 | 110.64 | 2.82  | 7.82  | 782   | 5.08  | 1,069 | 7.79  | 61.94 | 23.16 | ..   | 24.59 | 0.10 | 15.24 | ..     |
|                            |        | 95.06  | 85.23  | 1.24 | 6.86   | 1.82  | 5.04  |       | 3.27  |       | 5.02  | 39.93 | 14.93 |      | 15.85 | 0.05 | 9.82  |        |
| 1953-54 ..                 | 173.45 | 178.01 | 164.43 | 2.17 | 12.16  | 5.84  | 6.32  | 961   | 9.87  | 1,321 | 11.24 | 59.90 | 15.39 | 0.03 | 31.01 | 0.39 | 8.53  | 23.94  |
|                            |        | 94.82  | 94.82  | 1.25 | 7.01   | 3.37  | 3.94  |       | 5.66  |       | 6.48  | 34.54 | 8.87  | 0.02 | 17.88 | 0.22 | 4.92  | 16.68  |
| <i>Departmental Total.</i> |        |        |        |      |        |       |       |       |       |       |       |       |       |      |       |      |       |        |
| 1951-52 ..                 | 410.39 | 255.40 | 240.17 | 5.47 | 37.10  | 13.47 | 23.63 | 3,133 | 26.31 | 6,358 | 16.54 | 48.15 | 55.70 | 0.26 | 64.79 | 0.63 | 15.23 | ..     |
|                            |        | 62.20  | 58.50  | 1.30 | 8.00   | 3.80  | 5.70  |       | 6.40  |       | 4.00  | 11.70 | 13.60 |      | 15.80 |      | 3.60  |        |
| 1952-53 ..                 | 431.45 | 312.22 | 300.94 | 5.80 | 41.84  | 10.64 | 31.20 | 3,575 | 26.52 | 3,604 | 14.85 | 61.94 | 91.36 | 0.59 | 70.88 | 1.20 | 11.28 | ..     |
|                            |        | 72.40  | 69.80  | 1.20 | 9.70   | 2.40  | 7.30  |       | 6.10  |       | 8.40  | 14.40 | 21.20 | 0.10 | 16.30 | 0.30 | 2.60  |        |
| 1953-54 ..                 | 450.51 | 437.26 | 430.87 | 5.88 | 47.04  | 19.00 | 28.04 | 4,029 | 32.52 | 3,671 | 19.44 | 72.72 | 75.93 | 0.17 | 77.87 | 1.64 | 6.89  | 119.94 |
|                            |        | 39.66  | 39.66  | 1.22 | 9.79   |       | 5.84  |       | 6.77  |       | 4.04  | 15.13 | 15.80 | 0.03 | 16.21 | 0.34 | 1.33  | 24.96  |

N.B.—(1) The denominator gives the percentage of expenditure to gross revenue.

(2) Figures under columns (3) and (4) in 1953-54 include interest charges.

*Departmental Total.*

|            |        |        |        |      |       |        |       |       |       |       |       |       |       |      |       |       |        |        |
|------------|--------|--------|--------|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|--------|--------|
| 1951-52 .. | 410.39 | 255.40 | 240.17 | 6.47 | 37.10 | -13.47 | 23.63 | 3,133 | 26.81 | 6,658 | 16.54 | 48.15 | 55.70 | 0.26 | 64.79 | -0.63 | 15.23  | ..     |
|            |        | 62.20  | 58.50  | 1.30 | 8.00  | -3.50  | 5.70  |       | 6.40  |       | 4.00  | 11.70 | 13.60 | ..   | 15.80 | ..    | 3.60   | ..     |
| 1952-53 .. | 431.45 | 312.22 | 300.94 | 5.80 | 41.84 | -10.64 | 31.20 | 3,575 | 28.52 | 3,604 | 14.85 | 61.94 | 91.36 | 0.59 | 70.88 | -1.20 | -11.28 | ..     |
|            |        | 72.40  | 69.80  | 1.20 | 9.70  | -2.40  | 7.30  |       | 6.10  |       | 3.40  | 14.40 | 21.20 | 0.10 | 16.30 | -0.30 | -2.60  | ..     |
| 1953-54 .. | 480.51 | 437.26 | 430.87 | 5.88 | 47.04 | 19.00  | 28.04 | 4,029 | 32.52 | 3,671 | 19.44 | 72.72 | 75.93 | 0.17 | 77.87 | -1.64 | 6.39   | 119.04 |
|            |        |        |        |      |       |        |       |       |       |       |       | 15.18 | 15.90 | 0.03 | 16.21 | -0.84 | 1.33   | 24.96  |

## STATEMENT SHOWING COST OF OPERATION AND MAINTENANCE EXPENSES AS A PERCENTAGE ON REVENUE PER UNIT SOLD.

## HYDRO AREAS.

| System.   | (1) | (2)      | O & M: O.S.S. and Establishment expenses as a percentage on revenue per unit sold. |                        |                                     |                                              | Revenue realized per unit from miscellaneous revenue other than interest on securities. |                           |                                              |      |
|-----------|-----|----------|------------------------------------------------------------------------------------|------------------------|-------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|------|
|           |     |          | Operation and maintenance.                                                         |                        | O.S.S.                              |                                              | Establishment.                                                                          |                           | Cost per unit sold including interest.       | (14) |
|           |     |          | Units sold to consumers (lakhs of units).                                          | Revenue per unit sold. | Expenses, Cost, anna per unit sold. | Percentage of cost to Revenue per unit sold. | Expenses in lakhs of rupees.                                                            | Cost, anna per unit sold. | Percentage of cost to Revenue per unit sold. |      |
| 1048-49—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 1,808-88 | 0.54                                                                               | 0.060                  | 11.1                                | 9.3                                          | 8.74                                                                                    | 0.075                     | 13.9                                         | ..   |
| Mettur    | ..  | 1,397-78 | 0.68                                                                               | 0.105                  | 15.4                                | 9.9                                          | 8.84                                                                                    | 0.101                     | 16.3                                         | ..   |
| Papanasam | ..  | 787-17   | 0.56                                                                               | 0.087                  | 15.5                                | 9.1                                          | 4.46                                                                                    | 0.093                     | 16.6                                         | ..   |
| 1049-50—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 1,666-74 | 0.73                                                                               | 0.086                  | 11.8                                | 9.3                                          | 9.98                                                                                    | 0.095                     | 13.0                                         | ..   |
| Mettur    | ..  | 1,551-10 | 0.68                                                                               | 0.109                  | 14.6                                | 10.1                                         | 9.89                                                                                    | 0.102                     | 15.0                                         | ..   |
| Papanasam | ..  | 821-99   | 0.68                                                                               | 0.088                  | 12.2                                | 8.8                                          | 5.36                                                                                    | 0.143                     | 21.0                                         | ..   |
| 1050-51—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 1,757-79 | 0.76                                                                               | 0.092                  | 12.3                                | 9.3                                          | 10.72                                                                                   | 0.098                     | 13.1                                         | ..   |
| Mettur    | ..  | 1,820-75 | 0.67                                                                               | 0.154                  | 23.3                                | 9.7                                          | 11.22                                                                                   | 0.099                     | 14.8                                         | ..   |
| Papanasam | ..  | 882-41   | 0.73                                                                               | 0.072                  | 9.9                                 | 11.1                                         | 6.48                                                                                    | 0.126                     | 17.1                                         | ..   |
| 1051-52—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 2,405-14 | 0.74                                                                               | 0.09                   | 12.16                               | 6.76                                         | 12.08                                                                                   | 0.08                      | 10.81                                        | 0.02 |
| Mettur    | ..  | 2,248-52 | 0.70                                                                               | 0.15                   | 21.43                               | 8.57                                         | 11.78                                                                                   | 0.09                      | 12.85                                        | 0.07 |
| Papanasam | ..  | 1,256-74 | 0.68                                                                               | 0.17                   | 25.00                               | 8.82                                         | 7.70                                                                                    | 0.10                      | 14.71                                        | 0.03 |
| 1052-53—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 3,012-66 | 0.60                                                                               | 0.11                   | 18.33                               | 8.33                                         | 13.93                                                                                   | 0.07                      | 11.66                                        | 0.03 |
| Mettur    | ..  | 2,154-60 | 0.75                                                                               | 0.28                   | 37.33                               | 8.00                                         | 12.39                                                                                   | 0.09                      | 12.00                                        | 0.05 |
| Papanasam | ..  | 1,060-90 | 0.79                                                                               | 0.25                   | 31.65                               | 8.87                                         | 8.20                                                                                    | 0.12                      | 15.19                                        | 0.04 |
| 1053-54—  |     |          |                                                                                    |                        |                                     |                                              |                                                                                         |                           |                                              |      |
| Pykara    | ..  | 2,569-48 | 0.75                                                                               | 0.12                   | 16.00                               | 8.00                                         | 16.58                                                                                   | 0.09                      | 12.00                                        | 0.04 |
| Mettur    | ..  | 2,476-89 | 0.69                                                                               | 0.26                   | 37.68                               | 5.80                                         | 12.17                                                                                   | 0.08                      | 11.59                                        | 0.06 |
| Papanasam | ..  | 1,141-95 | 0.79                                                                               | 0.20                   | 36.71                               | 10.13                                        | 9.84                                                                                    | 0.14                      | 17.72                                        | 0.06 |

## THERMAL AREAS.

|          |    |          |      |       |       |      |       |       |      |      |
|----------|----|----------|------|-------|-------|------|-------|-------|------|------|
| 1948-49— | .. | 835-23   | 1.51 | 0.015 | 14.9  | 6.2  | 8.05  | 0.156 | 10.3 | ..   |
| Madras   | .. |          |      |       |       |      |       |       |      |      |
| 1949-50— | .. | 854-91   | 1.63 | 1.033 | 13.7  | 5.4  | 9.03  | 0.169 | 10.1 | ..   |
| Madras   | .. |          |      |       |       |      |       |       |      |      |
| 1950-51— | .. | 940-19   | 1.81 | 1.070 | 17.9  | 4.5  | 9.51  | 0.162 | 8.95 | ..   |
| Madras   | .. |          |      |       |       |      |       |       |      |      |
| 1951-52— | .. | 1,208-87 | 1.84 | 0.96  | 52.17 | 3.80 | 11.01 | 0.14  | 7.61 | 0.06 |
| Madras   | .. |          |      |       |       |      |       |       |      |      |
| 1952-53— | .. | 1,460-87 | 1.79 | 1.09  | 60.90 | 3.35 | 12.57 | 0.15  | 8.38 | 0.06 |
| Madras   | .. |          |      |       |       |      |       |       |      |      |
| 1953-54— | .. | 1,508-09 | 1.82 | 0.92  | 50.55 | 6.04 | 14.38 | 0.15  | 8.24 | 0.12 |
| Madras   | .. |          |      |       |       |      |       |       |      |      |

NOTE.—Col. 3.—“Revenue per unit sold” represents gross revenue per unit sold including miscellaneous revenue.  
Col. 13.—“Cost per unit sold” represents gross cost per unit sold including interest.

| Working expenses.                                                                     | RS. IN<br>LAKHS. | Gross receipts.                | RS. IN<br>LAKHS. |
|---------------------------------------------------------------------------------------|------------------|--------------------------------|------------------|
| Operation and maintenance expenses on generation, transmission and distribution .. .. | 180              | Revenue by sale of power .. .. | 437              |
| Administration and general charges .. ..                                              | 53               | Miscellaneous revenue .. ..    | 44               |
| Contribution to reserve funds ..                                                      | 78               |                                |                  |
| Excess receipts over expenditure ..                                                   | 170              |                                |                  |
| Total ..                                                                              | 481              | Total ..                       | 481              |

The interest rates to be charged as ordered by Government from year to year were as follows:—

|                 |      |                 |      |
|-----------------|------|-----------------|------|
| 1933-34 .. .. . | 5.38 | 1943-44 .. .. . | 4.25 |
| 1934-35 .. .. . | 5.12 | 1944-45 .. .. . | 4.25 |
| 1935-36 .. .. . | 4.94 | 1945-46 .. .. . | 4.25 |
| 1936-37 .. .. . | 4.50 | 1946-47 .. .. . | 4.0  |
| 1937-38 .. .. . | 4.35 | 1947-48 .. .. . | 4.0  |
| 1938-39 .. .. . | 4.25 | 1948-49 .. .. . | 4.0  |
| 1939-40 .. .. . | 4.25 | 1949-50 .. .. . | 4.0  |
| 1940-41 .. .. . | 4.75 | 1950-51 .. .. . | 4.25 |
| 1941-42 .. .. . | 4.75 | 1951-52 .. .. . | 4.75 |
| 1942-43 .. .. . | 4.50 | 1952-53 .. .. . | 4.75 |

The interest chargeable to operation during the year at 5.25 per cent comes to Rs. 110 lakhs.

The interest chargeable to construction at 5.25 per cent comes to Rs. 145 lakhs.

The interest accumulations up to end of 1952-53 amounted to Rs. 808 lakhs in the Department.

The details for investment from the special and depreciation reserve contributions are given in Appendix M.

A comparative statement of the elements of operation and maintenance expenses of the Department in relation to gross revenue faces page 9.

Details of staff employed under the various categories are given in Appendix K.

*Financial completion Report.*—The financial completion report of the Papanasam I Stage finalized after check by the Accountant-General was approved by the Government.

*Voluntary loan contribution.*—During the year Government accepted voluntary loan contributions from prospective consumers to the extent of Rs. 25 lakhs to meet the capital cost of extensions. However, as response from the public to the scheme was not encouraging it was withdrawn during the second half of the year.

*Consumers bills.*—About one-third of the consumers' accounts has been machanised in Madras and Pykara Electricity Systems.

*Revision of tariff.*—The revision of tariffs with reference to the increase in cost of operation and maintenance expenses and investment of additional capital was under examination.

*Audit.*—The monthly accounts of the Construction Circle and Operating Systems were reviewed on the due dates and the audit notes of the Accountant-General disclosed objections mainly under (1) excess over estimates and (2) want of stamped acknowledgments. Systematic action has been taken to clear these items by introduction of special progress reports.

The periodical inspection and test audit of the accounts were carried by the Accountant-General as follows :—

Pykara—November 1953.

Mettur—January 1954.

Papanasam—September 1953.

Madras—November 1953.

General Construction Circle—October 1953 and March 1954.

There were 54 stores (7 central and 47 sub-stores) with materials worth about Rs. 406 lakhs. All the stores were verified by independent stock verifiers during the year. A statement showing the reserve limit for each of the systems and actuals (March preliminary) is given below :—

| Name of system or circle.                     | Number of stores. |            | Reserve limit.   | Actuals.         |
|-----------------------------------------------|-------------------|------------|------------------|------------------|
|                                               | Central.          | Sub-store. |                  |                  |
| (1)                                           | (2)               | (3)        | (4)              | (5)              |
|                                               |                   |            | RUPEES IN LAKHS. | RUPEES IN LAKHS. |
| 1 Pykara Electricity System .. ..             | 1                 | 14         | 92               | 70.34            |
| 2 Mettur Electricity System .. ..             | 1                 | 8          | 118              | 106.77           |
| 3 Papanasam Electricity System .. ..          | 1                 | 11         | 108.51           | 78.21            |
| 4 Madras Electricity System (Generation) ..   | 2                 | 8          | 26               | 118.18           |
| 5 Madras Electricity System (Distribution). } |                   |            | 94               |                  |
| 6 General Construction Circle .. ..           | 2                 | 6          | 19               | 23.87            |
|                                               | 7                 | 47         | 457.51           | 397.37           |

The balance sheet showing the commercial operation of the Department for 1952-53 is appended to the Report as Appendix J.

A statement indicating how far work is kept up to schedule (the percentage of work to sanctioned appropriation) is given in Appendix N.

## SECTION II—DETAILED REPORT.

### CONSTRUCTION ACTIVITIES.

18. *General.*—The General Construction Circle continued to be under the control of the Chief Construction Engineer (Electricity) until 1st October 1953 when consequent on the formation of the Andhra State the Chief Construction Engineer's (Electricity) post was kept in abeyance and the Superintending Engineer, General Construction Circle, was placed directly under the control of the Chief Engineer for Electricity. The Construction Circle was in charge of all major construction works except the work relating to the Madras Plant Extensions which was in charge of the Superintending Engineer (Generation), Madras Electricity System, under the control of the Chief Operation Engineer (North).

Capital expenditure on all constructional works during the year amounted to Rs. 2.34 crores.

The following were the salient features in the construction activities :—

(i) *Madurai Thermal Scheme.*—The 10,000 KW. turbo alternator set and the two Steinmuller Boilers each of 55,000 lbs./hr. capacity were erected and commissioned during the year.

(ii) *Madras Plant Extensions.*—The third boiler of 80,000 lbs./hr. capacity under the first Stage was commissioned. The 15 M.W. Turbo Alternator set which failed on 26th March 1953 was also recommissioned in August 1953 thus bringing the first stage extensions to completion.



MADURAI THERMAL STATION—VIEW OF THE TWO STEINMULLER BOILERS (NEWLY ERECTED).

(iii) The following transmission lines were completed :—

- (a) Madurai-Sivaganga 66 KV. line.
- (b) Madurai-Tirumangalam-Rajapalayam-Tenkasi 66 KV. line.
- (c) Papanasam-Tirunelveli-Kayattar 66 KV. line.
- (d) Erode-Tiruchi-Dalmia Extensions.

19. *New Scheme sanctioned.*—There was only one major scheme sanctioned during the year, viz., Singarapet-Villupuram 110 KV. and Singarapet-Vellore-Arni 66 KV. lines. This scheme is for erection of a single circuit 110 KV. line from Singarapet-Villupuram with 110/66 KV. sub-section at Villupuram, a second circuit 66 KV. line from Singarapet-Vellore and change over of the existing Tiruvannamalai-Arni line from 33 to 66 KV and linking of Arni and Vellore sub-stations, costing Rs. 98.430 lakhs initially and rising to Rs. 107.72 lakhs ultimately. An estimate for Rs. 7.72 lakhs initially rising to Rs. 12.3 lakhs for increase of transformer capacity at Tiruppattur, Karur and Erode and another for Rs. 1.26 lakhs rising to Rs. 2.29 lakhs for increase in transformer capacity at Cannanore were also sanctioned.

20. *Schemes in progress.*—The following major construction works were in progress :—

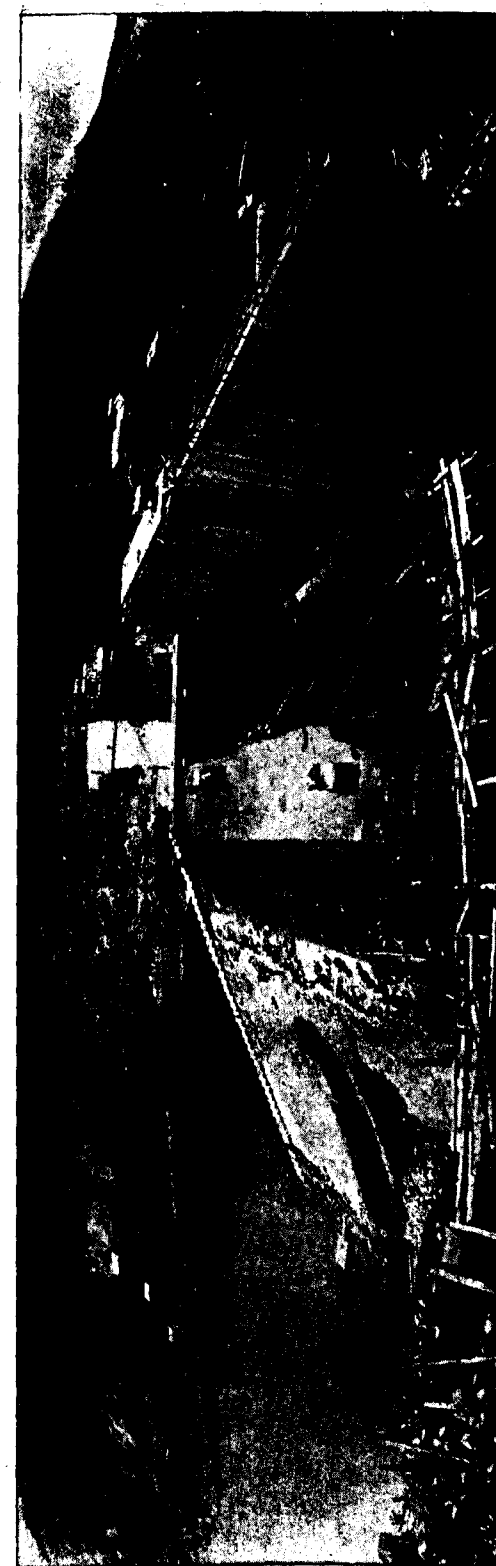
|                                                                                                        | Estimated cost.     |                     |
|--------------------------------------------------------------------------------------------------------|---------------------|---------------------|
|                                                                                                        | Initial.            | Ultimate.           |
|                                                                                                        | RUPEES<br>IN LAKHS. | RUPEES<br>IN LAKHS. |
| (1) Pykara Plant Extensions III Stage .. .. .                                                          | 320.35              | 489.35              |
| (2) Madurai Thermal Scheme .. .. .                                                                     | 131.60              | 131.60              |
| (3) Madras Plant Extensions .. .. .                                                                    | 315.30              | 955.77              |
| (4) Pykara-Coimbatore-Madurai 110 KV. Extensions ..                                                    | 99.00*              | ..                  |
| (5) Negamam-Pollachi 66 KV. line .. .. .                                                               | 16.36               | 21.0                |
| (6) Extension of power to South Kanara from Jog Hydro-<br>Electric Scheme of Mysore Government .. .. . | 70.30               | 88.0                |

\* Included under Pykara Plant Extensions III Stage.

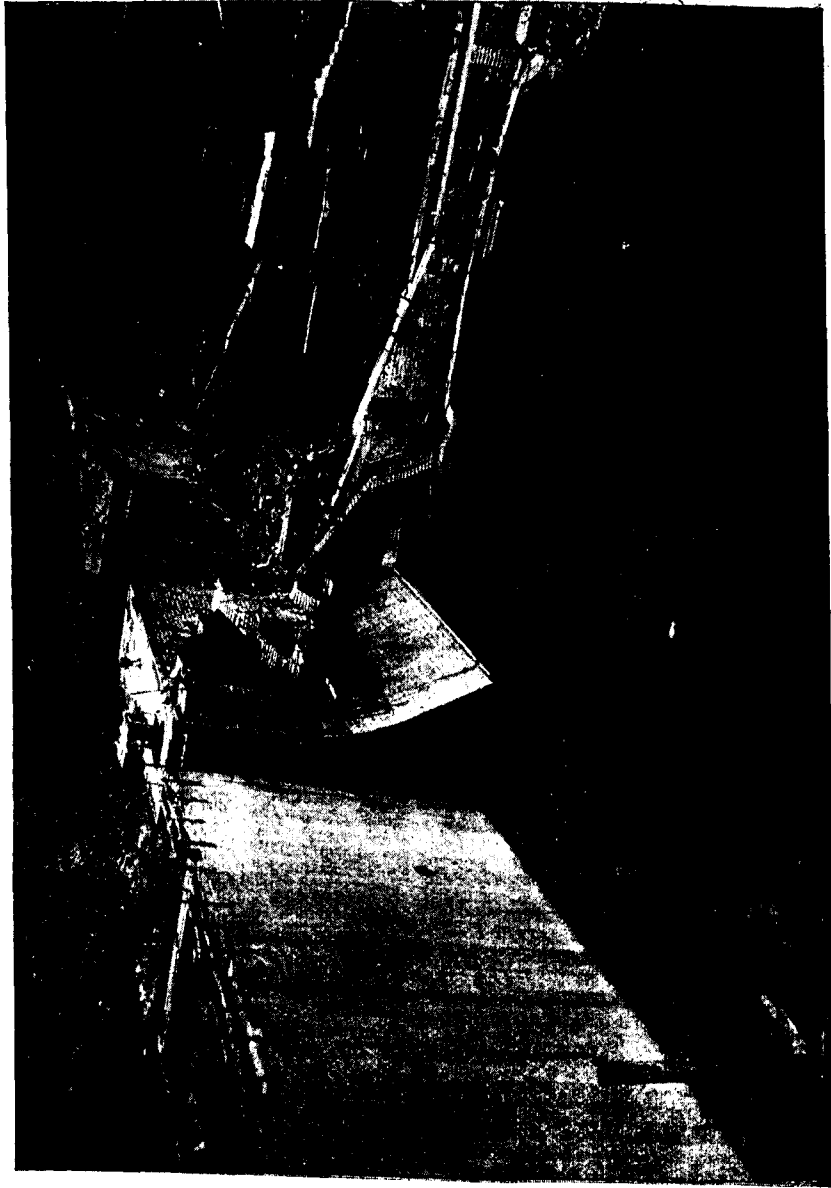
(1) *Pykara Plant Extensions III Stage.*—(a) *Pykara Dam.*—Excavation for foundation for all works and drilling operations were completed. Masonry for main dam was completed about 60 per cent, the upstream wingwall 95 per cent, and the entire downstream wingwall completed. About 45 per cent of the earthbund on the right flank had been completed and the R.C.C. core wall and diaphragm wall concreting was in progress.

(b) *Singara Power-house.*—Arrangements for testing No. 4 pen-stock have been completed. All works relating to the extension of Singara Power House have been completed except certain minor works. Erection of the 6th and the 7th turbines was completed. The step-up transformers were kept ready at the yard after cleaning and painting while their cores and coils were being cleaned and dried. Erection of No. 6 generator was nearing completion while control cables and power cables were being laid. The rotor for No. 7 generator was ready for threading into the stator.

(2) *Madurai Thermal Scheme.*—The 2 Nos. 55,000 lb. per hour boilers erected under the supervision of German Erectors were ready for commissioning by the last week of February 1954. No. 1 boiler was commissioned on 13th March 1954 and is on range taking a load of about 40,000 lb. per hour. Boiler No. 2 was also commissioned on 26th March 1954. The boilers were programmed to be tested in April 1954. Welding of daily oil storage tank was completed. The work of providing the double rocking slide arrangement in Babcock and Wilcox Boiler No. 3 has been 90 per cent completed.



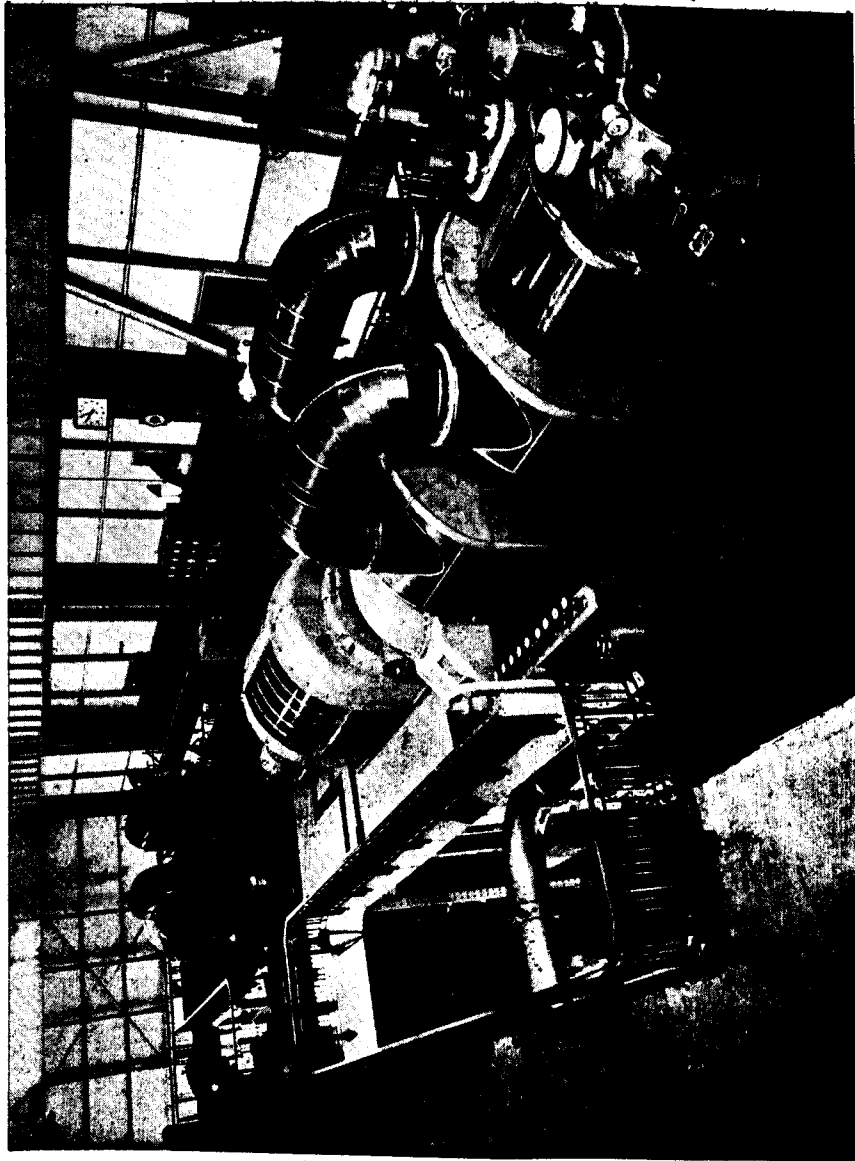
VIEW OF PYKARA DAM FROM RIGHT FLANK SHOWING THE COREWALL AND EARTH BUND IN FORMATION ON THE UPSTREAM SIDE.  
THE LAKE FORMED BY THE RESERVOIR IS SEEN ON LEFT.



V  
I  
E  
W  
O  
F  
P  
Y  
K  
A  
R  
A  
D  
A  
M  
F  
R  
O  
M  
R  
I  
G  
H  
T  
F  
L  
A  
N  
K  
S  
H  
O  
W  
I  
N  
G  
C  
O  
R  
E  
W  
A  
L  
L  
O  
N  
L  
E  
F  
T  
,  
D  
O  
W  
N  
S  
T  
R  
E  
A  
M  
B  
U  
N  
D  
A  
T  
T  
H  
E  
B  
O  
T  
T  
O  
M  
A  
N  
D  
T  
H  
E  
S  
P  
I  
L  
L  
W  
A  
Y  
I  
N  
M  
I  
D  
D  
L  
E  
R  
I  
G  
H  
T.



B  
A  
S  
I  
N  
B  
R  
I  
D  
G  
E  
'  
B  
'  
S  
T  
A  
T  
I  
O  
N  
—  
A  
C  
L  
O  
S  
E  
V  
I  
E  
W  
O  
F  
T  
H  
E  
1  
5  
M  
W.  
T  
U  
R  
B  
O  
A  
L  
T  
E  
R  
N  
A  
T  
O  
R  
U  
N  
D  
E  
R  
E  
R  
E  
C  
T  
I  
O  
N  
U  
N  
D  
E  
R  
T  
H  
E  
I  
I  
S  
T  
A  
G  
E  
E  
X  
T  
E  
N  
S  
I  
O  
N  
S.



BASIN BRIDGE 'B' STATION—VIEW OF THE 15 MW. ENGLISH ELECTRIC COMPANY—TURBO ALTERNATOR—COMMISSIONED UNDER THE I STAGE EXTENSIONS.

The construction of 29 residential quarters at Samayanallur Power House was in progress. The construction work has reached basement level and the work on superstructure was in hand.

(3) *Madras Plant Extensions I and II Stage.*—With the commissioning of the third 80,000 lb. boiler and the 15 M.W. Turbo Alternator at 'B' Station, the I Stage extensions were practically completed. The few outstanding minor items were expected to be completed during the next few months. Under the II Stage, out of the two boilers to be erected the erection of one was practically completed. The site for the other boiler was being cleared of the old 15,000 lb. hour boilers for starting piling work. This boiler is expected to be commissioned by the end of 1955. The 15 M.W. Turbo Alternator under the Stage is expected to be commissioned in September 1954.

(4) *Pykara-Coimbatore-Madurai 110 KV Extension.*—(a) *Pykara-Coimbatore 110 KV. Reach.*—Stub-setting work in "hill" section and stringing in "plain" section were in progress. Sixty-five per cent tree clearance, 65 per cent concreting, 32 per cent tower erection, 42 per cent earthing and 5 per cent stringing in the hill section were completed. Tower erection and stringing in the plain section were completed. The entire line work is programmed to be completed by September 1954.

(b) *Coimbatore-Madurai Reach.*—This has been completed in all respects except three spans requiring special towers.

(5) *Negamam-Pollachi 66 KV line.*—The entire length of the transmission line was completed. A temporary sub-station at Pollachi was established and the 66 KV. line and 3000 KVA. 66/22 KV A.C. E.C. power transformer at Pollachi sub-station were commissioned on 28th February 1954.

(6) *South Kanara Scheme.*—Agreement for the supply of bulk power from Jog Falls to South Kanara district was concluded with the Mysore Government. A division for executing the works was formed at Mangalore in November 1953. On the 110 KV. line from Hulikal to Mangalore, 76 per cent tree cutting, 30 per cent stub setting and 6 per cent tower erection were completed while in respect of Udipi-Hiriadka-Karkala 33 KV. lines, ninety-five per cent tree cutting and 20 per cent of erection of poles were completed.

21. *Construction Programme for 1954-55.*—(1) *Pykara Plant Extensions III Stage—Pykara Dam.*—Masonry in dam works in respect of Section III and filling up of earth bund, upstream wing wall will be in progress.

*Power-house.*—Nos. 6 and 7 turbines and machines will be put into commission.

(2) *Madurai Thermal Scheme.*—Works relating to additional railway siding, construction of additional residential quarters at Samayanallur, construction of additional well for cooling water, laying of duplicate water main from Vaigai river and erection of main oil storage tank for oil firing will be in progress.

(3) *Madras Plant Extensions 'B' Station II Stage.*—The work under this stage will be in full swing during the year.

(4) *Pykara-Coimbatore-Madurai 110 KV. line.*—Thudiyalur switching station quarters would be taken up. Balance works under Coimbatore-Madurai 110 KV. line and Pykara-Coimbatore 110 KV. line erection will be completed.

(5) *Negamam-Pollachi 66 KV. line.*—The permanent sub-stations at Negamam and Pollachi will be completed on receipt of certain balance equipments.

(6) *South Kanara Extension Scheme*.—Construction of Udipi-Hiriadka-Karkala 33 KV. lines would be completed. Construction of Hiriadka-Coondapur 33 KV. line and works on all sub-stations would be in progress. The erection of 110 KV. line will be completed.

(7) *Erode sub-station*.—Erection of equipments, etc., at Erode sub-station and erection of third power transformer, etc., at Salem will be completed. Laying of transformer track at Salem, construction of Assistant Engineer's office, repair house, permanent store shed, mulsifyre protection system, oil drainage system and fire protection walls between auto transformers at Erode sub-station will be completed.

(8) *Madurai-Sivaganga line*.—Erection of telephone line will be completed.

(9) *Madurai-Tirumangalam-Rajapalayam-Tenkasi line*.—Construction of quarters at Rajapalayam, Tenkasi and Pasumalai would be completed ; erection of telephone lines will also be completed.

22. *Audit, Accounts and Stores*.—The accounts of the General Construction Circle were audited by the Accountant-General, Madras, in April and October 1953. There are at present eight stores in this circle comprising two central stores, one at Samayanallur and another at Moyar and six sub-stores. The reserve limit of stock for the year was Rs. 19 lakhs.

23. *Accidents*.—There were sixty-seven non-electrical accidents—twenty of which occurred in General Construction Circle while forty-seven accidents occurred in Generation Circle, Madras Electricity System. Compensation amounting to Rs. 4,117-6-3 was paid in respect of some of the accidents.

24. *Organization*.—The Moyar Construction Circle was closed down in July 1953 consequent on the completion of construction works at Moyar. On the conclusion of the agreement with the Mysore State for supply of power to South Kanara district work on the South Kanara extensions which had previously been suspended was resumed and the division was revived in October 1953.

#### TECHNICAL BRANCH.

25. *General*.—The technical branch comprising two circles, one electrical and other civil, continued to be busy with the preparation of designs estimates, study of technical problems, investigations and hydro-metric surveys and preparation of scheme reports and issue of specifications :—

Reports in respect of the following new major schemes were prepared and sent to Government for sanction :—

|                                                                                    | Initial cost.<br>RUPEES IN<br>LAKHS. | Ultimate cost.<br>RUPEES IN<br>LAKHS. |
|------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|
| (a) Change over of Erode-Tiruchi 66/110 KV. 3rd circuit line to 110 KV. operation. | 18.26                                | 18.26                                 |
| (b) Increase of transformer capacity at Tiruppattur, Karur and Erode.              | 7.72                                 | 12.33                                 |
| (c) Increase of transformer capacity at Cannanore .. ..                            | 1.26                                 | 2.29                                  |
| (d) Improvement scheme for Rameswaram Distribution. ..                             | 2.60                                 | ..                                    |

Revised scheme reports were prepared and sent to Government for the following schemes :—

|                                                                 | Initial cost.<br>RUPEES IN<br>LAKHS. | Ultimate cost.<br>RUPEES IN<br>LAKHS. |
|-----------------------------------------------------------------|--------------------------------------|---------------------------------------|
| (a) Kundah Hydro-Electric Scheme .. .. .                        | 2,599.89                             | 3,544.01                              |
| (b) Coimbatore-Madukarai-Palghat Extensions .. .. .             | 37.17                                | 39.65                                 |
| (c) Increase of transformer capacity at Kayattar and Tuticorin. | 5.24                                 | 9.99                                  |

The scheme for single circuit 110 KV. line from Singarapet-Villupuram with 110/66 KV. sub-station at Villupuram, second circuit 66 KV. line from

Singarapet-Vellore and changeover of the existing Tiruvannamalai-Arni line from 33 to 66 KV. linking of Arni and Vellore sub-stations, costing Rs. 98.430 lakhs initially and rising to Rs. 107.72 lakhs ultimately was among the schemes sanctioned during the year.

The following revised estimates among others were sanctioned during the year :—

|                                                    | Initial cost.<br>RUPEES IN<br>LAKHS. | Ultimate cost.<br>RUPEES IN<br>LAKHS. |
|----------------------------------------------------|--------------------------------------|---------------------------------------|
| (a) Madras Plant Extension Scheme .. .. .          | 315.30                               | 955.77                                |
| (b) Tanjore-Mayuram-Chidambaram Extensions .. .. . | 36.67                                | ..                                    |

The following were the more important of the specifications issued during the year :—

(1) *Electrical.*—

- (a) Specification for the sale of 4 Nos. old Boilers and 2 Nos. turbo sets at 'A' Station of the Madras Power House.
- (b) Salem-Namakkal 110 KV. Extensions—Sub-stations.
- (c) Salem-Namakkal 110 KV. Extensions and Somanur-Puliampatti 66 KV. Extensions—Transmission lines.
- (d) Requirements of the various operating systems for Power and Distribution transformers, Annealed tinned copper binding wire, A.C.S.R. and copper conductors, second hand rail poles, H.T. insulators, cables and power transformers for Kancheepuram.
- (e) Remodelling of Madras System Distribution—Sub-station equipment.

During the year the Technical (Electrical) branch of the department participated in the All-India Khadi, Swadeshi and Industrial Exhibition held at Teynampet, Madras, from 23rd December 1953 to 7th February 1954.

(2) *Civil.*—

- (a) Madurai Thermal Scheme II Stage Extensions—Construction of coal elevator pit.
- (b) Madurai Thermal Scheme—Construction of firing platform around 2 Nos. Steinmuller boilers and chimney and basement floor in boiler room.
- (c) Basin Bridge 'B' Power Station II Stage Extensions—Construction of R.C.C. foundation slab.

The following are some of the more important contracts placed during the year :—

|                                                                                                                        | RUPEES<br>IN LAKHS. |
|------------------------------------------------------------------------------------------------------------------------|---------------------|
| (a) Contract for the supply of coal for the Basin Bridge Power House .. .. .                                           | 10.98               |
| (b) Contract for the supply of insulators required for Salem-Namakkal and Somanur-Puliampatti lines .. .. .            | 1.09                |
| (c) Contract for the supply of A.C.S.R. conductors for Salem-Namakkal 110 KV. line .. .. .                             | 3.34                |
| (d) Contract for the supply of additional switchgear for Erode sub-station .. .. .                                     | 1.43                |
| (e) Contract for the supply of switchgear for Rasipuram and Namakkal 110 KV. sub-station .. .. .                       | 3.03                |
| (f) Madras Plant Extensions II Stage—Structural steel work and R.C.C. pile foundation for the V Boiler portion .. .. . | 3.31                |



ELECTRICITY DEPARTMENT STALL IN THE ALL-INDIA KHADI, SWADESHI AND INDUSTRIAL EXHIBITION, 1953-54.

In addition to the above, materials for operation and maintenance, execution of rural extensions and spares of the value of Rs. 78.91 lakhs were ordered.

*Rural extensions.*—One hundred and forty-five major and minor extensions estimated to cost about Rs. 150.28 lakhs were scrutinised and sent up for sanction. One hundred and forty-nine major and minor extensions costing about Rs. 96.89 lakhs have so far been sanctioned. Twenty-four numbers major and minor extensions costing Rs. 79.68 lakhs were under scrutiny at the end of the year.

*Hydro-Metric surveys.*—Recording and compilation of rainfall data for the rainfall stations and river flow data for the run-off stations in the various basins under observation in the State continued.

The Hydro-Metric Surveys Division sanctioned has started functioning with effect from 20th March 1954.

#### OPERATING SYSTEMS BRANCH.

26. *General.*—With the partition of Andhra State on 1st October 1953 and the transfer of the Rayalaseema and Andhra Power systems to the newly formed State, this branch had under it (i) four operating systems, viz., Pykara, Mettur and Papanasam (fed by hydro power), Madras (fed by the old thermal station and the transportable power station at Basin Bridge) and (ii) two generation circles one (viz., hydro) with headquarters at Erode in charge of the four hydro (including Moyar hydro-electric station) and one thermal station at Samayanallur and the other (thermal) with headquarters at Madras in charge of the Basin Bridge Power House and construction works under Madras Plant Extensions.

With effect from 1st October 1953, a redistribution of work between the two Chief Operation Engineers was made with the three hydro-electric systems, viz., Pykara, Mettur and Papanasam under the control of the Chief Operation Engineer (South) and the Madras Distribution Circle, Madras Generation Circle (Thermal) and the Generation Circle (Hydro) at Erode under the control of the Chief Operation Engineer (North).

The operation and maintenance of all the operating and generating systems were satisfactory.

The demand for power in the State continued to be ever increasing. As has been repeatedly stressed in previous administration reports unless the Periyar and Kundah Hydro-Electric schemes are taken up immediately, the demand in the State cannot be met satisfactorily.

The year started with a 66½ per cent cut in power consumption in the hydro areas on all but essential consumers imposed at the end of 1952-53 owing to failure of the north-east monsoon in the previous year. The cut was increased to 75 per cent from 16th April 1953. Later, due to some improvement in water conditions in the Hydrel reservoirs in May 1953, the cut in consumption was reduced in stages, viz., from 1st May 1953—60 per cent, 16th May 1953—50 per cent, 16th June 1953—25 per cent and with effect from 5th July 1953 the cut was completely removed. Subsequently, the water position in the various reservoirs of the power stations improved considerably due to timely rains during both the monsoons and for the rest of the year under review, there was no restriction or cut in supply of power

in the summer of 1954. Power cuts were also imposed on non-essential consumers in Madras system as below :—

From 16th April 1953—33½ per cent.

From 1st May 1953—reduced to 20 per cent.

From 16th May 1953—reduced to 10 per cent

From 16th June 1953—Power cut entirely removed.

The ban on connecting new industrial loads with connected loads over 3 H.P. was also removed on 16th July 1953. The Madurai Thermal Station gave good relief during the summer months of April, May and June 1953.

After successive years of failure of monsoon and consequent poor storage in the various reservoirs of the power stations, 1953-54 was an year of good and timely rainfall much to the relief of the Department and the consumers served by it.

Under the Madurai Thermal Scheme, a 10,000 KW. turbo alternator set and two Steinmuller Boilers of 55,000 lb./hr. capacity each were commissioned during the year.

At the 'B' power station Basin Bridge, the third boiler of 80,000 lb./hr. capacity was commissioned. The 15 MW. turbo alternator set which failed on 28th March 1953 was also recommissioned in August 1953.

At Moyar Power House the third 15,000 KVA. power transformer was commissioned satisfactorily in August 1953.

The change over to 110 KV. operation of Mettur Power House and the transmission line from Mettur-Erode and Mettur-Madras was effected on 5th April 1953. One of the two circuits from Mettur to Singarapet is, however, operating at 66 KV.

The B.T.H. make F. & P. and M.V. make A.B.C.Bs. on the Mettur-Moyar 110 KV. lines at Erode sub-station were commissioned.

The following transmission lines were completed :—

(a) Madurai-Sivaganga 66 KV. line.

(b) Madurai-Tirumangalam-Rajapalayam-Tenkasi 66 KV. line.

(c) Papanasam-Tirunelveli-Kayattar 66 KV. line.

(d) Erode-Tiruchi-Dalmia Extensions.

At Udipi Power House two Nos. 5,000 gallon oil storage tanks and two Nos. 250 KVA., 400 V/11 KV. step up power transformer were installed and commissioned during the year. One No. 38 B.H.P. engine with accessories was erected at Karkala station and coupled with the 40 KVA. generator and the set was commissioned in October 1953.

The existing surcharge on tariffs continued to operate in all the operating systems and no new surcharges were levied.

#### (i) GENERATION CIRCLE—HYDRO SYSTEMS.

27. *General.*—The Generation Circle at Erode which was formed in 1951-52 was in charge of four hydro-power stations—Pykara, Moyar, Mettur, Papanasam and the Madurai Thermal Station.

At the Madurai Thermal Station, one 10,000 KW. turbo alternator set and two Steinmuller Boilers each of 55,000 lb./hr. capacity were commissioned during the year. In August 1953, the third 15,000 KVA. power transformer was commissioned satisfactorily at Moyar Power House. The operation and maintenance of the Pykara, Moyar, Mettur, Papanasam hydro power stations and the Madurai Thermal Station at Samayanallur, the receiving station at Erode and the Kattabettu sub-station under the control of this circle were satisfactory.

The simultaneous demand on hydro systems was 113,400 KW. compared to 102,300 KW. in 1952-53.

Judging from the rainfall and inflows in the various reservoirs of the power stations, the year under review was fairly a good year and compares well with the good years in the past. The inflows in Mukurti Reservoir were satisfactory and the water level reached the maximum. The water level in Mettur Dam which was not satisfactory at the beginning of the year improved considerably and rapidly from the first week of July 1953 and the reservoir was full from 6th August 1953. The highest level reached was 793.05 feet on 20th August 1953 (three feet above the F.R.L.). The water position at Papanasam which was also bad at the beginning improved considerably during both the monsoons. The reservoir got full in January 1954 after a lapse of three years.

The power demands of the three hydro systems totalled 120,800 KW. against 113,000 KW. in 1952-53. The energy generated in the hydro systems and the Madurai Thermal Station amounted to 604.354 million units. Details are furnished hereunder :—

| Name of system or power station. | System demand in KW. | Station demand in KW. | Total generation in millions of units for the year. |
|----------------------------------|----------------------|-----------------------|-----------------------------------------------------|
| (1)                              | (2)                  | (3)                   | (4)                                                 |
| Pykara system .. .. .            | 50,200               | 44,000                | 199.4880                                            |
| Moyar .. .. .                    | ..                   | 36,000                | 85.9020                                             |
| Mettur system .. .. .            | 48,300               | 42,300                | 193.2772                                            |
| Papanasam system .. .. .         | 22,300               | 28,000                | 98.1783                                             |
| Madurai thermal station .. .. .  | ..                   | 8,600                 | 27.5086                                             |
| Total ..                         | 120,800              | 158,900               | 604.3541                                            |

All the four hydro stations were working in parallel throughout the year. In addition they were running in parallel with the Madras Station through the Madras-Mettur Inter-connection. The Madurai Thermal Station gave full relief during April, May and June 1953. Due to satisfactory inflows in the hydro stations, thermal relief was not required by the hydro stations during the period July 1953 to January 1954.

28. *Pykara Station—General.*—During this the twenty-first year of operation of this station the operation of the station was satisfactory. The station peak reached 44,000 KW. The Pykara System peak reached 50,200 KW. and 199.488 million units were generated during the year. The station was running in parallel throughout the year with the other hydro and thermal stations in the grid.

*Water conditions.*—The water storage at Mukurti reservoir and the total rainfall in inches in the catchment area of the Pykara System during the year under review and the previous year are furnished hereunder :—

|                               | 1952-53.         | 1953-54.        |
|-------------------------------|------------------|-----------------|
| Maximum level reached .. .. . | 6,881.07 ft.     | 6,884.0 ft.     |
| Storage .. .. .               | 1,683.59 m.c.ft. | 1,793.0 m.c.ft. |
| Total rainfall in inches—     |                  |                 |
| Glenmorgan .. .. .            | 48.64            | 88.39           |
| Mukurti .. .. .               | 52.78            | 113.37          |

*Power house.*—All the equipments in the power house were giving satisfactory service.

29. *Moyar Station.*—This is the second year of operation of this station and the operation was satisfactory. The peak load of the station reached 36,000 KW. on 3rd November 1953 which is the full capacity of the station.

The third 15,000 KVA. transformer was commissioned into service satisfactorily on 15th August 1953.

30. *Mettur Power Station—General.*—This is the seventeenth year of operation of the station which was in satisfactory service during the year under review. The station peak was 42,300 KW. compared to 31,400 KW. in 1952-53 and the system peak was 48,300 KW. compared to 45,900 KW. in the previous year. The total number of units generated during the year was 193.277 millions against only 137.620 millions in 1952-53. Due to improvement in water position generation in the station was extremely good as compared to the lean years from 1946.

*Water conditions.*—The water position in the lake was very good throughout the year except for the months of April, May and June 1953. The reservoir was full on 6th August 1953 and there was further rise in the lake level which reached its highest, viz., 793.05 feet (capacity 98,320 m.c.ft.) on 20th August 1953. Due to continued good inflows, the reservoir maintained its full level till 6th November 1953 in spite of heavy irrigation discharge. The level stood at 750.8 feet on 10th February 1954 when the irrigation discharge was closed. The level on 31st March 1954 was 748.48 feet.

*Power house.*—The operation and maintenance of the machines were satisfactory. The overhaul of No. 1 unit was taken up and completed. The station was running throughout the year in parallel with other stations obtaining relief when necessary.

Under the Madras-Mettur Inter-connection Scheme, change over from 66 KV. to 110 KV. operation was effected on 5th April 1953, by converting Mettur-Erode No. 1 feeder and Mettur-Singarapet No. 1 feeder for 110 KV. operation and changing the voltage ratio on power transformers No. 2 and No. 3 at Mettur for 110 KV. operation and connecting them to top bus at the transformer yard at Mettur, keeping the bottom bus and power transformer No. 1 for 66 KV. operation. Due to inadequate auto-transformer capacity at Singarapet to feed both Villupuram and Vellore area loads from the autos, it was necessary to retain Mettur-Singarapet No. 2 feeder at 66 KV. to feed Villupuram area loads directly from Mettur at 66 KV. from the 66 KV. power transformer No. 1 connected on to the bottom bus. The operation of the Mettur station at two voltages (110 KV. and 66 KV.) has to continue until a third auto-transformer is installed at Singarapet.

*Erode Receiving Station.*—The operation and maintenance and supply conditions of the station were satisfactory. On 5th April 1953, the Mettur-Erode 66 KV. lines were changed over to 110 KV. operation by energising the Erode-Mettur 110 KV. line No. 1 through the B.T.H. A.B.C.B. and paralleling Moyar and Mettur at 110 KV. at Erode. Pykara was also paralleled with Moyar on the Pykara-Moyar line and the generating stations Pykara, Moyar, Mettur and Madras commenced operating in parallel on the 110 KV. system.

The following works were commissioned during the year :—

- The F. & P. A.B.C.B. in Mettur No. 2 line on 25th April 1953.
- The MV. A.B.C.Bs. on Moyar lines 1 and 2 on 21st August 1953.
- The Tiruchi III Circuit (110 KV. line) at 66 KV. on 21st November 1953.

The Shenbagapudur 110 KV./11 KV. temporary sub-station near Satyamangalam was nearing completion during the year.

31. *Papanasam Station.*—During this, the tenth year of operation, the station was giving satisfactory service. The peak load of the station was 28,000 KW. The system peak was 22,300 KW. as against 22,000 KW. in the previous year. 98.178 million units were generated during the year.

*Water conditions.*—The reservoir level which was poor at the beginning improved considerably during both the monsoons. The reservoir was full in January, just at the commencement of the dry season, even though the demand of the P.W.D. had been heavy throughout and water had to be spilled over to the extent of 3,653 m.cft.

The rainfall for the year in the upper and lower camps was as follows :—

|                                     | 1952-53.<br>INCHES. | 1953-54.<br>INCHES. |
|-------------------------------------|---------------------|---------------------|
| Dam camp (Upper camp) .. .. .       | 57.51               | 89.99               |
| Papanasam camp (Lower camp) .. .. . | 34.27               | 50.50               |

*Power house.*—The performance of the equipments in the power station was satisfactory. The runner of Turbine No. 3 which was reported to have some scouring of the vanes was replaced by the spare one. The No. 1 low pressure pipe line was emptied in April 1953 and its examination has revealed, extensive and uniform blister growth over the entire pipe line. Proposals for scraping and painting with good quality under water anticorrosive paint were under examination.

*Thambraparni Dam.*—The dam and its control were all maintained in good condition.

32. *Madurai Thermal Station.*—The operation of the station at Samayanallur during the fourth year of operation was satisfactory. The 10 MW. turbo set was commissioned into service satisfactorily in April 1953. The automatic coal conveying plant was satisfactorily commissioned in service in December 1953. The two Nos. 55,000 lb. hr. Steinmuller Boilers were commissioned into service in March 1954. The stock position of coal was satisfactory throughout the year. The station peak load reached 8,600 KW. and the total units generated amounted to 27.509 millions. Due to the satisfactory inflows in the hydro stations relief from the thermal station was not practically required during the period July 1953 to January 1954. This helped in completing the overhaul of the boilers and erection of coal conveying plant.

*Transmission lines.*—The mileage of transmission lines added during the year and the total mileage at the end of 1953-54 are furnished below :—

| Voltage.      | Total length in miles at the end of 1952-53. |                 | Lines constructed during 1953-54. |                 | Total length in miles at the end of 1953-54. |                          |
|---------------|----------------------------------------------|-----------------|-----------------------------------|-----------------|----------------------------------------------|--------------------------|
|               | Single circuit.                              | Double circuit. | Single circuit.                   | Double circuit. | Single circuit in miles.                     | Double circuit in miles. |
| (1)           | (2)                                          | (3)             | (4)                               | (5)             | (6)                                          | (7)                      |
| 110 KV. ..    | 23                                           | 193.71          | ..                                | ..              | 23                                           | 193.71                   |
| 110/66 KV. .. | ..                                           | ..              | 26                                | ..              | 26                                           | ..                       |
| 66 KV. ..     | ..                                           | 47              | ..                                | ..              | ..                                           | 47.00                    |
| 22 KV. ..     | 72.6                                         | ..              | ..                                | ..              | 72.6                                         | ..                       |
| 11 KV. ..     | 29.2                                         | 37              | ..                                | ..              | 29.2                                         | 37                       |
| Total ..      | 124.8                                        | 277.71          | 26                                | ..              | 150.8                                        | 277.71                   |

Total S.C. and D.C. as on 31-3-1954—428.51.

33. *Programme for 1954-55.*—(1) Change over of the second Moyar-Erode line to 110 KV.

(2) Completion of the work of augmenting the capacity of the main flume channel at Pykara to 300 cusecs.

(3) Commissioning of the 6th and 7th units at Pykara Station.

(4) Erection of the 4th 12.5 MVA. Transformer and two 10 MVA. reactors at Mettur Power House.

(5) Erection of the fifth auto transformer at Erode sub-station.

(6) Erection and commissioning the 12,000 KVA. step down transformer at Pasumalai to feed additional power from the Madurai thermal station.

#### (ii) PYKARA SYSTEM.

34. *General.*—The year under review was the twenty-first year of operation of the system. The operation and maintenance of the system was satisfactory during the year. The system peak load reached 50,200 KW. as against 45,100 KW. in 1952-53.

The power cut on all but essential consumers which was 66.2/3 per cent in March 1953 had to be increased to 75 per cent on 16th April 1953 and from 1st May 1953 it was gradually reduced in stages until it was completely removed on and from 5th July 1953.

A temporary sub-station at Somanur with one No. 1,000 KVA. 66/33-11 KV. power transformer was established and commissioned on 14th June 1953. The extensions of 33 KV. lines from Somanur to Karadibavi and Avanashi for establishing 33/11 KV. sub-stations at the latter two places were almost completed.

A temporary sub-station at Irugur (Singanallur) with one No. 3,000 KVA. 66/22-11 KV. power transformer was established and commissioned on 8th February 1954.

A temporary 66 KV. sub-station was established at Pollachi and Negamam-Pollachi 66 KV. line and the 3,000 KVA. 66/22 KV. AC-EC. power transformer at the temporary sub-station were commissioned on 29th August 1954. The permanent sub-stations at Negamam and Pollachi would be completed during 1954-55.

Two Nos. 250 KVA. 400 V/11 KV. step-up power transformers were installed and commissioned at Udipi and one No. 38 B.H.P. engine coupled with the 40 KW. generator was commissioned at Karakala in October 1953.

Supply to Fort Cochin which was obtained through the Mattancheri licensee was changed over to direct supply from Travancore-Cochin Government Pallivasal system from 1st January 1954.

Under Tirur-Ponnani Extensions, supply was extended to Tirur, Ponnani and the surrounding villages. The balance of work for extending supply to the remaining villages was in advanced stage of construction.

Supply at 22 KV. was extended from Palghat to Peruvemba, Pudunagaram, Koduvayur and Muniyur villages under the Kollengode extensions. The balance of work for extending supply to Kollengode and Vadavanur was in an advanced stage of construction.

Under the Udipi extensions supply was extended to Malpe, Kallianpur, Udayavar Kodavur and Badogabattu villages.

The total number of units generated during the year was 285.390 millions compared to 305.338 million units in the previous year.

Four hundred and ninety-five agricultural pumpsets with a connected load of 2,078 KW. were connected up during the year bringing the total number to 8,560 with a connected load of 38,007 KW.

35. *Load development.*—The growth of load and revenue since the commencement of the operation of the system is furnished in the statement below :—

| Year.         | Peak load in KW.             | Energy generated in millions of units. | Gross revenue.   |
|---------------|------------------------------|----------------------------------------|------------------|
|               |                              |                                        | RUPEES IN LAKHS. |
| 1933-34 .. .. | 3,150                        | 10.9                                   | 4.4              |
| 1934-35 .. .. | 6,600                        | 30.0                                   | 10.5             |
| 1935-36 .. .. | 10,100                       | 50.3                                   | 16.3             |
| 1936-37 .. .. | 14,900                       | 75.6                                   | 24.0             |
| 1937-38 .. .. | 17,200                       | 82.4                                   | 27.6             |
| 1938-39 .. .. | 17,900                       | 84.3 plus                              | 16.18*           |
| 1939-40 .. .. | 24,900                       | 114.7 ..                               | 3.81*            |
| 1940-41 .. .. | 26,200                       | 136.13 ..                              | 0.67*            |
| 1941-42 .. .. | 28,900                       | 156.57 ..                              | 0.03*            |
| 1942-43 .. .. | 30,600                       | 185.14 ..                              | 2.38*            |
| 1943-44 .. .. | 31,000                       | 165.74 ..                              | 7.78*            |
| 1944-45 .. .. | 30,300 (a)<br>26,600 (b)-(1) | 158.59 ..                              | 2.86*            |
| 1945-46 .. .. | 38,300 (a)<br>27,150 (b)     | 173.11 ..                              | 1.27*<br>3.58†   |
| 1946-47 .. .. | 37,800 (a)<br>27,700 (b)     | 145.0 ..                               | 3.4*<br>2.1†     |
| 1947-48 .. .. | 38,600 (a)<br>32,050 (b)     | 155.9 ..                               | 7.2*<br>1.2†     |
| 1948-49 .. .. | 42,800 (a)<br>35,600 (b)     | 208.2 ..                               | 9.09*<br>2.70†   |
| 1949-50 .. .. | 42,900 (a)<br>37,600 (b)     | 222.86 ..                              | 11.29*<br>8.10†  |
| 1950-51 .. .. | 43,600 (a)<br>41,450 (b)     | 227.80 ..                              | 15.52*<br>13.23† |
| 1951-52 .. .. | 44,000 (a)<br>47,400 (b)     | 242.01 ..                              | 114.77           |
| 1952-53 .. .. | 44,000 (a)<br>45,100 (b)     | 220.775 ..                             | 84.563†          |
| 1953-54 .. .. | 44,000 (a)<br>50,200 (b)     | 199.4880 ..                            | 85.90†           |

\* Represents units purchased from Mettur.

† Represents units purchased from Papanasam.

‡ Represents units generated at Moyar.

(a) Station peak while giving relief to other systems.

(b) Peak for the system load only.

(b)(1) System peak 26,600 KW. decrease due to the transfer of loads at Madurai and beyond to Papanasam System in 1944-45.

36. *Financial results.*—

| Particulars.                                                      | Amount.     |
|-------------------------------------------------------------------|-------------|
|                                                                   | RS.         |
| (1) Capital outlay .. .. .                                        | 9,76,11,218 |
| (2) Gross receipt .. .. .                                         | 1,39,30,571 |
| (3) Operation and maintenance expenses excluding suspense .. .. . | 42,74,802   |
| (4) Depreciation Reserve fund .. .. .                             | 13,23,756   |
| (5) Special Reserve fund .. .. .                                  | 5,29,502    |
| (6) Total expenses .. .. .                                        | 61,28,060   |
| (7) Net revenue (2) — (6) .. .. .                                 | 78,02,511   |

37. *Connected load.*—The table below indicates the connected load of the system under different categories :—

| Description of load.        | Departmental         |                       | Municipal            |                       | Licensees            |                       |
|-----------------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
|                             | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. |
| I. High-tension—            |                      |                       |                      |                       |                      |                       |
| (a) Textiles ..             | 48                   | 35,856                | ..                   | ..                    | 4                    | 2,257                 |
| (b) Cement ..               | 1                    | 6,895                 | ..                   | ..                    | ..                   | ..                    |
| (c) Oil and industries.     | 6                    | 606                   | ..                   | ..                    | ..                   | ..                    |
| (d) Cordite factory.        | 1                    | 1,628                 | ..                   | ..                    | ..                   | ..                    |
| (e) Tea estates ..          | 53                   | 6,042 *               | ..                   | ..                    | ..                   | ..                    |
| (f) Licensees ..            | 4                    | 14,866                | ..                   | ..                    | ..                   | ..                    |
| (g) Municipalities ..       | 3                    | 13,008                | ..                   | ..                    | ..                   | ..                    |
| (h) Miscellaneous ..        | 14                   | 2,087                 | 1                    | 50                    | 3                    | 1,686                 |
| (i) Water-works ..          | 1                    | 136                   | ..                   | ..                    | 1                    | 113                   |
| (j) Government departments. | 15                   | 3,182                 | ..                   | ..                    | ..                   | ..                    |
| Total ..                    | 146                  | 84,300                | 1                    | 50                    | 8                    | 4,056                 |

\* Reduction when compared to the previous year due to non-working of the Iyerpady Estate.

## II. Low-tension—

|                                |        |        |        |        |        |        |
|--------------------------------|--------|--------|--------|--------|--------|--------|
| (a) Industries ..              | 1,356  | 13,821 | 447    | 4,204  | 464    | 4,187  |
| (b) Agriculture ..             | 8,560  | 38,007 | 191    | 891    | 122    | 377    |
| (c) Domestic light and fans.   | 35,870 | 19,321 | 10,552 | 5,043  | 12,254 | 5,477  |
| (d) Commercial light and fans. | 3,976  | 949    | 2,633  | 2,489  | 1,196  | 496    |
| (e) Street lights ..           | 78     | 614    | 5      | 286    | 10     | 192    |
| (f) Water-works ..             | 1      | 5      | 2      | 13     | 1      | ..     |
| (g) Miscellaneous ..           | 94     | 1,176  | 1      | 8      | ..     | ..     |
| (h) Railways ..                | 22     | 257    | 5      | 24     | 9      | 73     |
| Total ..                       | 49,957 | 74,150 | 13,886 | 12,958 | 14,056 | 10,810 |

The total connected load of the system was 158,450 KW. against 150,630 KW. in the previous year.

38. *Transmission lines.*—Route lengths of the various transmission lines up to the end of the year are furnished below :—

| Voltage.                                    | Lines constructed during 1953-54. |          | Total length in miles at the end of 1953-54. |                 |
|---------------------------------------------|-----------------------------------|----------|----------------------------------------------|-----------------|
|                                             | Single circuit in miles.          |          | Single circuit.                              | Double circuit. |
| <i>I. High-tension—</i>                     |                                   |          |                                              |                 |
| 110 KV. .. .. .                             | ..                                | * 22-650 | ..                                           | 25-00           |
| 66 KV. .. .. .                              | ..                                | 2-508    | 102-908                                      | 191-00          |
| 33 KV. .. .. .                              | ..                                | ..       | ..                                           | ..              |
| 22 KV. .. .. .                              | ..                                | 13-060   | 653-830                                      | 85-35           |
| 13-2 KV. } including acquired undertakings. | ..                                | 0-360    | 4-360                                        | ..              |
| 11 KV. } .. .. .                            | ..                                | 69-930   | 819-290                                      | 40-63           |
| Total .. .. .                               | ..                                | 108-508  | 1,580-388                                    | 341-98          |
| <i>II. Low-tension—</i>                     |                                   |          |                                              |                 |
| Pykara including acquired undertakings.     | ..                                | 112-376  | 2,447-381                                    | ..              |

\* There was a decrease of 17-39 miles of high tension and a net increase of 112-38 miles of low tension lines over last year.

39. *Extra high-tension and high-tension sub-stations.*—The number and aggregate transformer capacity of extra high-tension sub-stations including the power house for the past five years including the year under review is furnished below :—

| Year.           | Numbers. | Aggregate capacity in KVA. |
|-----------------|----------|----------------------------|
| 1949-50 .. .. . | 8        | 140,180                    |
| 1950-51 .. .. . | 9        | 140,680                    |
| 1951-52 .. .. . | 9        | 140,680                    |
| 1952-53 .. .. . | 11       | 142,680                    |
| 1953-54 .. .. . | 17       | 189,430                    |

40. *Coimbatore Receiving Station.*—The station peak was 44,950 KW. The 1,122 and 66 KV. peak loads are given below :—

|                     | 1952-53.   | 1953-54.   |
|---------------------|------------|------------|
| 11 KV. peak .. .. . | 15,650 KW. | 17,800 KW. |
| 22 KV. peak .. .. . | 12,600 KW. | 15,000 KW. |
| 66 KV. peak .. .. . | 20,000 KW. | 22,200 KW. |

The low rupturing capacity O.C.Bs. of transformers 1, 2, 3, 4, 6, 7 and 8 Madukkarai 1 and 2 and Pollachi feeder 11, were replaced with new 250 MVA. B.T.H. O.C.Bs.

One number new control kiosk and control panel were installed and commissioned for independent control of the 11 KV. rural west feeder.

Transformers 1, 3, 6 and 8 were provided with neutral E/L protection.

Interlocking arrangements were provided for the 9 numbers 11 KV. feeder kiosks, 4 Nos. 11 KV. transformers kiosks and 4 Nos. 22 KV. feeder kiosks.

Bucholz relays were installed on all the auto and power transformers and connected up for alarm and trip.

*Distributions.*—The number of distribution transformers erected during the year and the total aggregate capacity are furnished below :—

| Number of new transformers erected during the year 1953-54. | Aggregate capacity of transformers in column (1) including increase in capacity. | Total number of distribution transformers in service at the end of 1953-54. | Aggregate capacity of transformers in column (3). |
|-------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------|
| (1)                                                         | (2)                                                                              | (3)                                                                         | (4)                                               |
| 29 .. .. .                                                  | 1,400 KVA.                                                                       | 973 *                                                                       | 62,127 KVA.*                                      |

includes 88 numbers distribution transformers of acquired undertakings with a capacity of 6,199 KVA as on 1st April 1953.

41. *Agricultural services and rural industries.*—Supply was afforded to 495 agricultural pumpsets with a connected load of 2,078 KW. Lines have been extended to 666 numbers pumpsets ; but parties were not ready to avail supply.

Forty-four rural industries with a connected load of 444.2 KW. were connected up during the year bringing the total number to 660 with a total connected load of 9026.75 KW. at the end of the year. Electricity was extended to 29 villages during the year.

42. *Commercial activities.*—Proposals for extending high-tension supply to the following consumers were sanctioned during the year :—

- (1) Sivananda Textile Mills, Saravanampatti.
- (2) Walayar Reservoir Project.
- (3) Varadaraja Textile Mills, Peelamedu.
- (4) Asbestos Cement Co., Podanur.
- (5) Vijayakumar Ginning Factory and Cotton Press, Velankurithi.
- (6) Woodlands Estates Tea Factory, Coonoor.
- (7) Sundararaj Textiles and Sri Padma Mills, Kalapatti.

Proposals for extension of high-tension supply to the Amaravathi Reservoir Project has been recommended for sanction and six other proposals for extending high-tension supply were under finalization.

Four hundred and nine schemes were taken up for execution during the year. When these are completed 597 wells and 51 rural industries and 2,141 domestic services will get electric supply.

43. *Rural welfare.*—The progress in rural welfare schemes of the system was as follows :—

*Palladam, Tirupur and Avanashi firkas.*—Power was made available to 32 wells in the following villages in the above three firkas :—

(1) Nagappagoundenpalayam, (2) Appayapalayam, (3) Nasarampalayam and (4) Venkitapuram.

*Community Projects and Extension Blocks.*—The activities of the Community Project Administration were extended to Lower Bhavani Project area, Malampuzha Project area, Periyar Project area and South Kanara District and during the latter half of 1953-54 a sum of Rs. 30 lakhs was allotted by the Community Projects Administration for execution of the sanctioned electricity extension schemes in the areas. The following schemes taken up for execution during the year were in an advanced stage of construction and will be completed during the next year :—

- |                                                                                        |                               |
|----------------------------------------------------------------------------------------|-------------------------------|
| (1) Kollengode Extensions .. .. .                                                      | } Malampuzha Project area.    |
| (2) Alathur extensions .. .. .                                                         |                               |
| (3) Supply for agricultural and industrial purposes in Polpully amsom.                 |                               |
| (4) Supply to 40 agricultural services in Kavuthampalayam and Saravanampatti villages. |                               |
|                                                                                        | } Lower Bhavani Project area. |

44. *Meter, relay tests and special maintenance.*—Commissioning of restricted earth fault protection for 5000 KVA. transformers Nos. 1, 3, 6 and 8 at Coimbatore Receiving Station, commissioning tests on metering sets at Periakulam and Walayar, on the bus coupler O.C.B. at Sembattil sub-station and the second bus coupler at Udamalpet sub-station were conducted during the year. Precommissioning tests were conducted on the power transformer equipments at Somanur, Irugur and Pollachi sub-stations. The automatic voltage regulator on the 22 KW. generator panels at the Udupi Power House was also commissioned during the year. Soil resistibility measurements along

the proposed and surveyed 33 KV. routes between Hiriadka and Coondapur in South Kanara District and on the proposed 33 and 66 KV. routes between Somanur-Avanashi, Karadibavi and Somanur-Annur-Puliampatti-Shenbagapudur, and Ingur-Olapalayam in Coimbatore District were carried out.

Fifteen thousand two hundred and seventy-three low-tension meters, two hundred and fifty-seven high tension meters, 322 relays and 465 other instruments were tested while 1,312 meters, relays, recording instruments, etc. were repaired.

Laboratory and site tests were conducted on 144 Nos. telephone instruments and 300 spare parts were either repaired or manufactured.

The Special Maintenance Sub-division tested and overhauled 21 Nos. new transformers and 130 old transformers. One hundred and thirty-six numbers distribution transformers were released for overhaul. Sixteen sick transformers were repaired and 23 Nos. metering sets P.Ts., C.Ts., etc. were overhauled and tested. A total of 3,232 gallons oil samples were tested.

45. *Interruptions and breakdowns.*—There were seven major interruptions of more than 5 minutes, six on the 66 and one on 110 KV. lines while the number of interruptions of more than three hours was 52 and 82 interruptions on the 22 and 11 K.V. lines respectively due to various causes which were rectified expeditiously.

46. *Udipi and Karkala Undertaking.*—Two Nos. 5,000 gallon oil storage tanks were installed and put to beneficial use. Two Nos. 250 KVA. 400 V/11 KV. step-up transformer were erected and commissioned at the Udipi Power House. Supply at 11 KV. was extended from Udipi to Malpe, Kallianpur, Udayavar and Kodavur villages and the lines were energised.

One No. 38 B.H.P. engine with accessories was erected at Karkala and coupled with 40 KVA. generator and the set was commissioned.

The peak load of the Udipi Power House was 212 KW. and the number of units generated was 453,225.

The peak load of Karkala Power House was 36 KW. and the number of units generated was 64,977.

47. *Kollegal distribution.*—This is the sixth year of operation. The demand of the supply taken from Mysore was 176 KW. and the units purchased were 560,538. The total number of consumers at the end of the year was 543 and the total connected load was 822.93 KW.

*Fort Cochin.*—This is the third year of operation under Government management.

Supply to Fort Cochin was changed over from 2.2 KV. to 11 KV. with effect from 1st January 1954 and the supply from Mattancheri licensee was changed over to direct 11 KV. supply from the Travancore-Cochin Government, Pallivasal scheme.

0.28 million units were purchased for distribution in the area. The peak load of the station was 100 KW.

48. *Programme for 1954-55.*—(1) The scheme for extending 66 KV. line from Somanur to Puliampatti with a step-down station at the latter place and 33 KV. lines from Puliampatti to Shenbagapudur will be taken up for execution.

(2) A 66 KV. sub-station at Ingur on the Coimbatore-Tirupur lines and an extension of 33 KV. lines from the step-down station at Ingur to Olapalayam with a 33 KV. sub-station at Olapalayam will be taken up.

(3) Replacement of the present temporary structures at Negamam switching point and Pollachi 66 KV. sub-station by permanent structures.

(4) Erection of the 66 KV. permanent sub-stations at Somanur and Irugur and 33 KV. sub-station at Avanashi and Karadibavi.

(5) Extension of 66 KV. lines, tapped off the Madurai 66 KV. feeders to Madukarai and Palghat and establishing step down stations at Madukarai and Palghat.

### (iii) METTUR SYSTEM.

49. *General.*—During this the seventeenth year of operation of the system, the operation and maintenance of the system was satisfactory.

The system peak was 48,300 KW. as against 45,900 KW. in the previous year. The total number of units generated was 193.772 millions against 137.62 millions in 1952-53.

With effect from 1st October 1953 consequent on the formation of the Andhra State, the sub-stations at Chittoor, Pakala and Kuppam and all the high-tension and low-tension lines and distributions in Chittoor District were transferred to the Andhra State. The area under reference continue to be served by the Mettur System which supplies power in bulk to Andhra State for the purpose, metered at 7 points on the Andhra-Madras border. The report under review is confined to the areas directly served by the Mettur System within the present Madras State.

The revenue earned during the year was Rs. 110.01 lakhs as against Rs. 103.55 lakhs in the previous year.

Three hundred and two pump sets with a connected load of 1,224 KW. were connected up during the year. The connected load of the system was 172,954 KW. as against 167,317 KW. at the end of the previous year.

The permanent sub-station at Dalmiapuram was energised during the year.

Pallur sub-station in North Arcot district which was taken over from Madras Electricity System was commissioned on 5th February 1954.

Three Nos. 1250 KVA. transformers were commissioned at Mayuram sub-station in replacement of the existing two Nos. 750 KVA. and one No. 500 KVA. units. Three Nos. 1,000 KVA. transformers were commissioned at Arkonam sub-station in place of the existing four Nos. 500 KVA. units.

The work connected with the 110 KV. change over at Singarapet under the Madras-Mettur Interconnection Scheme was completed during the year and one circuit of Mettur-Singarapet section and the Singarapet-Madras section were changed over to 110 KV. operation.

The third circuit 110 KV. line between Erode and Tiruchirappalli the erection of which was completed in November 1953 was energised at 66 KV. and brought into beneficial use from 21st November 1953.

Supply to the French India Government, Pondicherry was discontinued with effect from 2nd January 1954.

50. *Load development.*—The statement below indicates the growth of load and revenue since the commencement of operation of the system :—

| Year.   | System peak load in KW. | Station peak load in KW. | Units generated in millions. | Gross revenue. RS. in LAKHS. |
|---------|-------------------------|--------------------------|------------------------------|------------------------------|
| (1)     | (2)                     | (3)                      | (4)                          | (5)                          |
| 1937-38 | 5,700                   | ..                       | 17.4                         | 3.45                         |
| 1938-39 | 7,700                   | ..                       | 44.0                         | 11.93                        |
| 1939-40 | 10,900                  | ..                       | 46.49                        | 13.34                        |
| 1940-41 | 12,300                  | ..                       | 60.42                        | 18.19                        |
| 1941-42 | 14,000                  | ..                       | 71.07                        | 21.75                        |
| 1942-43 | 15,300                  | 23,400 *                 | 81.45                        | 24.00                        |
| 1943-44 | 16,000                  | 28,200 *                 | 97.32                        | 27.27                        |
| 1944-45 | 18,915                  | 26,120 *                 | 104.92                       | 30.78                        |
| 1945-46 | 19,400                  | 27,200 *                 | 88.70 + 23.68                | 34.39                        |
| 1946-47 | 23,850                  | 35,000 *                 | 96.24 + 17.85                | 39.47                        |
| 1947-48 | 29,700                  | 36,700 *                 | 135.70 + 13.81               | 48.14                        |
| 1948-49 | 35,800                  | 39,800 *                 | 156.80 + 27.38               | 62.05                        |
| 1949-50 | 38,700                  | 43,800 *                 | 161.39 + 13.84               | 70.32                        |
| 1950-51 | 41,100                  | 46,900 †                 | 183.10 + 9.86                | 85.97                        |
| 1951-52 | 45,700                  | 37,400                   | 216.54                       | 101.53                       |
| 1952-53 | 45,900                  | 31,400                   | 137.62                       | 103.55                       |
| 1953-54 | 48,300                  | 42,300                   | 207.50                       | 110.01                       |

\* Station peak with relief to Pykara.

† Station peak with relief to Pykara and Madras.

51. *Financial results.*—The financial working of the system is indicated below :—

|                                                 | RS.         |
|-------------------------------------------------|-------------|
| 1. Capital Outlay                               | 6,28,82,323 |
| 2. Gross Revenue                                | 1,10,01,156 |
| 3. Operation and Maintenance including Suspense | 53,10,448   |
| 4. Depreciation Reserve Fund                    | 10,07,900   |
| 5. Special Reserve Fund                         | 4,03,200    |
| 6. Total Expenses                               | 67,21,548   |
| 7. Net Revenue                                  | 42,79,608   |

52. *Connected load.*—The connected load of the system under various categories is indicated in the statement below :—

| Description of load.        | Departmental.        |                       | Municipal.           |                       | Licensees.           |                       |
|-----------------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
|                             | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. |
| (1)                         | (2)                  | (3)                   | (4)                  | (5)                   | (6)                  | (7)                   |
| <b>I. High-tension—</b>     |                      |                       |                      |                       |                      |                       |
| (a) Textiles                | 4                    | 2,171                 | ..                   | ..                    | 9                    | 4,269                 |
| (b) Cement                  | ..                   | ..                    | ..                   | ..                    | 1                    | 6,126                 |
| (c) Mines                   | 1                    | 251                   | ..                   | ..                    | ..                   | ..                    |
| (d) Chemicals               | 1                    | 6,438                 | ..                   | ..                    | 3                    | 718                   |
| (e) Oil                     | 3                    | 280                   | ..                   | ..                    | 4                    | 721                   |
| (f) Steel                   | ..                   | ..                    | ..                   | ..                    | 1                    | 2,960                 |
| (g) * Licensees             | 27                   | 112,939               | ..                   | ..                    | 2                    | 4,752                 |
| (h) Municipalities          | 3                    | 6,044                 | ..                   | ..                    | 14                   | 62                    |
| (i) Water-works             | 3                    | 866                   | 1                    | 103                   | 2                    | 44                    |
| (j) Government departments. | 3                    | 576                   | ..                   | ..                    | 1                    | 50                    |
| (k) Railways                | 4                    | 4,844                 | 1                    | 38                    | 2                    | 84                    |
| (l) Sugar                   | 1                    | 692                   | ..                   | ..                    | 1                    | 190                   |
| (m) Metal                   | 1                    | 107                   | ..                   | ..                    | ..                   | ..                    |
| (n) Miscellaneous           | 2                    | 261                   | ..                   | ..                    | 3                    | 1,058                 |
| <b>Total</b>                | <b>53</b>            | <b>135,469</b>        | <b>2</b>             | <b>141</b>            | <b>43</b>            | <b>21,034</b>         |

This 27 numbers comprise 8 licensees taking supply at 20 points and the Andhra State taking supply points.

| Description of load.              | Departmental.        |                       | Municipal.           |                       | Licensees.           |                       |
|-----------------------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
|                                   | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. | Number of consumers. | Connected load in KW. |
| (1)                               | (2)                  | (3)                   | (4)                  | (5)                   | (6)                  | (7)                   |
| <b>II. Low-tension—</b>           |                      |                       |                      |                       |                      |                       |
| (a) Industrial                    | 840                  | 8,673                 | 223                  | 2,049                 | 2,909                | 30,190                |
| (b) Irrigation and agricultural.  | 5,006                | 19,469                | 21                   | 101                   | 4,094                | 18,593                |
| (c) Domestic (heat and power).    | 17,805               | 6,963                 | 6,016                | 2,750                 | 66,795               | 29,098                |
| (d) Commercial (heat, and power). | 3,772                | 1,184                 | 1,308                | 649                   | 14,009               | 6,131                 |
| (e) Public lighting               | 137                  | 211                   | 4                    | 177                   | 827                  | 1,167                 |
| (f) Public water-works            | 4                    | 54                    | 3                    | 19                    | 55                   | 575                   |
| (g) Government departments        | 8                    | 391                   | 7                    | 33                    | 105                  | 647                   |
| (h) Miscellaneous                 | 48                   | 540                   | 98                   | 125                   | 243                  | 5,504                 |
| <b>Total</b>                      | <b>27,620</b>        | <b>37,485</b>         | <b>7,680</b>         | <b>5,903</b>          | <b>89,037</b>        | <b>91,905</b>         |
| <b>Grand total</b>                | <b>27,873</b>        | <b>172,954</b>        | <b>7,682</b>         | <b>6,044</b>          | <b>89,080</b>        | <b>112,939</b>        |

The total connected load at the end of the year was 172,954 KW. as against 167,317 KW. at the end of 1952-53.

53. *Transmission lines and sub-stations.*—The mileage of transmission and distribution lines constructed during the year and the total mileage at the end of 1953-54 are furnished in the statement below :—

| Voltage.                   | Constructed during 1953-54. |                          | Total at the end of 1953-54. |                          |
|----------------------------|-----------------------------|--------------------------|------------------------------|--------------------------|
|                            | Single circuit in miles.    | Double circuit in miles. | Single circuit in miles.     | Double circuit in miles. |
| <b>High-tension lines—</b> |                             |                          |                              |                          |
| 110 KV.                    | ..                          | ..                       | 62.0 *                       | 18.0 *                   |
| 66 KV.                     | 58.0                        | ..                       | 345.5                        | 89.5                     |
| 33 KV.                     | ..                          | ..                       | 168.3 †                      | ..                       |
| 22 KV.                     | 2.1 ‡                       | ..                       | 445.0                        | ..                       |
| 11 KV.                     | 27.1                        | ..                       | 652.4 §                      | 1.8                      |
| <b>Total</b>               | <b>83.0</b>                 | <b>..</b>                | <b>1,673.2</b>               | <b>109.3</b>             |
| <b>Low-tension lines.</b>  | <b>23.7</b>                 | <b>..</b>                | <b>1,228.8   </b>            | <b>..</b>                |

\* 82.0 miles of 66 KV. single circuit line in Singarepet area and 30 miles of 66 KV. single circuit line in Tiruvannamalai subdivision (the latter was omitted to be included in last year's report) were changed over to 110 KV. operation under the Madras-Mettur Interconnection Scheme.

† The reduction in 33 KV. lines against last year's figure of 221.3 miles of single circuit lines is due to transfer of 58 miles of 33 KV. lines to the Andhra State.

‡ Consequent on the stoppage of supply to Pondicherry, 8.5 miles of 22 KV. lines between Villupuram and Pondicherry were dismantled.

§ The reduction in the length of 11 KV. single circuit line in last year's total of 679.6 miles is due to transfer of 54.8 miles of 11 KV. lines to Andhra State.

|| The reduction in length of low-tension lines in last year's total of 1,251.1 miles is due to transfer of 46 miles of low-tension lines to the Andhra State.

54. *Extra high-tension and high-tension sub-stations.*—The number of extra high-tension and high-tension sub-stations including power house and the Erode sub-station (under the Hydro generation circle) with aggregate transformer capacity is furnished below :—

|                       |         |              |
|-----------------------|---------|--------------|
| At the end of 1949-50 | 26 Nos. | 108,850 KVA. |
| At the end of 1950-51 | 27 Nos. | 117,600 KVA. |
| At the end of 1951-52 | 25 Nos. | 69,250 KVA.  |
| At the end of 1952-53 | 26 Nos. | 121,000 KVA. |
| At the end of 1953-54 | 27 Nos. | 158,250 KVA. |

*Distributions.*—Six hundred and thirty-one numbers distribution transformers with an aggregate capacity of 39,630 KVA. were in service at the end of the year against 674 numbers with 41,925 KVA. at the end of 1952-53. The reduction is due to Chittoor district area having gone over to the Andhra State.

55. *Commercial activities.*—Twenty-four extension schemes were taken up for execution late in the year and eight extensions were completed.

56. *Agricultural services.*—Three hundred and two agricultural pumpsets with a connected load of 1,224 KW. were connected up during the year. After the transfer of 324 agricultural services with a connected load of 1,167 KW. in Chittoor district to the Andhra State, the total number of pumpsets in service at the end of the year was 5,006 with a connected load of 19,469 KW.

57. *Rural industries.*—Thirty-one industrial services with a connected load of 365 KW. were connected up during the year bringing the total number to 840 with a connected load of 8,673 K.W. (after transfer of 37 numbers with a connected load of 509 KW. to the Andhra State).

Only four villages were electrified during the year.

58. *Rural welfare.*—No extension under this scheme was sanctioned during the year. Two extension schemes in the Community Project area were completed. Twenty-three agricultural services with a connected load of 126 H.P. and 64 numbers domestic services were connected up under the Firk Development Scheme.

59. *Meter, relay tests and special maintenance.*—During the year 8,623 numbers low tension meters 135 numbers high-tension meters, 301 Nos. relays and 333 numbers miscellaneous instruments were tested and repaired.

The more important works carried out by the Special Maintenance Sub-division are as below :—

(1) Thirteen numbers power transformers with an aggregate capacity of 22,750 KVA. and one number 1,000 KVA. booster were assembled and commissioned into service.

(2) Two numbers 2,500 KVA. transformers were overhauled, tested and serviced.

(3) Five numbers metering sets were reconditioned and tested.

(4) One hundred and thirty-three distribution transformers were overhauled, tested and serviced while eighteen numbers failed transformers were repaired and serviced.

60. *Interruptions and breakdowns.*—There was no major breakdown on transmission lines during the year.

61. *Workshops.*—The total outturn during the year (which is the nineteenth year of operation) amounted to Rs. 8.01 lakhs under line materials and Rs. 6.34 lakhs under tower materials.

The total number of men employed in the workshop was 560.

The more important of the works carried out are—

(1) Manufacture of an oil storage tank of 2,500 gallons capacity for Pasumalai.

(2) Manufacture of two numbers 35-ton transformer trucks.

(3) Erection of machinery costing Rs. 20,000 under the workshop expansion scheme.

62. *Programme for 1954-55.*—(1) Works connected with the erection of permanent sub-stations at Kumbakonam, Mayuram and Chidambaram will be taken up.

(2) The third 1,000 KVA. transformer will be commissioned at Kaveripauk sub-station.

(3) Two numbers 1,500 KVA. transformers will be commissioned at Ranipet sub-station in place of the existing 500 KVA. units.

(4) Three numbers 2,000 KVA. transformers will be commissioned at Vellore sub-station in place of the existing three numbers 1,250 KVA. and one number 750 KVA.

#### (iv) PAPANASAM SYSTEM.

63. *General.*—The year under review is the tenth year of operation of the system and the operation and maintenance of the system during the year was satisfactory.

The system peak-load reached 22,300 KW. against 22,000 KW. last year.

The number of units generated during the year at Papanasam Power House was 98.1783 million units as against 85.66 million units in 1952-53. The number of units generated at the Madurai Thermal Station was 27.5086 millions as against 19.81 millions last year.

The gross revenue earned by the system was Rs. 57.74 lakhs against Rs. 54.52 lakhs last year.

The Papanasam-Thalayuthu-Kayattar 66 KV. line was energised at 11 KV. on 1st October 1953 from Papanasam-Kadayam 11 KV. feeder from Papanasam end.

The Rajapalayam-Tirumangalam portion and the Tenkasi-Rajapalayam portion of the Madurai-Tirumangalam-Rajapalayam-Tenkasi 66 KV. line were energised at 11 KV. on 6th September 1953 and 23rd June 1953 respectively. On 14th March 1954 the line from Tenkasi to Rajapalayam was charged at 66 KV. and the Rajapalayam 66 KV. station was brought into service with 2 × 2,000 KV. transformer on 27th March 1954.

The Madurai-Sivaganga 66 KV. line was energised at 22 KV. from Pasumalai on 23rd August 1953.

One hundred and eighteen agricultural pumpsets with a connected load of 424 KW. were connected during the year bringing the total number of agricultural pumpsets connected to 2,167 with a connected load of 6,969 KW.

64. *Load development.*—The table below indicates the growth of load and revenue since the commencement of operation of the system :—

| Year.         | Peak load<br>in KW. | Units generated<br>in million KW. | Gross revenue,<br>RUPEES<br>IN LAKHS. |
|---------------|---------------------|-----------------------------------|---------------------------------------|
| 1944-45 .. .. | 8,790               | 21.265 + 21.979 *                 | 12.09                                 |
| 1945-46 .. .. | 9,800               | 47.21 + 7.78 *                    | 17.00                                 |
| 1946-47 .. .. | 14,000              | 52.62 + 5.49 *                    | 19.50                                 |
| 1947-48 .. .. | 15,000              | 64.62 + 2.52 *                    | 23.40                                 |
| 1948-49 .. .. | 18,500              | 71.768 + 17.045 *                 | 29.15                                 |
| 1949-50 .. .. | 20,000              | 79.84 + 16.64 *                   | 35.77                                 |
| 1950-51 .. .. | 20,500              | 99.27 + 8.40 *                    | 41.00                                 |
|               |                     | + 1.07 †                          |                                       |
| 1951-52 .. .. | 23,700              | 120.4 + 15.47 †                   | 53.96                                 |
| 1952-53 .. .. | 22,000              | 85.66 + 19.81 †                   | 54.52                                 |
| 1953-54 .. .. | 22,300              | 92.17 + 23.67 †                   | 57.74                                 |

\* Represents units purchased from Pykara.

† Represents units generated at the Madurai Thermal Station.

65. *Financial results.*—The statement below indicates the financial working of the system during the year under review :—

|                                                     | Rs.         |
|-----------------------------------------------------|-------------|
| (1) Capital outlay .. .. .                          | 5,24,55,948 |
| (2) Gross revenue .. .. .                           | 57,73,807   |
| (3) Operation and maintenance excluding suspense .. | 32,67,902   |
| (4) Depreciation reserve fund .. .. .               | 10,15,662   |
| (5) Special reserve fund .. .. .                    | 4,06,564    |
| (6) Total expenses .. .. .                          | 46,90,128   |
| (7) Net revenue .. .. .                             | 10,83,679   |

66. *Connected load.*—

| Serial number and description of load.  | Urban.               |                        |
|-----------------------------------------|----------------------|------------------------|
|                                         | Number of consumers. | Connected load in K.W. |
| (1)                                     | (2)                  | (3)                    |
| I. High-tension—                        |                      |                        |
| (a) Textiles .. .. .                    | 20                   | 10,334                 |
| (b) Cement .. .. .                      | 1                    | 3,047                  |
| (c) Oils .. .. .                        | 6                    | 438                    |
| (d) Chemicals .. .. .                   | 2                    | 328                    |
| (e) Other industrials .. .. .           | 2                    | 70                     |
| (f) Licensees .. .. .                   | 4                    | 24,850                 |
| (g) Municipalities .. .. .              | 1                    | 13,832                 |
| (h) Government departments .. .. .      | 1                    | 453                    |
| (i) Water works .. .. .                 | 1                    | 54                     |
| Total .. .. .                           | 38                   | 58,406                 |
| II. Low-tension—                        |                      |                        |
| (a) Industrial .. .. .                  | 741                  | 6,839                  |
| (b) Irrigation and agricultural .. .. . | 2,167                | 6,969                  |
| (c) Domestic services .. .. .           | 31,279               | 14,879                 |
| (d) Street lights .. .. .               | 84                   | 411                    |
| (e) Railways .. .. .                    | 18                   | 58                     |
| (f) Flat/rate services .. .. .          | 1,456                | 62                     |
| Total .. .. .                           | 35,745               | 29,218                 |
| Grand total .. .. .                     | 35,783               | 82,624                 |

The total connected load of the system at the end of the year was 82,624 KW. as against 76,834 last year.

67. *Transmission lines.*—The total length of transmission and distribution lines in the system is furnished in the statement below :—

| Voltage.                      | Constructed during 1953-54.    |                                | Total at the end of 1953-54.   |                                |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                               | Single circuit lines in miles. | Double circuit lines in miles. | Single circuit lines in miles. | Double circuit lines in miles. |
| (1)                           | (2)                            | (3)                            | (4)                            | (5)                            |
| I. High-tension lines—        |                                |                                |                                |                                |
| 66 KV. .. .. .                | ..                             | ..                             | 80.08                          | 125.43                         |
| 33 KV. .. .. .                | ..                             | ..                             | 34.66                          | ..                             |
| 22 KV. .. .. .                | ..                             | ..                             | 64.87                          | ..                             |
| 11 KV. .. .. .                | 61.15                          | ..                             | 477.15                         | 10.08                          |
| 6.6 KV. .. .. .               | ..                             | ..                             | 16.95                          | ..                             |
| 3.3 KV. .. .. .               | ..                             | ..                             | ..                             | ..                             |
| Total .. .. .                 | 61.15                          | ..                             | 678.71                         | 135.51                         |
| II. Low-tension lines .. .. . | 73.496                         | ..                             | 698.56                         | ..                             |

Net increase in mileage during the year amounted to 61.15 miles of high-tension and 73.41 miles of low-tension lines.

68. *Extra high-tension and high-tension sub-stations.*—The number of extra high-tension and high-tension sub-stations including the power house with aggregate transformer capacity for the past five years is furnished below :—

| Year.           | Number of station. | Aggregate capacity. |
|-----------------|--------------------|---------------------|
| 1948-49 .. .. . | 10                 | 51,000 KVA.         |
| 1949-50 .. .. . | 12                 | 55,475 KVA.         |
| 1950-51 .. .. . | 13                 | 72,725 KVA.         |
| 1951-52 .. .. . | 13                 | 73,225 KVA.         |
| 1952-53 .. .. . | 11                 | 76,625 KVA.         |
| 1953-54 .. .. . | 13                 | 99,250 KVA.         |

69. *Distributions.*—Twenty-one distribution transformers with an aggregate capacity of 1,275 KVA. were erected during the year bringing the total number of distribution transformers in service at the end of the year to 321 and the aggregate capacity to 17,605 KVA.

70. *Commercial activities.*—Due to stringent financial position, the commercial activity of the system was almost stopped in the beginning of the year. Only proposals amounting to Rs. 5.71 lakhs for supply to 81 Nos. pumpsets, 22 Nos. industrial services, etc., were finalised during the year.

71. *Agricultural services.*—One hundred and eighteen Nos. agricultural pumpsets with a connected load of 424 KW. were connected up during the year bringing the total number of pumpsets connected at the end of the year to 2,167 with a connected load of 6,969 KW. as against 1,875 with a connected load of 5,912 KW. at the end of 1952-53.

72. *Rural welfare.*—One scheme costing Rs. 22,000 for extension of supply to 5 Nos. agricultural pumpsets with a connected load of 25 H.P., 23 Nos. domestic and 6 Nos. street light services was sanctioned during the year under the Firka Development Scheme.

Fifty-nine Nos. agricultural pumpsets with a connected load of 282.5 H.P. were connected up during the year in the selected firkas.

Electricity was extended to 24 villages during the year.

73. *Meter, relay tests and special maintenance.*—Fifty-seven distribution transformers were overhauled. Nine thousand four hundred and three high-tension and low-tension meters, 102 number relays, 42 Nos. O.C.Bs. and 90 Nos. C.Ts. were tested, 10,279 gallons of oil reconditioned and 2,551 samples of oil were tested.

74. *Interruptions.*—There were no serious interruptions during the year except the following :—

There was a break down on Kayattar-Koilpatti 66 KV feeder No. 1 on 6th April 1953 due to snapping of bottom conductor between location T. 69-70 with interruption of supply from 14.04 hours to 18.18 hours.

75. *Programme for 1954-55.*—The several sub-stations on the Madurai-Tirumangalam-Rajapalayam-Tenkasi, Papanasam-Thalayuthu-Kayattar and Madurai-Sivaganga sub-stations will be commissioned at 66 KV.

The transformer capacities of Pasumalai, Sattur, Koilpatti, Tuticorin, Tenkasi and Pudur will be increased to meet the demand.

The following major incomplete extensions will be executed :—

- (1) Melakallur-Nanguneri extensions.
- (2) Srivaikuntam-Sattankulam extensions.
- (3) Surandai-Sundarapandiapuram.
- (4) Puliangudi-Vasudevanallur extensions, etc., and other 44 new extensions.

## (v) MADRAS SYSTEM—GENERATION CIRCLE.

76. *General.*—The operation and maintenance of the 'A', 'B' and 'C' power stations was satisfactory during the seventh year of operation of the system under Government management.

The peak-load of the Madras sytem reached 30,600 KW. against 30,200 KW. in 1952-53. The number of units generated during the year was 152·998 millions against 152·17 millions last year.

The 12·5 MW. B.T.H. Turbo Alternator at the 'A' station which was out of service from 3rd September 1952 due to the failure of stator insulation was recommissioned with the stator rewound on 26th September 1953.

At 'B' station, the third boiler of 80,000 lb./hr. capacity under I stage was commissioned in May 1953 and the 15 MW. English Electric Company Turbo Alternator was recommissioned in August 1953 thus bringing the I Stage under the Madras Plant Extensions to conclusion.

The operating voltage of the Madras-Mettur Interconnection was changed over to 110 KV. from 66 KV. between Mettur Power House and Villivakkam sub-station on 5th April 1953.

The 'C' station was put to use only whenever load conditions warranted or increased relief had to be afforded to the hydro systems while the Villivakkam emergency station was not run at all from 1st July 1953.

The stock position of coal was not quite satisfactory during the year, the receipts always falling short of the allotted quantity due to supply of insufficient number of railway wagons to the collieries. The stock built up during the months of July to October 1953 on account of relief obtained from hydro systems got depleted when relief was afforded to the hydro systems from December 1953 to March 1954. Necessary steps have been taken to improve the coal stock position.

Madras afforded relief to hydro system from April to June 1953 and again from December 1953 to March 1954 and availed relief from Mettur from July 1953 to October 1953. During November 1953, the flow of energy either way was more or less balanced as the energy imported by Madras during the morning and evening peak-load periods was returned to the hydro systems during the off-peak hours of Madras.

77. *Power stations.*—Under the I Stage extensions the third 80,000 lb./hr. boiler at the 'B' station was commissioned in May 1953. The first stage 15 M.W. turbo-alternator which broke down on 28th March 1953 was commissioned in August 1953.

Two new natural draught cooling towers each of 15,000 g.p.m. capacity were commissioned during the year. The installed cooling capacity was 45,000 g.p.m. including the old natural draught cooling tower (now taken out for major repair) after the two old forced draught towers are dismantled as proposed.

The salient features of operation of the three stations are detailed below :—

## 'A' Station.

The peak-load of the station for the year was 26,000 KW. The 12·5 MW. Turbo Alternator which went out of commission on 3rd September 1952 was recommissioned on 26th September 1953.

## 'B' Station.

The peak-load of the station was 15,500 KW.

The third boiler of 80,000 lb./hr. capacity was commissioned in May 1953 and the 15 M.W. English Electric Company Turbo Alternator recommissioned in August 1953. With that the I Stage under the Madras Plant Extensions was practically completed.

Under the II Stage, erection of one of the two boilers was nearing completion. This boiler and the second 15 MW. turbo alternator will be commissioned in 1954-55.

## 'C' Station.

This station with two Nos. 2500 KW. transportable sets continued to be in service during the year. The peak load of the station was 3800 KW.

The H.T. cubicle of the North turbo set sustained extensive damage due to a fire on 20th February 1954 caused presumably by the electrocution of a rat or other reptiles inside the cubicle. The extent of damage is about Rs. 30,000 to Rs. 40,000. Steps have been taken to prevent recurrences.

## Villivakkam emergency station.

This station was not run at all from 1st July 1953. Prior to this date it was run only for 16 hours a day for affording increased relief to the hydro systems and the peak-load of the station was 1,000 KW.

78. *Load development.*—The table below indicates the growth of load since the Madras Electric Supply Corporation undertaking was taken over by the Government.

| Year.           | Peak load of system. | Total units generated in millions. |
|-----------------|----------------------|------------------------------------|
| 1947-48 .. .. . | 21,900*              | 54.95*                             |
| 1948-49 .. .. . | 25,400               | 102.07                             |
| 1949-50 .. .. . | 24,700†              | 108.00                             |
| 1950-51 .. .. . | 27,800               | 120.79                             |
| 1951-52 .. .. . | 29,300               | 135.564                            |
| 1952-53 .. .. . | 30,200               | 152.174                            |
| 1953-54 .. .. . | 30,600               | 152.998                            |

\* The figures pertain only to the period 29th August 1947 when the Madras Electric Supply Corporation undertaking vested in the Government to 31st March 1948.

† Reduction in peak due to peak-load restriction.

During the year 26.63 million units were exported to the hydro systems and 18.54 million units were imported from there.

79. *Madras plant extensions—I Stage.*—With the commissioning of the third boiler of 80,000 lb./hr. capacity and recommissioning of 15 MW. English Electric Company turbo alternator with the associated auxiliaries and switch-gear, the work under the I Stage was practically completed.

*II Stage.*—Out of the two 80,000 lb./hr. boilers to be erected under this stage the erection of one was practically completed. The site for second boiler was being cleared of the old 10,000 lb./hr. boilers for laying pile foundation and this boiler is expected to be commissioned by the end of 1955. The 2nd 15 MW. turbo-alternator is expected to be commissioned in June 1954.

80. *Programme for 1954-55.*—The work under the II Stage extensions, viz., erection of two 80,000 lb./hr. boilers and one 15,000 KW. turbo sets and connected auxiliaries will be in full swing during this year.



BASIN BRIDGE POWER HOUSE 'B' STATION EXTENSIONS—GENERAL VIEW.

## (vi) MADRAS SYSTEM—DISTRIBUTION CIRCLE.

81. *General.*—The year under review is the seventh year of operation under Government management. The operation and maintenance of the distribution and sub-stations of the system was satisfactory.

Peak load restrictions on low-tension consumers prohibiting them from working between 5-30 p.m. and 9-30 p.m. first imposed in 1949-50 continued to be operative during the year. The peak load restrictions on the Buckingham and Carnatic Mills, the biggest block load of the system, were also continued.

On account of failure of monsoon and consequent adverse water conditions in the hydro systems restrictions and cuts had to be imposed on consumers in the Chingleput district who were supplied with power from the Mettur System. Also owing to failure of the new 15 MW. set at 'B' Station and the old 12.5 MW. set at 'A' Station cut in power consumption on all but essential consumers was also imposed in the area served by the Madras Thermal Station as under—

33-1/3 per cent from 16th April 1953 to 30th April 1953.

20 per cent from 1st May 1953 to 15th May 1953.

10 per cent from 16th May 1953 to 8th June 1953.

The restrictions and cuts in power consumption were completely removed with effect from 5th July 1953.

Two thousand three hundred and seventy-six services were connected up during the year. In addition 732 D.C. services were changed over to A.C. on a voluntary basis, i.e., the consumer making his own arrangements for changing his appliances to suit A.C. supply.

One hundred and fifteen agricultural pumpsets with a connected load of 541.861 KW. were connected up during the year bringing the total number of agricultural services to 1,438 with a connected load of 7128.089 K.W. (The total number of pumpsets furnished in the previous report was incorrect.)

Electricity was extended to 14 villages during the year.

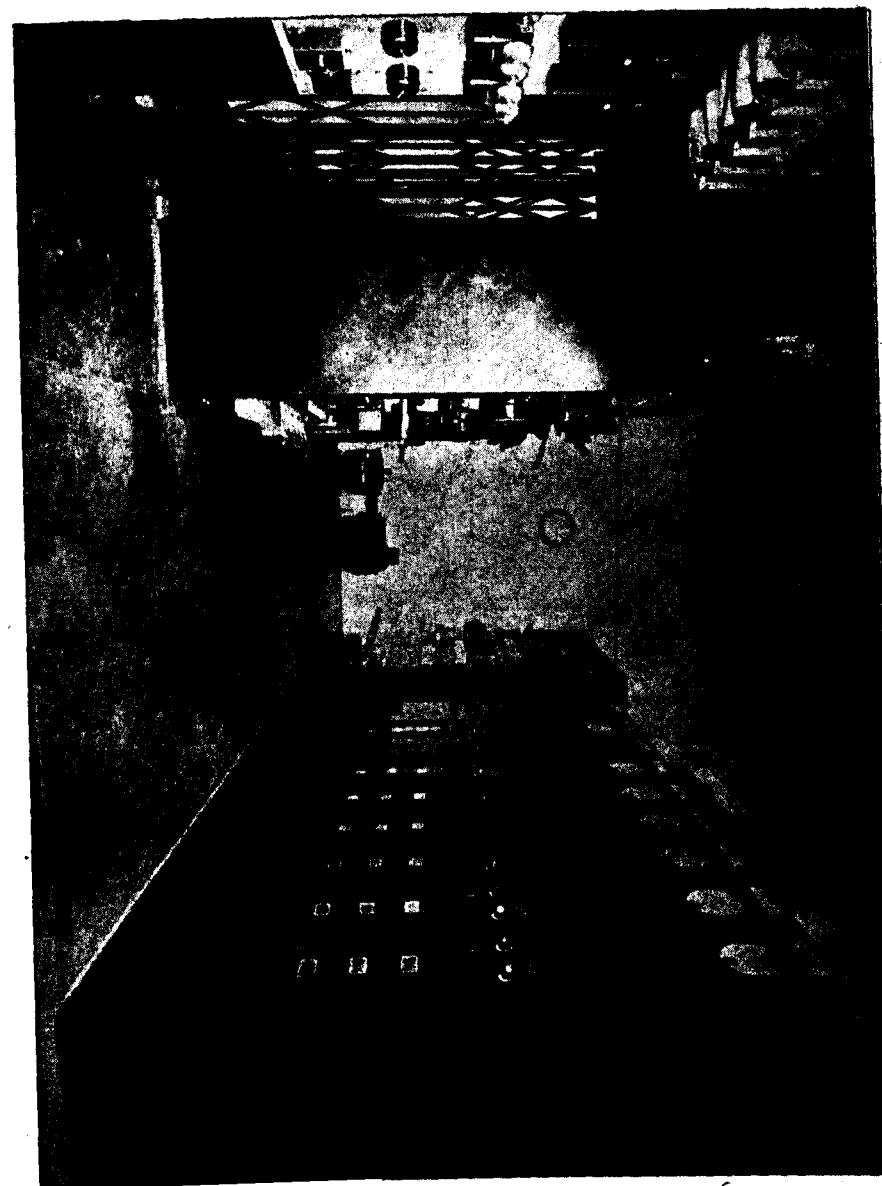
The gross revenue for the year was Rs. 173.45 lakhs as against Rs. 153.92 lakhs in the previous year.

82. *Load development.*—The peak-load of the system reached 30,600 KW. as against 30,200 KW. in 1952-53. The table below indicates the growth of load and revenue since acquisition of the undertaking by Government on 29th August 1947 :—

| Year.   | Peak load<br>in KW. | Units generated<br>in millions. | Gross revenue.<br>RUPEES.<br>IN LAKHS. |
|---------|---------------------|---------------------------------|----------------------------------------|
| 1947-48 | * 21,900            | * 54.95                         | * 40.75                                |
| 1948-49 | 25,400              | 102.07                          | 80.04                                  |
| 1949-50 | † 24,700            | 108.00                          | 94.03                                  |
| 1950-51 | 27,800              | 120.79                          | 116.13                                 |
| 1951-52 | 29,300              | 135.56                          | 139.59                                 |
| 1952-53 | 30,200              | 152.17                          | 153.92                                 |
| 1953-54 | 30,600              | 152.99                          | 173.45                                 |

\* The figures refer only to the period 29th August 1947 to 31st March 1948.  
† Reduction in peak due to peak-load restrictions.

KANCHEEPURAM SUB-STATION—INDOOR CONTROL ROOM.



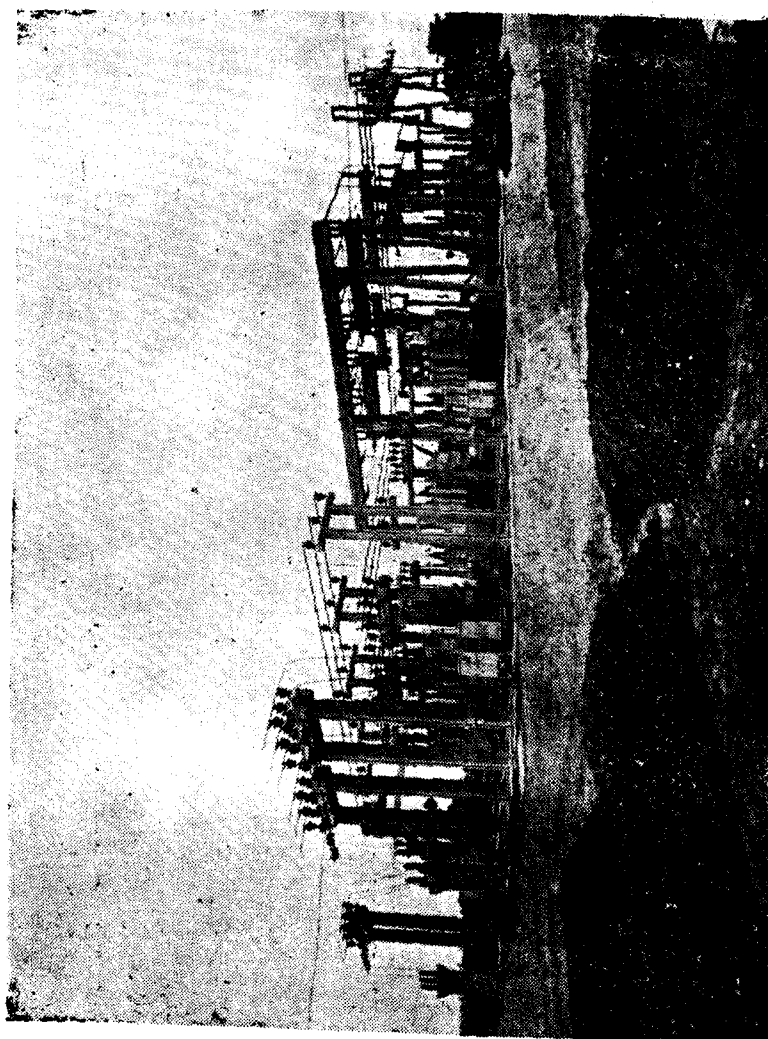
83. *Financial results.*—The financial results of the system are indicated in the statement below :—

|                                                | RS.         |
|------------------------------------------------|-------------|
| Total capital outlay .. .. .                   | 7,79,64,923 |
| Gross revenue .. .. .                          | 1,73,45,494 |
| Operation and maintenance excluding suspense.. | 1,04,53,487 |
| Depreciation Reserve Fund .. .. .              | 26,47,886   |
| Special reserve .. .. .                        | 4,52,587    |
| Total expenses .. .. .                         | 1,35,53,960 |
| Net revenue .. .. .                            | 37,91,534   |

84. *Connected load and number of consumers.*—The details of connected load are given below classified under different categories :—

| Serial number and details.                       | Total to end of March 1954. |                   |
|--------------------------------------------------|-----------------------------|-------------------|
|                                                  | Number of consumers.        | Total load in KW. |
| <b>I. High-tension supplies—</b>                 |                             |                   |
| (a) Textiles .. .. .                             | 2                           | 8,976             |
| (b) Oil industries .. .. .                       | 2                           | 723               |
| (c) Other industries .. .. .                     | 12                          | 1,399             |
| (d) Licensees (3 points).. .. .                  | 1                           | 1,393             |
| (e) Miscellaneous .. .. .                        | 55                          | 13,230            |
| (f) Water works .. .. .                          | 3                           | 1,280             |
| (g) Traction .. .. .                             | 2                           | 20,322            |
| (h) Railways .. .. .                             | 1                           |                   |
| (i) Street lighting .. .. .                      | 1                           | 721               |
| Total .. .. .                                    | 79                          | 48,044            |
| <b>II. Low-tension supplies—</b>                 |                             |                   |
| (a) Industrial .. .. .                           | 2,978                       | 17,147            |
| (b) Irrigation and agriculture .. .. .           | 1,438                       | 7,128             |
| (c) Domestic (heat, power and lighting) .. .. .  | 39,589                      | 42,839            |
| (d) Commercial (heat, power and lighting).. .. . | 5,992                       |                   |
| (e) Public lighting .. .. .                      | 28                          | 246               |
| (f) Miscellaneous .. .. .                        | 590                         | 3,302             |
| Total .. .. .                                    | 50,615                      | 70,662            |
| Grand total .. .. .                              | 50,694                      | 118,706           |

The total connected load of the system at the end of the year was 118,706 KW. compared to 116,372 KW. in 1952-53 and includes the areas in Chingleput district normally supplied from Mettur System.



KANCHEEPURAM SUB-STATION.

85. *Transmission lines, sub-stations and distributions.*—Details of the total mileage of transmission and distribution lines constructed during the year and as at the end of the year are given below :—

| Serial number and particulars of line.   | Constructed and otherwise added during 1953-54. | Total at the end of 1953-54. |
|------------------------------------------|-------------------------------------------------|------------------------------|
| (1)                                      | (2)                                             | (3)                          |
|                                          | MILES.                                          | MILES.                       |
| <b>A. H.T. lines—</b>                    |                                                 |                              |
| 1 110/66 KV lines—<br>(Overhead) .. .. . | .. .. .                                         | 66.5                         |
| 2 33 KV lines—<br>(Overhead) .. .. .     | 22.2                                            | 94.0                         |
| 3 33 KV lines—<br>(Underground) .. .. .  | .. .. .                                         | 2.0                          |
| 4 11 KV lines—<br>(Overhead) .. .. .     | 27.7                                            | 156.7                        |
| 5 11 KV lines—<br>(Underground) .. .. .  | 10.3                                            | 23.3                         |
| 6 6.6 KV lines—<br>(Overhead) .. .. .    | 1.2                                             | 7.5                          |
| 7 6.6 KV lines—<br>(Underground) .. .. . | .. .. .                                         | 0.6                          |
| 8 5 KV lines—<br>(Overhead) .. .. .      | .. .. .                                         | 4.4                          |
| 9 5 KV lines—<br>(Underground) .. .. .   | 0.5                                             | 122.0                        |
| <b>Total .. .. .</b>                     | <b>59.5</b>                                     | <b>477.0</b>                 |
| <b>B. L.T. lines—</b>                    |                                                 |                              |
| 1 Overhead .. .. .                       | 28.2                                            | 496.5                        |
| 2 Underground .. .. .                    | 19.1                                            | 266.2                        |
| <b>Total .. .. .</b>                     | <b>47.3</b>                                     | <b>762.7</b>                 |

Net increase in mileage during the year amounted to 59.5 miles of high-tension and 47.3 miles of low-tension lines.

The tabular statement below gives the number of sub-stations and their capacities at the end of the year :—

| Serial number and particulars.                                                                    | At the end of 1952-53. |                                       | At the end of 1953-54. |                                       |
|---------------------------------------------------------------------------------------------------|------------------------|---------------------------------------|------------------------|---------------------------------------|
|                                                                                                   | Number.                | Installed capacity.                   | Number.                | Installed capacity.                   |
| (1)                                                                                               | (2)                    | (3)                                   | (4)                    | (5)                                   |
| (1) 110 KV sub-stations .. .. .                                                                   | 2                      | 23,000 KVA                            | 2                      | 23,000 KVA                            |
| (2) 33 KV sub-stations* .. .. .                                                                   | 12                     | 13,600 "                              | 15                     | 20,350 "                              |
| (3) Rotary convertor stations .. .. .                                                             | 6                      | 13,500 KW                             | 6                      | 13,500 KW                             |
| (4) Rectifier stations .. .. .                                                                    | 6                      | 4,000 "                               | 6                      | 4,000 "                               |
| (5) Distribution transformer stations including static stations and 33 KV/400 volts sub-stations. | 255                    | 24,767 KVA                            | 272                    | 26,474 KVA                            |
| <b>Total capacity .. .. .</b>                                                                     | <b>281</b>             | <b>17,500 KW</b><br><b>61,387 KVA</b> | <b>301</b>             | <b>17,500 KW</b><br><b>69,824 KVA</b> |

\* NOTE.—This does not include the step-up transformers at Basin Bridge Power House.

86. *Extensions.*—One hundred and fifty-one extensions and improvement proposals costing Rs. 6 lakhs were sanctioned by the Superintending Engineer. Fifty-five proposals costing Rs. 32.3 lakhs have been sanctioned by the Chief Operation Engineer or Chief Engineer or Government and 54 proposals costing Rs. 23.38 lakhs have been sent up to them for sanction.

The following were some of the more important extensions completed or nearing completion during the year :—

- (1) Adambakkam extensions—Part Scheme.
- (2) Numbal extensions.
- (3) Goparasanallur extensions.
- (4) Extension of 11 KV. supply from Sirukaveripauk to Kilambi and Baluohetty Chatram.
- (5) Nathapet—Nazarethpet 11 KV. extensions.
- (6) 11 KV. extensions to Konnerikuppam.
- (7) Odikadadu extensions.
- (8) Extension in Ikkadu village.

High tension supply was effected to the following consumers :—

- (1) Avadi Military Base.
- (2) Civil Aerodrome, Meenambakkam.
- (3) Chrome Leather Company, Chromepet.
- (4) Firhaven, Adyar.
- (5) Madras Rubber Factory.
- (6) Madras Pencil Factory.
- (7) Neptune Studios, Adyar.
- (8) Pioneer Cycle Works.
- (9) Government Coach Building Factory.
- (10) Jeevanlal & Co.,
- (11) Stoneware Pipes, Limited, Tiruvallur.
- (12) Western India Manufacturing Company.

87. *Commercial activities.*—The demand for power for domestic, industrial and agricultural purposes continued to be as heavy as in last year ; but due to restricted budget provision in the first half of 1953-54 and part of the latter half, service connections were extended only to those that gave voluntary loans. The position became normal during the second half of the year.

88. *Agricultural services.*—One hundred and fifteen agricultural pumpsets with a connected load of 541.861 KW. were connected up during the year. The total number of agricultural pumpsets at the end of the year taking into account the agricultural services in Kancheepuram and Tiruvallur towns and rural was 1,438 with a connected load 7128.089 KW.

89. *Programme for 1954-55.*—(1) Improvement to the city distribution sanctioned under the Madras Plant Extensions will continue to be in progress.

(2) Extensions already sanctioned and under execution will be continued. The following are some of the more important works which will be taken up for execution :—

- (a) Extension of 33/11 KV. line to Ponneri.
- (b) Supply to Mangadu village and Ariyalur, Kadapakkam, etc., villages.
- (c) Extension of supply to Malazambakkam village, Ramapuram, Nekkundram, Perivakkam, Banavedu, Thottam Pederi Tangal, Kallapancheri villages.
- (d) Extension of supply to Palur Kanchengeri (in Chingleput taluk), Kayavor (Kancheepuram taluk), Panambakkam, Venmanampudur, Ponneri and Vembakkam villages.

(e) Extension of supply to Korattur, Padi and the villages in Saidapet Taluk.

(f) Extension of supply from Aranvoyal to Sriperumbadur and Kadam-bakkam, etc., villages.

(g) Extension of supply to Maduravoil, Venagonam Chettiar Agaram and Thandalam villages.

#### ELECTRICAL INSPECTORATE AND LICENSEES.

90. *Electrical undertakings.*—At the end of the year there were 31 licensees' undertakings, one operating under Section 28 of the Indian Electricity Act, seven managed by local authorities and the rest by private licensees. The condition of supply in these areas was generally satisfactory except for the restrictions imposed on account of adverse water conditions in the Hydro-electric areas, during the first quarter of the year. One of the oil engine generating sets of the Mangalore licensee broke down in the first week of November 1953. Consequently a ban was imposed on connecting up of new loads besides certain other restrictions such as curtailment of hours of supply, etc. The 500 KW. diesel set loaned to the licensee by the Department to improve the supply conditions was under erection in the Power House and was expected to be commissioned in April 1954.

No new licences or extensions of licensees' areas were sanctioned during the year.

The sanction granted to the Kanara Ceramics under Section 28 of the Indian Electricity Act having expired on 31st March 1953, they applied for extension of sanction for a further period of three years from 1st April 1953. They have also applied for an extension of area of supply.

In view of the financial stringency no loans were given to licensees either for rural electrical development or for other purposes. Permission was granted under Section 9 (2) of the Indian Electricity Act to the South Arcot and Vellore Electric Licensees to take mortgage loans of Rs. 15 lakhs and Rs. 6 lakhs respectively, from the Madras Industrial Investment Corporation. The valuation of the electrical portion of the assets of the South Arcot Electrical Undertaking was done by the Inspectorate and the loan of Rs. 15 lakhs has been granted by the Investment Corporation. In respect of Vellore Electrical Undertaking the valuation of the assets will be taken up shortly by the Inspectorate on receipt of full particulars of assets from the licensee.

During the year, the accounts of 23 licensees' undertakings were audited by the Audit Officer and the staff of the Inspectorate. Besides, the audit of one more licensee's accounts was in progress. The audit of two licensees' accounts pertaining to 1952-53 was also completed during the year.

There were 644 cinemas in the State out of which 312 were permanent and the rest temporary.

91. *Nationalization.*—No Electricity undertaking was taken over by the Government during the year. The Madras Electricity Supply Undertakings (Acquisition) Act, 1949 was held void by the Supreme Court of India on the ground that the Act was beyond the Legislative competency of the Madras Legislature.

The question of enacting revalidating legislation was under the consideration of Government.

The final compensation in respect of Udipi, Union Cochin and West Ramnad was deposited during the year. The Accredited Representative of the Udipi

Electrical Undertaking preferred an appeal for arbitration on certain disputed items and the matter was accordingly settled by arbitration. According to the arbitration a sum of Rs. 8,844-0-6 together with interest was required to be paid as additional compensation to the Electrical Undertaking as against a claim of Rs. 25,973 by the Electric Supply Company.

On the claim for additional compensation made by the Accredited Representative of the Union Cochin, a sum of Rs. 1,867-12-11 was sanctioned by Government as additional compensation to the Company. The claim for certain additional compensation made by the West Ramnad Electricity Distribution Co., Ltd., was under the consideration of Government.

A statement showing particulars of operation and maintenance expenses, revenue, etc., before and after nationalisation of the Udipi Electrical Undertaking being an independent generating station is given in Appendix L.

92. *Indian Electricity Act and Rules.*—Certain comprehensive amendments to the Electricity (Supply) Act, 1948, and the redraft of the Indian Electricity Act, 1910, were under the consideration of Central Government. The revision of the Indian Electricity Rules finalized by the Central Electricity Board during the year remained to be announced by the Central Government.

For purposes of uniformity the old licences issued to the four licensees operating in the area comprised in the former Pudukottah State were being amended. Amendments to the licence of the Pudukottah Electric Supply Corporation, Limited, were approved by Government. In the case of Ramachandrapuram licence final proposals submitted to Government were under their consideration while proposals in respect of the other two licensees were under correspondence with them.

Many of the licensees have not provided linked switches on high-tension side of all transformer sub-stations as required by Rule 60 (1) of the Indian Electricity Rules, 1937. In view of the high cost of the switches and in view of the revised draft Indian Electricity Rules exempting rural sub-stations of below 100 KVA. capacity from having such switches, relaxation of the rule was granted in respect of certain licensees up to a particular period.

In view of the dearth of qualified candidates for wireman's licence, introduction of Indian Electricity Rule 48 in this State has been further postponed and the present proposal is to introduce it with effect from 31st March 1955. The question of formation of a Board for licensing of electrical contractors was under the consideration of Government.

93. *Street lighting.*—The model form of street lighting agreement to be entered into between the licensees and the local bodies was still under the consideration of Government.

94. *Tariffs.*—The following licensees re-adjusted their rates during the year under Clause I of Schedule VI to the Electricity Supply Act, 1948 :—

|   |                                         |    |    |    | Increase or decreased. |
|---|-----------------------------------------|----|----|----|------------------------|
| 1 | Tinnevely-Tuticorin                     | .. | .. | .. | Decrease.              |
| 2 | Salem-Erode                             | .. | .. | .. | Do.                    |
| 3 | Kanadukathan                            | .. | .. | .. | Increase.              |
| 4 | Pudukkottah Electric Supply Corporation | .. | .. | .. | Do.                    |
| 5 | Tiruchi-Srirangam                       | .. | .. | .. | Do.                    |
| 6 | East Tanjore                            | .. | .. | .. | Do.                    |
| 7 | East Ramanathapuram                     | .. | .. | .. | Do.                    |
| 8 | Pudukkottah State                       | .. | .. | .. | Do.                    |
| 9 | Nagapattinam                            | .. | .. | .. | Do.                    |

The Ponnamaravathy, Carnatic and Karaikudi licensees amended their booklets of rates and conditions with reference to the conditions of licences. The following local authority undertakings have also adjusted their rates by amending certain provisions in their booklets:—

- (1) Bodinayakanur,
- (2) Tirupattur and
- (3) Coimbatore.

There was difference of opinion between the Vellore licensee and Government over the question of allowing the income-tax paid by the licensee to be taken as item of expenditure for arriving at the profit and the matter was referred to arbitration. The Arbitrator upheld the views of the Government. The licensee has now filed a petition in the High Court for setting aside the award of the Arbitrator. A counter-statement is being filed on behalf of the Government.

No prosecutions were launched during the year under report under the Indian Electricity Act and Rules.

95. *Inspections.*—One hundred and fifty-four inspections were made during the year.

96. *Restrictions and control and freezing orders.*—These orders issued under the Madras Essential Articles Control and Requisitioning (Temporary Powers) Act, 1949 (Madras Act XXIX of 1949), will continue to be in force up to and inclusive of 25th January 1955. The question of enactment of separate legislation for the purpose of Restriction and Control and Surcharge Orders will be considered, if necessary nearer the time of expiry of the above Madras Act XXIX of 1949.

97. *Supply position in licensees' areas.*—In the hydro-electric areas, the restrictions on power supply and the cut in consumption of energy imposed by the Department on account of power shortage caused by the failure of monsoon were in force at the beginning of the year and were removed in July 1953.

In the Mangalore Undertaking consequent on the breakdown of one of the engine sets in the licensees power house in the last week of November 1953 a ban on connecting of all but essential loads, in addition to other restrictions was imposed. The 500 KW. diesel set loaned to the licensee by the Department was under erection and was expected to be commissioned in April 1954.

98. *Assistance to licensees with regard to procurement of iron and steel materials.*—Necessary assistance was given to the licensees in procuring iron and steel materials including second hand rails.

99. *Laboratory.*—During the year, supply pressure, and meter tests were carried out as per details below. The figures furnished include those relating to Andhra State and areas transferred to Mysore State, as testing work for these areas continued to be done here even after partition:—

100. *Laboratory tests.*—

|                                     |       |       |
|-------------------------------------|-------|-------|
| 1 Rotating and sub-standard meters  | .. .. | 267   |
| 2 Commercial meters and instruments | .. .. | 338   |
| 3 Transformer oil samples           | .. .. | 91    |
| 4 Fire extinguishers                | .. .. | 929   |
| 5 Laboratory standards              | .. .. | 19    |
| Total                               | .. .. | 1,644 |

*Inspection Tests—*

|                                                   |       |       |
|---------------------------------------------------|-------|-------|
| 6 Supply pressure tests                           | .. .. | 116   |
| 7 Meter tests                                     | .. .. | 116   |
| 8 High pressure tests at Basin Bridge 'B' Station |       | 37    |
| Total                                             | .. .. | 269   |
| Grand total                                       | .. .. | 1,913 |

Out of 267 rotating substandard meters tested at the laboratory 190 were from the systems and the rest from the licensees.

One hundred and fifty magnets were flashed during the year.

High tension D.C. tests were carried out on (1) the Pollachi Negamam 66 KV. single circuit line (8.9 miles long), (2) 12,500 KVA. alternator at Basin Bridge and (3) synchronous condensers and exciters at Korattur sub-station.

The revenue of the laboratory during the year including system adjustments was Rs. 16,000.

101. *Administration of Local Authorities Electrical Undertakings.*—Consequent on the merger of the Local Authorities Electrical Engineers Service with the Madras Electrical and Madras Electrical Subordinate Services orders regarding transfers, sanction of leave, etc., of all members of the service including temporary Electrical Engineers who are working in the taken over undertakings are being issued by the Chief Engineer (Electricity) while such orders in respect of Engineers working in the non-acquired electrical undertakings and orders regarding promotions, etc., in respect of all Engineers are issued by the Government.

No loans were sanctioned by Government to any of the local authority undertakings. Tenders to the value of Rs. 36,000 were scrutinized and advice given to the local authority electrical undertakings on the purchase of electrical materials.

102. *Cinematograph Act and Rules.*—There were 644 cinemas at the end of the year of which 312 were permanent and 332 were touring. The number of inspections done during the year was 644.

Rule 38 (4) of the Madras Cinematograph Rules was amended so as to provide for the test of fire extinguishers once in two years. The pressure test for fire extinguishers was reduced from 350 to 300 pounds per square inch.

103. *Cinema Operators' licences.*—Only one examination for cinema operators was held during the year. Eighty-seven candidates were admitted of whom 86 appeared and 39 were declared successful. Eighty-four original licences and 97 renewals were issued during the year.

104. *Administration of the Madras Electricity Duty Act, 1939.*—Tiruchi-Srirangam and Madurai licensees continued to top the list of duty paying licensees. The total number of licensees paying duty at the end of the year was 30.

During the year the accounts of 14 electrical undertakings were inspected under the Act.

105. *Revenue and expenditure.*—The revenue realized by the Inspectorate under different heads of account and the total expenditure were as given below :—

|                                                                                                             | 1953-54.  |              |
|-------------------------------------------------------------------------------------------------------------|-----------|--------------|
|                                                                                                             | Revenue.  | Expenditure. |
|                                                                                                             | RS.       | RS.          |
| (1) From inspections under the Indian Electricity Act, Cinematograph Act, tests and miscellaneous receipts. | 90,944    | ..           |
| (2) From penalty for excess consumption of electricity ..                                                   | ..        | ..           |
| (3) From Madras Electricity Duty Act, 1939 .. ..                                                            | 10,19,713 | ..           |
| (4) Fees for use of Government water for generation of electricity .. .. .                                  | 20,000    | ..           |
| (5) Fees for audit of licensees' accounts on behalf of the Government by the Audit Officer and staff ..     | 8,142     | ..           |
| Total ..                                                                                                    | 11,38,799 | 1,70,153     |

106. *Accidents.*—The following statement shows the number of electrical accidents in the State during 1953-54.

| Systems.                         | Departmental employees. |                                 |               | Non-departmental employees. |                       |               | Consumers' premises. |                             | Total |
|----------------------------------|-------------------------|---------------------------------|---------------|-----------------------------|-----------------------|---------------|----------------------|-----------------------------|-------|
|                                  | Unauthorized working.   | Non-compliance of safety rules. | Other causes. | Snapped conductors.         | Inquisitive climbing. | Other causes. | Careless handling.   | Faulty equipment or wiring. |       |
| (1)                              | (2)                     | (3)                             | (4)           | (5)                         | (6)                   | (7)           | (8)                  | (9)                         | (10)  |
| <b>Government Systems—Fatal—</b> |                         |                                 |               |                             |                       |               |                      |                             |       |
| Pykara System .. ..              | ..                      | ..                              | 2             | 8                           | ..                    | 6             | ..                   | 2                           | 18    |
| Mettur System .. ..              | ..                      | ..                              | ..            | ..                          | 7                     | 11            | ..                   | ..                          | 18    |
| Papanasam System .. ..           | ..                      | ..                              | 1             | 2                           | 5                     | 8             | ..                   | ..                          | 16    |
| Madras System .. ..              | ..                      | ..                              | ..            | ..                          | 1                     | 4             | ..                   | ..                          | 5     |
|                                  |                         |                                 |               |                             |                       |               | Total ..             |                             | 57    |
| <b>Non-fatal—</b>                |                         |                                 |               |                             |                       |               |                      |                             |       |
| Pykara System .. ..              | ..                      | ..                              | 18            | ..                          | ..                    | 16            | ..                   | ..                          | 34    |
| Mettur System .. ..              | ..                      | ..                              | 1             | 5                           | 2                     | 10            | 2                    | 2                           | 20    |
| Papanasam System .. ..           | ..                      | ..                              | 2             | 4                           | 6                     | 2             | ..                   | ..                          | 20    |
| Madras System .. ..              | 1                       | ..                              | 3             | ..                          | 1                     | 4             | ..                   | ..                          | 9     |
|                                  |                         |                                 |               |                             |                       |               | Total ..             |                             | 90    |
| <b>Many licensees—</b>           |                         |                                 |               |                             |                       |               |                      |                             |       |
| Non-fatal .. ..                  | ..                      | ..                              | ..            | ..                          | ..                    | 5             | 4                    | 2                           | 11    |
|                                  | ..                      | ..                              | 3             | 11                          | 3                     | 5             | ..                   | 1                           | 23    |
|                                  |                         |                                 |               |                             |                       |               | Total ..             |                             | 51    |
| <b>B. Local Authorities—</b>     |                         |                                 |               |                             |                       |               |                      |                             |       |
| Fatal .. ..                      | ..                      | ..                              | 2             | ..                          | 1                     | ..            | 1                    | 2                           | 6     |
| Non-fatal .. ..                  | ..                      | ..                              | 3             | ..                          | ..                    | ..            | ..                   | ..                          | 3     |
|                                  |                         |                                 |               |                             |                       |               | Total ..             |                             | 11    |
| <b>C. Non-licensees—</b>         |                         |                                 |               |                             |                       |               |                      |                             |       |
| Fatal .. ..                      | ..                      | ..                              | 1             | ..                          | ..                    | 1             | ..                   | ..                          | 3     |
| Non-fatal .. ..                  | ..                      | ..                              | ..            | ..                          | 1                     | ..            | 1                    | 1                           | 3     |
|                                  |                         |                                 |               |                             |                       |               | Total ..             |                             | 6     |
|                                  |                         |                                 |               |                             |                       |               | Grand total ..       |                             | 222   |

107. *Staff.*—Sri G. Sundaram, Part-time Consulting Engineer to Government, assumed charge as Chief Engineer for Electricity on 10th September 1953, *f.n. vice* Sri B. R. Somayajulu, appointed as Special Officer, Andhra State from that date.

Sri N. R. Narasimhamurthi assumed charge as Chief Operation Engineer (North) on 22nd October 1953, *f.n. vice* Sri M. B. Kandaswamy.

Sri M. B. Kandaswamy assumed charge as Chief Operation Engineer (South) on 22nd October 1953, *f.n. vice* Sri N. R. Narasimhamurthi.

Sri N. R. Narasimhamurthi, Chief Operation Engineer (North), proceeded on leave on average pay for four months from 18th January 1954, *a.n.*

Sri A. R. Narayana Rao, Superintending Engineer (Generation), Madras Electricity System, proceeded on leave for two months from 1st May 1953 and rejoined the same post on the expiry of the leave.

Sri A. R. Narayana Rao assumed charge as Superintending Engineer (Distribution), Madras Electricity System, on 18th September 1953, *a.n. vice* Sri S. N. Ramachandra Rao proceeded on leave.

Sri A. R. Narayana Rao, Superintending Engineer (Distribution), Madras Electricity System, assumed charge as Chief Operation Engineer (North) from 18th January 1954, *a.n. vice* Sri N. R. Narasimhamurthi.

Sri V. K. Govinda Menon, Superintending Engineer, Rayalaseema Power System, proceeded on leave for one month from 18th April 1953 and rejoined the same System on the expiry of the leave.

Sri V. K. Govinda Menon assumed charge as Superintending Engineer (Generation), Hydro Areas, Erode, from 10th October 1953, *f.n. vice* Sri P. R. Sundaram reverted as Divisional Electrical Engineer.

On return from deputation Sri V. P. Appadurai joined as Superintending Engineer, Technical (Electrical), on 18th September 1953, *a.n. vice* Sri P. V. A. Narayanamurthy.

Sri P. V. A. Narayanamurthy assumed charge as Superintending Engineer (Generation), Madras Electricity System, on 18th September 1953, *a.n. vice* Sri A. R. Narayana Rao.

On return from leave, Sri S. N. Ramachandra Rao, assumed charge as Superintending Engineer (Distribution), Madras Electricity System, from 18th January 1954, *a.n. vice* Sri A. R. Narayana Rao.

On abolition of the post of Chief Construction Engineer (Electricity), Sri S. R. Krishnamurthi assumed charge as part-time Consulting Engineer to Government (Civil), Madras State, on 1st October 1953, *f.n.*

Sri P. M. Chengappa, Superintending Engineer (Civil), Thungabathra Hydro Electric Scheme, was transferred as Superintending Engineer, General Construction Circle, and he assumed charge at Tiruchirappalli on 5th October 1953, *a.n. vice* Sri G. Venkataraman, proceeded on leave.

Sri K. M. Subramaniam was appointed as Officer on special duty and Chief Controller of Accounts with effect from 15th September 1953, *a.n.* and 1st October 1953, respectively.

108. *Acknowledgment.*—The thanks of the Department are due to the Director-General, India Store Department, London, Central Water and Power Commission, Simla, and other control authorities for their valued help during the year. Thanks are also due to the Posts and Telegraphs Department and the several contracting firms who assisted this Department in its various activities.

Appreciation of the hard and willing work put in by all the members of the Department notwithstanding difficult living conditions is hereby recorded.

V. P. APPADURAI,  
Chief Engineer for Electricity.

## APPENDICES.

### APPENDIX A.

*List of construction works undertaken—81-A. Capital Outlay on Electricity Schemes with expenditure to end of March 1954.*

| Names of schemes.                             | Expenditure during 1953-54. | Total expenditure against estimates. |
|-----------------------------------------------|-----------------------------|--------------------------------------|
|                                               | RS.                         | RS.                                  |
| <i>Schemes under operation.</i>               |                             |                                      |
| I. Hydro-Electric Schemes—                    |                             |                                      |
| Pykara System—                                |                             |                                      |
| Pykara Hydro-Electric Scheme .. .. .          | 39,60,088                   | 1,91,76,766                          |
| Distribution of Power .. .. .                 | 18,14,400                   | 2,47,37,078                          |
| West Coast Extension .. .. .                  | 3,74,077                    | 65,39,889                            |
| Nilambur Manjeri .. .. .                      | 3,395                       | 2,56,612                             |
| Kollegal .. .. .                              | 3,409                       | 2,45,477                             |
| Supply to Palghat .. .. .                     | ..                          | 1,21,160                             |
| " Fort Hall .. .. .                           | ..                          | 6,105                                |
| " Mukurthi Dam .. .. .                        | ..                          | 14,95,150                            |
| " Madurai .. .. .                             | ..                          | 22,78,455                            |
| " Periyakulam .. .. .                         | ..                          | 2,24,429                             |
| " Gobichettipalayam .. .. .                   | ..                          | 1,94,969                             |
| Additional Generating Sets .. .. .            | ..                          | 41,66,155                            |
| Mukurthi Spillway Gates .. .. .               | ..                          | 2,60,062                             |
| Acquired Undertakings .. .. .                 | — 34,81,736                 | — 33,19,458                          |
| Udipi-Karkala .. .. .                         | 2,31,676                    | 7,90,505                             |
| Government Coochin .. .. .                    | 16,400                      | 1,01,585                             |
| Moyar Hydro-Electric Scheme .. .. .           | 11,33,170                   | 3,41,50,914                          |
| Suspense .. .. .                              | — 1,73,613                  | 61,85,365                            |
| Total ..                                      | 38,81,266                   | 9,76,11,218                          |
| Mettur Electricity System—                    |                             |                                      |
| Mettur Main Scheme .. .. .                    | 16,40,275                   | 1,50,83,074                          |
| Construction of quarters at Mettur .. .. .    | ..                          | 6,09,160                             |
| Erode-Tiruchirappalli Extension .. .. .       | — 39,928                    | 12,69,886                            |
| Tiruchirappalli-Nagapattinam .. .. .          | — 35,554                    | 21,82,998                            |
| Ranipet-Kaveripauk .. .. .                    | — 6,688                     | 4,69,488                             |
| Supply to Arkonam .. .. .                     | ..                          | 3,06,631                             |
| Chittoor-Pakala .. .. .                       | — 668                       | 2,71,226                             |
| Karur Electricity Scheme .. .. .              | ..                          | 78,049                               |
| Mettur-Salem-Erode .. .. .                    | ..                          | 4,85,821                             |
| Komarapalayam Extensions .. .. .              | ..                          | 26,303                               |
| Rasipuram Extensions .. .. .                  | ..                          | 72,886                               |
| Distribution of power .. .. .                 | 13,18,954                   | 1,77,96,952                          |
| Extension to Office Building .. .. .          | ..                          | 35,371                               |
| Guditham Undertaking .. .. .                  | ..                          | 3,73,022                             |
| Veerapandy Firka .. .. .                      | ..                          | 2,12,252                             |
| Kuppam Extension .. .. .                      | 38,830                      | 8,96,997                             |
| Mettur IV Unit .. .. .                        | ..                          | 15,17,748                            |
| Madras-Mettur Inter-connection Scheme .. .. . | 24,67,919                   | 1,05,25,818                          |
| Dandikuppam .. .. .                           | 3                           | 2,77,891                             |
| Kadambuliur Firka .. .. .                     | 695                         | 4,64,097                             |
| Usamboddy-Mullavady .. .. .                   | 85,607                      | 1,77,982                             |
| Acquired Undertaking .. .. .                  | — 2,03,470                  | — 1,69,153                           |
| Workshop expansion .. .. .                    | 13,725                      | 11,72,388                            |
| Transferred to Madras System .. .. .          | ..                          | — 9,27,927                           |
| Suspense .. .. .                              | — 1,52,625                  | 95,71,363                            |
| Total ..                                      | 51,27,066                   | 6,23,82,323                          |

## APPENDIX A—cont.

List of construction works undertaken—81-A. Capital Outlay on Electricity Schemes with expenditure to end of March 1954—cont.

| Name of schemes.                                                                              | Expenditure during 1953-54. | Total expenditure against estimates. |
|-----------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|
| RS.                                                                                           | RS.                         |                                      |
| <i>Schemes under operation—cont.</i>                                                          |                             |                                      |
| <b>I. Hydro-Electric Schemes—cont.</b>                                                        |                             |                                      |
| <b>Papanasam System—</b>                                                                      |                             |                                      |
| Papanasam Hydro-Electric Scheme .. .. .                                                       | 9,54,575                    | 1,55,27,120                          |
| Distribution of Power .. .. .                                                                 | 12,19,131                   | 77,48,050                            |
| Supply to Virudhunagar .. .. .                                                                | ..                          | 8,89,001                             |
| " Koilpatti .. .. .                                                                           | ..                          | 5,15,176                             |
| " Ramanathapuram .. .. .                                                                      | ..                          | 4,12,692                             |
| " Madurai .. .. .                                                                             | ..                          | 9,69,567                             |
| " Sholavandan .. .. .                                                                         | ..                          | 1,95,229                             |
| " Shankaranagar .. .. .                                                                       | 22,804                      | 2,71,676                             |
| " Chinnamaniachi .. .. .                                                                      | 1,308                       | 3,20,830                             |
| " Melli Firka .. .. .                                                                         | ..                          | 2,92,758                             |
| " North Malli .. .. .                                                                         | 1,28,007                    | 4,77,535                             |
| " Okkur .. .. .                                                                               | 2,989                       | 3,23,010                             |
| " Neikuppai .. .. .                                                                           | ..                          | 367                                  |
| " Travancore .. .. .                                                                          | — 5,762                     | 97,937                               |
| " Venkatasamudram .. .. .                                                                     | ..                          | 7,74,755                             |
| " Kadayanallore .. .. .                                                                       | 82                          | 2,16,423                             |
| " Kunnathur-Kallupatti .. .. .                                                                | — 9,329                     | 4,88,863                             |
| " Ramnathapuram Mandapam .. .. .                                                              | 6,910                       | 2,57,995                             |
| Quarters at Kayattar .. .. .                                                                  | 1,614                       | 2,69,731                             |
| Madurai-Koilpatti II Circuit line .. .. .                                                     | — 263                       | 1,33,557                             |
| Papanasam IV Unit .. .. .                                                                     | — 3,245                     | 15,03,288                            |
| Acquired Undertakings .. .. .                                                                 | — 18,649                    | 48,51,371                            |
| Madurai-Thermal Scheme I Part .. .. .                                                         | — 6,27,118                  | 3,94,368                             |
| Distribution of power under construction .. .. .                                              | ..                          | 59,47,265                            |
| Transformer changes at Madurai-Virudhunagar, etc. .. .. .                                     | 3,57,860                    | 4,95,401                             |
| Pazamkottai .. .. .                                                                           | 6,505                       | 2,97,027                             |
| Kilrajakularaman .. .. .                                                                      | 2,85,773                    | 4,66,337                             |
| Suspense .. .. .                                                                              | 2,03,468                    | 3,52,095                             |
|                                                                                               | 6,41,329                    | 79,67,091                            |
| <b>Total ..</b>                                                                               | <b>31,63,356</b>            | <b>5,24,55,948</b>                   |
| <b>Madras System—</b>                                                                         |                             |                                      |
| Madras-Thermal Scheme .. .. .                                                                 | 18,19,145                   | 2,16,81,704                          |
| Madras Main Scheme .. .. .                                                                    | ..                          | — 33,779                             |
| Distribution of power .. .. .                                                                 | 16,63,106                   | 1,10,37,359                          |
| Kodambakkam-Kadambathore .. .. .                                                              | 38                          | 3,47,476                             |
| Acquired Undertakings .. .. .                                                                 | — 10,28,390                 | — 10,70,998                          |
| Improvements to 'A' Station, Erection of 2 Nos. 25,000 K.W. Sets B Station Extensions .. .. . | 58,99,896                   | 3,48,00,308                          |
| Amount transferred from Mettur System .. .. .                                                 | ..                          | 9,27,927                             |
| Suspense .. .. .                                                                              | 13,48,248                   | 1,02,74,931                          |
| <b>Total ..</b>                                                                               | <b>97,01,843</b>            | <b>7,79,64,928</b>                   |
| <b>Total, Operation ..</b>                                                                    | <b>2,18,78,531</b>          | <b>29,09,14,412</b>                  |

*Schemes under construction.***II. Thermo-Electric Schemes—****Pykara System—**

|                                           |           |             |
|-------------------------------------------|-----------|-------------|
| Tirur-Ponnani .. .. .                     | 1,39,076  | 9,07,068    |
| Kugalur .. .. .                           | — 254     | — 42        |
| Alathur .. .. .                           | 3,14,426  | 3,14,557    |
| Singanallur-Somanur .. .. .               | 7,82,448  | 8,47,771    |
| Kollengode .. .. .                        | 2,22,019  | 4,55,795    |
| Marikundu-Subbalapuram .. .. .            | 2,550     | 2,10,899    |
| Pykara Plant Extensions III Stage .. .. . | 68,46,301 | 3,04,91,166 |
| Pykara-Coimbatore-Madurai line .. .. .    | 34,09,598 | 62,16,486   |

## APPENDIX A—cont.

List of construction works undertaken—81-A. Capital Outlay on Electricity Schemes with expenditure to end of March 1954—cont.

| Name of Schemes.                          | Expenditure during 1953-54. | Total expenditure against estimate. |
|-------------------------------------------|-----------------------------|-------------------------------------|
| RS.                                       | RS.                         |                                     |
| <i>Schemes under construction—cont.</i>   |                             |                                     |
| <b>II. Thermo-Electric Schemes—cont.</b>  |                             |                                     |
| <b>Pykara System—cont.</b>                |                             |                                     |
| South-Kanara .. .. .                      | 11,34,370                   | 21,12,734                           |
| Pollachi Sub-station .. .. .              | 3,69,701                    | 7,40,602                            |
| Mangalore-Thermal .. .. .                 | 3,57,880                    | 3,57,880                            |
| Kaguochi .. .. .                          | 1,16,111                    | 1,16,111                            |
| Ithalur-Nanjanad .. .. .                  | 83,535                      | 83,535                              |
| Somanur-Puliampatty .. .. .               | 94,772                      | 94,772                              |
| Suspense .. .. .                          | — 91,938                    | 22,92,894                           |
| <b>Total—Pykara System ..</b>             | <b>1,37,80,594</b>          | <b>4,52,42,228</b>                  |
| <b>Mettur System—</b>                     |                             |                                     |
| Pichuvakkam .. .. .                       | 2,80,430                    | 2,83,962                            |
| Renigunta-Kalahasti .. .. .               | ..                          | 1,488                               |
| Erode-Salem Extensions .. .. .            | 3,09,391                    | 25,79,056                           |
| Erode-Tiruchirappalli-Dalmia .. .. .      | 5,39,317                    | 48,77,032                           |
| Tanjore-Mayuram .. .. .                   | 7,14,942                    | 30,88,523                           |
| Sendamangalam .. .. .                     | 1,33,602                    | 1,33,602                            |
| Nemili .. .. .                            | 1,88,719                    | 1,88,719                            |
| Sirukarambur-Ocheri .. .. .               | 1,39,781                    | 1,39,781                            |
| Salem-Namakkal .. .. .                    | 772                         | 772                                 |
| Suspense .. .. .                          | 4,85,148                    | 33,20,240                           |
| <b>Total ..</b>                           | <b>27,92,102</b>            | <b>1,46,13,175</b>                  |
| <b>Papanasam System—</b>                  |                             |                                     |
| Madurai Thermal .. .. .                   | 9,33,438                    | 55,67,458                           |
| Papanasam-Tenkasi-Kayattar .. .. .        | 7,21,258                    | 23,67,715                           |
| Madurai-Sivaganga .. .. .                 | 4,63,163                    | 13,35,972                           |
| Madurai-Thirumangalam-Rajapalayam .. .. . | 9,69,138                    | 34,47,098                           |
| Melakallur-Kalakad .. .. .                | 4,39,452                    | 4,51,560                            |
| Srivaikuntam .. .. .                      | 3,37,918                    | 4,05,981                            |
| Surandai-Sundarapandiapuram .. .. .       | 4,26,247                    | 5,08,092                            |
| Suspense .. .. .                          | — 5,47,283                  | 81,166                              |
| <b>Total ..</b>                           | <b>37,43,321</b>            | <b>1,41,65,049</b>                  |
| <b>Madras Electricity System—</b>         |                             |                                     |
| 'B' Station Extension .. .. .             | 35,47,929                   | 77,61,342                           |
| Nemili-Keerapakkam .. .. .                | 33                          | 54,365                              |
| Kanohesapuram-Chingleput-Arkonam .. .. .  | 72,061                      | 16,69,613                           |
| Suspense .. .. .                          | — 5,21,964                  | — 16,56,071                         |
| <b>Total ..</b>                           | <b>30,98,058</b>            | <b>78,29,649</b>                    |
| <b>Total Construction ..</b>              | <b>2,34,14,075</b>          | <b>3,18,50,089</b>                  |
| <b>Grand Total ..</b>                     | <b>4,52,92,309</b>          | <b>87,27,64,501</b>                 |

## APPENDIX B.

*Budget provision for Capital Works in 1954-55.*

| Serial number and particulars.                                                                                                                | Budget estimate for 1954-55.<br>RS. |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>81-A. I. CAPITAL OUTLAY ON ELECTRICITY SCHEMES.</b>                                                                                        |                                     |
| <b>1. Hydro-Electric Schemes—</b>                                                                                                             |                                     |
| <b>A. Pykara Hydro-Electric Scheme—</b>                                                                                                       |                                     |
| 1 Generation .. .. .                                                                                                                          | 59,500                              |
| Transmission and distribution .. .. .                                                                                                         | 27,50,400                           |
| Distribution of power .. .. .                                                                                                                 | 35,11,800                           |
| Extensions costing over Rs. 2 lakhs .. .. .                                                                                                   | 35,37,100                           |
| 2 Moyar Scheme .. .. .                                                                                                                        | 98,58,800                           |
| 3 Pykara Plant Extension III and Final Stage .. .. .                                                                                          | 3,13,300                            |
| 4 66 K.V. Extension to and construction of a Sub-station at Pollachi. .. .. .                                                                 | 75,80,500                           |
| 5 Supply to South Kanara district .. .. .                                                                                                     | 9,50,300                            |
| Total, Pykara Hydro-Electric Scheme .. .. .                                                                                                   | 2,08,00,300                         |
| <b>B. Mettur Hydro-Electric Scheme—</b>                                                                                                       |                                     |
| 1 Generation .. .. .                                                                                                                          | 500                                 |
| 2 Transmission and distribution .. .. .                                                                                                       | 23,15,100                           |
| Distribution of power .. .. .                                                                                                                 | 35,91,300                           |
| Extensions costing over Rs. 2 lakhs .. .. .                                                                                                   | 49,76,900                           |
| 3 Madras-Mettur Inter-connection Scheme .. .. .                                                                                               | 62,53,600                           |
| 4 Salem-Namakal 110 K.V. line .. .. .                                                                                                         | 10,92,100                           |
| 5 Extension of supply from Erode to Tiruchirappalli and Dalmiapuram. .. .. .                                                                  | 24,49,000                           |
| 6 66/110 K.V. Extension from Erode to Salem .. .. .                                                                                           | 46,100                              |
| 7 Mettur Workshop Extension Scheme .. .. .                                                                                                    | 1,41,600                            |
| 8 Tanjore-Mayavaram-Chidambaram Extension .. .. .                                                                                             | 300                                 |
|                                                                                                                                               | 71,900                              |
|                                                                                                                                               | 1,00,54,600                         |
| <b>C. Papanasam Hydro-Thermal Scheme—</b>                                                                                                     |                                     |
| 1 Generation .. .. .                                                                                                                          | 14,300                              |
| Transmission and distribution .. .. .                                                                                                         | 21,63,400                           |
| Distribution of power .. .. .                                                                                                                 | 35,47,200                           |
| Extensions costing over Rs. 2 lakhs .. .. .                                                                                                   | 53,57,800                           |
| 2 Papanasam Plant Extensions .. .. .                                                                                                          | 67,55,900                           |
|                                                                                                                                               | 17,35,300                           |
|                                                                                                                                               | 85,41,700                           |
| <b>D. Periyar Hydro-Electric Scheme .. .. .</b>                                                                                               |                                     |
|                                                                                                                                               | 80,00,000                           |
| Total, 81-A. I. Hydro-Electric Schemes .. .. .                                                                                                | 4,23,96,600                         |
| <b>81-A. II. THERMO-ELECTRIC SCHEME.</b>                                                                                                      |                                     |
| <b>Madras Thermal Scheme—</b>                                                                                                                 |                                     |
| 1 Generation .. .. .                                                                                                                          | 31,24,000                           |
| Distribution of power .. .. .                                                                                                                 | 28,07,500                           |
| Extensions costing over Rs. 2 lakhs .. .. .                                                                                                   | 9,44,100                            |
| 2 Madras Power Station Extensions .. .. .                                                                                                     | 6,27,600                            |
| 3 Chingleput-Kancheepuram-Arkonam Extension .. .. .                                                                                           | 63,44,800                           |
|                                                                                                                                               | 25,400                              |
| Total, 81-A. II. Thermo-Electric Schemes .. .. .                                                                                              | 68,97,600                           |
| Lump-sum provision for payment of compensation for acquisition of Electrical Undertakings of local authorities and private companies. .. .. . | 2,62,100                            |
| Total, 81-A. Capital Outlay on Electricity Schemes .. .. .                                                                                    | 4,95,56,300                         |

## APPENDIX C.

*Details of establishment charges and fees earned during 1953-54 and estimated for 1954-55.*

|                                                                           | Expenditure during 1953-54.<br>RS. | Budget Estimate for 1954-55.<br>RS. |
|---------------------------------------------------------------------------|------------------------------------|-------------------------------------|
| <b>Pykara Hydro-Electric Scheme—</b>                                      |                                    |                                     |
| Salaries, allowances and other charges .. .. .                            | 14,28,666                          | 12,79,560                           |
| Add charges payable to Government Departments, etc. .. .. .               | 2,29,785                           | 3,18,800                            |
| Total .. .. .                                                             | 16,58,451                          | 15,98,360                           |
| Less charges recoverable from Government, Departments and others. .. .. . | 4,50,803                           | 10,27,400                           |
| Total .. .. .                                                             | 12,07,648                          | 5,70,960                            |
| Operation and maintenance expenses excluding suspense .. .. .             | 49,20,412                          | 54,07,900                           |
| Grand total .. .. .                                                       | 61,28,060                          | 59,78,660                           |
| Gross Revenue .. .. .                                                     | 1,39,30,571                        | 1,55,18,700                         |
| Net surplus .. .. .                                                       | 78,02,511                          | 95,40,040                           |
| <b>Mettur Hydro-Electric Scheme—</b>                                      |                                    |                                     |
| Salaries, allowances and other charges .. .. .                            | 10,81,708                          | 11,15,585                           |
| Add charges payable to Government Departments, etc. .. .. .               | 1,35,876                           | 1,51,100                            |
| Total .. .. .                                                             | 12,17,584                          | 12,66,685                           |
| Less charges recoverable from Government Departments and others. .. .. .  | 5,46,935                           | 8,62,500                            |
| Total .. .. .                                                             | 6,70,449                           | 4,03,785                            |
| Operation and maintenance expenses excluding suspense .. .. .             | 60,51,099                          | 74,23,300                           |
| Grand total .. .. .                                                       | 67,21,548                          | 78,26,085                           |
| Gross Revenue .. .. .                                                     | 1,10,01,156                        | 1,28,90,000                         |
| Net surplus .. .. .                                                       | 42,79,608                          | 50,60,915                           |
| <b>Papanasam Hydro-Thermal Scheme—</b>                                    |                                    |                                     |
| Salaries, allowances and other charges .. .. .                            | 9,15,857                           | 8,66,255                            |
| Add charges payable to Government Departments, etc. .. .. .               | 68,201                             | 81,700                              |
| Total .. .. .                                                             | 9,84,508                           | 9,47,955                            |
| Less charges recoverable from Government Departments and others. .. .. .  | 3,17,997                           | 8,13,500                            |
| Total .. .. .                                                             | 6,66,061                           | 1,34,455                            |
| Operation and maintenance expenses excluding suspense .. .. .             | 40,24,067                          | 49,52,900                           |
| Grand total .. .. .                                                       | 46,90,128                          | 50,87,355                           |
| Gross Revenue .. .. .                                                     | 57,73,807                          | 58,74,800                           |
| Net surplus .. .. .                                                       | 10,83,679                          | 7,87,445                            |

## APPENDIX C—cont.

*Details of establishment charges and fees earned during 1953-54 and estimated for 1954-55—cont.*

|                                                                                | Expenditure during 1953-54. | Budget Estimate for 1954-55. |
|--------------------------------------------------------------------------------|-----------------------------|------------------------------|
|                                                                                | RS.                         | RS.                          |
| <b>4. Madras Thermal Scheme—</b>                                               |                             |                              |
| Salaries, allowances and other charges .. .. .                                 | 12,15,597                   | 12,68,700                    |
| Add charges payable to Government Departments, etc. ..                         | 2,16,819                    | 2,26,400                     |
| Total ..                                                                       | 14,32,416                   | 14,95,100                    |
| <b>Less charges recoverable from Government Departments and others .. .. .</b> | <b>5,83,629</b>             | <b>6,99,800</b>              |
| Total ..                                                                       | 8,48,787                    | 7,95,800                     |
| <b>Operation and maintenance expenses excluding suspense ..</b>                | <b>1,27,05,173</b>          | <b>1,32,79,000</b>           |
| Grand total ..                                                                 | 1,35,53,960                 | 1,40,74,800                  |
| Gross Revenue ..                                                               | 1,73,45,494                 | 1,83,09,100                  |
| Net surplus ..                                                                 | 37,91,534                   | 42,34,300                    |

## APPENDIX D-1.

*List of electric supply undertakings in service on 31st March 1954.*

| (a) Local authorities.       | (b) Company Licensees—cont.     | (c) Company Licensees—cont.                                                                      |
|------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------|
| 1 Bodinayakanur              | 5 Devakottai                    | 18 Tirunelveli-Tuticorin                                                                         |
| 2 Coimbatore                 | 6 East Ramanathapuram           | 19 Vellore                                                                                       |
| 3 Karur                      | 7 Kanadukathan                  | 20 Pudukkottai Electric Supply Corporation, Ltd.                                                 |
| 4 Madurai                    | 8 Karakkudi                     | 21 Pudukkottai State Electric Licensee                                                           |
| 5 Pollachi                   | 9 Kumbakonam                    | 22 Ramachandrapuram                                                                              |
| 6 Tanjore                    | 10 Mangalore                    | 23 Ponnammavathy                                                                                 |
| 7 Tiruppattur                | 11 Mayuram-Mannargudi-Tiruvarur | 24 Kanara Ceramics, Limited, Kasaragod. (Sanctioned under section 28 of Indian Electricity Act.) |
| (b) Company Licensees.       | 12 Nattarasankottai             |                                                                                                  |
| 1 Ambur-Vaniyambadi Licensee | 13 Nagapattinam                 |                                                                                                  |
| 2 Kozhikode                  | 14 Palghat                      |                                                                                                  |
| 3 Chingleput                 | 15 South Arcot                  |                                                                                                  |
| 4 Cannanore-Tellicherry      | 16 Salem-Erode                  |                                                                                                  |
|                              | 17 Tiruchirappalli-Srirangam    |                                                                                                  |

## APPENDIX D-2.

*Licensees under construction.*

Nil.

## APPENDIX D-3.

*New applications for licences received.*

Nil.

## APPENDIX D-4.

*List of undertakings put into service.*

Nil.

## APPENDIX D-5.

*List of licensees who reduced their tariffs.*

1 Salem-Erode.

2 Tirunelveli-Tuticorin.

## APPENDIX D-6.

*List of licensees who increased their tariffs.*

- 1 Kanadukathan Electric Supply Corporation, Limited.
- 2 Pudukkottai Electric Supply Corporation, Limited.
- 3 Tiruchirappalli-Srirangam Electric Licensee.
- 4 Mayuram-Mannargudi-Tiruvarur Licensee.
- 5 East Ramanathapuram Electric Licensee.
- 6 Pudukkottai State Electric Licensee.
- 7 Nagapattinam Electric Supply Company, Limited.

## APPENDIX D-7.

*List of licensees charging more than 6 annas per unit for lighting and fans.*

Nil.

## APPENDIX E.

*Total capacities of plants installed in electric supply undertakings in service in the State.*

| Serial number and name of undertaking. | Total installed capacity of plant in generating station. | Details of plant installed.                                             | Type of prime mover. | Voltage of generation, AC. |
|----------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------|----------------------|----------------------------|
| (1)                                    | (2)                                                      | (3)                                                                     | (4)                  | (5)                        |
| <i>I.—Licensee undertakings.</i>       |                                                          |                                                                         |                      |                            |
| 1 Mangalore ..                         | 1,605 KVA. or 1,284 KW.                                  | 3 x 312.5 KVA. 2 x 334 KVA.                                             | Oil engine Do.       | 3.3 KV 3.3 KV              |
| <i>II.—Government undertakings.</i>    |                                                          |                                                                         |                      |                            |
| 1. Pykara system—                      |                                                          |                                                                         |                      |                            |
| (a) Pykara House.                      | Power 43,700 KW.                                         | 3 x 7,810 KVA.                                                          |                      |                            |
| (b) Udipi ..                           | 558 KW.                                                  | 1 x 110 KW. 2 x 224 KW.                                                 |                      |                            |
| (c) Karkala ..                         | 95 KW.                                                   | 2 x 21.9 KVA. 1 x 40 KW. 1 x 20 KW.                                     |                      |                            |
| 2. Moyar system—                       |                                                          |                                                                         |                      |                            |
| Moyar Power House.                     | 36,000 KW.                                               | 3 x 12,000 KW. at 85 PF.                                                | Impulse turbine.     | 11 KV.                     |
| 3. Mettur system—                      |                                                          |                                                                         |                      |                            |
| Mettur Power House.                    | 40,000 KW.                                               | 4 x 12,500 KVA.                                                         | Reaction turbine.    | 11 KV.                     |
| 4. Papanasam system—                   |                                                          |                                                                         |                      |                            |
| (a) Papanasam Power House.             | 28,000 KW.                                               | 4 x 7,250 KVA.                                                          | Reaction turbine.    | 11 KV.                     |
| (b) Madurai Thermal station.           | 4,000 KW. 10,000 KW.                                     | 1 x 4,000 KW. 1 x 10,000 KW.                                            | Steam turbine.       | 6.6 KV. 11 KV.             |
| 5. Madras system—                      |                                                          |                                                                         |                      |                            |
| (a) Basin Bridge 'A' station.          | 41,500 KW.                                               | 2 x 1,500 KW. 1 x 5,000 KW. 1 x 6,000 KW. 1 x 12,500 KW. 1 x 15,000 KW. |                      |                            |
| (b) Villivakkam emergency station.     | 1,500 KW.                                                | 1 x 1,500 KW.                                                           | Do.                  | 5 KV.                      |
| (c) Basin Bridge 'C' station.          | 5,000 KW.                                                | 2 x 2,500 KW.                                                           | Do.                  | 5 KV.                      |
| (d) Basin Bridge 'B' station.          | 15,000 KW.                                               | 1 x 15,000 KW.                                                          | Do.                  | 11 KV.                     |
| Total for Government undertakings.     | 225,858 KW.                                              |                                                                         |                      |                            |
| Total for licensees ..                 | 1,284 KW.                                                |                                                                         |                      |                            |
| Total for State ..                     | 226,637 KW.                                              |                                                                         |                      |                            |

## APPENDIX

Table of electric supply cost and

| Serial number and name of undertaking. | Year of operation. | Year of account to which the figures refer. | System and supply of voltage. | Total generation cost or purchase cost per unit in annas. | Working cost per unit sold in annas. [vide Note (2).] |
|----------------------------------------|--------------------|---------------------------------------------|-------------------------------|-----------------------------------------------------------|-------------------------------------------------------|
| (1)                                    | (2)                | (3)                                         | (4)                           | (5)                                                       | (6)                                                   |
| 1 Ambur-Vaniambadi.                    | 16th ..            | 1952-53 ..                                  | A.C. 400/230 V. 50 cycles.    | AS.                                                       | AS.                                                   |
| 2 Cannanore-Tellicherry.               | ..                 | 1952-53 ..                                  | Do.                           | 0.52                                                      | 1.56                                                  |
| 3 Chingleput                           | ..                 | 1952-53 ..                                  | Do.                           | 0.51                                                      | 1.34                                                  |
| 4 Devakottai                           | ..                 | 1952-53 ..                                  | Do.                           | 0.53                                                      | 1.39                                                  |
|                                        |                    |                                             |                               | 0.69                                                      | 2.60                                                  |
| 5 East Ramanathapuram.                 | 15th ..            | 1952-53 ..                                  | Do.                           |                                                           |                                                       |
| 6 East Tanjore                         | ..                 | 1952-53 ..                                  | Do.                           | 0.52                                                      | 1.25                                                  |
| 7 Kanadukathan                         | ..                 | 1952-53 ..                                  | Do.                           | 0.51                                                      | 1.75                                                  |
| 8 Karaikudi                            | ..                 | 1952-53 ..                                  | Do.                           | 0.63                                                      | 2.08                                                  |
| 9 Kasaragod                            | ..                 | 1952-53 ..                                  | Do.                           | 0.70                                                      | 2.10                                                  |
| 10 Kozhikode                           | ..                 | 1952-53 ..                                  | A.C. 400/230 V. 50 cycles.    | Accounts for 1952-53 with the                             |                                                       |
| 11 Kumbakonam                          | ..                 | 1952 ..                                     | Do.                           | 0.49                                                      | 1.37                                                  |
| 12 Mangalore                           | ..                 | 1952-53 ..                                  | Do.                           | 0.53                                                      | 2.25                                                  |
| 13 Nagapattinam                        | ..                 | 1952 ..                                     | Do.                           | 1.01                                                      | 3.90                                                  |
| 14 Nattarasankottai                    | ..                 | 1952-53 ..                                  | Do.                           | 0.54                                                      | 1.33                                                  |
| 15 Palghat                             | ..                 | 1952-53 ..                                  | Do.                           | 0.81                                                      | 2.30                                                  |
| 16 Ponnamaravathy                      | ..                 | 1952-53 ..                                  | Do.                           | *                                                         | *                                                     |
| 17 Pudukkottai                         | ..                 | 1952 ..                                     | Do.                           | 0.67                                                      | 1.47                                                  |
| 18 Pudukkottai State.                  | ..                 | 1952-53 ..                                  | Do.                           | 0.66                                                      | 1.94                                                  |
| 19 Ramachandrapuram.                   | ..                 | 1952-53 ..                                  | Do.                           | †                                                         | 0.67                                                  |
| 20 Salem-Erode                         | ..                 | 1952-53 ..                                  | Do.                           | 0.81                                                      | 3.25                                                  |
| 21 South Arcot                         | ..                 | 1952 ..                                     | Do.                           | 0.53                                                      | 1.18                                                  |
| 22 Tinnevely-Tuticorin.                | ..                 | 1952-53 ..                                  | Do.                           | 0.46                                                      | 1.29                                                  |
|                                        |                    |                                             |                               | 0.48                                                      | 1.45                                                  |
| 23 Tiruchirappalli-Srirangam.          | ..                 | 1952-53 ..                                  | Do.                           | 0.35                                                      | 0.78                                                  |
| 24 Vellere                             | ..                 | 1952-53 ..                                  | Do.                           | 0.55                                                      | 1.49                                                  |

\* Particulars not furnished  
† Not available; figures incorporated in

## F-1.

records—Companies.

| Revenue per unit sold.    |                |                  |                | Revenue per unit sold.  |               |                  |    | Serial number. |
|---------------------------|----------------|------------------|----------------|-------------------------|---------------|------------------|----|----------------|
| Domestic or residential.  |                | Commercial.      |                | Industrial power.       |               |                  |    |                |
| Heat and power.           | Light and fan. | Heat and power.  | Light and fan. | Low and medium voltage. | High voltage. | Public lighting. |    |                |
| (7)                       | (8)            | (9)              | (10)           | (11)                    | (12)          | (13)             |    |                |
| AS.                       | AS.            | AS.              | AS.            | AS.                     | AS.           | AS.              |    |                |
| 1.82                      | 3.87           | 1.30             | 3.98           | 1.12                    | ..            | 2.00             | 1  |                |
| 2.15                      | 5.25           | 2.31             |                | 1.76                    | 0.55          | 4.00             | 2  |                |
| 1.69                      | 4.10           | 1.92             | 2.18           | 1.49                    | ..            | 2.00             | 3  |                |
| †                         | †              | †                | †              | †                       | †             | †                | 4  |                |
| 3.58                      |                | 3.58             |                | 1.28                    |               | 1.75             | 5  |                |
| 3.33                      |                | 3.33             |                | 1.25                    |               | 1.66             | 6  |                |
| 2.25                      | 4.58           | 2.25             | 2.92           | L and F 5.67            | ..            | 1.83             | 7  |                |
|                           |                | shop lights 3.92 |                | H and P 1.00            |               |                  |    |                |
| 1.40                      | 3.60           | 1.60             | 3.16           | 0.90                    | ..            | 1.50             | 8  |                |
| particulars not received. |                |                  |                |                         |               |                  | 9  |                |
| 1.60                      | 2.95           | 1.70             |                | 1.10                    | 0.70          | 1.77             | 10 |                |
| 1.39                      | 4.29           | 1.95             | 2.00           | 1.17                    | ..            | 2.02             | 11 |                |
| 3.43                      | 6.03           | 3.36             | 4.20           | 3.30                    | ..            | 3.32             | 12 |                |
| 1.00                      | 4.15           | 1.36             | 4.00           | 1.24                    | 0.62          | 1.90             | 13 |                |
| 2.23                      | 5.97           | ..               | 3.98           | 1.32                    | ..            | 2.00             | 14 |                |
| ..                        | S              | ..               | ..             | †                       | ..            | †                | 15 |                |
| 2.51                      | 4.57           | 2.51             | 4.57           | 1.74                    | 0.73          | 2.15             | 16 |                |
| 1.27                      | 3.04           | 1.33             | 2.97           | 1.36                    | 0.77          | 2.00             | 17 |                |
| 3.73                      |                | 3.73             |                | 0.67                    | ..            | 2.00             | 18 |                |
| 2.50                      | 4.92           | ..               | 4.42           | 2.04                    | ..            | 2.00             | 19 |                |
| 1.71                      | 3.19           | 1.44             | 1.69           | 0.91                    | 0.67          | 1.33             | 20 |                |
| 1.41                      | 5.43           | 0.93             | 3.70           | 1.16                    | 0.73          | 3.48             | 21 |                |
| 1.84                      | 3.76           | 1.23             | 1.32           | 0.97                    | 0.60          | 1.40             | 22 |                |
| 3.16                      |                | 3.16             |                | 0.43                    |               | 0.75             | 23 |                |
| 1.30                      |                | 1.08             |                | 0.33                    |               | 2.70             | 24 |                |

by the licensee.  
Tiruchirappalli-Srirangam Electric licensee.



**APPENDIX**  
*Table of electric supply cost and*

| Serial number and name of undertaking. | Year of operation. | Year of account to which the figures refer. | Depreciation for the year. | Depreciation fund at the end of the year. | Other reserves. | Total capacity of generating or receiving plants. | Maximum load on the feeders. |
|----------------------------------------|--------------------|---------------------------------------------|----------------------------|-------------------------------------------|-----------------|---------------------------------------------------|------------------------------|
|                                        |                    |                                             | (24)                       | (25)                                      | (26)            | (27)                                              | (28)                         |
|                                        |                    |                                             | RS.                        | RS.                                       | RS.             |                                                   |                              |
| 1 Ambur-Vaniambadi.                    | 16th               | 1952-53 ..                                  | 34,981                     | 2,12,398                                  | 8,200           | ..                                                | 820 K.W.                     |
| 2 Cannanore-Tellicherry.               | 15th               | 1952-53 ..                                  | 43,506                     | 2,51,468                                  | 48,189          | ..                                                | 1,480 K.W.                   |
| 3 Chingleput ..                        | 15th               | 1952-53 ..                                  | 15,344                     | 1,04,848                                  | 8,980           | ..                                                | 437 K.W.                     |
| 4 Devakottai ..                        | 29th               | 1952-53 ..                                  | 8,852                      | 1,72,928                                  | 5,178           | ..                                                | 284 K.W.                     |
| 5 East Ramanathapuram.                 | 15th               | 1952-53 ..                                  | 64,781                     | 4,17,786                                  | 18,349          | ..                                                | 1,960 K.W.                   |
| 6 East Tanjore ..                      | 19th               | 1952-53 ..                                  | 1,55,888                   | 12,30,093                                 | 30,329          | ..                                                | 3,490 K.W.                   |
| 7 Kanadukathan ..                      | 29th               | 1952-53 ..                                  | 28,552                     | 3,33,064                                  | 7,728           | ..                                                | 506 K.V.A.                   |
| 8 Karaikudi ..                         | 23rd               | 1952-53 ..                                  | 28,358                     | 2,45,085                                  | 2,450           | ..                                                | 509 K.V.A.                   |
| 9 Kasaragod ..                         | 23rd               | 1952-53 ..                                  | ..                         | ..                                        | ..              | ..                                                | Accounts no                  |
| 10 Kozhikode ..                        | 24th               | 1952-53 ..                                  | 60,866                     | 3,90,460                                  | 39,226          | ..                                                | 2,000 K.W.                   |
| 11 Kumbakonam ..                       | 21st               | 1952 ..                                     | 89,195                     | 6,90,883                                  | 1,24,670        | ..                                                | 1,700 K.V.A.                 |
| 12 Mangalore ..                        | 20th               | 1952-53 ..                                  | 50,762                     | 7,19,290                                  | 23,853          | 1,264 K.W.                                        | 1,009 K.W.                   |
| 13 Nagapattinam ..                     | 18th               | 1952 ..                                     | 37,241                     | 2,54,850                                  | 31,397          | ..                                                | 1,290 K.W.H.                 |
| 14 Nattarasankottai ..                 | 20th               | 1952-53 ..                                  | 8,641                      | 99,680                                    | 2,770           | 218 K.W.                                          | 150 K.W.                     |
| 15 Palghat ..                          | 20th               | 1952-53 ..                                  | 13,835                     | 1,77,695                                  | 27,017          | †                                                 | †                            |
| 16 Ponnamaravathy ..                   | 15th               | 1952-53 ..                                  | 14,019                     | 1,40,949                                  | 2,323           | 1,006 K.V.A.                                      | 395 K. W.                    |
| 17 Pudukkottai ..                      | 25th               | 1952 ..                                     | 18,065                     | 1,67,621                                  | 83,707          | ..                                                | 450 K.W.                     |
| 18 Pudukkottai State ..                | 15th               | 1952-53 ..                                  | 28,590                     | 1,30,207                                  | 7,154           | ..                                                | †                            |
| 19 Ramachandrapuram.                   | 27th               | 1952-53 ..                                  | 14,939                     | 2,19,584                                  | 6,570           | ..                                                | 178 K.W.                     |
| 20 Salem-Erode ..                      | 21st               | 1952-53 ..                                  | 91,694                     | 9,44,754                                  | 40,253          | ..                                                | 3,923 K.W.                   |
| 21 South Arcot ..                      | 18th               | 1952 ..                                     | 1,54,376                   | 10,21,626                                 | 1,72,884        | ..                                                | 5,320 K.W.                   |
| 22 Tirunelveli-Tuticorin               | 20th               | 1952-53 ..                                  | 79,842                     | 9,18,538                                  | 59,648          | ..                                                | 2,440 K.W.                   |
| 23 Tiruchirappalli-Srirangam.          | 25th               | 1952-53 ..                                  | 2,52,009                   | 19,25,569                                 | 3,14,727*       | ..                                                | 19,379 K.W.                  |
| 24 Vellore ..                          | 22nd               | 1952-53 ..                                  | 61,944                     | 4,37,944                                  | 1,62,690        | ..                                                | 1,655 K.W.                   |

\* This figure includes the general reserves of other

† Not available, figures incorporated in Tiruchirappalli:

NOTE.—(1) This form has been modified in line with the model form of accounts

(2) This is the same as "cost per K.W. sold" given as item 17 of the

## F-1—cont.

## records—Companies—cont.

| Total units generated for the year. | Total units purchased for the year. | Load factor. | Total units sold for the year. | Total number of consumers at the end of the year. | Dividend declared on ordinary shares. | Serial number. |
|-------------------------------------|-------------------------------------|--------------|--------------------------------|---------------------------------------------------|---------------------------------------|----------------|
| (29)                                | (30)                                | (31)         | (32)                           | (33)                                              | (34)                                  |                |
|                                     |                                     | PER CENT.    |                                |                                                   |                                       |                |
| ..                                  | 33,28,067                           | 38.06        | 27,33,870                      | 3,068                                             | 7½ per cent tax-free.                 | 1              |
| ..                                  | 56,54,631                           | 38.58        | 49,38,114                      | 3,800                                             | 10 per cent tax-free.                 | 2              |
| ..                                  | 15,72,773                           | 36.34        | 13,01,161                      | 1,244                                             | 6½ per cent tax-free.                 | 3              |
| ..                                  | 7,69,260                            | 26.57        | 5,90,874                       | 1,608                                             | 5 per cent tax-free.                  | 4              |
| ..                                  | 73,76,596                           | 37.38        | 64,18,473                      | 5,111                                             | 7.5 per cent tax-free.                | 5              |
| ..                                  | 1,08,67,605                         | 27.70        | 84,90,913                      | 15,398                                            | Do.                                   | 6              |
| ..                                  | 16,42,827                           | 29.32        | 12,99,647                      | 2,161                                             | NH.                                   | 7              |
| ..                                  | 14,04,630                           | 23.38        | 11,62,106                      | 2,125                                             | 5 per cent tax-free.                  | 8              |
| received.                           | ..                                  | ..           | ..                             | ..                                                | ..                                    | 9              |
| ..                                  | 76,99,764                           | 36.17        | 66,37,010                      | 5,306                                             | 10 per cent tax-free.                 | 10             |
| ..                                  | 55,16,383                           | 29.31        | 43,64,096                      | 10,900                                            | 7½ per cent tax-free.                 | 11             |
| 37,71,792                           | ..                                  | 36.51        | 32,25,417                      | 4,323                                             | 10 per cent tax-free.                 | 12             |
| ..                                  | 43,21,130                           | 34.21        | 38,65,869                      | 3,065                                             | 5 per cent tax-free.                  | 13             |
| ..                                  | 4,40,330                            | 26.97        | 3,64,376                       | 1,129                                             | Do.                                   | 14             |
| †                                   | †                                   | †            | †                              | †                                                 | 7½ per cent tax-free.                 | 15             |
| ..                                  | 14,95,000                           | 39.27        | 13,58,582                      | 1,648                                             | 3 per cent tax-free.                  | 16             |
| ..                                  | 15,37,042                           | 34.40        | 12,56,252                      | 2,276                                             | 10 per cent tax-free.                 | 17             |
| ..                                  | †                                   | †            | 57,41,782                      | 442                                               | 7.5 per cent tax-free.                | 18             |
| ..                                  | 4,61,412                            | 20.86        | 3,25,308                       | 1,208                                             | 3 per cent tax-free.                  | 19             |
| ..                                  | 1,56,40,167                         | 39.51        | 1,35,75,287                    | 12,303                                            | 10 per cent tax-free.                 | 20             |
| ..                                  | 2,85,31,148                         | 38.66        | 1,81,11,001                    | 7,758                                             | 6½ per cent tax-free.                 | 21             |
| ..                                  | 94,45,780                           | 37.44        | 80,02,651                      | 11,404                                            | 10 per cent tax-free.                 | 22             |
| ..                                  | 4,76,98,082                         | 41.22        | 3,74,45,891                    | 20,576                                            | 7.5 per cent tax-free.                | 23             |
| ..                                  | 85,52,963                           | 40.12        | 58,15,034                      | 7,463                                             | 10 per cent tax-free.                 | 24             |

undertakings at item Nos. 6, 5 and 18.

by the licensee.

Srirangam Electric licence.

prescribed by Government in G.O. Ma. No. 537, P.W., dated 7th February 1951.

summary of financial particulars of the above prescribed form.

## APPENDIX F-2.

Table of electric supply costs and records—Local authorities.

| Serial number and name of undertaking. | Year of operation. | Year of account to which the figures relate. | System and voltage of supply.                    | Revenue per unit sold.          |                                            |                  |        |                   |                  |                         |      |      |      | Total expenditure against revenue —[See Note (2)]. | Revenue from electric supply. |
|----------------------------------------|--------------------|----------------------------------------------|--------------------------------------------------|---------------------------------|--------------------------------------------|------------------|--------|-------------------|------------------|-------------------------|------|------|------|----------------------------------------------------|-------------------------------|
|                                        |                    |                                              |                                                  | Total generation cost per unit. | Working cost per unit sold—[See Note (2)]. | Lights and fans. | Power. | Special contract. | Street lighting. | Total — [See Note (8)]. | (11) | (12) | (13) |                                                    |                               |
| 1 Bodinayakkanur.                      | ..                 | 18th ..                                      | 1952-53 .. A.C. 400/230 V. 50 cycles (unaudited) | 0.75                            | 2.53                                       | 4.50             | 1.09   | 2.55              | 1.92             | 2.71                    | AS.  | AS.  | RS.  | 55,641                                             | RS.                           |
| 2 Coimbatore ..                        | ..                 | 20th ..                                      | 1952-53 .. Do. ..                                | 0.55                            | 1.71                                       | 3.08             | 0.93   | 0.73              | 1.23             | 2.54                    | AS.  | AS.  | RS.  | 7,23,178                                           | 8,82,475                      |
| 3 Karur ..                             | ..                 | 17th ..                                      | 1952-53 .. Do. .. (unaudited)                    | 0.68                            | 1.75                                       | 3.96             | 0.98   | ..                | 2.00             | 2.35                    | AS.  | AS.  | RS.  | 1,10,987                                           | 1,39,792                      |
| 4 Madurai ..                           | ..                 | 26th ..                                      | 1952-53 .. Do. .. (unaudited)                    | 0.48                            | 1.37                                       | 3.24             | 1.02   | 0.76              | 1.25             | 2.12                    | AS.  | AS.  | RS.  | 9,23,639                                           | 12,56,733                     |
| 5 Pollachi ..                          | ..                 | 20th ..                                      | 1952-53 .. Do. ..                                | 0.60                            | 1.70                                       | 3.37             | 1.02   | ..                | 2.00             | 2.14                    | AS.  | AS.  | RS.  | 1,69,612                                           | 1,84,118                      |
| 6 Tanjore ..                           | ..                 | 26th ..                                      | 1952-53 .. Do. ..                                | 0.57                            | 1.77                                       | 3.21             | 1.00   | 0.62              | 1.79             | 2.35                    | AS.  | AS.  | RS.  | 2,83,463                                           | 3,03,419                      |
| 7 Tirupattur (North Arcot) ..          | ..                 | 14th ..                                      | 1952-53 .. Do. ..                                | 0.71                            | 2.12                                       | 3.46             | 1.13   | ..                | 2.00             | 2.39                    | AS.  | AS.  | RS.  | 73,896                                             | 77,845                        |

| Serial number and name of undertaking. | Total revenue from working note (8)]. | Net profit (+) or loss (-) up to the end of the year as per General balance sheet. | Loans repaid during the year. | Total capital expenditure up to the end of the year. | Total capacity. | Maximum load or the feeders. | Units generated for the year. | Units purchased for the year. | Load factor (per centage). | Total number of units sold. | Total number of consumers at the end of the year. |
|----------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------|-----------------|------------------------------|-------------------------------|-------------------------------|----------------------------|-----------------------------|---------------------------------------------------|
|                                        | (14)                                  | (15)                                                                               | (16)                          | (17)                                                 | (18)            | (19)                         | (20)                          | (21)                          | (22)                       | (23)                        | (24)                                              |
| 1 Bodinayakkanur ..                    | RS. 68,994                            | Nil.                                                                               | RS. 6,299                     | RS. 1,53,085                                         | 200 K.V.A.      | 168 K.V.A.                   | ..                            | 430,757                       | 25.66                      | 377,896                     | 861                                               |
| 2 Coimbatore ..                        | 10,77,310                             | + 8,96,586                                                                         | 55,396                        | 17,85,004                                            | 3,200 K.V.A.    | 2,800 K.V.A.                 | ..                            | 78,95,439                     | 33.19                      | 67,75,923                   | 10,439                                            |
| 3 Karur ..                             | 1,50,679                              | + 97,911                                                                           | 9,126                         | 2,45,217                                             | 525 K.V.A.      | 400 K.V.A.                   | ..                            | 1,136,463                     | 29.05                      | 10,18,444                   | 2,024                                             |
| 4 Madurai ..                           | 14,42,885                             | + 10,42,167                                                                        | Nil.                          | 26,91,319                                            | 6,745 K.V.A.    | 3,100 K.W.                   | ..                            | 1,290,239                     | 39.30                      | 1,08,07,261                 | 15,980                                            |
| 5 Pollachi ..                          | 2,14,385                              | + 1,94,083                                                                         | 13,083                        | 3,17,516                                             | 1,950 K.V.A.    | 495 K.W.                     | ..                            | 19,80,276                     | 36.85                      | 15,98,431                   | 1,896                                             |
| 6 Tanjore ..                           | 3,76,602                              | + 2,43,835                                                                         | 23,646                        | 7,61,260                                             | 1,400 K.W.      | 830 K.W.                     | ..                            | 29,81,920                     | 35.19                      | 25,59,407                   | 3,020                                             |
| 7 Tirupattur (North Arcot) ..          | 82,994                                | + 6,837                                                                            | 13,261                        | 1,83,402                                             | 375 K.V.A.      | 190 K.W.                     | ..                            | 6,44,660                      | 33.4                       | 5,56,262                    | 1,378                                             |
|                                        |                                       |                                                                                    |                               |                                                      |                 |                              |                               |                               |                            |                             | 36,546                                            |

NOTE.—(1) All figures are calculated on a uniform basis according to the standard practice.

(2) Total expenditure including loan charges but less service connexion.

(3) Existing charges for service connexion as given on the debtor side of No. III Revenue Account.

**APPENDIX F-3.**  
**Statistical data for the administration report for the year ending 31st March 1954 (Company licensees).**

Total connected load in K.W. with consumption, revenue and number of consumers at the end of 1953-54.

| Serial number and name of licensee. | Number of units generated. | Number of units purchased. | Number of units sold. | Maximum demand in K.W.    | Industrial.                                        |                                    |               |        |              |            |                      |
|-------------------------------------|----------------------------|----------------------------|-----------------------|---------------------------|----------------------------------------------------|------------------------------------|---------------|--------|--------------|------------|----------------------|
|                                     |                            |                            |                       |                           | Municipal.                                         | Textiles.                          | Cement works. | Mines. | Tea estates. | Chemicals. | Steel rolling mills. |
| (1)                                 | (2)                        | (3)                        | (4)                   | (5)                       | (6)                                                | (7)                                | (8)           | (9)    | (10)         | (11)       | (12)                 |
| 1 Amber-Vantambadi.                 | ..                         | 35,52,260                  | 29,50,385             | 970                       | (a) 66<br>(b) 131,958<br>(c) Ra. 24,843<br>(d) 17  | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 2 Oolcut                            | ..                         | 86,54,550                  | 75,01,361             | 2,200                     | (a) 231<br>(b) 431,752<br>(c) Ra. 37,636<br>(d) 24 | 601<br>1,189,027<br>50,552         | ..            | ..     | ..           | ..         | ..                   |
| 3 Chingleput                        | ..                         | 17,07,693                  | 15,21,303             | 489                       | (a) 25<br>(b) 56,738<br>(c) Ra. 7,092<br>(d) 9     | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 4 Cannanore-Tellicherry             | ..                         | 61,40,264                  | 54,31,338             | 1,570                     | (a) 51<br>(b) 130,343<br>(c) Ra. 33,604<br>(d) 3   | 1,253<br>3,469,068<br>Ra. 1,26,386 | ..            | ..     | ..           | ..         | ..                   |
| 5 Devakottai                        | ..                         | 7,32,985                   | 5,92,335              | 273                       | (a) 64<br>(b) 133,703<br>(c) Ra. 16,160<br>(d) 16  | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 6 East Tanjore                      | ..                         | 1,10,15,764                | 88,31,541             | 2,900<br>174<br>64<br>835 | (a) 94<br>(b) 234,771<br>(c) Ra. 28,422<br>(d) 38  | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 7 East Ramanathapuram.              | ..                         | 77,27,529                  | 67,96,492             | 2,000                     | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..               | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 8 Karaikal                          | ..                         | 17,64,250                  | 13,52,150             | 544<br>K.V.A.             | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..               | ..                                 | ..            | ..     | ..           | ..         | ..                   |
| 9 Kumbakonam                        | ..                         | 58,30,315                  | 46,60,520             | 1,625                     | (a) 53<br>(b) 173,441<br>(c) Ra. 26,630<br>(d) 1   | ..                                 | ..            | ..     | ..           | ..         | ..                   |

|                              |    |                                         |            |                                         |                                                    |                                    |                                    |    |    |                                     |                                       |
|------------------------------|----|-----------------------------------------|------------|-----------------------------------------|----------------------------------------------------|------------------------------------|------------------------------------|----|----|-------------------------------------|---------------------------------------|
| 10 Karaikal                  | .. | 1,451,565                               | 1,103,344  | 509<br>K.V.A.                           | (a) 70<br>(b) 189,617<br>(c) Ra. 18,032<br>(d) 24  | 2<br>106<br>Ra. 29<br>1            | ..                                 | .. | .. | ..                                  | ..                                    |
| 11 Mangalore                 | .. | 3,717,713                               | 3,182,638  | 1,117                                   | (a) 103<br>(b) 232,375<br>(c) Ra. 47,603<br>(d) 23 | ..                                 | ..                                 | .. | .. | ..                                  | ..                                    |
| 12 Mysore                    | .. | 4,102,720                               | 3,391,077  | 1,470                                   | (a) 11<br>(b) 4,332<br>(c) Ra. 1,427<br>(d) 23     | ..                                 | ..                                 | .. | .. | ..                                  | 2,467<br>1,706,310<br>Ra. 70,375<br>1 |
| 13 Mattanamkottai            | .. | 44,4,599                                | 336,170    | 144                                     | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..               | ..                                 | ..                                 | .. | .. | ..                                  | ..                                    |
| 14 Palghat                   | .. | 1,531,557                               | 1,290,077  | 575                                     | (a) 47<br>(b) 105,197<br>(c) Ra. 15,930<br>(d) 19  | ..                                 | ..                                 | .. | .. | ..                                  | ..                                    |
| 15 Salem-Rode                | .. | 17,747,553                              | 15,361,396 | 4,422                                   | (a) 177<br>(b) 490,333<br>(c) Ra. 89,724<br>(d) 2  | 2,405<br>5,049,054<br>Ra. 1,66,846 | ..                                 | .. | .. | ..                                  | ..                                    |
| 16 South Arcot               | .. | 20,118,274                              | 17,451,977 | 4,680<br>385                            | (a) 86<br>(b) 239,370<br>(c) Ra. 43,635<br>(d) 4   | 92<br>6,888<br>3,305               | ..                                 | .. | .. | ..                                  | ..                                    |
| 17 Tiruchirappalli-Srinagan. | .. | 58,713,062                              | 41,996,356 | 5,640<br>312<br>K.W.<br>K.V.A.          | (a) 271<br>(b) 627,603<br>(c) Ra. 78,580<br>(d) 30 | 876<br>1,971,240<br>Ra. 49,095     | 6,126<br>2,316,242<br>Ra. 4,59,644 | .. | .. | 491<br>1,413,870<br>Ra. 51,675<br>1 | ..                                    |
| 18 Tirunelveli-Tuticorin.    | .. | 11,008,607                              | 9,633,677  | 2,314                                   | (a) 273<br>(b) 778,238<br>(c) Ra. 54,952<br>(d) 6  | 3,350<br>4,151,761<br>Ra. 1,39,455 | ..                                 | .. | .. | ..                                  | ..                                    |
| 19 Vellore                   | .. | 7,301,157                               | 6,353,323  | 1,900                                   | (a) 139<br>(b) 451,953<br>(c) Ra. 47,340<br>(d) 4  | ..                                 | ..                                 | .. | .. | 616<br>1,184,560<br>45,546<br>1     | ..                                    |
| 20 Pudukkottai State         | .. | Included under Tiruchirappalli-Srinagan | 7,137,073  | Included under Tiruchirappalli-Srinagan | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..               | 1,042<br>3,739,780<br>Ra. 1,32,335 | ..                                 | .. | .. | ..                                  | ..                                    |

## APPENDIX F-3—cont.

## Statistical data for the administration report for the year ending 31st March 1954 (Company licensees)—cont.

Total connected load in K.W. with consumption, revenue and number of consumers at the end of 1953-54.

| Serial number and name of licensee.                    | Number of units generated. | Number of units purchased. | Number of units sold. | Maximum demand in K.W. | Industrial.                                       |                                   |               |        |              |            |                      |
|--------------------------------------------------------|----------------------------|----------------------------|-----------------------|------------------------|---------------------------------------------------|-----------------------------------|---------------|--------|--------------|------------|----------------------|
|                                                        |                            |                            |                       |                        | Municipal.                                        | Textiles.                         | Cement works. | Mines. | Tea estates. | Chemicals. | Steel rolling mills. |
| (1)                                                    | (2)                        | (3)                        | (4)                   | (5)                    | (6)                                               | (7)                               | (8)           | (9)    | (10)         | (11)       | (12)                 |
| 21 Pedukottai ..                                       | ..                         | 1,465,684                  | 1,279,547             | 446                    | (a) 78<br>(b) 229,583<br>(c) Rs. 25,005<br>(d) 16 | 118<br>248,825<br>Rs. 12,804<br>2 | ..            | ..     | ..           | ..         | ..                   |
| 22 Ramachandrapuram ..                                 | ..                         | 401,951                    | 325,283               | 180                    | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..              | ..                                | ..            | ..     | ..           | ..         | ..                   |
| 23 Ponnambavathi ..                                    | ..                         | 1,730,700                  | 1,581,700             | 420                    | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..              | 530<br>733,450<br>Rs. 32,856<br>1 | ..            | ..     | ..           | ..         | ..                   |
| 24 Kanna Coram, Keeragod, sanctioned under Section 24. | 1,22,580                   | ..                         | 101,845               | 80 K.W.                | (a) ..<br>(b) ..<br>(c) ..<br>(d) ..              | ..                                | ..            | ..     | ..           | ..         | ..                   |

NOTE.—(a) Connected load in K. W.  
(b) Consumption in u. Rs.  
(c) Revenue in rupees  
(d) Number of consumers.

| Serial number and name of licensee. | Industrial —cont.<br>Small Industries.                    | Railways.                         | Government departments.            | Panchayat boards.                   | Agricultural.                       | Domestic lighting and power.                 | Miscellaneous.                          | Total.                                         | Rural electrification. |              |                                                         |              |                                    |
|-------------------------------------|-----------------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------------|-----------------------------------------|------------------------------------------------|------------------------|--------------|---------------------------------------------------------|--------------|------------------------------------|
|                                     |                                                           |                                   |                                    |                                     |                                     |                                              |                                         |                                                | High-tension.          | Low-tension. | Number of agricultural pump sets and total horse-power. |              | Connected during the year 1953-54. |
|                                     |                                                           |                                   |                                    |                                     |                                     |                                              |                                         |                                                |                        |              | As on 31st March 1954.                                  | Horse-power. |                                    |
| (1)                                 | (2)                                                       | (3)                               | (4)                                | (5)                                 | (6)                                 | (7)                                          | (8)                                     | (9)                                            | (10)                   | (11)         | (12)                                                    | (13)         | (14)                               |
| 1 Ambur-Vandambadi,                 | (a) 1,086<br>(b) 719,085<br>(c) Rs. 52,281<br>(d) 112     | 13<br>29,917<br>Rs. 4,133<br>2    | 4<br>3,971<br>Rs. 977<br>10        | 406<br>Rs. 84                       | 1,427<br>Rs. 93,105<br>315          | 1,008<br>566,501<br>Rs. 1,74,944<br>2,786    | 42<br>32,491<br>Rs. 3,901<br>21         | 3,748<br>2,980,885<br>Rs. 3,54,727<br>8,215    | 1                      | 3,214        | 315                                                     | 1,902        | 37                                 |
| 2 Oallent ..                        | (a) 4,480<br>(b) 3,967,744<br>(c) Rs. 1,30,213<br>(d) 224 | 49<br>117,801<br>Rs. 9,868<br>3   | 113<br>342,087<br>Rs. 48,198<br>85 | 6,330<br>Rs. 791                    | 3<br>Rs. 48<br>3                    | 2,569<br>1,681,965<br>Rs. 3,05,036<br>5,247  | 36<br>316,144<br>Rs. 70,549<br>90       | 8,477<br>7,501,861<br>Rs. 7,03,111<br>5,694    | 6                      | 5,688        | ..                                                      | ..           | ..                                 |
| 3 Chingapur ..                      | (a) 353<br>(b) 154,187<br>(c) Rs. 13,129<br>(d) 25        | 23<br>74,922<br>Rs. 7,039<br>1    | 47<br>79,896<br>Rs. 8,993<br>21    | ..                                  | 612<br>750,763<br>Rs. 45,325<br>186 | 451<br>218,080<br>Rs. 49,641<br>1,092        | 54<br>186,717<br>Rs. 10,028<br>8        | 1,569<br>1,521,308<br>Rs. 1,41,708<br>1,340    | ..                     | 1,340        | 186                                                     | 816          | 16                                 |
| 4 Cannanore ..                      | (a) 1,450<br>(b) 622,493<br>(c) Rs. 66,439<br>(d) 131     | 24<br>88,956<br>Rs. 13,270<br>7   | 17<br>50,343<br>Rs. 12,844<br>30   | 18,052<br>Rs. 5,689<br>5            | 7<br>1,077<br>Rs. 76<br>1           | 1,664<br>918,026<br>Rs. 2,52,760<br>8,973    | 434<br>159,960<br>Rs. 7,632<br>1        | 5,115<br>5,431,338<br>Rs. 5,16,730<br>4,143    | 3                      | 4,140        | 1                                                       | 8            | ..                                 |
| 5 Devakottah ..                     | (a) 985<br>(b) 135,603<br>(c) Rs. 10,035<br>(d) 32        | ..                                | 973<br>Rs. 165<br>4                | ..                                  | 51<br>9,990<br>Rs. 1,423<br>18      | 1,179<br>295,591<br>Rs. 76,723<br>1,504      | 5<br>592,335<br>Rs. 1,06,168<br>1,623   | 1,583<br>5,923,335<br>Rs. 1,06,168<br>1,623    | ..                     | 1,623        | 3                                                       | 15           | ..                                 |
| 6 East Tanjore ..                   | (a) 9,579<br>(b) 9,967,669<br>(c) Rs. 2,41,049<br>(d) 676 | 98<br>250,234<br>Rs. 36,544<br>59 | 50<br>87,411<br>Rs. 8,105<br>861   | 169<br>489,593<br>Rs. 53,712<br>440 | 727<br>204,857<br>Rs. 20,210<br>155 | 5,235<br>2,613,601<br>Rs. 6,88,875<br>14,891 | 931<br>1,094,015<br>Rs. 60,494<br>26    | 13,942<br>8,831,541<br>Rs. 12,37,497<br>16,350 | 4                      | 16,346       | 165                                                     | 975          | 4                                  |
| 7 East .. Ramavathipuram.           | (a) 1,632<br>(b) 970,016<br>(c) Rs. 91,871<br>(d) 135     | 17<br>233,130<br>Rs. 14,504<br>4  | 19<br>16,593<br>Rs. 3,667<br>20    | 283,173<br>Rs. 38,633<br>312        | 512<br>254,137<br>Rs. 29,082<br>123 | 2,262<br>734,474<br>Rs. 2,26,881<br>4,686    | 7,250<br>4,299,913<br>Rs. 1,31,979<br>7 | 11,787<br>6,798,492<br>Rs. 5,87,777<br>5,287   | 7                      | 5,280        | 123                                                     | 687          | 25                                 |
| 8 Kandiathur ..                     | (a) 469<br>(b) 188,753<br>(c) Rs. 19,937<br>(d) 40        | 7<br>7,771<br>Rs. 1,366<br>2      | 2<br>1,040<br>Rs. 179<br>3         | 2,007<br>Rs. 62<br>15               | 49<br>3,695<br>Rs. 905<br>18        | 1,693<br>256,266<br>Rs. 94,393<br>1,510      | 958<br>892,618<br>Rs. 66,866<br>476     | 3,148<br>1,352,150<br>Rs. 1,77,935<br>2,164    | 2                      | 2,162        | 19                                                      | 63           | ..                                 |
| 9 Kumbakonam ..                     | (a) 3,943<br>(b) 1,949,547<br>(c) Rs. 1,17,570<br>(d) 597 | 53<br>116,903<br>Rs. 16,240<br>13 | 21<br>14,948<br>Rs. 3,269<br>17    | 95<br>173,517<br>Rs. 23,352<br>73   | 245<br>42,135<br>Rs. 11,418<br>80   | 5,096<br>2,060,229<br>Rs. 5,60,437<br>11,786 | 26<br>91,091<br>Rs. 5,007<br>1          | 8,585<br>4,660,620<br>Rs. 7,65,753<br>12,318   | ..                     | 12,318       | 43                                                      | 270          | 13                                 |

## APPENDIX K-3—cont.

Statistical data for the administration report for the year ending 31st March 1954 (Company licensees)—cont.

| Serial number and name of licensee. | Industrial —cont.<br>Small Industries.                    | Railways.                               | Government depart-ments.                | Panchayat Boards.                       | Agricul-tural.                                    | Domestic lighting and power.                       | Miscella-neous.                                  | Total.                                          | Number of high-tension and low-tension consum-ers as on 31st March 1954. |              |                        |                |                      | Rural electrification.             |                                                         |                      |
|-------------------------------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------|----------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------|--------------|------------------------|----------------|----------------------|------------------------------------|---------------------------------------------------------|----------------------|
|                                     |                                                           |                                         |                                         |                                         |                                                   |                                                    |                                                  |                                                 | High tension.                                                            | Low tension. | As on 31st March 1954. | Number. power. | Horse-Number. power. | Connected during the year 1953-54. | Number of agricultural pump sets and total horse-power. | Horse-Number. power. |
|                                     |                                                           |                                         |                                         |                                         |                                                   |                                                    |                                                  |                                                 |                                                                          |              |                        |                |                      |                                    |                                                         |                      |
| 10 Karakkudi ..                     | (a) 345<br>(b) 260,575<br>(c) Rs. 21,377<br>(d) 56        | (14) 16<br>48,502<br>Rs. 5,503<br>2     | (15) 104<br>46,417<br>Rs. 4,457<br>8    | (16) ..                                 | (17) 28<br>4,897<br>351<br>12                     | (18) 1,774<br>648,730<br>Rs. 1,38,653<br>2,160     | (19) ..                                          | 2,339<br>1,138,844<br>Rs. 1,38,834<br>2,262     | ..                                                                       | 2,362        | 12                     | 37             | ..                   | ..                                 | ..                                                      | ..                   |
| 11 Mangalore ..                     | (a) 1,079<br>(b) 1,113,118<br>(c) Rs. 2,20,454<br>(d) 157 | (14) 36<br>71,116<br>Rs. 15,657<br>3    | (15) 302<br>104,304<br>Rs. 29,333<br>68 | (16) ..                                 | (17) 368<br>3,954<br>Rs. 825<br>14                | (18) 2,672<br>1,377,591<br>Rs. 4,63,319<br>4,054   | (19) 270<br>289,233<br>Rs. 72,635<br>24          | 5,200<br>3,152,638<br>Rs. 8,59,729<br>4,348     | ..                                                                       | 4,348        | ..                     | ..             | ..                   | ..                                 | ..                                                      | ..                   |
| 12 Nagapattinam ..                  | (a) 879<br>(b) 503,061<br>(c) Rs. 46,171<br>(d) 97        | (14) 33<br>75,147<br>Rs. 13,034<br>10   | (15) 14<br>16,650<br>Rs. 4,418<br>28    | (16) 5<br>399<br>Rs. 112<br>6           | (17) 24<br>5,204<br>Rs. 460<br>10                 | (18) 1,998<br>677,634<br>Rs. 1,87,235<br>4,170     | (19) 119<br>389,320<br>Rs. 38,146<br>103         | 5,550<br>2,391,077<br>Rs. 356,438<br>4,148      | 1                                                                        | 4,447        | 10                     | 32             | 2                    | 6                                  | ..                                                      | ..                   |
| 13 Nattaramkottai ..                | (a) 185<br>(b) 116,999<br>(c) Rs. 10,504<br>(d) 29        | (14) 12<br>12,345<br>Rs. 3,573<br>2     | (15) 8<br>4,336<br>Rs. 1,380<br>2       | (16) 45<br>55,731<br>Rs. 10,300<br>8    | (17) 32<br>4,556<br>Rs. 628<br>10                 | (18) 473<br>128,634<br>Rs. 51,315<br>956           | (19) 7<br>13,579<br>Rs. 3,355<br>137             | 762<br>336,170<br>Rs. 81,080<br>1,152           | ..                                                                       | 1,152        | 10                     | 42             | 1                    | 5                                  | ..                                                      | ..                   |
| 14 Palghat ..                       | (a) 559<br>(b) 333,265<br>(c) Rs. 19,499<br>(d) 69        | (14) 28<br>59,177<br>Rs. 4,730<br>2     | (15) 21<br>23,305<br>Rs. 4,078<br>22    | (16) ..                                 | (17) 90<br>41,908<br>Rs. 3,592<br>71              | (18) 927<br>734,225<br>Rs. 1,60,342<br>2,356       | (19) ..                                          | 1,667<br>1,296,077<br>Rs. 2,08,171<br>3,089     | ..                                                                       | 3,039        | ..                     | ..             | ..                   | ..                                 | ..                                                      | ..                   |
| 15 Sakam-Erode ..                   | (a) 6,071<br>(b) 5,766,092<br>(c) Rs. 3,22,833<br>(d) 550 | (14) 63<br>173,111<br>Rs. 12,617<br>6   | (15) ..                                 | (16) 37<br>78,302<br>Rs. 7,368<br>5     | (17) 1,042<br>533,726<br>Rs. 28,395<br>182        | (18) 5,871<br>3,260,223<br>Rs. 6,63,011<br>12,626  | (19) ..                                          | 15,386<br>16,990<br>Rs. 15,40,251<br>13,838     | 7                                                                        | 15,376       | 132                    | 1,152          | 23                   | 233                                | ..                                                      | ..                   |
| 16 South Arcot ..                   | (a) 2,664<br>(b) 2,167,251<br>(c) Rs. 1,66,789<br>(d) 176 | (14) 146<br>530,871<br>Rs. 36,393<br>8  | (15) 62<br>111,397<br>Rs. 13,337<br>2   | (16) 7<br>20,609<br>Rs. 42,276<br>300   | (17) 9,547<br>11,478,101<br>Rs. 7,41,860<br>2,045 | (18) 1,591<br>643,132<br>Rs. 2,13,043<br>5,095     | (19) 2,715<br>2,195,818<br>Rs. 3,32,439<br>3,071 | 16,990<br>17,451,977<br>Rs. 13,53,484<br>9,420  | 4                                                                        | 9,416        | 2,015                  | 9,547          | 247                  | 1,411                              | ..                                                      | ..                   |
| 17 Tiruchirappalli-<br>Srinagar.    | (a) 6,206<br>(b) 5,264,430<br>(c) Rs. 4,14,367<br>(d) 788 | (14) 244<br>281,303<br>Rs. 30,314<br>31 | (15) 155<br>333,364<br>Rs. 43,692<br>74 | (16) 18<br>341,939<br>Rs. 42,276<br>300 | (17) 3,531<br>2,657,549<br>Rs. 2,63,912<br>9,718  | (18) 8,824<br>4,684,950<br>Rs. 10,33,316<br>19,798 | (19) 421<br>1,543,927<br>Rs. 65,766<br>15        | 26,953<br>41,996,356<br>Rs. 25,68,150<br>22,018 | 5                                                                        | 22,013       | 978                    | 4,095          | 157                  | 603                                | ..                                                      | ..                   |

|                                                               |                                                           |                                       |                                         |                                         |                                          |                                                   |                                              |                                               |    |        |     |     |    |    |    |    |
|---------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|---------------------------------------------------|----------------------------------------------|-----------------------------------------------|----|--------|-----|-----|----|----|----|----|
| 18 Tirunelveli-Tuticorin.                                     | (a) 3,706<br>(b) 1,737,235<br>(c) Rs. 1,33,061<br>(d) 414 | (14) 56<br>137,340<br>Rs. 9,316<br>4  | (15) ..                                 | (16) 2<br>5,179<br>Rs. 566<br>1         | (17) 229<br>86,964<br>Rs. 7,316<br>55    | (18) 5,333<br>2,630,308<br>Rs. 5,16,580<br>11,080 | (19) 30<br>66,302<br>Rs. 16,472<br>714       | 13,010<br>9,633,677<br>Rs. 8,78,133<br>12,287 | 5  | 12,232 | 21  | 100 | 4  | 19 | .. | .. |
| 19 Vellore ..                                                 | (a) 2,691<br>(b) 1,357,323<br>(c) Rs. 81,371<br>(d) 283   | (14) 43<br>153,031<br>Rs. 16,235<br>6 | (15) 228<br>166,340<br>Rs. 21,431<br>80 | (16) 107<br>186,971<br>Rs. 33,975<br>13 | (17) 743<br>541,213<br>Rs. 37,295<br>206 | (18) 2,337<br>1,727,998<br>Rs. 3,50,544<br>7,277  | (19) 506<br>604,091<br>Rs. 31,100<br>11      | 7,309<br>6,353,339<br>Rs. 6,64,377<br>7,330   | 3  | 7,327  | 184 | 732 | 17 | 69 | .. | .. |
| 20 Pudukkottai State ..                                       | (a) 345<br>(b) 90,696<br>(c) Rs. 10,395<br>(d) 23         | (14) ..                               | (15) 4<br>1,195<br>Rs. 277<br>7         | (16) 9<br>26,133<br>Rs. 3,237<br>5      | (17) 92<br>65,697<br>Rs. 7,928<br>28     | (18) 199<br>84,235<br>Rs. 15,438<br>407           | (19) 3,395<br>3,199,342<br>Rs. 1,30,957<br>2 | 5,606<br>7,187,078<br>Rs. 3,00,666<br>479     | 4  | 475    | 28  | 123 | 8  | 24 | .. | .. |
| 21 Pudukkottai ..                                             | (a) 540<br>(b) 204,633<br>(c) Rs. 33,452<br>(d) 95        | (14) 5<br>11,784<br>Rs. 2,150<br>1    | (15) 59<br>60,833<br>Rs. 11,399<br>46   | (16) ..                                 | (17) 11<br>7,741<br>Rs. 321<br>3         | (18) 850<br>7513,757<br>Rs. 1,04,728<br>2,257     | (19) 46<br>831<br>Rs. 245<br>29              | 1,702<br>1,279,547<br>Rs. 1,80,099<br>2,449   | 1  | 2,448  | ..  | ..  | .. | .. | .. | .. |
| 22 Rameswaram ..                                              | (a) 367<br>(b) 111,185<br>(c) Rs. 11,373<br>(d) 19        | (14) 3<br>3,979<br>Rs. 908<br>1       | (15) 6<br>753<br>Rs. 260<br>5           | (16) 18<br>36,435<br>Rs. 4,796<br>6     | (17) 66<br>17,696<br>Rs. 2,327<br>50     | (18) 768<br>152,648<br>Rs. 47,637<br>1,158        | (19) 1<br>2,579<br>Rs. 434<br>16             | 1,224<br>325,233<br>Rs. 67,732<br>1,225       | .. | 1,225  | 20  | 80  | 1  | 5  | .. | .. |
| 23 Ponnaswarathy ..                                           | (a) 279<br>(b) 83,506<br>(c) Rs. 8,548<br>(d) 25          | (14) ..                               | (15) 1<br>250<br>Rs. 69<br>4            | (16) 27<br>51,304<br>Rs. 6,334<br>7     | (17) 112<br>23,249<br>Rs. 3,439<br>23    | (18) 1,026<br>203,340<br>Rs. 59,157<br>1,462      | (19) 1,230<br>499,430<br>Rs. 26,397<br>165   | 3,255<br>1,534,579<br>Rs. 1,97,299<br>1,694   | 2  | 1,692  | 29  | 149 | 5  | 23 | .. | .. |
| 24 Karaikal<br>Kannad. (Sancti-<br>fied under section<br>23). | (a) 100<br>(b) 25,186<br>(c) Rs. 5,227<br>(d) 9           | (14) ..                               | (15) 26<br>2,333<br>Rs. 1,132<br>5      | (16) 7<br>12,439<br>Rs. 2,703<br>1      | (17) ..                                  | (18) 140<br>60,016<br>Rs. 30,564<br>262           | (19) 2<br>1,321<br>Rs. 1,035<br>21           | 275<br>101,845<br>Rs. 40,721<br>268           | .. | 298    | ..  | ..  | .. | .. | .. | .. |

## APPENDIX F-3—cont.

Statistical data for the administration report for the year ending 31st March 1954 (Company licensees)—cont.

## Rural electrification—cont.

| Serial number and<br>name of licensee. | No. of rural industries and total H.P. |                 |                                       |                 | Expenditure on rural electrification. |                 |                 |                 |                 |          | Length of lines<br>in miles. |                  | No. of distribution<br>transformers.      |                                              | Population<br>of area of<br>supply. |
|----------------------------------------|----------------------------------------|-----------------|---------------------------------------|-----------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|----------|------------------------------|------------------|-------------------------------------------|----------------------------------------------|-------------------------------------|
|                                        | As on 31st<br>March 1954.              |                 | Connected during<br>the year 1953-54. |                 | 1953-54<br>(31)                       | 1952-53<br>(32) | 1951-52<br>(33) | 1950-51<br>(34) | 1949-50<br>(35) | 1948-49  | High-<br>tension.            | Low-<br>tension. | Erected<br>during<br>the year<br>1953-54. | Total<br>number<br>at the end<br>of 1953-54. |                                     |
|                                        | No.                                    | Horse<br>power. | No.                                   | Horse<br>power. |                                       |                 |                 |                 |                 |          |                              |                  |                                           |                                              |                                     |
|                                        |                                        |                 |                                       |                 |                                       |                 |                 |                 |                 |          |                              |                  |                                           |                                              |                                     |
| (27)                                   | (28)                                   | (29)            | (30)                                  | (31)            | (32)                                  | (33)            | (34)            | (35)            | (36)            | (37)     | (38)                         | (39)             | (40)                                      | (41)                                         |                                     |
| 1 Amber-Vaniyambadi.                   | 119                                    | 1,504           | 4                                     | 29              | 96,286                                | 59,107          | 34,198          | 58,130          | 51,168          | 76,254   | 23                           | 78               | 1                                         | 20                                           | 180,000                             |
| 2 Ollur .. ..                          | 23                                     | 2,119           | 3                                     | 179             | 42,412                                | ..              | 54,808          | ..              | ..              | ..       | 27                           | 69               | 2                                         | 33                                           | 275,000                             |
| 3 Chingleput .. ..                     | 23                                     | 470             | 1                                     | 20              | 20,000                                | 30,369          | 39,849          | 26,304          | 23,306          | 24,520   | 9                            | 37               | ..                                        | 16                                           | 36,000                              |
| 4 Osmansore-Tallicherry                | 19                                     | 384             | 3                                     | 80              | 80,000                                | 13,800          | 47,840          | 20,000          | 19,360          | 3,909    | 31                           | 71               | 5                                         | 34                                           | 150,000                             |
| 5 Devakottai .. ..                     | 3                                      | 50              | ..                                    | ..              | ..                                    | 590             | 864             | ..              | ..              | ..       | 4                            | 29               | ..                                        | 6                                            | 30,000                              |
| 6 East Tanjore .. ..                   | 676                                    | 8,319           | 40                                    | 351             | 2,91,800                              | 3,45,122        | 3,62,881        | 4,46,033        | 3,61,479        | 1,70,352 | 337                          | 365              | 8                                         | 203                                          | 585,704                             |
| 7 West Ramanathapuram                  | 135                                    | 2,202           | 13                                    | 180             | 74,200                                | 2,32,240        | 2,36,517        | 1,10,993        | 1,17,469        | 91,518   | 182                          | 100              | 4                                         | 56                                           | 132,699                             |
| 8 Kanchipuram .. ..                    | 40                                     | 611             | 4                                     | 50              | Audit not<br>completed.               | 1,57,113        | 1,37,977        | 1,34,725        | 1,44,760        | 1,32,614 | 40                           | 48               | 1                                         | 22                                           | 53,036                              |
| 9 Kumbakonam .. ..                     | 189                                    | 2,390           | 24                                    | 323             | 2,37,403                              | 2,31,625        | 2,21,243        | 1,13,347        | 1,04,958        | 1,02,725 | 122                          | 190              | 8                                         | 83                                           | 350,000                             |
| 10 Karaikal .. ..                      | 7                                      | 117             | 1                                     | 20              | ..                                    | ..              | ..              | ..              | ..              | ..       | 19                           | 37               | ..                                        | 15                                           | 62,000                              |
| 11 Nagapattinam .. ..                  | 53                                     | 816             | 6                                     | 61              | 33,504                                | 57,294          | 44,123          | 68,326          | 30,638          | 57,643   | 38                           | 102              | ..                                        | 23                                           | 110,090                             |
| 12 Mangalore .. ..                     | ..                                     | ..              | ..                                    | ..              | ..                                    | ..              | ..              | ..              | ..              | ..       | 12                           | 46               | ..                                        | 15                                           | 117,095                             |
| 13 Kottayam .. ..                      | ..                                     | ..              | ..                                    | ..              | ..                                    | ..              | ..              | ..              | ..              | ..       | 5                            | 20               | ..                                        | 3                                            | 20,000                              |
| 14 Palghat .. ..                       | ..                                     | ..              | ..                                    | ..              | ..                                    | ..              | ..              | ..              | ..              | ..       | 5                            | 33               | ..                                        | 9                                            | 70,000                              |
| 15 Salem-Rode .. ..                    | 87                                     | 1,459           | 4                                     | 35              | ..                                    | ..              | ..              | ..              | ..              | ..       | 82                           | 160              | 5                                         | 43                                           | 311,709                             |
| 16 North Arcot .. ..                   | 253                                    | 2,213           | 19                                    | 539             | ..                                    | ..              | ..              | ..              | ..              | ..       | 156                          | 433              | 6                                         | 113                                          | 620,009                             |

|                               |     |       |    |     |          |          |          |          |          |          |     |     |       |
|-------------------------------|-----|-------|----|-----|----------|----------|----------|----------|----------|----------|-----|-----|-------|
| 17 Tiruchirappalli-Srirangam. | 703 | 8,305 | 63 | 526 | 4,68,000 | 6,76,121 | 8,90,067 | 6,63,191 | 6,38,927 | 3,10,371 | 353 | 369 | 7 212 |
| 18 Tirunelveli-Tuticorin.     | 5   | 59    | 1  | 20  | 22,224   | 59,886   | ..       | ..       | ..       | ..       | 54  | 94  | 2 33  |
| 19 Vellore .. ..              | 149 | 1,965 | 15 | 141 | 20,645   | 34,083   | 30,467   | 16,000   | 20,530   | ..       | 12  | 73  | 1 25  |
| 20 Pudukottai State ..        | 23  | 460   | 5  | 76  | 5,700    | 60,231   | 1,03,604 | 1,47,733 | 84,301   | 95,941   | 66  | 16  | 1 10  |
| 21 Pudukottai .. ..           | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | 7   | 43  | .. 9  |
| 22 Ramanathapuram ..          | ..  | ..    | .. | ..  | 10,000   | 8,418    | 22,500   | 7,645    | 5,000    | 4,555    | 24  | 31  | 1 15  |
| 23 Ramanathapuram ..          | ..  | ..    | .. | ..  | 7,500    | 17,000   | 12,000   | 14,000   | 35,300   | 10,000   | 42  | 44  | .. 24 |
| 24 Karaikal .. ..             | 26  | 372   | 1  | 10  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | 7   | 1 1   |
| 25 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 26 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 27 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 28 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 29 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 30 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 31 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 32 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 33 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 34 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 35 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 36 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 37 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 38 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 39 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 40 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 41 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 42 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 43 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 44 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 45 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 46 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 47 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 48 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 49 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 50 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 51 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 52 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 53 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 54 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 55 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 56 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 57 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 58 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 59 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 60 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 61 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 62 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 63 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 64 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 65 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 66 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 67 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 68 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 69 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 70 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 71 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 72 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 73 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 74 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 75 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 76 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 77 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 78 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 79 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 80 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 81 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 82 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 83 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 84 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 85 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 86 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 87 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 88 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 89 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 90 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 91 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 92 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 93 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 94 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 95 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 96 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 97 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 98 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 99 Karaikal .. ..             | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |
| 100 Karaikal .. ..            | ..  | ..    | .. | ..  | ..       | ..       | ..       | ..       | ..       | ..       | ..  | ..  | ..    |

NOTE—(a) Connected load in K. W.

(b) Consumption.

(c) Revenue in rupees.

(d) Number of consumers.

(e) All the figures are as furnished by the licensees.

## APPENDIX F-4.

## Statistical data for the administration report for the year ending 31st March 1954 (Local authorities).

Total connected load in K.W. with consumption, revenue and number of consumers at the end of 1953-54.

| Serial number and name of licensee. | Number of units generated. | Number of units purchased. | Number of units sold. | Maximum demand in K.W. | Municipal.                                         |                                     |        |              |            |                      |      |                                           | Small Industries. |
|-------------------------------------|----------------------------|----------------------------|-----------------------|------------------------|----------------------------------------------------|-------------------------------------|--------|--------------|------------|----------------------|------|-------------------------------------------|-------------------|
|                                     |                            |                            |                       |                        | Textiles.                                          | Cement work.                        | Mines. | Tea estates. | Chemicals. | Steel rolling mills. |      |                                           |                   |
| (1)                                 | (2)                        | (3)                        | (4)                   | (5)                    | (6)                                                | (7)                                 | (8)    | (9)          | (10)       | (11)                 | (12) | (13)                                      |                   |
| 1 Bodinayakanur ..                  | ..                         | 441,966                    | 385,686               | 1,709                  | (a) 53<br>(b) 82,434<br>(c) Rs. 11,756<br>(d) 10   | ..                                  | ..     | ..           | ..         | ..                   | ..   | 141<br>75,078<br>Rs. 5,923<br>12          |                   |
| 2 Coimbatore ..                     | ..                         | 8,279,624                  | 6,933,431             | 2,820                  | (a) 373<br>(b) 61,094<br>(c) Rs. 10,499<br>(d) 85  | 74<br>90,780<br>Rs. 4,773<br>19     | ..     | ..           | ..         | ..                   | ..   | 2,548<br>1,277,416<br>Rs. 71,258<br>346   |                   |
| 3 Karur ..                          | ..                         | 1,376,462                  | 1,131,995             | 365                    | (a) 62<br>(b) 206,959<br>(c) Rs. 20,372<br>(d) 23  | ..                                  | ..     | ..           | ..         | ..                   | ..   | 446<br>422,286<br>Rs. 26,297<br>50        |                   |
| 4 Madurai ..                        | ..                         | 13,699,203                 | 11,564,053            | 3,920                  | (a) 285<br>(b) 436,915<br>(c) Rs. 40,733<br>(d) 86 | 1,023<br>561,189<br>Rs. 27,878<br>4 | ..     | ..           | ..         | ..                   | ..   | 2,705<br>3,742,713<br>Rs. 1,10,153<br>367 |                   |
| 5 Pollachi ..                       | ..                         | 1,924,325                  | 1,626,482             | 620                    | (a) 78<br>(b) 13,495<br>(c) Rs. 2,837<br>(d) 27    | ..                                  | ..     | ..           | ..         | ..                   | ..   | 1,234<br>928,948<br>Rs. 62,921<br>82      |                   |
| 6 Tanjore ..                        | ..                         | 2,230,313                  | 2,782,331             | 940                    | (a) 283<br>(b) 693,394<br>(c) Rs. 86,745<br>(d) 83 | ..                                  | ..     | ..           | ..         | ..                   | ..   | 1,173<br>828,975<br>Rs. 56,349<br>117     |                   |
| 7 Tirupattur (N. Arcot) ..          | ..                         | 733,331                    | 672,504               | 255                    | (a) 35<br>(b) 56,134<br>(c) Rs. 7,245<br>(d) 15    | 7<br>60<br>1                        | ..     | ..           | ..         | ..                   | ..   | 343<br>293,156<br>Rs. 18,088<br>41        |                   |

| Serial number and name of licensee. | Railways. | Government department. | Panchayat board. | Agricultural. | Domestic lighting and power. | Miscellaneous. | Total connected load in K.W. | Number of high-tension and low-tension consumers as on 31st March 1954. |              |                                                         |              |         | Rural electrification. |         |                                    |         |              |
|-------------------------------------|-----------|------------------------|------------------|---------------|------------------------------|----------------|------------------------------|-------------------------------------------------------------------------|--------------|---------------------------------------------------------|--------------|---------|------------------------|---------|------------------------------------|---------|--------------|
|                                     |           |                        |                  |               |                              |                |                              | Number of high-tension consumers as on 31st March 1954.                 |              | Number of agricultural pump sets and total horse-power. |              |         | As on 31st March 1954. |         | Connected during the year 1953-54. |         |              |
|                                     |           |                        |                  |               |                              |                |                              | High tension.                                                           | Low tension. | Number.                                                 | Horse-power. | Number. | Horse-power.           | Number. | Horse-power.                       | Number. | Horse-power. |
|                                     |           |                        |                  |               |                              |                |                              |                                                                         |              |                                                         |              |         |                        |         |                                    |         |              |
| (14)                                | (15)      | (16)                   | (17)             | (18)          | (19)                         | (20)           | (21)                         | (22)                                                                    | (23)         | (24)                                                    | (25)         | (26)    | (27)                   | (28)    | (29)                               | (30)    | (31)         |
| 1 Bodinayakanur ..                  | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| 2 Coimbatore ..                     | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| 3 Karur ..                          | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| 4 Madurai ..                        | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| 5 Pollachi ..                       | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| 6 Tanjore ..                        | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |
| Tirupattur (N. Arcot) ..            | ..        | ..                     | ..               | ..            | ..                           | ..             | ..                           | ..                                                                      | ..           | ..                                                      | ..           | ..      | ..                     | ..      | ..                                 | ..      | ..           |

Note.—(a) Connected load in K.W.

(b) Consumption.

(c) Revenue in rupees.

(d) Number of consumers.

All the above figures are as furnished by the concerned licensees.

## APPENDIX F-4—cont.

Statistical data for the administration report for the year ending 31st March 1954 (Local authorities)—cont.

## Rural electrification—cont.

| Number of rural industries and total horse-power. |              |                                    |              | Length of lines in miles. |              | Number of distribution transformers. |                              | Expenditure on rural electrification.                 |      |      |       |      |       | Population of area of supply. |
|---------------------------------------------------|--------------|------------------------------------|--------------|---------------------------|--------------|--------------------------------------|------------------------------|-------------------------------------------------------|------|------|-------|------|-------|-------------------------------|
| As on 31st March 1954.                            |              | Connected during the year 1953-54. |              | High-tension.             | Low-tension. | Erected during the year 1953-54.     | Total at the end of 1953-54. | 1953-54, 1952-53, 1951-52, 1950-51, 1949-50, 1948-49. |      |      |       |      |       |                               |
| Number.                                           | Horse-power. | Number.                            | Horse-power. |                           |              |                                      |                              | (31)                                                  | (32) | (33) | (34)  | (35) | (36)  | (37)                          |
| (27)                                              | (28)         | (29)                               | (30)         |                           |              |                                      |                              |                                                       |      |      | RS.   | RS.  | RS.   |                               |
| 1 Bodhisayanur                                    | ..           | ..                                 | ..           | 1                         | 15           | ..                                   | 2                            | ..                                                    | ..   | ..   | ..    | ..   | ..    | 35,000                        |
| 2 Ombalatore                                      | ..           | ..                                 | ..           | 15                        | 91           | 1                                    | 31                           | ..                                                    | ..   | ..   | ..    | ..   | ..    | 185,000                       |
| 3 Karur                                           | ..           | ..                                 | ..           | 2                         | 22           | ..                                   | 6                            | ..                                                    | ..   | ..   | ..    | ..   | ..    | 42,128                        |
| 4 Madurai                                         | ..           | ..                                 | ..           | 29                        | 107          | 2                                    | 36                           | ..                                                    | ..   | ..   | ..    | ..   | ..    | 361,781                       |
| 5 Pollachi                                        | ..           | ..                                 | ..           | 4                         | 25           | ..                                   | 11                           | ..                                                    | ..   | ..   | ..    | ..   | ..    | 41,850                        |
| 6 Tanjore                                         | ..           | ..                                 | ..           | 9                         | 62           | ..                                   | 14                           | ..                                                    | ..   | ..   | 1,108 | 500  | 1,251 | 100,000                       |
| 7 Tirupattur (N. Arcot).                          | ..           | ..                                 | ..           | 2                         | 14           | ..                                   | 4                            | ..                                                    | ..   | ..   | ..    | ..   | ..    | 27,007                        |

NOTE.—All the above figures are as furnished by the concerned licensees.

APPENDICES

## APPENDIX F-5.

Classification of units sold by electric licensees (Companies).

| Serial number and name of licensee.  | (1) | (2)        | (3)        | (4)       | (5)       | (6)       | (7) | (8)       | (9)     | (10)       |
|--------------------------------------|-----|------------|------------|-----------|-----------|-----------|-----|-----------|---------|------------|
| 1 Ambur-Vaniyambudi .. .. .          | ..  | 719,276    | 1,423,263  | 560,037   | 66,157    | 124,492   | ..  | 17,654    | 34,407  | 2,950,835  |
| 2 Calicut .. .. .                    | ..  | 4,767,043  | 541        | 2,003,836 | 311,740   | 303,254   | ..  | ..        | 115,397 | 7,801,361  |
| 3 Chingleput .. .. .                 | ..  | 154,187    | 750,763    | 156,269   | 216,629   | 56,733    | ..  | ..        | 186,717 | 1,521,303  |
| 4 Cannanore-Tallicherry .. .. .      | ..  | 4,264,251  | 1,077      | 966,306   | 56,219    | 143,395   | ..  | ..        | ..      | 5,431,333  |
| 5 Devakottai .. .. .                 | ..  | 135,602    | 9,890      | 225,502   | 85,145    | 119,621   | ..  | ..        | 16,575  | 592,335    |
| 6 East Tanjore .. .. .               | ..  | 3,917,105  | 294,357    | 2,725,622 | 363,324   | 626,618   | ..  | 730,523   | 863,497 | 9,331,541  |
| 7 East Ramaswathapuram .. .. .       | ..  | 970,018    | 254,127    | 461,964   | 527,292   | 233,173   | ..  | 4,095,305 | 204,613 | 6,796,492  |
| 8 Kanadurathur .. .. .               | ..  | 188,753    | 3,695      | 256,266   | 125,049   | 129,867   | ..  | 648,530   | ..      | 1,352,150  |
| 9 Kumbakonam .. .. .                 | ..  | 2,017,307  | 82,135     | 1,934,299 | 189,530   | 346,153   | ..  | ..        | 91,091  | 4,660,520  |
| 10 Karaikal .. .. .                  | ..  | 260,631    | 4,997      | 451,359   | 311,296   | 165,611   | ..  | ..        | ..      | 1,193,844  |
| 11 Mangalore .. .. .                 | ..  | 1,112,113  | 3,954      | 1,475,766 | 23,163    | 201,244   | ..  | ..        | 360,399 | 3,182,638  |
| 12 Nagespettam .. .. .               | ..  | 503,061    | 5,204      | 498,613   | 261,918   | 183,049   | ..  | 1,706,310 | 232,922 | 3,391,077  |
| 13 Nattanamkottai .. .. .            | ..  | 116,999    | 4,556      | 147,774   | 13,579    | 53,262    | ..  | ..        | ..      | 336,170    |
| 14 Palghat .. .. .                   | ..  | 401,932    | 41,903     | 353,890   | 492,416   | 95,941    | ..  | ..        | ..      | 1,296,077  |
| 15 Salem-Erode .. .. .               | ..  | 10,935,146 | 823,726    | 2,970,013 | 453,739   | 573,723   | ..  | ..        | ..      | 15,361,396 |
| 16 South Arcot .. .. .               | ..  | 2,176,141  | 11,478,101 | 642,131   | 1,061,413 | 260,068   | ..  | 1,056,602 | 777,431 | 17,451,977 |
| 17 Tiruchirappalli-Srirangam .. .. . | ..  | 32,553,235 | 2,857,549  | 3,302,521 | 2,057,203 | 1,139,525 | ..  | ..        | 186,274 | 41,896,356 |
| 18 Tirumalvair-Tuticorin .. .. .     | ..  | 6,167,939  | 36,964     | 1,976,216 | 397,137   | 538,819   | ..  | ..        | 66,602  | 9,633,677  |
| 19 Vellore .. .. .                   | ..  | 2,311,723  | 541,213    | 1,779,351 | 233,107   | 443,554   | ..  | 503,954   | 50,422  | 6,353,339  |
| 20 Pudukkottai State .. .. .         | ..  | 3,330,476  | 65,597     | 43,631    | 17,253    | 25,729    | ..  | 3,195,734 | 3,608   | 7,137,073  |
| 21 Pudukkottai .. .. .               | ..  | 306,633    | 7,741      | 235,653   | 429,613   | 150,702   | ..  | 243,325   | 881     | 1,279,547  |
| 22 Ramaswathapuram .. .. .           | ..  | 111,183    | 17,606     | 153,850   | 3,535     | 36,435    | ..  | ..        | 2,570   | 325,233    |
| 23 Ramaswathapuram .. .. .           | ..  | 815,506    | 23,249     | 147,443   | 61,291    | 72,096    | ..  | ..        | 3,124   | 1,534,579  |
| 24 Karaikal .. .. .                  | ..  | 25,198     | ..         | 62,549    | ..        | 12,439    | ..  | 461,865   | 1,821   | 101,845    |

NOTE.—All the particulars are as furnished by the concerned licensees.

APPENDICES

## APPENDIX F-6.

*Classification of units sold by electric licensees (Local authorities).*

| Serial number and name of licensee. | (1)       | Industrial | Agricultural | Domestic  | Commercial | Public lighting. | Traction. | Pulk supplies. | Miscellaneous. | Total. |
|-------------------------------------|-----------|------------|--------------|-----------|------------|------------------|-----------|----------------|----------------|--------|
|                                     | (2)       | (3)        | (4)          | (5)       | (6)        | (7)              | (8)       | (9)            | (10)           |        |
| 1 Bodinayakanur .. ..               | 75,078    | 56,553     | 100,984      | 80,224    | 72,847     | ..               | ..        | ..             | 835,666        |        |
| 2 Coimbatore .. ..                  | 1,368,196 | 525,656    | 2,721,931    | 557,572   | 695,612    | ..               | ..        | 1,064,464      | 6,933,431      |        |
| 3 Karur .. ..                       | 423,236   | 5,438      | 203,393      | 374,384   | 94,280     | ..               | ..        | 32,109         | 1,131,895      |        |
| 4 Madurai .. ..                     | 3,418,915 | 49,695     | 8,210,423    | 3,044,156 | 1,030,461  | ..               | 760,403   | ..             | 11,564,058     |        |
| 5 Pollachi .. ..                    | 943,146   | 63,734     | 205,987      | 308,666   | 104,949    | ..               | ..        | ..             | 1,628,482      |        |
| 6 Thanjavur .. ..                   | 823,975   | 31,263     | 754,231      | 765,980   | 311,772    | ..               | ..        | 90,110         | 2,762,331      |        |
| 7 Tirupattur (North Arcot) .. ..    | 294,131   | 16,572     | 268,053      | 17,467    | 52,004     | ..               | ..        | 39,252         | 678,504        |        |

NOTE.—All the particulars are as furnished by the concerned licensees.

## APPENDIX F-7—STATEMENT SHOWING TOTAL NUMBER OF UNITS SOLD UNDER VARIOUS CATEGORIES CLASSIFIED AS URBAN, RURAL AND TOTAL WITH CONNECTED LOAD PARTICULARS.

## APPENDIX F-7.

Statement showing total number of units sold under various categories classified as urban, rural and total with connected load particulars.

Total number of units sold with connected load at the end of 1958-54.

| Serial number and<br>name of licensee. | Municipal.                 |              | Textiles.          |                  | Cement works. |        | Industrial. |        | Tea estates. |        |
|----------------------------------------|----------------------------|--------------|--------------------|------------------|---------------|--------|-------------|--------|--------------|--------|
|                                        | Urban.                     | Rural.       | Urban.             | Rural.           | Urban.        | Rural. | Urban.      | Rural. | Urban.       | Rural. |
|                                        | (2)                        | (3)          | (4)                | (5)              | (6)           | (7)    | (8)         | (9)    | (10)         | (11)   |
| <b>I. Company undertakings.</b>        |                            |              |                    |                  |               |        |             |        |              |        |
| 1 Amber-Vaniyambadi ..                 | (a) 181,988<br>(b) 66      | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 2 Calicut ..                           | (a) 431,752<br>(b) 231     | ..           | 1,189,027<br>961   | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 3 Chingapur ..                         | (a) ..<br>(b) 56,738<br>25 | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 4 Coimbatore-Tellicherry.              | (a) 180,248<br>(b) 51      | ..           | 1,657,138<br>450   | 1,911,930<br>803 | ..            | ..     | ..          | ..     | ..           | ..     |
| 5 Devakottai ..                        | (a) 123,703<br>(b) 64      | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 6 East Tanjore ..                      | (a) 234,771<br>(b) 94      | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 7 East Ramnagartha-<br>puram.          | (a) ..<br>(b) ..           | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 8 Kanchikottai ..                      | (a) ..<br>(b) ..           | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 9 Kumbakonam ..                        | (a) 173,641<br>(b) 53      | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 10 Karaikal ..                         | (a) 189,617<br>(b) 70      | ..           | 105<br>2           | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 11 Mangalore ..                        | (a) 223,275<br>(b) 103     | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 12 Nagapattinam ..                     | (a) 4,323<br>(b) 11        | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 13 Nattarambakkal ..                   | (a) ..<br>(b) ..           | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 14 Palghat ..                          | (a) 194,197<br>(b) 47      | ..           | ..                 | ..               | ..            | ..     | ..          | ..     | ..           | ..     |
| 15 Salem-Rode ..                       | (a) 299,943<br>(b) 133     | 96,425<br>39 | 2,942,165<br>2,002 | 1,106,889<br>603 | ..            | ..     | ..          | ..     | ..           | ..     |
| 16 South Arcot ..                      | (a) 229,370<br>(b) 26      | ..           | 66,233<br>92       | ..               | ..            | ..     | ..          | ..     | ..           | ..     |

|                                                          |                             |    |    |                    |                    |    |    |    |    |    |    |    |    |
|----------------------------------------------------------|-----------------------------|----|----|--------------------|--------------------|----|----|----|----|----|----|----|----|
| 17 Tiruchirappalli - Srirangam.                          | (a) 287,302<br>(b) 271      | .. | .. | ..                 | 1,271,240<br>676   | .. | .. | .. | .. | .. | .. | .. | .. |
| 18 Tirunelveli-Tuticorin ..                              | (a) 773,233<br>(b) 273      | .. | .. | 4,151,761<br>3,386 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 19 Vellore ..                                            | (a) 303,930<br>(b) 119      | .. | .. | ..                 | 3,739,730<br>1,002 | .. | .. | .. | .. | .. | .. | .. | .. |
| 20 Pudukkottai State ..                                  | (a) ..<br>(b) 232,503<br>73 | .. | .. | 243,325<br>113     | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 21 Pudukkottai Electric Supply Corporation.              | (a) ..<br>(b) ..            | .. | .. | ..                 | 733,450<br>580     | .. | .. | .. | .. | .. | .. | .. | .. |
| 22 Mamachandrapuram ..                                   | (a) ..<br>(b) ..            | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 23 Ponnambur ..                                          | (a) ..<br>(b) ..            | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 24 Karaikal ..                                           | (a) ..<br>(b) ..            | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| <b>II. Local Authority Electric Supply Undertakings.</b> |                             |    |    |                    |                    |    |    |    |    |    |    |    |    |
| 1 Pondicherry ..                                         | (a) 52,434<br>(b) 53        | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 2 Coimbatore ..                                          | (a) 61,094<br>(b) 373       | .. | .. | 90,730<br>74       | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 3 Karur ..                                               | (a) 205,959<br>(b) 62       | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 4 Madurai ..                                             | (a) 436,915<br>(b) 255      | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 5 Pollachi ..                                            | (a) 13,495<br>(b) 73        | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 6 Tanjore ..                                             | (a) 693,294<br>(b) 233      | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |
| 7 Tirupattur ..                                          | (a) 56,184<br>(b) 35        | .. | .. | ..                 | ..                 | .. | .. | .. | .. | .. | .. | .. | .. |

(a) Represents number of units sold.

(b) Represents total connected load.

## APPENDIX F.7—cont.

Statement showing total number of units sold under various categories classified as urban, rural and total with connected load particulars—cont.

Total number of units sold with connected load at the end of 1953-54—cont.

| Serial number and name of licensee.  | Industrial—cont. |      |                      |      | Small industries. |           |         |         | Railways. |      |        |      | Government departments. |      |
|--------------------------------------|------------------|------|----------------------|------|-------------------|-----------|---------|---------|-----------|------|--------|------|-------------------------|------|
|                                      | Chemicals.       |      | Steel rolling mills. |      | Urban.            |           | Rural.  |         | Urban.    |      | Rural. |      | Urban.                  |      |
|                                      | (12)             | (13) | (14)                 | (15) | (16)              | (17)      | (18)    | (19)    | (20)      | (21) | (22)   | (23) | (24)                    | (25) |
| <b>I. Company undertakings—cont.</b> |                  |      |                      |      |                   |           |         |         |           |      |        |      |                         |      |
| 1 Amber-Vandiyambadi ..              | (a)              | ..   | ..                   | ..   | 610,517           | 108,518   | 26,917  | ..      | 3,971     | ..   | ..     | ..   | ..                      | ..   |
| 2 Calicut ..                         | (b)              | ..   | ..                   | ..   | 898               | 188       | 13      | ..      | 4         | ..   | ..     | ..   | ..                      | ..   |
| 3 Chingleput ..                      | (c)              | ..   | ..                   | ..   | 1,283,248         | 2,102,496 | 109,275 | 8,526   | 342,057   | ..   | ..     | ..   | ..                      | ..   |
| 4 Cannanore-Tallicherry ..           | (d)              | ..   | ..                   | ..   | 2,342             | 2,118     | 47      | 74,992  | 112       | ..   | ..     | ..   | ..                      | ..   |
| 5 Devakottai ..                      | (e)              | ..   | ..                   | ..   | ..                | 154,187   | ..      | ..      | ..        | ..   | ..     | ..   | ..                      | ..   |
| 6 East Tanjore ..                    | (f)              | ..   | ..                   | ..   | 466,983           | 155,500   | 56,359  | 10,597  | 50,363    | ..   | ..     | ..   | ..                      | ..   |
| 7 East Ramanaethapuram ..            | (g)              | ..   | ..                   | ..   | 1,402             | 241       | 28      | ..      | 17        | ..   | ..     | ..   | ..                      | ..   |
| 8 Kanyakumari ..                     | (h)              | ..   | ..                   | ..   | 118,231           | 17,372    | ..      | ..      | 973       | ..   | ..     | ..   | ..                      | ..   |
| 9 Kumbakonam ..                      | (i)              | ..   | ..                   | ..   | 1,134,282         | 2,823,237 | 204,839 | 209,319 | 23,065    | ..   | ..     | ..   | ..                      | ..   |
| 10 Karaikal ..                       | (j)              | ..   | ..                   | ..   | 1,915             | 4,664     | 57      | 84      | 30        | ..   | ..     | ..   | ..                      | ..   |
| 11 Mangalore ..                      | (k)              | ..   | ..                   | ..   | ..                | 970,018   | ..      | 238,189 | ..        | ..   | ..     | ..   | ..                      | ..   |
| 12 Mysore ..                         | (l)              | ..   | ..                   | ..   | ..                | 1,632     | ..      | 7,771   | ..        | ..   | ..     | ..   | ..                      | ..   |
| 13 Nattarasankottai ..               | (m)              | ..   | ..                   | ..   | ..                | 188,753   | ..      | ..      | ..        | ..   | ..     | ..   | ..                      | ..   |
| 14 Palghat ..                        | (n)              | ..   | ..                   | ..   | ..                | 469       | ..      | ..      | ..        | ..   | ..     | ..   | ..                      | ..   |
| 15 Salem-Rode ..                     | (o)              | ..   | ..                   | ..   | 878,588           | 1,071,009 | 45,280  | 71,032  | 14,948    | ..   | ..     | ..   | ..                      | ..   |
| 16 South Arcot ..                    | (p)              | ..   | ..                   | ..   | 1,036             | 1,904     | 21      | 35      | 21        | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (q)              | ..   | ..                   | ..   | 238,683           | 21,892    | 48,502  | ..      | 43,417    | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (r)              | ..   | ..                   | ..   | 267               | 88        | 16      | ..      | 104       | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (s)              | ..   | ..                   | ..   | 1,113,113         | ..        | 7,116   | ..      | 104,306   | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (t)              | ..   | ..                   | ..   | 1,979             | ..        | 36      | ..      | 202       | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (u)              | ..   | ..                   | ..   | 202,492           | 300,569   | 67,947  | 11,000  | 16,530    | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (v)              | ..   | ..                   | ..   | 267               | 612       | 29      | 4       | 13        | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (w)              | ..   | ..                   | ..   | 116,999           | ..        | 12,345  | ..      | 4,336     | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (x)              | ..   | ..                   | ..   | 185               | ..        | 12      | ..      | 8         | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (y)              | ..   | ..                   | ..   | 333,265           | ..        | 59,177  | ..      | 23,805    | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (z)              | ..   | ..                   | ..   | 639               | ..        | 23      | ..      | 21        | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (aa)             | ..   | ..                   | ..   | 2,338,201         | 2,947,891 | 145,172 | 27,939  | ..        | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (ab)             | ..   | ..                   | ..   | 8,543             | 2,723     | 43      | 15      | ..        | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (ac)             | ..   | ..                   | ..   | 1,656,597         | 510,654   | 530,871 | ..      | 111,397   | ..   | ..     | ..   | ..                      | ..   |
| ..                                   | (ad)             | ..   | ..                   | ..   | 1,324             | 720       | 146     | ..      | 62        | ..   | ..     | ..   | ..                      | ..   |

|                                              |     |    |    |    |           |           |         |         |         |    |    |    |    |    |
|----------------------------------------------|-----|----|----|----|-----------|-----------|---------|---------|---------|----|----|----|----|----|
| 17 Tiruchengode-Srinagar ..                  | (e) | .. | .. | .. | 1,954,269 | 3,410,311 | 50,330  | 230,972 | 333,204 | .. | .. | .. | .. | .. |
| 18 Tirunelveli-Tuticorin ..                  | (f) | .. | .. | .. | 2,346     | 3,560     | 12      | 232     | 155     | .. | .. | .. | .. | .. |
| 19 Vellore ..                                | (g) | .. | .. | .. | 1,695,723 | 31,562    | 137,340 | ..      | ..      | .. | .. | .. | .. | .. |
| 20 Pudukottai State ..                       | (h) | .. | .. | .. | 3,653     | 53        | 56      | ..      | ..      | .. | .. | .. | .. | .. |
| 21 Pudukottai Electric Supply Corporation .. | (i) | .. | .. | .. | 885,675   | 952,147   | 15,536  | 137,545 | 62,505  | .. | .. | .. | .. | .. |
| 22 Ramachandrapuram ..                       | (j) | .. | .. | .. | 917       | 1,674     | 7       | 35      | 130     | .. | .. | .. | .. | .. |
| 23 Ponnambur ..                              | (k) | .. | .. | .. | ..        | 90,896    | ..      | ..      | ..      | .. | .. | .. | .. | .. |
| 24 Kanara Ceramics ..                        | (l) | .. | .. | .. | ..        | 345       | ..      | ..      | ..      | .. | .. | .. | .. | .. |
| ..                                           | (m) | .. | .. | .. | 206,608   | ..        | 11,784  | ..      | 60,833  | .. | .. | .. | .. | .. |
| ..                                           | (n) | .. | .. | .. | 540       | ..        | 5       | ..      | 50      | .. | .. | .. | .. | .. |
| ..                                           | (o) | .. | .. | .. | ..        | 111,188   | 3       | 2,979   | ..      | .. | .. | .. | .. | .. |
| ..                                           | (p) | .. | .. | .. | ..        | 367       | ..      | ..      | ..      | .. | .. | .. | .. | .. |
| ..                                           | (q) | .. | .. | .. | ..        | 82,086    | ..      | ..      | ..      | .. | .. | .. | .. | .. |
| ..                                           | (r) | .. | .. | .. | ..        | 279       | ..      | ..      | ..      | .. | .. | .. | .. | .. |
| ..                                           | (s) | .. | .. | .. | 25,189    | ..        | ..      | ..      | 2,333   | .. | .. | .. | .. | .. |
| ..                                           | (t) | .. | .. | .. | 100       | ..        | ..      | ..      | 26      | .. | .. | .. | .. | .. |

**II. Local Authority Electric Supply Undertakings—cont.**

|                  |     |    |    |    |           |    |    |    |         |    |    |    |    |    |
|------------------|-----|----|----|----|-----------|----|----|----|---------|----|----|----|----|----|
| 1 Podilyankur .. | (a) | .. | .. | .. | 75,078    | .. | .. | .. | 744     | .. | .. | .. | .. | .. |
| 2 Coimbatore ..  | (b) | .. | .. | .. | 1,277,416 | .. | .. | .. | 256,708 | .. | .. | .. | .. | .. |
| 3 Karur ..       | (c) | .. | .. | .. | 2,548     | .. | .. | .. | 260     | .. | .. | .. | .. | .. |
| 4 Madurai ..     | (d) | .. | .. | .. | 422,286   | .. | .. | .. | 13,975  | .. | .. | .. | .. | .. |
| 5 Pollachi ..    | (e) | .. | .. | .. | 446       | .. | .. | .. | 11      | .. | .. | .. | .. | .. |
| 6 Tiruppur ..    | (f) | .. | .. | .. | 2,742,713 | .. | .. | .. | 149,287 | .. | .. | .. | .. | .. |
| 7 Tiruppur ..    | (g) | .. | .. | .. | 2,705     | .. | .. | .. | 50      | .. | .. | .. | .. | .. |
| ..               | (h) | .. | .. | .. | 928,948   | .. | .. | .. | 10,146  | .. | .. | .. | .. | .. |
| ..               | (i) | .. | .. | .. | 1,284     | .. | .. | .. | 15      | .. | .. | .. | .. | .. |
| ..               | (j) | .. | .. | .. | 828,975   | .. | .. | .. | 171,949 | .. | .. | .. | .. | .. |
| ..               | (k) | .. | .. | .. | 1,173     | .. | .. | .. | 82      | .. | .. | .. | .. | .. |
| ..               | (l) | .. | .. | .. | 298,153   | .. | .. | .. | 8,997   | .. | .. | .. | .. | .. |
| ..               | (m) | .. | .. | .. | 348       | .. | .. | .. | 9       | .. | .. | .. | .. | .. |

(a) Represents number of units sold.

(b) Represents total connected load.

*Statement showing total number of units sold under various categories classified as urban, rural and total with connected load particulars—Cont.*

**Total number of units sold with connected load at the end of 1953-54—cont.**

[illegible]

(c) Represents number of units sold.

(b) Represents total connected load.

**17. Local Authority Electric Supply Undertakings—cont.**

| II. Local Authorities Electric Supply Undertakings—cont. |                   |     |
|----------------------------------------------------------|-------------------|-----|
| 1                                                        | Bodhinayakanur .. | (a) |
| 2                                                        | Coimbatore ..     | (b) |
| 3                                                        | Karur ..          | (c) |
| 4                                                        | Madurai ..        | (d) |
| 5                                                        | Pollachi ..       | (e) |
| 6                                                        | Tanjore ..        | (f) |
| 7                                                        | Tirupattur ..     | (g) |

## APPENDIX G-1.

List of H.T. consumers supplied directly by the Electricity Department—  
Pykara System.

| Serial number, name of the consumer and name of the place.                                          | Serial number, name of the consumer and name of the place.                                                                       |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>I. Cement.</b>                                                                                   | <b>V. Other Industries—cont.</b>                                                                                                 |
| 1 The Associated Cement Works, Madukkarai, Coimbatore.                                              | 64 Ramakrishna Industries, Peelamedu, Coimbatore.                                                                                |
| <b>II. Textiles.</b>                                                                                | 65 Amer Hind Manufacturers, Limited, Podanur, Coimbatore.                                                                        |
| 2 Coimbatore Spinning and Weaving Company, Limited, Coimbatore.                                     | 66 Needle Industries (India), Limited, Ketti (Nilgiris).                                                                         |
| 3 Vasantha Mills, Limited, Singanallur, Coimbatore.                                                 | 67 New Era Manufacturing Company, Palghat.                                                                                       |
| 4 Cambodia Mills, Limited, Coimbatore.                                                              | 68 Kumar Industries, Parli, Palghat.                                                                                             |
| 5 Rajalakshmi Mills, Limited, Uppilipalayam, Singanallur.                                           | 69 Venkatesa Bleaching Factory, Madathukulam.                                                                                    |
| 6 Somasundara Mills, Limited, Coimbatore.                                                           | 70 *Nirmal Glass Works, Ollavokot.                                                                                               |
| 7 Dhanalakshmi Mills, Limited, Tiruppur.                                                            | <b>VI. Municipalities.</b>                                                                                                       |
| 8 Kaleeswarar Mills, Limited, Coimbatore.                                                           | 71 Coimbatore Municipality.                                                                                                      |
| 9 Ranga Vilas Mills, Limited, Peelamedu, Coimbatore.                                                | 72 Pollachi Municipality.                                                                                                        |
| 10 Pankaja Mills, Limited, Coimbatore.                                                              | 73 Bodinayakanur Municipality.                                                                                                   |
| 11 Lakshmi Mills, Limited, Coimbatore.                                                              | <b>VII. Licensees.</b>                                                                                                           |
| 12 Sri Ramalinga Choudambigai Mills, Limited, Tiruppur.                                             | 74 West Coast Electric Supply Corporation, Limited, Kozhikode.                                                                   |
| 13 Coimbatore Cotton Mills, Limited, Singanallur.                                                   | 75 West Coast Electric Supply Corporation, Limited, Cannanore (Tellocherry).                                                     |
| 14 Sarada Mills, Limited, Podanur, Coimbatore.                                                      | 76 Palghat Electric Supply Corporation, Palghat.                                                                                 |
| 15 Lotus Mills, Limited, Podanur, Coimbatore.                                                       | <b>VIII. Other Governments.</b>                                                                                                  |
| 16 Palani Andavar Mills, Limited, Udumalpet.                                                        | 77 Cochin Government—Supply near Chittoor within Madras State (for Chittoor Electrification).                                    |
| 17 Janardhana Mills, Limited, Singanallur, Coimbatore.                                              | 78 Cochin Government—Supply near Shiekalmudi in Anamalais (for construction purposes for Pordagal kuthu Hydro-Electric Project). |
| 18 Sri Palamalai Ranganathan Mills, Limited (Perianaickenpalayam), Perianaickenpalayam, Coimbatore. | <b>IX. Government Departments.</b>                                                                                               |
| 19 Venkatesa Mills, Limited, Udumalpet.                                                             | 79 Cordite Factory, Aravankadu.                                                                                                  |
| 20 Murugan Mills, Limited, Coimbatore.                                                              | 80 Central Jail, Coimbatore.                                                                                                     |
| 21 Saroja Mills, Limited, Singanallur.                                                              | 81 Agricultural College, Coimbatore.                                                                                             |
| 22 Pioneer Mills, Limited, Coimbatore.                                                              | 82 Forest College, Coimbatore.                                                                                                   |
| 23 Radhakrishna Mills, Limited, Peelamedu.                                                          | 83 Government Sugarcane Breeding Station, Coimbatore.                                                                            |
| 24 Gnanambikai Mills, Limited, Vellakinar.                                                          | 84 Sular Aerodrome, Coimbatore.                                                                                                  |
| 25 Kamala Mills, Limited, Uppilipalayam, Singanallur.                                               | 85 Pykara Dam III Stage extension Moyar.                                                                                         |
| 26 Vijayalakshmi Mills, Limited, Coimbatore.                                                        | 86 Lower Bhavani Project.                                                                                                        |
| 27 Buckingham and Carnatic Mills, Limited, Tiruppur.                                                | 87 Government College of Technology, Coimbatore.                                                                                 |
| 28 Tirumurthi Mills, Limited, Udumalpet.                                                            | 88 Malampuzha Project.                                                                                                           |
| 29 Balasubramania Mills, Limited, Singanallur.                                                      | 89 Supply to Pykara Dam Construction and for air compression (Superintending Engineer, Moyar).                                   |
| 30 Soundararaja Mills, Limited, Dindigul.                                                           | 90 *Walayar Project.                                                                                                             |
| 31 Kothari Textiles, Limited, Singanallur.                                                          | 91 *Government Cotton and Millet Breeding Station.                                                                               |
| 32 Asher Textiles, Limited, Tiruppur.                                                               | 92 *Government Silk Filatures, Kollegal.                                                                                         |
| 33 Kasthuri Textiles, Limited, Singanallur.                                                         | <b>X. Tea Estates, Anamalais.</b>                                                                                                |
| 34 Kumaran Mills, Limited, Coimbatore.                                                              | 93 Vellamalai Estate.                                                                                                            |
| 35 Jayalakshmi Mills, Limited, Singanallur.                                                         | 94 Pachamalai Estate.                                                                                                            |
| 36 Vinotha Ginning Factory, Limited, Dindigul.                                                      | 95 Akkamalai Estate.                                                                                                             |
| 37 Rathna Cotton Ginning Factory, Limited, Dindigul.                                                | 96 Kallyar Estate.                                                                                                               |
| 38 Karthikeya Mills, Limited, Uppilipalayam, Singanallur.                                           | 97 Monica Estate.                                                                                                                |
| 39 Premier Mills, Limited, Udumalpet.                                                               | 98 Iyerpadi Estate.                                                                                                              |
| 40 Kadri Mills, Limited, Odderpalayam, Singanallur.                                                 | 99 Murgally Estate.                                                                                                              |
| 41 Jagannatha Ginning Factory, Coimbatore.                                                          | 100 Uralkal Estate.                                                                                                              |
| 42 Kannapiran Mills, Limited, Coimbatore.                                                           | 101 Anamalai Ropeway Company.                                                                                                    |
| 43 Bhagyalakshmi Mills, Limited, Pollachi.                                                          | 102 Injiparai Estate.                                                                                                            |
| 44 Devi Weavings, Limited, Odderpalayam, Coimbatore.                                                | 103 Stanmore Estate.                                                                                                             |
| 45 Vijayakumar Mills, Limited, Chinnakalayamuthur, Palni.                                           | 104 Srikunda Estate.                                                                                                             |
| 46 Ramakrishna Mills, Limited, Coimbatore.                                                          | 105 High Forest Estate.                                                                                                          |
| 47 Jothi Mills, Limited, Perianaickenpalayam.                                                       | 106 Karamalai Estate.                                                                                                            |
| 48 *Sivananda Mills, Limited, Saravanampatti Post, Coimbatore.                                      | 107 Kadalapara Estate.                                                                                                           |
| 49 *Varadaraja Textiles, Peelamedu.                                                                 | 108 Sellalipara Estate.                                                                                                          |
| <b>III. Oils.</b>                                                                                   | 109 Mount Stuart Estate.                                                                                                         |
| 50 The Bharat Mills, Limited, Pollachi.                                                             | 110 Mallikipari Estate.                                                                                                          |
| 51 G. Ramaswami & Co., Coimbatore.                                                                  | 111 Thaimudi Estate.                                                                                                             |
| 52 The Coimbatore Oil Mills, Limited, Singarampalayam, Pollachi.                                    | 112 Sholeyur Estate.                                                                                                             |
| 53 The Badhakrishna Oil Mills, Limited, Pollachi.                                                   | 113 Naduvur Estate.                                                                                                              |
| 54 K. M. M. Khader Mohideen Oil Mills, Dindigul.                                                    | 114 Waverly Estate.                                                                                                              |
| 55 Jaya Oil Mills and Products, Limited, Pollachi.                                                  | <b>XI. Tea Estates, Nilgiris.</b>                                                                                                |
| <b>IV. Water Works.</b>                                                                             | 115 Bengorm Estate.                                                                                                              |
| 56 Ambarampalayam Water Works, Pollachi.                                                            | 116 Devarshola Estate.                                                                                                           |
| <b>V. Other Industries.</b>                                                                         | 117 Glendale Estate.                                                                                                             |
| 57 The General Manufacturing Corporation, Limited, Coimbatore.                                      | 118 Parkside Estate.                                                                                                             |
| 58 The Brook Bond (India), Limited, Coimbatore.                                                     | 119 Nonsuch and Ilex Estates.                                                                                                    |
| 59 Argus Engineering Company, Limited, Peelamedu.                                                   | 120 Prospect Estate.                                                                                                             |
| 60 Textools Company, Limited, Coimbatore.                                                           | 121 Terrace Estate.                                                                                                              |
| 61 Asher Industries, Limited, Tiruppur.                                                             | 122 Kilkotagiri Estate.                                                                                                          |
| 62 National Manure Works, Limited, Udumalpet.                                                       | 123 Thuttapallam Estate.                                                                                                         |
| 63 Praga Industries, Coimbatore.                                                                    | 124 Rousdenmalai Estate.                                                                                                         |

\* Made during 1952-54.

## APPENDIX G-1—cont.

List of H.T. consumers supplied directly by the Electricity Department—  
Pykara System—cont.

| Serial number, name of the consumer and name of the place. | Serial number, name of the consumer and name of the place. |
|------------------------------------------------------------|------------------------------------------------------------|
| <b>XI. Tea Estates, Nilgiris—cont.</b>                     | <b>XI. Tea Estates, Nilgiris—cont.</b>                     |
| 125 Kilmafart Estate.                                      | 136 Craigmore Estate.                                      |
| 126 Dunsandle Estate.                                      | 137 Kotada Estate.                                         |
| 127 Thiasola Estate.                                       | 138 Rockwood Estate.                                       |
| 128 Sussex Group Estates.                                  | 139 Woodbrier Estate.                                      |
| 129 Sutton Estate.                                         | 140 Chamraj Estate.                                        |
| 130 Terramia Estate.                                       | 141 Sholur Estate.                                         |
| 131 Farm Tea Estate.                                       | 142 New Hope Estate.                                       |
| 132 Malloor Estate.                                        | 143 Seaforth Estate.                                       |
| 133 New Kateri Estate.                                     | 144 Glenvane Estate.                                       |
| 134 Mayfield Estate.                                       | 145 Kodanad Estate.                                        |
| 135 Devarshola Estate.                                     |                                                            |

## APPENDIX G-2.

List of H.T. consumers supplied directly by the Electricity Department—  
Mettur Electricity System.

| Serial number, name of the consumer and name of the place.                      | Serial number, name of the consumer and name of the place.                                          |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>I. Cement.</b>                                                               | <b>VIII. Railways.</b>                                                                              |
| <b>Nil.</b>                                                                     | 17 The Southern Railways, Tiruchirappalli.                                                          |
| <b>II. Textiles.</b>                                                            | 18 The Southern Railways, Erode.                                                                    |
| 1 The Mettur Industries, Limited, Mettur Dam.                                   | 19 The Southern Railways, Jalarpet.                                                                 |
| 2 The Thirumagal Mills, Limited, Gudiyatham.                                    | 20 The Southern Railways, Arkonam.                                                                  |
| 3 The Rajeswari Mills, Limited, Gudiyatham.                                     | <b>IX. Other State Governments.</b>                                                                 |
| 4 The Karur Mills, Limited, Karur.                                              | 21 Andhra State Government. (7 points of supply.)                                                   |
| <b>III. Mines.</b>                                                              | <b>X. Licensees.</b>                                                                                |
| 5 The Neyveli Mines, Neyveli.                                                   | 22 The Vellore Electric Supply Corporation, Limited, Vellore.                                       |
| <b>IV. Oils.</b>                                                                | 23 The Vellore Electric Supply Corporation, Limited, Baniyot.                                       |
| 6 The Dhanalakshmi Oil Mills, Bhavani.                                          | 24 The Carnatic Electric Supply Corporation, Limited, Ambur.                                        |
| 7 The Tirukkollur Oil Mills, Limited, Tirukkollur.                              | 25 The Salem-Erode Electricity Distribution Company, Limited, Salem. (5 points of supply.)          |
| 8 P.K. Arthanari Chetty Sons, Rasipuram.                                        | 26 The South Madras Electricity Supply Corporation, Limited, Tiruchirappalli. (5 points of supply.) |
| <b>V. Water Works.</b>                                                          | 27 The Negapatnam Electric Supply Corporation, Negapatnam.                                          |
| 9 The Erode Municipality, Erode.                                                | 28 The Kumbakonam Electric Supply Corporation, Limited, Kumbakonam. (2 points of supply.)           |
| 10 The Salem Municipality, Salem.                                               | 29 The South Arcot Electricity Distribution Company, Limited, Villupuram. (3 points of supply.)     |
| <b>VI. Other Industries.</b>                                                    | <b>XI. Municipalities.</b>                                                                          |
| 11 The Mettur Chemical and Industrial Corporation, Limited, Mettur. (3 points.) | 30 The Karur Municipality, Karur.                                                                   |
| 12 The Indian Metal and Metallurgical Corporation, Limited, Mettur.             | 31 The Tanjore Municipality, Tanjore.                                                               |
| 13 The Decan Sugar and Abkari Company, Limited, Pugalur.                        | 32 The Thirupathur Municipality, Thirupathur.                                                       |
| 14 The Erode Bleaching and Finishing Company, Erode.                            |                                                                                                     |
| 15 The Solar Industries and Trades, Limited, Erode.                             |                                                                                                     |
| <b>VII. Government Department.</b>                                              |                                                                                                     |
| 16 The Executive Engineer, P.W.D., Mettur.                                      |                                                                                                     |

## APPENDIX G-3.

List of H.T. consumers supplied directly by the Electricity Department—  
Papanasam System.

| Serial number, name of the consumer and name of the place. | Serial number, name of the consumer and name of the place. |
|------------------------------------------------------------|------------------------------------------------------------|
| <b>I. Cement.</b>                                          | <b>II. Textiles—cont.</b>                                  |
| 1 India Cements, Thalayuthu, Tirunelveli district.         | 6 Kothandaram Mills, Madurai.                              |
| <b>II. Textiles.</b>                                       | 7 Mahalakshmi Mills, Pannamalai, Madurai.                  |
| 2 Madura Mills, Madurai.                                   | 8 Madurai Mills, Virudhunagar.                             |
| 3 Pandian Mills, Madurai.                                  | 9 East India Corporation, Sattur.                          |
| 4 Meenakshi Mills, Madurai.                                | 10 Textile Mills, Virudhunagar.                            |
| 5 Rajah Mills, Madurai.                                    | 11 Loyal Mills, Kovilpatti.                                |
|                                                            | 12 Laxmi Mills, Kovilpatti.                                |

## APPENDIX G-3—cont.

List of H.T. consumers supplied directly by the Electricity Department—  
Papanasam System—cont.

| Serial number, name of the consumer and name of the place. | Serial number, name of the consumer and name of the place.                   |
|------------------------------------------------------------|------------------------------------------------------------------------------|
| <b>II. Textiles—cont.</b>                                  | <b>V. Chemicals.</b>                                                         |
| 13 Madura Mills, Kadambur.                                 | 29 Industrial Chemical Company, Thalayuthu.                                  |
| 14 Karthikeyan Mills, Veeravanallur.                       | 30 Ramaraju Surgical Cotton Mills, Limited, Rajapalayam.                     |
| 15 Harvey Mills, Ambasamudram.                             | <b>VI. Government Department.</b>                                            |
| 16 Rajapalayam Mills, Limited, Rajapalayam.                | 31 Manimuthar Project, Tirunelveli District.                                 |
| 17 Jayaram Mills, Limited, Rajapalayam.                    | <b>VII. Other Industries.</b>                                                |
| 18 Janakiram Mills, Limited, Rajapalayam.                  | 32 Agricultural Farms, Pudugramam, Tirunelveli.                              |
| 19 Sri Shanmugar Mills, Limited, Rajapalayam.              | 33 Agricultural Farms, Inam Vepankulam, Tirunelveli.                         |
| 20 Chandrasekhara Bharathi Weaving Mills, Rajapalayam.     | <b>VIII. Licenses.</b>                                                       |
| 21 Visalakshi Mills, Vilangudi.                            | 34 South Madras Electric Supply Company.                                     |
| <b>III. Water Works.</b>                                   | 35 Nattarasankottai Electric Supply Corporation.                             |
| 22 Public Water Works, Virudhunagar.                       | 36 Tirunelveli-Tuticorin Electric Supply Company.<br>(Two points of supply.) |
| <b>IV. Oil Mills.</b>                                      | <b>IX. Municipality.</b>                                                     |
| 23 T. M. M. Mathalai Nadar, Virudunagar.                   | 37 Madurai Municipality, Madurai.                                            |
| 24 T. M. S. Mathalai Nadar, Virudunagar.                   |                                                                              |
| 25 Southern Oil Mills, Virudunagar.                        |                                                                              |
| 26 M. S. Paramasiva Nadar, Virudunagar.                    |                                                                              |
| 27 K. C. A. S. Durairaj Nadar, Sivakasi.                   |                                                                              |
| 28 Orient Products, Tirumangalam.                          |                                                                              |

## APPENDIX G-4.

List of H.T. consumers directly served by the Electricity Department—  
Madras System.

| Serial number, name of the consumer and name of the place.       | Serial number, name of the consumer and name of the place. |
|------------------------------------------------------------------|------------------------------------------------------------|
| 1 Addison & Co.                                                  | 39 Massey & Co.                                            |
| 2 Addisons Paint Factory and Sembiam Saw Mills.                  | 40 *Madras Rubber Factory.                                 |
| 3 Ajax Products.                                                 | 41 *Madras Pencil Factory.                                 |
| 4 Ashok Motors.                                                  | 42 *Medical Stores (Government).                           |
| 5 A.V.M. Studios.                                                | 43 Madras Electric Tramways, Limited.                      |
| *6 Avadi Military Base.                                          | 44 "Mail", Mount Road.                                     |
| 7 Associated Printers.                                           | 45 Narasu Studios, Guindy.                                 |
| 8 Best & Co., Ltd.                                               | 46 Neptune Studios, Adyar.                                 |
| 9 Buckingham and Carnatic Mills.                                 | 47 National Carbon Company, Tiruvottiyur.                  |
| 10 Chingleput Electric Supply Company, Ltd. (3 points of supply) | 48 Nazir Hussain Tannery, Sembiam.                         |
| 11 Christian College, Tambaram.                                  | 49 Palar Mills, Walajabad.                                 |
| 12 City Ice Factory, General Patters Road.                       | 50 Poondi Irrigation Research Divisions, Tiruvallur.       |
| 13 *Civil Aerodrome, Meenambakkam.                               | 51 Printers India Limited, Tiruvottiyur.                   |
| 14 Chrome Leather Company, Chromepet.                            | 52 *Pioneer Cycle Works.                                   |
| 15 Corporation of Madras, Cold Storage, Moore Market.            | 53 Port Trust, Madras.                                     |
| 16 Do. Kilipauk Pumping Station.                                 | 54 Revathi Studios, Kodambakkam.                           |
| 17 Do. Street Lighting.                                          | 55 Richardson Cruddas, Rayapuram.                          |
| 18 East Asiatic Company.                                         | 56 R.N.A.S., Tambaram.                                     |
| 19 Engineering College, Guindy.                                  | 57 Rallies (India), Limited, Rayapuram.                    |
| 20 *Fishaven, Adyar.                                             | 58 St. Joseph's Industrials, Basin Bridge.                 |
| 21 Gordon Woodroffs Company, Pallavaram.                         | 59 Simpson & Co., Mount Road.                              |
| 22 Government Broadcasting Station, Guindy.                      | 60 Spencer & Co., Mount Road.                              |
| 23 Government Milk Plant, Teynampet.                             | 61 South India Battery Manufacturing Company.              |
| 24 Government Press, Mint Street.                                | 62 South India Carbonic Gas Industries, Rayapuram.         |
| Hindu Press, Mount Road, Madras-2.                               | 63 Southern Railways, Perambur.                            |
| Hindustan Metal Refinery and Rolling Mills.                      | 64 Southern Railways, Beach.                               |
| 27 Hoe & Co.                                                     | 65 Southern Railways, Egmore.                              |
| 28 Indian Metal and Metallurgical Corporation, Tondiarpet.       | 66 South Indian Royal Ice Factory, Egmore.                 |
| 29 Indian Express.                                               | 67 Standard Motors, Vandalur.                              |
| 30 India Pistons, Limited.                                       | 68 Sundaram Motors, Mount Road.                            |
| 31 Indian Oxygen and Acetylene Company.                          | 69 Sri Rama Rolling Mills.                                 |
| 32 Lady Willingdon Nursing Home.                                 | 70 Theosophical Society, Adyar.                            |
| 33 Law College Pumping Station.                                  | 71 T.I. Cycles (India), Limited.                           |
| 34 Madras Institute of Technology.                               | 72 Vauhini Studios.                                        |
| 35 Madras Race Club.                                             | 73 Vummidiar & Co., Mount Road.                            |
| 36 Military Pumping Station, Anakaputhur.                        | 74 Wood Screw Manufacturing Factory, Pulai.                |
| 37 Metal Box Company, Tondiarpet.                                | 75 Wireless Station, Fort St. George.                      |
| 38 Mysore Vegetable and Oil Products, Basin Bridge.              | 76 *Government Coach Building, Factory.                    |
|                                                                  | 77 *Jeewanlal & Co.,                                       |
|                                                                  | 78 *Stoneware Pipes Limited, Tiruvallur.                   |
|                                                                  | 79 *Winco—Western India Manufacturing Company.             |

\* Added during 1953-54.

## APPENDIX G-5.

## List of textile mills and other H.T. consumers, their connected load and maximum demand during 1953-54 in electric licensees' areas.

| Serial number and name of electric licensee.         | Textile mills.                                                | Other H.T. consumers.                                                                   | Connected load.             | Maximum demand.           |
|------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|---------------------------|
| (1)                                                  | (2)                                                           | (3)                                                                                     | (4)                         | (5)                       |
| 1 Ambur-Vaniyambadi.                                 | ..                                                            | One.                                                                                    | 102 K.W.                    | 27 K.W.                   |
| 2 Kozhikode ..                                       | (1) Malabar Spinning and Weaving Mills, Limited.              | ....                                                                                    | 816 K.W.                    | 410 K.V.A.                |
|                                                      |                                                               | (2) K. C. Saw Mills ..                                                                  | 168 "                       | 102 "                     |
|                                                      |                                                               | (3) Water Works ..                                                                      | 120 "                       | 72 "                      |
|                                                      |                                                               | (4) Standard Tile and Clay Works, Limited.                                              | 1,216 "                     | 1,020 "                   |
| 3 Cannanore-Tellicherry.                             | (1) Aaron Spinning and Weaving Mills, Ltd., Pappiniaseri.     | (3) Western India Plywood, Ltd., Ballapattam.                                           | 1,687 K.W.<br>(1 + 2 + 3)   | 894 K.V.A.<br>(1 + 2 + 3) |
|                                                      | (2) Cannanore Spinning and Weaving Mills, Limited, Cannanore. |                                                                                         |                             |                           |
| 4 Coimbatore ..                                      | ....                                                          | Coimbatore Railway Station.                                                             | 50 K.W.                     | 50 K.W.                   |
| 5 East Ramanathapuram.                               | ....                                                          | (1) Messrs. Sri Meenakshi Electric Corporation, Limited, Devakottai.                    | 1,552 "                     | 278 K.V.A.                |
|                                                      |                                                               | (2) Messrs. Sri Meenakshi Sundareswarai Electric Power Corporation, Limited, Karakkudi. | 2,290 "                     | 509 "                     |
|                                                      |                                                               | (3) Messrs. Kanadukathan Electric Supply Corporation, Limited, Kanadukathan.            | 3,976 "                     | 544 "                     |
|                                                      |                                                               | (4) Southern Railway, Manamadurai Junction.                                             | 16 "                        | 15 K.W.                   |
|                                                      |                                                               | (5) Southern Railway, Marine Workshops, Mandapam.                                       | 196 "                       | 85 "                      |
|                                                      |                                                               | (6) Chief Research Officer, Marine Fisheries, Mandapam.                                 | 44 "                        | 13 "                      |
|                                                      |                                                               | (7) The Superintendent, Ceylon Government Quarantine Camp.                              | 75 "                        | 51 "                      |
| 6 East Tanjore.                                      | ....                                                          | (1) South Arcot Electricity Distribution Company, Ltd., Madras.                         | 1,361 K.W.                  | 300 K.W.                  |
|                                                      |                                                               | (2) Karakkal Electric Supply Company, Ltd., Tirumalairajan Pattinam.                    | 322 "                       | 284 K.V.A.                |
|                                                      |                                                               | (3) Karakkal Electric Supply Company, Ltd., Agalancannu.                                | 36 "                        | 32 K.W.                   |
|                                                      |                                                               | (4) Executive Officer, Panchayat Board, Aranthangi.                                     | 8 "                         | 4 "                       |
|                                                      |                                                               | (5) District Electrical Engineer, Southern Railway, Golden Rock.                        | 48 "                        | 48 "                      |
| 7 Kanadukathan Electric Supply Corporation, Limited. | ....                                                          | (1) Superintending Engineer, Papanasam Electricity System.                              | 289 K.W.                    | 160 K.W.                  |
|                                                      |                                                               | (2) South Madras Electric Supply Corporation, Ltd.                                      | 271 "                       | 115 "                     |
| 8 Karakkudi.                                         | B.V. Textiles ..                                              | ....                                                                                    | 1,20 K.W.<br>(L.T. supply.) | Nil.                      |
| 9 Madurai ..                                         | ..                                                            |                                                                                         |                             |                           |

\* Particulars not furnished by the licensees.

## APPENDIX G-5—cont.

List of textile mills and other H.T. consumers, their connected load and maximum demand during 1953-54 in electric licensees' areas—cont.

| Serial number and name of electric licensee.          | Textile mills.                                           | Other H.T. consumers.                                                             | Connected load. | Maximum demand. |
|-------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------|
| (1)                                                   | (2)                                                      | (3)                                                                               | (4)             | (5)             |
| 10 Nagapattinam Electric Supply Company, Ltd.         | ....                                                     | The Indian Steel Rolling Mills, Nagapattinam.                                     | 2,467 K.W.      | 1,070 K.W.      |
| 11 Ponnammara-vathi Electric Supply Corporation, Ltd. | (1) Pudukkottai Textiles, Ltd., Ramachandrapuram.        | ....                                                                              | 580 "           | 195 "           |
|                                                       |                                                          | Sri Brahmaydyambal Electric Supply Corporation, Limited, Ramachandrapuram.        | 1,225 "         | 180 "           |
| 12 The Pudukkottai Electric Supply Corporation, Ltd.  | (1) Messrs. Kanagavel Mills, Ltd., Pudukkottai.          | ....                                                                              | 100 H.P.        | 80 K.V.A        |
|                                                       | (2) Messrs. Dawood Mills, Ltd.                           | ....                                                                              | 90 "            | 75 "            |
|                                                       | (3) Sri Mahaganapathy Spinning Mills, Ltd., Pudukkottai. | ....                                                                              | 90 "            | 75 "            |
| 13 Pudukkottai State Electric Licence.                | (1) Sri Meenakshi Mills, Ltd., Uellampatti.              | ....                                                                              | 690 K.W.        | 455 "           |
|                                                       | (2) Cauvery Spinning and Weaving Mills, Ltd., Vallanur.  | ....                                                                              | 372 "           | 480 "           |
|                                                       |                                                          | (1) Messrs. Pudukkottai Electric Supply Corporation, Ltd., Pudukkottai.           | 1,656 "         | 490 "           |
|                                                       |                                                          | (2) Messrs. Ponnammara-vathi Electric Supply Corporation, Ltd., Ponnammara-vathi. | 2,239 "         | 515 "           |
| 14 Salem-Erode Electricity Distribution Company, Ltd. | (1) Rajendra Mills, Ltd., Gandhinagar, Salem.            | ....                                                                              | 911 "           | 470 "           |
|                                                       | (2) Jawahar Mills, Ltd., Salem.                          | ....                                                                              | 1,091 "         | 672 "           |
|                                                       | (3) Pulicar Mills, Ltd., Tiruchengode.                   | ....                                                                              | 603 "           | 270 K.W.        |
|                                                       |                                                          | (1) Southern Railway, Salem Junction.                                             | 41 "            | 45 "            |
|                                                       |                                                          | (2) The National Starch Industries, Ltd., Salem.                                  | 127 "           | 42 "            |
|                                                       |                                                          | (3) K. Somasundaram Chettiar, Lokashanmugaperumal Ginning and Oil Mills, Salem.   | 185 "           | 110 K.V.A.      |
|                                                       |                                                          | (4) The Modern Theatres, Ltd., Salem.                                             | 100 "           | 52 "            |
| 15 South Arcot Electricity Distribution Co., Ltd.     | National Sewing Thread Co.                               | ....                                                                              | 75 K.W.         | 87 K.V.A.       |
|                                                       |                                                          | (1) Annamalai University, Chidambaram.                                            | 317 "           | 71 K.W.         |
|                                                       |                                                          | (2) Rallies (India), Ltd., Cuddalore O.T.                                         | 90 "            | 150 "           |
|                                                       |                                                          | (3) Messrs. East India Distilleries and Sugar Factories, Ltd., Nellikuppam.       | 190 "           | 20 K.V.A.       |
|                                                       |                                                          | (4) Messrs. Madras Vanaspathy, Ltd., Villupuram.                                  | 468 "           | 13 K.W.         |
|                                                       |                                                          | (5) Louis Dryfus Company.                                                         | 53 "            | 15 "            |

## APPENDIX G-5—cont.

List of textile mills and other H.T. consumers, their connected load and maximum demand during 1953-54 in electric licensees' areas—cont.

| Serial number and name of electric licensee.                 | Textile mills.                                    | Other H.T. consumers.                                                       | Connected load. | Maximum demand.         |
|--------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------|-----------------|-------------------------|
| (1)                                                          | (2)                                               | (3)                                                                         | (4)             | (5)                     |
| 16 Tanjore ..                                                | ....                                              | (1) Public Water Works                                                      | 108 K.W.        | 50 K.V.A                |
|                                                              |                                                   | (2) Railway .. ..                                                           | 37 "            | 32 K.W.                 |
| 17 Tinnevely-Tuticorin Electric Supply Co., Ltd., Tuticorin. | (1) Messrs. Madura Mills Co., Ltd.                | ..                                                                          | 2,765 "         | 1,120 K.V.A.            |
|                                                              | (2) Messrs. Sankar Mills.                         | ..                                                                          | 145 "           | 118 "                   |
|                                                              | (3) Messrs. Ganapathy Mills.                      | ..                                                                          | 140 "           | 100 "                   |
|                                                              | (4) Messrs. Tuticorin Spinning Mills.             | ..                                                                          | 380 "           | 172 "                   |
|                                                              |                                                   | (5) Wananad Water Works.                                                    | 62 "            | 49 "                    |
|                                                              |                                                   | (6) Tuticorin Salt Refineries.                                              | 138 "           | 105 "                   |
| 18 Tiruchirappalli-Srirangam electric licensee.              | (1) Tiruchirappalli Mills, Ltd., Tiruchirappalli. | ....                                                                        | 676 "           | 340 K.V.A.              |
|                                                              |                                                   | (1) Messrs. Dalmia Cement, Ltd., Dalmiapuram (Cement Factory).              | 6,086 "         | 3,980 "                 |
|                                                              |                                                   | (2) Messrs. Dalmia Cement, Ltd. (Pumpest at Alangudi.)                      | 40 "            | 41 K.W.                 |
|                                                              |                                                   | (3) Station Director, All-India Radio, Tiruchirappalli.                     | 50 "            | 31 "                    |
|                                                              |                                                   | (4) Messrs. the Hindustan Vanaspathy Manufacturing Company, Ltd.            | 491 "           | 296 K.V.A.              |
| 9 Tiruppattur.                                               | One L.T. Consumer ..                              | ....                                                                        | 10 H.P.         | 7 K.W.                  |
| 10 Vellore ..                                                | ..                                                | (1) Messrs. Sudarsan Oil Mills, Ltd., Katpadi.                              | 500 K.W.        | disconnected July 1953. |
|                                                              |                                                   | (2) The Christian Medical College Hospital, Vellore.                        | 300 "           | 116 K.W.                |
|                                                              |                                                   | (3) The Christian Medical College, Thorapady.                               | 155 "           | NIL.                    |
|                                                              |                                                   | (4) Messrs. East India Distilleries and Sugar Factories, Limited, Rani-pet. | 617 "           | 325 K.V.A.              |

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54—cont.

## PYKARA ELECTRICITY SYSTEM—cont.

## COIMBATORE DISTRICT—cont.

## Coimbatore taluk—cont.

- 168 Pallapalayam.
- 169 Pattanam.
- 170 Periaputhur.
- 171 Pullangulam.
- 172 Paramaswaranpalayam.
- 173 Ramanathapuram.
- 174 Ramachettipalayam.
- 175 R.N. Puram.
- 176 Rangappagoundenpudur.
- 177 Raktipalayam.
- 178 Samakulam.
- 179 Saravanampatti.
- 180 Sircarsamakulam.
- 181 Souripalayam.
- 182 Sengalipalayam.
- 183 Sinnavadampatti.
- 184 Sengapur.
- 185 Sidhanalokenpalayam.
- 186 Sengodagoundenpudur.
- 187 Sennipalayam.
- 188 Samichettipalayam.
- 189 Sukkaravarapalayam.
- 190 Siripalayam.
- 191 Thettipalayam.
- 192 Thondamuthur.
- 193 Thudiyalur.
- 194 Thattanpudur.
- 195 Thirumalayampalayam.
- 196 Thoppampatti.
- 197 Thenkarai.
- 198 Thennamanallore.
- 199 Udayampalayam.
- 200 Uppilipalayam.
- 201 Vadamathurai.
- 202 Vellankurichi.
- 203 Vellalore.
- 204 Vellalkdnar.
- 205 Vellamadai.
- 206 Veerapandi.
- 207 Venkitapuram.
- 208 Veerakeralam.
- 209 Viyampalayam.
- 210 Vadavalli.
- 211 Vedapatti.
- 212 Vellanaipatti.
- 213 Verlampalayam.
- 214 Vallampalayam.
- 215 West Chitralchavadi.
- 216 Appachigoundanpatti.
- 217 Balaramanathapuram.
- 218 Mangalapalayam.
- 219 Semmedu.
- 220 Subbanalokenpatti.
- 221 V. N. Palayam.
- 222 Arasipalayam.

## Dharapuram taluk.

- 223 Dharapuram.
- 224 Dhalavaiptnam.
- 225 Periyakumarapalayam.

## Erode taluk.

- 226 Chemmalai.
- 227 Chengapalli.
- 228 Chinnakarapalayam.
- 229 Irugur.
- 230 Kunthar.
- 231 Kavathampalayam.
- 232 Mugasipdaryur.
- 233 Perundurai.
- 234 Reddipalayam.
- 235 Sengalipalayam.
- 236 Sundakkampalayam.
- 237 Thiruvankampalayam.
- 238 Thalappatti.
- 239 Uthukull.
- 240 Virumandampalayam.
- 241 Vellankoll.
- 242 Muthampalayam.
- 243 Kambliampatti.
- 244 Nagappagoundenpalayam.

## COIMBATORE DISTRICT—cont.

## Erode taluk—cont.

- 245 Kambliampatti (93).\*
- 246 Nagappagoundenpalayam (93).\*
- Gobichettipalayam taluk.
- 247 Gobichettipalayam.
- 248 Chittandipalayam.
- 249 Getticheyyur.
- 250 Kollipalur.
- 251 Karattupalayam.
- 252 Modachur.
- 253 Pariyur.
- 254 Panickanpalayam.
- 255 Santhapalayam.
- 256 Siruvallur.
- 257 Satyamangalam.
- 258 Rangasamudram.
- 259 Kavathapalayam.

## Palladam taluk.

- 260 Anuppapalayam.
- 261 Appanalkenpatti.
- 262 Arasur.
- 263 Aruganpalayam.
- 264 Athappagoundenpudur.
- 265 Audinarayanapuram.
- 266 Alathupalagari.
- 267 Anupatty.
- 268 Agraharapudur.
- 269 Ammapalayam.
- 270 Bommalgoundenpatti.
- 271 Chandrakari.
- 272 Chinnavadugapalayam.
- 273 Chinnayangoundenvalasu.
- 274 Chittambalam.
- 275 Chittambalampudur.
- 276 G.N. Palayam.
- 277 Ganapathipalayam.
- 278 Irugur.
- 279 Ichipatti.
- 280 Kallipalayam.
- 281 Kallikanalokenpalayam.
- 282 Kaniyur.
- 283 Kannanpalayam.
- 284 Karadibavi.
- 285 Karavallampudur.
- 286 Koaavampalayam.
- 287 Kalengai.
- 288 Kombakadu.
- 289 Karunamapet.
- 290 Kadambabeddyur.
- 291 Kodangipalayam.
- 292 Rodampadi.
- 293 Karaiyur.
- 294 Krishnapudur.
- 295 Lakshminalokenpalayam.
- 296 Maranapur.
- 297 Mallampatti.
- 298 Mudalipalayam.
- 299 Mangalam Vandipalayam.
- 300 Mallegoundapalayam.
- 301 Mannarai.
- 302 Mallai Koll.
- 303 Muthunalkenpalayam.
- 304 Muthugoundenpudur.
- 305 Neelambur.
- 306 Nankkadu.
- 307 Nannapuram.
- 308 Nellore.
- 309 Odderpalayam.
- 310 Palladam.
- 311 Pappampatti.
- 312 Patnam.
- 313 Peedampalli.
- 314 Paramasvampalayam.
- 315 Perumanallur.
- 316 Paruvai.
- 317 Pullapalayam.
- 318 Pullampatty.
- 319 Pollikalpalayam.
- 320 Rasipalayam.
- 321 Ravathur.
- 322 Rangasamudram.
- 323 Ramanalokenpalayam.

\* Villages electrified during the year.

## APPENDICES

## APPENDIX H-1.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54.

## PYKARA ELECTRICITY SYSTEM.

## COIMBATORE DISTRICT.

## Avanashi taluk.

- 1 Agraharapudur.
- 2 Alampalayam.
- 3 Alangattupuram.
- 4 Alagappagoundenpudur.
- 5 Ananthagiri.
- 6 Angeripalayam.
- 7 Andipalayam.
- 8 Annur.
- 9 Avanaashi.
- 10 Avanaashipalayam.
- 11 Avanaashilingampalayam.
- 12 Belladi.
- 13 Chikkadasampalayam.
- 14 Chikkampalayam.
- 15 Chockampalayam.
- 16 Dasampalayam.
- 17 Ellapalayam.
- 18 Giddanpalayam.
- 19 Kallar.
- 20 Kalingarayampalayam.
- 21 Kalathiyur.
- 22 Karavallur.
- 23 Karamadal.
- 24 Kadathur.
- 25 Kanur.
- 26 Kaniyampundi.
- 27 Kariampalayam.
- 28 Kavundampalayam.
- 29 Karuppanampalayam.
- 30 Kannarpalayam.
- 31 Kurumbapalayam.
- 32 Kannampalayam.
- 33 Kasigoundenpudur.
- 34 Kattampatti.
- 35 Kempanalokenpalayam.
- 36 Momarapalayam.
- 37 Krishnagoundanpudur.
- 38 Krishnapuram.
- 39 Kuppalpalayam.
- 40 Maddampalayam.
- 41 Madathupalayam.
- 42 Mangalakariyur.
- 43 Masagoundenchettipalayam.
- 44 Mathampalayam.
- 45 Marudai.
- 46 Maranagoundenpudur.
- 47 Mettupalayam.
- 48 Nariampalli.
- 49 Nambalampalayam.
- 50 Nallithorai.
- 51 Odenthorai.
- 52 Orakkalpalayam.
- 53 Onnipalayam.
- 54 Perumanallur.
- 55 Ponnalgoundanpudur.
- 56 Punalur.
- 57 Palankarai.
- 58 Pugalur.
- 59 Pillappanpalayam.
- 60 Puthur.
- 61 Rakkipalayam.
- 62 Ranganathapuram.
- 63 Ramanathapuram.
- 64 Semmandampalayam.
- 65 Sembianallur.
- 66 Samanalokenpalayam.
- 67 Thelungupalayam.
- 68 Thirumuruganpundi.
- 69 Thekkampatti.
- 70 Thenampalayam.
- 71 Thecham palayam.
- 72 Thottakalampudur.
- 73 Virugapalayam.
- 74 Vanniipalayam.
- 75 Veerapandi.
- 76 Velayudampalayam.
- 77 Allikulam.
- 78 Bodithampalayam.
- 79 Chinnar palayam.
- 80 Devarayapuram.
- 81 Kondayampalayam.
- 82 Kurukampalayam.
- 83 Mullapadi.
- 84 Moyarpalayam.
- 85 Samanthankottai.

## COIMBATORE DISTRICT—cont.

## Avanashi taluk—cont.

- 86 Sundakkampalayam.
- 87 Sengalpalayam.
- 88 Thekkalur.
- 89 Thevarampalayam.
- 90 Vadakkalpalayam.
- 91 Valluvapalayam.
- 92 Velandipalayam.
- 93 Karegoundenpalayam.\*
- 94 Kariakkampalayam.\*
- 95 Nanupalayam.\*
- 96 Nalichettipalayam.\*
- 97 Uppilipalayam.\*
- 98 Vellegoundenpalayam.\*

## Coimbatore taluk

- 99 Agraharasamakulam.
- 100 Athinarayanapuram.
- 101 Arumughaoundenpudur.
- 102 Athumunda Thottam.
- 103 Athipalayam.
- 104 Ayyampalayam.
- 105 Alandurai.
- 106 Ambilipudur.
- 107 Bodipalayam.
- 108 Chettipalayam.
- 109 Chitralchavadi.
- 110 Chinnamettupalayam.
- 111 Chavadipudur.
- 112 Devinalokenpalayam.
- 113 Devayapuram.
- 114 Dombilipalayam.
- 115 Edayapalayam.
- 116 Echaneri.
- 117 Ettimadal.
- 118 Edayarapalayam.
- 119 Ganapathy.
- 120 Govindanalokenpalayam.
- 121 Gudalur.
- 122 Idigarai.
- 123 Jengamanalokenpalayam.
- 124 Kalapatti.
- 125 Kallimadal.
- 126 Kandangoundansalai.
- 127 Keeranatham.
- 128 Kondayampalayam.
- 129 Krishnarayapuram.
- 130 Kuniamuthur.
- 131 Kurichi.
- 132 Kurundampalayam.
- 133 Kurumbanur.
- 134 Kumarapalayam.
- 135 Kuppapur.
- 136 Kalikanalokenpalayam.
- 137 Kuppakonampudur.
- 138 Karumathampatti.
- 139 Kurumbapalayam.
- 140 Kaikolapalayam.
- 141 Karadayampalayam.
- 142 Kalipalayam.
- 143 Machapalayam.
- 144 Madukkarai.
- 145 Maniakaranpalayam.
- 146 Machampalayam.
- 147 Malamachampatti.
- 148 Mettupalayam.
- 149 Narasimhanalokenpalayampudur.
- 150 Nanjundapuram.
- 151 Neelikonampalayam.
- 152 Naduppapalayam.
- 153 Nalickenpalayam.
- 154 Ondiputhur.
- 155 Onnipalayam.
- 156 Palathorai.
- 157 Pappanalokenpalayam.
- 158 Pannimadal.
- 159 Perinalokenpalayam.
- 160 Perur.
- 161 Perurchettipalayam.
- 162 Podanur.
- 163 Pudupalayam.
- 164 Pudur.
- 165 Peelamedu.
- 166 Pullakulam.
- 167 Pachapalayam.

\* Villages electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government.  
Electricity Department as at the end of 1953-54—cont.

## PYKARA ELECTRICITY SYSTEM—cont.

## COIMBATORE DISTRICT—cont.

## Palladam taluk—cont.

324 Sengodagoundenpudur.  
325 Somanur.  
326 Sulur.  
327 Samalapuram.  
328 Selappampalayam.  
329 Selakarichal.  
330 Semmipalayam.  
331 Sukkaripalayam.  
332 Sennappachettypudur.  
333 Thottipalayam.  
334 Uthupalayam.  
335 Unjipalayam.  
336 Vadugapalayam.  
337 Velayampalayam.  
338 Velampalayam.  
339 Ayyampalayam.  
340 Ayyaripalayam.  
341 Andipalayam.  
342 Devarayapalayam.  
343 Kalipalayam.  
344 Kallampalayam.  
345 Kaniyampundi.  
346 Kullagoundenpalayam.  
347 Manickanpudur.  
348 Panikkampalli.  
349 Rasagoundanpalayam.  
350 Sekkampalayam.  
351 Subbaroyapalayam.  
352 Thekkampalayam.  
353 Appiapalayam.  
354 Ittivelampalayam.  
355 Nasavampalayam.  
356 Venkatapuram.  
357 Ittivelampalayam (7).  
358 Appayampalayam (7).  
359 Najavampalayam (69).  
360 Venkatapuram (69).\*

## Pollachi taluk.

361 Achipatti.  
362 Angalakurichi.  
363 Ambampalayam.  
364 Akkilandapuram.  
365 Chittoor.  
366 Erislampatti.  
367 Gomangalampudur.  
368 Iyerpadi.  
369 Kallapuram.  
370 Kinathukidavu.  
371 Kollipalayam.  
372 Kattampatti.  
373 Kottur.  
374 Kamatchipuram.  
375 Kanjampatty.  
376 Lakshmanapuram.  
377 Malakinalckenpatti.  
378 Mallamparai.  
379 Malayandipatnam.  
380 Muthur.  
381 Mullupadi.  
382 Othalkalmandapam.  
383 Okkilipalayam.  
384 Perianagaram.  
385 Ponnapuram.  
386 Pillichinnampalayam.  
387 Pollachigoundenpudur.  
388 Ramanamudalipudur.  
389 Sakkaripalayam.  
390 Samathoor.  
391 Samathurai.  
392 Sethumadal.  
393 Singanallur.  
394 Sholavampalayam.  
395 Subbiagoundenpudur.  
396 Singampalayam.  
397 Thattharowthenpudur.  
398 Thensangampalayam.  
399 Valparai.  
400 Vettalkaranpudur.  
401 Chellampampalayam.  
402 Karathumadam.  
403 Karalampalayam.

## COIMBATORE DISTRICT—cont.

## Pollachi taluk—cont.

404 Kurumbapalayam.  
405 Mettupalayam.  
406 Narayanachettipalayam.  
407 Nilambur.  
408 Nalligoundenpalayam.  
409 Sadaagoundanpudur.  
410 Sengalipalayam.  
411 Senguthupalayam.  
412 Sholanur.  
413 Senniyur.  
414 Sulakkal.  
415 Somanathapuram.  
416 Somanthurai.  
417 Thalakarai.  
418 Varadanur.  
419 Chinnampalayam.  
420 Ganagampalayam.  
421 Devambabi village.  
422 Iyempalayam.  
423 Manilagoundenpudur.  
424 Pethanaickenur.  
425 Sevegarampalayam.  
426 Avalachinnampalayam (107).  
427 Pandanripalayam (136).  
428 Kanganathampudur (37).  
429 Rajakkapalayam (60).\*

## Udamalpet taluk.

430 Annaikadavu.  
431 Adirvelli.  
432 Alampalayam.  
433 Andiyur.  
434 Ammapatti.  
435 Bodinatham.  
436 Bodipatti.  
437 Chinnakumarapalayam.  
438 Chinnavalavadi.  
439 Dhalai.  
440 Gudimangalam.  
441 Guruvappanachenur.  
442 Illuppananagaram.  
443 Jellipatti.  
444 Kulipalayam.  
445 Kaniyur.  
446 Kallapalayam.  
447 Karatholuvu.  
448 Kadathur.  
449 Kolumam.  
450 Komaralingam.  
451 Manupathi.  
452 Murugapatti.  
453 Marupatty.  
454 Muthanachenpatti.  
455 Nallampalli.  
456 Nanjagoundanpudur.  
457 Peedampalli.  
458 Perlapatti.  
459 Perlavavadi.  
460 Pukkulam.  
461 Pollanpalayam.  
462 Ragelbhavi.  
463 Rangammapalayam.  
464 Ramachandrapuram.  
465 Senjivadi.  
466 Sundakkampalayam.  
467 Sadaagoundanpudur.  
468 Udukampalayam.  
469 Vanasepatti.  
470 Virugapathipudur.  
471 Chinnaveerampatty.  
472 Kannamanalckenur.  
473 Kumarapalayam.  
474 Kodinjiyur.  
475 Koralkuttai.  
476 Pulankinar.  
477 Udamalpet.  
478 Audiagoundenpudur.  
479 Matharathi.  
480 Thungavari.  
481 Thummalpatty.  
482 Ponneri.  
483 Vasavandiickenpatty.

\* Electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government.  
Electricity Department as at the end of 1953-54—cont.

## PYKARA ELECTRICITY SYSTEM—cont.

## COIMBATORE DISTRICT—cont.

## Kollegal taluk.

484 Kollegal.  
485 Mudikondan.

## Palladam taluk.

486 Tiruppur.

## MALABAR DISTRICT.

## Palghat taluk.

487 Ellapalli.  
488 Kanjikode.  
489 Parai.  
490 Edathara.  
491 Parli.  
492 Nilambur.  
493 Puduknagaram (94).  
494 Peruvamba (70).  
495 Koduvayur (94).\*

## Ernad taluk.

496 Muniyur (82).  
497 Parappanangudi (59).\*

## Ponnani taluk.

498 Tanur (2).  
499 Tanur nagaram (2).  
500 Tirur (17).  
501 Tirukandiyur (18).  
502 Talakad (30).  
503 Tirukkavu (18).  
504 Ponnani (51).\*

## British Cochin.

505 British Cochin.

## MADURAI DISTRICT.

## Dindigul taluk.

506 Dindigul.  
507 Chinnapatti.  
508 Pittalappatti.  
509 Sembatti.  
510 Sevalsaraku.  
511 Vakkampatti.  
512 Alamarathupatty.

## Kodakkanal taluk.

513 Kodakkanal.  
514 Shembaganur.  
515 Munjikkai Junction.

## Nilakkottai taluk.

516 Ammanalckenur.  
517 Athur.  
518 Ammapattai.  
519 Battalagundu.  
520 Chellampatti.  
521 Nilakkottai.  
522 Pattiveerampatti.  
523 Kannamanalckenur.

## Palni taluk.

524 Akkamanalckenpudur.  
525 Amarapundi.  
526 Ayakudi.  
527 Chittaravu.  
528 Erumanalckenpatti.  
529 Kothamangalam.  
530 Nelkarapatti.  
531 Palni.  
532 Papanpatti.  
533 Sivagupatti.  
534 Thamarakulam.  
535 Thethanachenpatti.  
536 Velagoundanvalasu.  
537 Velayudhanpalayanpudur.

## Periyakulam taluk.

538 Alagapuri.  
539 Alinnagaram.  
540 Chinnamanur.

## MADURAI DISTRICT—cont.

## Periyakulam taluk—cont.

541 Cumbum.  
542 Dombucherry.  
543 Lakshmanapuram.  
544 Koduvillarpatti.  
545 Korampathi.  
546 Nagalapuram.  
547 Periakulam.  
548 Pithalappatti.  
549 Ranganathapuram.  
550 Srinangapuram.  
551 Thottahattanpatti.  
552 Theni.  
553 Thadicherry.  
554 Uttampalayam.  
555 Upparapatti.  
556 Uppukottai.  
557 Veerapandi.  
558 Venkitachalapuram.  
559 Veppampatti.  
560 Vedaveeranaickenpatti.  
561 Unjampatti.  
562 Balakrishnapuram.  
563 Ganguarapatty.  
564 Sukkankalpatti.  
565 Govindanagaram.  
566 Mallayagoundenpatty.  
567 Marikundu.  
568 Subbalapuram.

569 Marikundu (46).  
570 Subbalapuram (46).\*

## NILGIRIS DISTRICT.

## Coonoor taluk.

571 Aravankadu.  
572 Araveni.  
573 Arishutty.  
574 Bearhaty.  
575 Bangalmattam.  
576 Edapalli.  
577 Ellithoral.  
578 Huilical.  
579 Hubathalai.  
580 Jagathala.  
581 Kattubetta.  
582 Coonoor.  
583 Kilkundah.  
584 Kotagiri.  
585 Kilkotagiri.  
586 Konakara.  
587 Kondilika.  
588 Korakarai.  
589 Manthakand.  
590 Marikal.  
591 Melur.  
592 Manjakombai.  
593 Thennary.  
594 Thatthanad.  
595 Wellington Cantonment.  
596 Dhavani Group.  
597 Jacksonarai.  
598 Jackathoral.  
599 Hosatty.  
600 Halakosai.  
601 Karimolashatty.  
602 Kodalkodu.  
603 Paddala.  
604 Pasaratty.  
605 Pamaiveni.

## Gudalur taluk.

606 Devarshola.  
607 Gudalur.  
608 Killur.

## Ootacamund taluk.

609 Balacoal.  
610 Bokkarai.  
611 Deynad.

\* Electrified during the year.

R  
C6. 211 Y N 53

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1953-54—cont.

## PYKARA ELECTRICITY SYSTEM—cont.

## NILGIRIS DISTRICT—cont.

## Ootacamund taluk—cont.

- 612 Glenmorgan.
- 618 Hallakkoral.
- 614 Kelnaraj.
- 615 Kokkalada.
- 616 Kothablin.
- 617 Manithapl.
- 618 Meekari.
- 619 Mayunthola.
- 620 Melkundah.
- 621 Menjoor.
- 622 Manihally.
- 623 Mudugala.
- 624 Mullimalai.
- 625 Mynalla.
- 626 Oranhally.
- 627 Thangadu.
- 628 Devarahola.
- 629 Kandibickal.
- 630 Kamery.
- 631 Katchigally.
- 632 Mathakavadi.
- 633 Marikandi.
- 634 Osanally.
- 635 Ootacamund.
- 636 Ketti village.
- 637 Kerada.
- 638 Achankal.
- 639 Santhur.
- 640 Selas.

## NILGIRIS DISTRICT—cont.

## Ootacamund taluk—cont.

- 641 Palada.
- 642 Halada.
- 643 Tideathatti.
- 644 Manapattu.
- 645 Thodenni.
- 646 Soragundur.
- 647 Ulleda.
- 648 Bikketty villages.

## SOUTH KANARA DISTRICT.

## Udipi taluk.

- 649 Udipi.
- 650 Karakal.
- 651 Manipal and some parts.
- 652 Ambaladi.
- 653 Kadiyur.
- 654 Kadakur.
- 655 Badagabattu.
- 656 Puttur.
- 657 Shivalli.
- 658 Kodavur (Kodur) (19).\*
- 659 Udayavar (87).\*
- 660 Kallianpur (37).\*
- 661 Malpe (46).\*
- 662 Badagabattu (56).\*

## METTUR ELECTRICITY SYSTEM.

## SALEM DISTRICT.

## Mettur taluk.

- 1 Mettur Dam (17).\*
- 2 Omalur (98).\*
- 3 Pachanampatti (87).\*
- 4 Tamangalam (94).\*
- 5 Jalakantapuram (61).\*
- 6 Veerakka (49).\*
- 7 Kolathur (15).\*
- 8 Nattamangalam.
- 9 Kunjandiyur.
- 10 Vanavasi (48).\*
- 11 Tharkad.
- 12 Iyempudur.
- 13 Nangavalli (50).\*
- 14 Kaveripatnam (95).\*
- 15 Boyanapalli (72).\*
- 16 Krishnagiri (78).\*
- 17 Kallipatti (51).\*
- 18 Barga (82).\*

## Krishnagiri taluk.

## Dharmapuri taluk.

- 19 Dharmapuri (107).\*
- 20 Karimangalam (27).\*
- 21 Arasampatti.
- 22 Nadehalli (89).\*
- 23 Palayam (144).\*

## Yercaud taluk.

- 24 Yercaud (Sheveroy) (4).\*

## Salem taluk.

- 25 Elampalli (184).\*
- 26 Ayodiyapatnam (102).\*
- 27 Kondalampatti (151).\*
- 28 Kurumapatti.
- 29 Sellampalayam (166).\*
- 30 Nelkarapatti (150).\*
- 31 Mettupatti (105).\*
- 32 Seehanothavadi.
- 33 Chinnagoundapuram (180).\*
- 34 Vembadithalam (164).\*
- 35 Jari Kondalampatti (124).\*

\* Electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1953-54—cont.

## METTUR ELECTRICITY SYSTEM—cont.

## SALEM DISTRICT—cont.

## Namakkal taluk.

- 74 Erumalpatti (200).\*
- 75 Kondichettipatti (111).\*
- 76 Kongalathur.
- 77 Laddivadi (158).\*
- 78 Pndupatti (159).\*
- 79 Mohanur (214).\*
- 80 Nallipalayam (100).\*
- 81 Namakkal (112).\*
- 82 Pandamangalam.
- 83 Pallikala Palayam (170).\*
- 84 Velur (182).\*
- 85 Vengarai (175).\*
- 86 Kalichettipatti.
- 87 Kalkurichi (11).\*
- 88 Vellalappatti.
- 89 Unjapalayam.
- 90 Kotianampalayam.
- 91 Nanjai Edayar (185).\*
- 92 Tholur (192).\*
- 93 Anaiyapuram (198).\*
- 94 Nallagoundampudur.
- 95 Kanavaipatti.
- 96 Singalamkombai (141).\*
- 97 Paramathi (153).\*
- 98 Narupatti (69).\*
- 99 Ayyampalayam.
- 100 Anangur (157).\*
- 101 Vadagarai Attar.
- 102 Jedarpalayam.

## Harur taluk.

- 103 Singarpatt (118).\*
- 104 Uttangarai (79).\*

## COIMBATORE DISTRICT.

## Erode taluk.

- 105 Chittadu (7).\*
- 106 Edayankattuvalasu.
- 107 Komalamparappu (6).\*
- 108 Kodumudi (192).\*
- 109 Vairapalayam (26).\*
- 110 Veerapanchatram (17).\*
- 111 Goundangalpalayam (197).\*
- 112 Nathamedu (187).\*
- 113 Suriampalayam (6).\*
- 114 Peria Sammur (15).\*

## Bhavani taluk.

- 115 Ammapet (28).\*
- 116 Andiyur (18).\*
- 117 Bhavani (44).\*
- 118 Jambli (48).\*
- 119 Kalbavi (38).\*
- 120 Kasarimangalam (89).\*
- 121 Nerimpepettai (21).\*
- 122 Olagadam (29).\*
- 123 Pudukpalayam (14).\*
- 124 Singampettai (25).\*
- 125 Thalapalayam (48).\*
- 126 Thippichettipalayam (48).\*
- 127 Thottipalayam (45).\*
- 128 Urashikottai (47).\*
- 129 Appakudai (40).\*
- 130 Mondipalayam (37).\*
- 131 Oricheri (42).\*
- 132 Paruvachi (36).\*
- 133 Perumalpalayam (82).\*
- 134 Kondayampalayam (10).\*
- 135 Velli-thiruppur (8).\*
- 136 Athani (10).\*
- 137 Michelpalayam (18).\*
- 138 Mandickampalayam (80).\*
- 139 Peria Vadamalpalayam (43).\*

## COIMBATORE DISTRICT—cont.

## Bhavani taluk—cont.

- 140 Ramalingapuram (108).\*
- 141 Andipalayam (37).\*
- 142 Kalingarayanpalayam (62).\*
- 143 Varadanallur (49).\*
- 144 Punnam (41).\*
- 145 Devasthanamkattur (8).\*
- 146 Kurumbapalayam (30).\*
- 147 Ilipalli (9).\*
- 148 Pattur (16).\*

## Gobichettipalayam taluk.

- 149 Savandapur (97).\*
- 150 Rakkampalayam (100).\*

## TIRUCHIRAPPALLI DISTRICT.

## Karur taluk.

- 151 Punjai Pagalur (9).\*
- 152 Samangal (5).\*
- 153 Thottakurichi (10 + 11).\*
- 154 Uppidamangalam (68).\*
- 155 Vennamalai (30).\*
- 156 Puliyur (84).\*
- 157 Nanaparappu (9).\*
- 158 Thanthonipatti (64).\*
- 159 Thirumalaiahampatti (64).\*
- 160 Lakshimpatty (68).\*
- 161 Noyyal (48).\*
- 162 Samudram (48).\*
- 163 Nadayanoor (6).\*

## Kulitalai taluk.

- 164 Benganathapuram (2).\*
- 165 Manavadi (17).\*
- 166 Veerarakkiam (1).\*
- 167 Balaramapuram (1).\*

## NORTH ARCOT DISTRICT.

## Arkonam taluk.

- 168 Attupakkam.
- 169 Arkonam (28).\*
- 170 Arigilvadi (75).\*
- 171 Asanalkuppam (108).\*
- 172 Nemili (90).\*
- 173 Pullamangalam (29).\*
- 174 Parameswara mangalam (94).\*
- 175 Sayanavaram (92).\*
- 176 Takkolam (96).\*
- 177 Panappakkam (125).\*
- 178 Ocheri (183).\*
- 179 Puderl.
- 180 Thirumalpur (115).\*
- 181 Thirumadulambakkam (76).\*
- 182 Mannattucherry (77).\*
- 183 Strukaramboor. (182).\*
- 184 Aypadi (123).\*
- 185 Melapulam (124).\*
- 186 Kainoor (26).\*
- 187 Thandalam.
- 188 Gururajpet.
- 189 Athipatti (187).\*
- 190 Chittambadi (21).\*
- 191 Kaveripakkam (117).\*

## Vellore taluk.

- 192 Shembakkam (20).\*

## Polar taluk.

- 193 Polar (70).\*

\* Electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1953-54—cont.

## METTUR ELECTRICITY SYSTEM—cont.

## NORTH ARCOT DISTRICT—cont.

## Polur taluk—cont.

- 194 Kunnathur (63).\*
- 195 Benderipattu (71).\*
- 196 Kurivimalai (100).\*
- 197 Kappalur (123).\*
- 198 Kalasapakkam (136).\*
- 199 Thenpalipattu (137).\*
- 200 Mothupalayam.
- 201 Pillur (135).\*
- 202 Palankovil (133).\*
- 203 Kalambur (32).\*

## Chengam taluk.

- 204 Melirupakkam (108).\*
- 205 Kilirupakkam (109).\*

## Wallajpet taluk.

- 206 Allalacheri (185).\*
- 207 Arumbakkam (109).\*
- 208 Kalaval (161).\*
- 209 Kadepperi.
- 210 Lokapuram.
- 211 Ozhughur (50).\*
- 212 Sathembakkam (65).\*
- 213 Sumalthangal (54).\*
- 214 Talangal (45).\*
- 215 Vanghur (44).\*
- 216 Valluvanbakkam (52).\*
- 217 Sholinghur (35).\*
- 218 Pennagar (152).\*
- 219 Pagavalli (55).\*
- 220 Karikkamthangal (121).\*
- 221 Velur (116).\*
- 222 Macheri (167).\*
- 223 Randam.
- 224 Thiruparkadal (68).\*
- 225 Melpudupakkam (175).\*
- 226 Mambakkam (174).\*
- 227 Valaipandal (176).\*
- 228 Melapalandai (177).\*
- 229 Soraiyur (178).\*

## Arni taluk.

- 230 Arni (100).\*
- 231 Kondavetti Thangal (108).\*
- 232 Satyavijayanagar (48).\*
- 233 Palangamur (97).\*
- 234 Katteri (44).\*
- 235 Nadukuppam.
- 236 Mamandoor (49).\*
- 237 Pulavambadi (132).\*
- 238 Thirumalsamudram.
- 239 Samanthapady.
- 240 Nesal.
- 241 Melaverayanoor.
- 242 Kattur.
- 243 Mattatharai.
- 244 Nyndol.
- 245 Kanikuluppal (43).\*

## Cheyyur taluk.

- 246 Tiruvettipuram (135).\*
- 247 Gorukkai (151).\*
- 248 Sethuvanthangal (10).\*
- 249 Poonthandalam (4).\*

## Wandiwash taluk.

- 250 Wandiwash (75).\*
- 251 Ammayapattu (71).\*

## Tiruvannamalai taluk.

- 252 Adayur (87).\*
- 253 Devannandal (90).\*
- 254 Nallavampalayam (99).\*
- 255 Melsettippatti (100).\*
- 256 Vengalkkal (88).\*
- 257 Athiyandil (98).\*
- 258 Ananthandam (97).\*
- 259 Vettavalam (141).\*

## NORTH ARCOT DISTRICT—cont.

## Tiruvannamalai taluk—cont.

- 260 Arasundayampattu (104).\*
- 261 Mallavadi (35).\*
- 262 Usampadi (36).\*
- 263 Durginammandal (81).\*
- 264 Sorandal.\*
- 265 Tiruvannamalai (89).\*

## Tirupattur taluk.

- 266 Anandapatti (155).\*
- 267 Christukulasaramam.
- 268 Extension to four wells.
- 269 Jalarpet (66).\*
- 270 Jalarpet-Vaniyambadi Lines.
- 271 Pachai (74).\*
- 272 Kasinaiickenpatti (94).\*
- 273 Agraharam (59).\*
- 274 Elagiri (65).\*
- 275 Kodiyur.
- 276 Thekupattu.\*

## Gudiyatham taluk.

- 277 Pernambut (41).\*
- 278 Omerabad.
- 279 Nariyambattu (135).\*
- 280 Ananganallore (132).\*
- 281 Natham.
- 282 Bhimapuram.
- 283 Talayatham (89).\*
- 284 Cheruvanki (87).\*
- 285 Gudiyatham (52).\*
- 286 Damalacheruvu.
- 287 Vadakathipatti.
- 288 Maimuthur (88).\*
- 289 Singalpadi (131).\*
- 290 Balur (115).\*
- 291 Kothur.
- 292 Kondasamudram (54).\*
- 293 Pakkam (17).\*
- 294 Kallur.
- 295 Sedukarai.
- 296 Alathur.
- 297 Melalathur (121).\*
- 298 Madapur.
- 299 Tattalam.
- 300 Katteri.
- 301 Sathur.
- 302 Ayikampet.
- 303 Machembut (126).\*

## SOUTH ARCOT DISTRICT

## Tirukkoyilur taluk.

- 304 Kallandal (43).\*
- 305 C. Meyyur (115).\*
- 306 Strumadurai (141).\*
- 307 Tirukkoyilur (74).\*
- 308 Pudupalayam (135).\*
- 309 Veerapandi (24).\*
- 310 Poyyarasur (239).\*
- 311 Edayar (140).\*
- 312 Vellamputhur (55).\*
- 313 Devanur (58).\*
- 314 Kalamarudur (257).\*
- 315 Ulundurpet (322).\*
- 316 Semmanangur (306).\*
- 317 Kumaramangalam (288).\*
- 318 Pulikkal.
- 319 Malayampatti (196).\*
- 320 Tiruvannamalai (178).\*
- 321 Glamam (197).\*

## Villupuram taluk.

- 322 Kandamanadi (191).\*
- 323 Kaveripakkam (200).\*
- 324 Pidagam (190).\*
- 325 Agaram.

\* Electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1953-54—cont.

## METTUR ELECTRICITY SYSTEM—cont.

## SOUTH ARCOT DISTRICT—cont.

## Vridhachalam taluk.

- 326 Vridhachalam (136).\*
- 327 Mangalampet.
- 328 Karunatham (21).\*
- 329 Korakku (250).\*

## Cuddalore taluk.

- 330 Kadambullyur (149).\*
- 331 Melarungunam.

## SOUTH ARCOT DISTRICT—cont.

## Cuddalore taluk—cont.

- 332 Manamandaputhur.
- 333 Natham (165).\*
- 334 Semakotal (162).\*
- 335 Rayapalayam.
- 336 Tiruvapur.
- 337 Veeraperumanallur.
- 338 Visur (148).\*
- 339 Semmedu (159).\*

## PAPANASAM ELECTRICITY SYSTEM.

## MADURAI DISTRICT.

## I. Madurai taluk.

- 1 Anstipatti.
- 2 Avaniyapuram.
- 3 Harveyapatti.
- 4 Palanganatham.
- 5 Panayoor.
- 6 Pasumalai.
- 7 Tirupparankundram.
- 8 Veeramadayam.
- 9 Alagapuri.
- 10 Kothiarikundu.
- 11 Samayanallur.
- 12 Vadapalanji.
- 13 Avanaipuram.
- 14 Ayyanapuram.
- 15 Villacheri.
- 16 Villapuram.
- 17 Thennur.
- 18 Veeratanur.
- 19 Viraganoor.
- 20 Madakkulam.
- 21 Achampathu.

## Nilakottai taluk.

- 22 Sholavandan.
- 23 Thenkarai.\*
- 24 Thiruvadagam (Thatchampattu).\*
- 25 Mannadimangalam.\*
- 26 Ayyappanaiickenpatti.\*
- 27 Kurivithurai.\*

## Melur taluk.

- 28 Melur.
- 29 Thiruvadavoor.
- 30 Therkkupatti.
- 31 Veppadappu.

## Tirumangalam taluk.

- 32 Dharmathupatti.
- 33 Kalligudi.
- 34 Kappalur.
- 35 Kinnimangalam.
- 36 Maravankulam.
- 37 Melappatti.
- 38 Muthupatti.
- 39 Palakkapudupatti.
- 40 Thenpalanji.
- 41 Tirumangalam.
- 42 Vadakarai.
- 43 Sengulam.
- 44 Uchappatti.
- 45 Pudupatti.
- 46 Vadakkampatti.
- 47 Venkatesamudram.
- 48 Sengapadi.
- 49 Kinnimangalam.
- 50 Rayapalayam.
- 51 Kattarampatti.
- 52 Somdaranajapuram.
- 53 Achampatti.
- 54 Alampatti.
- 55 Kuppasur.
- 56 Peraiyur.
- 57 Kallipatti.
- 58 Kalligudi.\*
- 59 Avalurampatti.\*
- 60 Lalapuram.\*
- 61 Villur.\*
- 62 Melakottai Naduvakottai.\*

## RAMANATHAPURAM DISTRICT.

## Ramanathapuram taluk.

## Rameswaram.

## Sattur taluk.

- 63 Chinnamoopanpatti.
- 64 Kattalapatti.
- 65 Koklanjeri.
- 66 Koogunddu.
- 67 Pavalai.
- 68 Pullankulam.
- 69 Sattur.
- 70 Sivakasi.
- 71 Sulakkalai.
- 72 Thiruthangal.
- 73 Valliyur.
- 74 Kumaralingapuram.
- 75 Sengamalanatchiarapuram.
- 76 Avadiyapuram.
- 77 Veerapatti.
- 78 Paraipatti.
- 79 Meenampatti.
- 80 Vadamalaiapuram.
- 81 Othayal.
- 82 Mettupatti.
- 83 Kattalapatti.
- 84 Chandrasulapuram.
- 85 Collegenagar (Virudunagar).
- 86 Pudukurangudi.
- 87 Nadusurangudi.
- 88 Kannaisuryangudi.
- 89 Duraisampuram.
- 90 Lakshmiapuram.
- 91 Sengamalapatti.
- 92 Virudhunagar.

## Aruppukottai taluk.

- 94 Aruppukottai.
- 95 Gopalapuram.
- 96 Palayampatti.
- 97 Tiruchil.
- 98 Kalluruchandal.
- 99 Thottiyankulam.
- 100 Palavanatham.

## Tiruvadanai taluk.

## Thirupattur taluk.

- 101 Tirumanjoli.
- 102 Mahibalanpatti.
- 103 Braniyur.
- 104 Kandavarayanpatti.
- 105 A. Thekkur.
- 106 Poolanuruchi.
- 107 Sevoor.
- 108 Naikuppai.
- 109 Thirupathur.
- 110 Kandaramankulam.
- 111 Pattamangalam.
- 112 Chockanathapuram.
- 113 Adappanandal.
- 114 Senthivayal.
- 115 Thirukkalkudi.

## Sivaganga taluk.

- 116 Okkur.
- 117 Kilapungudi.
- 118 Paganeri.
- 119 Alavakottai.
- 120 Kiliangalam.
- 121 Madakupatti.
- 122 Sholapuram.

\* Villages electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54—cont.

## PAPANASAM ELECTRICITY SYSTEM—cont.

## RAMANATHAPURAM DISTRICT—cont.

## Srielliputtur taluk.

|     |                        |
|-----|------------------------|
| 123 | Ramachandrapuram.      |
| 124 | Ramalingapuram.        |
| 125 | Nachiarpatti.          |
| 126 | Pappanalekenpatti.     |
| 127 | Appanalekenpatti.      |
| 128 | Manageseri.            |
| 129 | Mullikulam.            |
| 130 | Notchikulam.           |
| 131 | Pattakulam.            |
| 132 | Pudur.                 |
| 133 | Nagapalayam.           |
| 134 | Villuppanur.           |
| 135 | Reddiapatti.           |
| 136 | Atchangulam.           |
| 137 | Sammamdhikarikulam.    |
| 138 | Nakkamangalam.         |
| 139 | Sallipatti.            |
| 140 | Nariyankulam.          |
| 141 | Muthuvankatarayapuram. |
| 142 | Pensipatti.            |
| 143 | Kondarayanikulam.      |
| 144 | Kupatchipatti.         |
| 145 | Thethakudy.            |
| 146 | Thiruvankadapuram.     |
| 147 | Kodangipatti.          |
| 148 | Achanthavilthan.       |
| 149 | Akkarapatti.           |
| 150 | Sivagaraiapatti.       |
| 151 | Sengaimalaiapatti.     |
| 152 | Obokkalampatti.*       |
| 153 | Meenakshipuram.*       |
| 154 | Kilarajakulam.*        |
| 155 | Venkatachalapuram.*    |
| 156 | Rajapalayam.           |
| 157 | Srivilliputtur.        |
| 158 | Karalkulam.            |
| 159 | Sammamdapuram.         |
| 160 | Singamalapuram.        |
| 161 | Athikulam Sengulam.    |
| 162 | Venkateswarapuram.     |
| 163 | Pudukaruvithar.        |

## TIRUNELVELI DISTRICT.

## Kovilpatti taluk.

|     |                    |
|-----|--------------------|
| 164 | Ettayapuram.       |
| 165 | Kovilpatti.        |
| 166 | Pudukkudi.         |
| 167 | Kallampatti.       |
| 168 | Nalattinputtur.    |
| 169 | Kadambur.          |
| 170 | Thirumalapuram.    |
| 171 | Chinnamaniaschi.   |
| 172 | Villiseri.         |
| 173 | Mudukinindampatti. |
| 174 | Idaivasel.         |
| 175 | Chattrapatti.      |
| 176 | Parambukottal.     |
| 177 | Ilayarasanendal.   |
| 178 | Iyaneri.           |
| 179 | Venkatachalapuram. |
| 180 | Devarkulam.        |
| 181 | Sammamdhipudukudy. |
| 182 | Chittrachattam.    |
| 183 | Alampatti.         |
| 184 | Chattrampatti.     |
| 185 | Thonugal.          |
| 186 | New Appaneri.      |
| 187 | Padanthapuli.      |

## Tenkasi taluk.

|     |                |
|-----|----------------|
| 188 | Courtallam.    |
| 189 | Erappanl.      |
| 190 | Panji.         |
| 191 | Kadavam.       |
| 192 | Kilakadayam.   |
| 193 | Kilapuliur.    |
| 194 | Madavaram.     |
| 195 | Madhalampatti. |
| 196 | Mudalarpatti.  |
| 197 | Perambatur.    |

## TIRUNELVELI DISTRICT—cont.

## Tenkasi taluk—cont.

|     |                       |
|-----|-----------------------|
| 198 | Pottalpudur.          |
| 199 | Tenkasi.              |
| 200 | Vallam.               |
| 201 | Melagaram.            |
| 202 | Idaikai.              |
| 203 | Pothukudi.            |
| 204 | Urmelalagian.         |
| 205 | Nainaragaram.         |
| 206 | Kadayanallur.         |
| 207 | Pattukkadaivalai.     |
| 208 | Krishnapuram.         |
| 209 | Mavadaikai.           |
| 210 | Muthukrishnapuram.    |
| 211 | Kumundapuram.         |
| 212 | Adakkarangulam.       |
| 213 | Arumugampatti.        |
| 214 | Chinnapanayankulam.   |
| 215 | Manimthar Dam Colony. |
| 216 | Melapavoor.*          |
| 217 | Kilapavoor.*          |
| 218 | Sundarapandiapuram.*  |
| 219 | Pavoorchattam.*       |
| 220 | Doraiswamyapuram.*    |
| 221 | Thattankulam.*        |
| 222 | Pattakurichi.*        |

## Ambasamudram taluk.

|     |                     |
|-----|---------------------|
| 223 | Ariyanayagipuram.   |
| 224 | Kallidalkurichi.    |
| 225 | Karalkurichi.       |
| 226 | Mukkudal.           |
| 227 | Mundanthorai.       |
| 228 | Papanasam.          |
| 229 | Pattamadai.         |
| 230 | Pirancheri.         |
| 231 | Shermadevi.         |
| 232 | Vaniankulam.        |
| 233 | Veeravanallur.      |
| 234 | Vellodal.           |
| 235 | Vikramasingapuram.  |
| 236 | Alwarkurichi.       |
| 237 | Ambur.              |
| 238 | Athalanallur.       |
| 239 | Brahmesam.          |
| 240 | Girimalapuram.      |
| 241 | Harikesavanallur.   |
| 242 | Kuniyur.*           |
| 243 | Manapanallur.       |
| 244 | Mannarkoil.         |
| 245 | Melacheval.         |
| 246 | Mudappapuram.       |
| 247 | Rathapuram.         |
| 248 | Seenapuram.         |
| 249 | Serankollipatti.    |
| 250 | Vagalkulam.         |
| 251 | Thirupudaimaruthur. |
| 252 | Vellangudi.         |
| 253 | Kodarakulam.        |
| 254 | Urkad.              |
| 255 | Singamperal.        |
| 256 | Gopalasamudram.     |
| 257 | Adalchani.          |
| 258 | Pappankulam.        |
| 259 | Chinnapanayankulam. |
| 260 | Ambasamudram.       |
| 261 | Rengasamudram.      |
| 262 | Sattupatti.*        |
| 263 | Singampatti.*       |
| 264 | Servalkaranpatti.*  |
| 265 | Kakayanallur.*      |

## Tiruvallur taluk.

|     |               |
|-----|---------------|
| 266 | Gangalkondan. |
| 267 | Thalayuthu.   |

## Sankarankoil taluk.

|     |                     |
|-----|---------------------|
| 268 | Sankarankoil.       |
| 269 | Puliyankulam.       |
| 270 | Kalugumalai.        |
| 271 | Chetramkudiyeruppu. |
| 272 | Pulankudi.*         |

\* Electrified during the year.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54—cont.

## MADRAS ELECTRICITY SYSTEM.

| Serial number and name.<br>(1)                                    | Taluk.<br>(2)                                         | Code number.<br>(3) |
|-------------------------------------------------------------------|-------------------------------------------------------|---------------------|
| 1 Madras City including Saidapet, Little Mount and Guindy.        | ....                                                  | ..                  |
| 2 Madras City area comprising the former Sembiam Panchayat Board. | ....                                                  | ..                  |
| 3 Kodambakkam .. .. .                                             | Madras Municipality                                   | ..                  |
| * 4 Sembiam .. .. .                                               | Do.                                                   | ..                  |
| 5 Vyasarpadi .. .. .                                              | Do.                                                   | ..                  |
| † 6 Agaram (General division) .. .. .                             | Thiruvallur                                           | 302                 |
| 7 Agaram (South division) .. .. .                                 | Saidapet                                              | 151                 |
| 8 Agarammel .. .. .                                               | Sriperumbudur                                         | 50                  |
| 9 Alandur .. .. .                                                 | Saidapet                                              | 96                  |
| 10 Ambathur .. .. .                                               | Do.                                                   | 41                  |
| 11 Anakaputhur .. .. .                                            | Do.                                                   | 102                 |
| 12 Ariyamanallur .. .. .                                          | Do.                                                   | 41                  |
| 13 Arumbakkam .. .. .                                             | Thiruvallur                                           | 228                 |
| 14 Ayyappanthangal .. .. .                                        | Sriperumbudur                                         | 55                  |
| 15 Chembrambakkam .. .. .                                         | Do.                                                   | 62                  |
| 16 Chittalapakkam .. .. .                                         | Saidapet                                              | 156                 |
| 17 Damal .. .. .                                                  | Kancheepuram                                          | 27                  |
| † 18 Dawoodkhanpet .. .. .                                        | ....                                                  | ..                  |
| 19 Edapalayam .. .. .                                             | Kancheepuram                                          | 157                 |
| * 20 Ekanampet .. .. .                                            | Ponneri                                               | 245                 |
| 21 Ennore .. .. .                                                 | Sriperumbudur                                         | 180                 |
| 22 Hasanapuram .. .. .                                            | Thiruvallur                                           | 205                 |
| 23 Ikkadu .. .. .                                                 | (Hamlet near Ikkadu)                                  | ..                  |
| 24 Ikkadukandigal .. .. .                                         | Do.                                                   | ..                  |
| 25 Ohlna Ikkadu .. .. .                                           | Do.                                                   | ..                  |
| † 26 Ivaligaram .. .. .                                           | Thiruvallur                                           | 228                 |
| 27 Kadambathur .. .. .                                            | Do.                                                   | 200                 |
| 28 Kalyankuppam .. .. .                                           | Kancheepuram                                          | 92                  |
| † 29 Kaliyanoor .. .. .                                           | (Hamlet near Kaliyanoor)                              | ..                  |
| † 30 Valiyavoor .. .. .                                           | City track No. 15                                     | ..                  |
| 31 Kancheepuram town .. .. .                                      | (Part of Kancheepuram Town)                           | ..                  |
| 32 Baluchetty Chattram .. .. .                                    | Do.                                                   | ..                  |
| † 33 Panjupet .. .. .                                             | Thiruvallur                                           | 60                  |
| 34 Karani .. .. .                                                 | Kancheepuram                                          | 127                 |
| † 35 Kattavakkam .. .. .                                          | Chingleput                                            | 155                 |
| 36 Keerapakkam .. .. .                                            | ....                                                  | ..                  |
| 37 Kesavanallathur .. .. .                                        | Kancheepuram                                          | 55                  |
| 38 Kilambi .. .. .                                                | Saidapet                                              | 41                  |
| * 39 Kodungalyur .. .. .                                          | Kancheepuram                                          | 95                  |
| † 40 Konerikuppam .. .. .                                         | Sriperumbudur                                         | 91                  |
| 41 Kunnathur .. .. .                                              | Hamlet near Kunnathur                                 | ..                  |
| 42 Kollacheri .. .. .                                             | Do.                                                   | ..                  |
| 43 Mananjeri .. .. .                                              | Do.                                                   | ..                  |
| 44 Moonrankattalai .. .. .                                        | Do.                                                   | ..                  |
| 45 Thirunageswaram .. .. .                                        | Do.                                                   | ..                  |
| 46 Venkatapuram .. .. .                                           | Sriperumbudur                                         | 92                  |
| 47 Kilmanambada .. .. .                                           | Do.                                                   | 100                 |
| 48 Madambakkam .. .. .                                            | Do.                                                   | 60                  |
| 49 Malayambakkam .. .. .                                          | Do.                                                   | 60                  |
| 50 Masapakkam .. .. .                                             | Saidapet                                              | 104                 |
| 51 Mounambakkam .. .. .                                           | Chingleput (near Chingleput non-city urban track 28). | ..                  |
| † 52 Molmasapakkam .. .. .                                        | Sriperumbudur                                         | 51                  |
| 53 Meppur .. .. .                                                 | Do.                                                   | ..                  |
| 54 Mugavakkam .. .. .                                             | Do.                                                   | ..                  |

\* Villages electrified during 1953-54.

† Villages already electrified, but not included in the previous list.

## APPENDIX—H-1—cont.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54—cont.

## MADRAS ELECTRICITY SYSTEM—cont.

| Serial number and name.       | Taluk.                                  | Code number. |
|-------------------------------|-----------------------------------------|--------------|
| (1)                           | (2)                                     | (3)          |
| 55 Manganathur .. .. .        | Saidapet .. .. .                        | 105          |
| * 56 Nagalkeni .. .. .        | Saidapet (Hamlet near St. Thomas Mount) | ..           |
| 57 Nazarethpet .. .. .        | Sriperumbudur .. .. .                   | 48           |
| 58 Neduvangari .. .. .        | Saidapet .. .. .                        | ..           |
| 59 Nemili .. .. .             | Chingleput .. .. .                      | 147          |
| 60 Ondikuppam .. .. .         | Thiruvellore .. .. .                    | ..           |
| 61 Othikadu .. .. .           | Do. .. .. .                             | 241          |
| 62 Palayaseevaram .. .. .     | Kancheepuram .. .. .                    | 188          |
| 63 Pallavaram .. .. .         | Saidapet .. .. .                        | 113          |
| 64 Pammal .. .. .             | Do. .. .. .                             | 144          |
| † 65 Pattimalaikuppam .. .. . | Do. .. .. .                             | ..           |
| 66 Periakudal .. .. .         | Do. .. .. .                             | ..           |
| 67 Periakuppam .. .. .        | Do. .. .. .                             | ..           |
| 68 Perumbakkam .. .. .        | Do. .. .. .                             | ..           |
| 69 Perungalathur .. .. .      | Do. .. .. .                             | 141          |
| 70 Poonamallee .. .. .        | Sriperumbudur .. .. .                   | 47           |
| 71 Madavilagam .. .. .        | (Hamlet near Poonamallee)               | ..           |
| 72 Seneerkuppam .. .. .       | Do. .. .. .                             | ..           |
| 73 Poondi .. .. .             | Thiruvellore .. .. .                    | 183          |
| 74 Porur .. .. .              | Saidapet .. .. .                        | 89           |
| 75 Karambakkam .. .. .        | (Hamlet near Porur)                     | ..           |
| 76 Madanandapuram .. .. .     | Do. .. .. .                             | ..           |
| 77 Mangadu .. .. .            | Do. .. .. .                             | ..           |
| 78 Prayanikuppam .. .. .      | Thiruvellore .. .. .                    | 285          |
| 79 Pudumavilangal .. .. .     | Do. .. .. .                             | 303          |
| 80 Pulimbakkam .. .. .        | Kancheepuram .. .. .                    | 115          |
| 81 Palliyankuppam .. .. .     | Thiruvellore .. .. .                    | 234          |
| 82 Pungathur .. .. .          | Do. .. .. .                             | ..           |
| 83 Rajakilpakkam .. .. .      | Saidapet .. .. .                        | 136          |
| * 84 Red Hills .. .. .        | Do. .. .. .                             | 28           |
| 85 Moolakadal .. .. .         | (Hamlet near Red Hills)                 | ..           |
| † 86 Sandu Velli .. .. .      | Kancheepuram .. .. .                    | 82           |
| 87 Selai .. .. .              | Thiruvellore .. .. .                    | 286          |
| 88 Salaiyur .. .. .           | Saidapet .. .. .                        | 133          |
| 89 Santheshapuram .. .. .     | (Hamlet near Salaiyur)                  | ..           |
| 90 Sembakkam .. .. .          | Saidapet .. .. .                        | 135          |
| 91 Settiarpet .. .. .         | Kancheepuram (hamlet of Enadur)         | ..           |
| † 92 Sirukaveripakkam .. .. . | Kancheepuram .. .. .                    | 78           |
| 93 Sridevikuppam .. .. .      | Thiruvellore .. .. .                    | 306          |
| † 94 Srinivasapuram .. .. .   | Do. .. .. .                             | 70           |
| 95 St. Thomas Mount .. .. .   | Saidapet .. .. .                        | 95           |
| 96 Tambaram .. .. .           | Do. .. .. .                             | 131          |
| 97 Chromepet .. .. .          | Do. (near Tambaram)                     | ..           |
| 98 Geolanchavadi .. .. .      | Do. (hamlet of Tambaram)                | ..           |
| 99 Kadapperi .. .. .          | Do. do. .. .. .                         | ..           |
| 100 Mudicheer .. .. .         | Do. do. .. .. .                         | ..           |
| 101 Thandalam .. .. .         | Do. .. .. .                             | 84           |
| 102 Thulukanancheri .. .. .   | Do. .. .. .                             | 107          |
| 103 Thillairagam .. .. .      | Sriperumbudur .. .. .                   | 57           |
| 104 Thirumangalam .. .. .     | Saidapet .. .. .                        | 75           |
| * 105 Thirumuzhi .. .. .      | Sriperumbudur .. .. .                   | 33           |
| * 106 Nedangeri .. .. .       | (Hamlet of Thirumuzhi)                  | ..           |
| * 107 Pirayambattur .. .. .   | Do. .. .. .                             | ..           |
| * 108 Udayavar Keli .. .. .   | Do. .. .. .                             | ..           |

\* Villages electrified during 1953-54.

† Villages already electrified, but not included in the previous list.

## APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government  
Electricity Department as at the end of 1953-54—cont.

## MADRAS ELECTRICITY SYSTEM—cont.

| Serial number and name.          | Taluk.                        | Code number. |
|----------------------------------|-------------------------------|--------------|
| (1)                              | (2)                           | (3)          |
| 109 Thiruneermalai .. .. .       | Saidapet .. .. .              | 120          |
| 110 Thirukalkundram .. .. .      | Chingleput .. .. .            | 180          |
| 111 Thiruvannamaiyur .. .. .     | Saidapet .. .. .              | 110          |
| 112 Thiruppakall .. .. .         | Kancheepuram .. .. .          | 53           |
| 113 Thiruvellore town .. .. .    | (Non-City urban track No. 26) | 226          |
| 114 Thiruvetthiyur .. .. .       | Saidapet .. .. .              | 33           |
| * 115 Ullagaram .. .. .          | Do. .. .. .                   | 108          |
| 116 Valaswaravakkam .. .. .      | Do. .. .. .                   | 90           |
| * 117 Vanagaram .. .. .          | Do. .. .. .                   | 81           |
| 118 Varadarajapuram .. .. .      | Sriperumbudur .. .. .         | 42           |
| 119 Do. (South division) .. .. . | Saidapet .. .. .              | ..           |
| 120 Vengathur .. .. .            | Thiruvellore .. .. .          | 312          |
| * 121 Vengudi .. .. .            | Kancheepuram .. .. .          | 163          |
| † 122 Venkatapuram .. .. .       | Thiruvellore .. .. .          | 107          |
| 123 Venvanambuthur .. .. .       | Do. .. .. .                   | ..           |
| † 124 Villambakkam .. .. .       | Chingleput .. .. .            | 68           |
| 125 Villivakkam .. .. .          | Saidapet .. .. .              | 63           |
| 126 Vinagambakkam .. .. .        | Do. .. .. .                   | 86           |
| † 127 Wallajahbad .. .. .        | Kancheepuram .. .. .          | 166          |
| † 128 Poonivakkam .. .. .        | (Hamlet of Wallajahbad)       | ..           |
| † 129 Vellapakkam .. .. .        | Do. .. .. .                   | ..           |

\* Villages electrified during 1953-54.

† Villages already electrified, but not included in the previous list.

## APPENDIX H-2.

## List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54.

| Serial number and name of licensee.     | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town. | Name of the village.         | Census code number. | Name of the Revenue Administrative village. |
|-----------------------------------------|---------------------------------------|-----------------------|--------------------|-------------------|------------------------------|---------------------|---------------------------------------------|
| (1)                                     | (2)                                   | (3)                   | (4)                | (5)               | (6)                          | (7)                 | (8)                                         |
| Ambur-Vaniyambadi. (To end of 1952-53.) | 1                                     | North Arcot           | Vellore            | Ambur             | Tharveli                     | 95                  | Tharveli.                                   |
|                                         | 2                                     | Do.                   | Do.                | ..                | Gengapuram                   | ..                  | Gengapuram.                                 |
|                                         | 3                                     | Do.                   | Do.                | ..                | Govindapuram                 | ..                  | Govindapuram.                               |
|                                         | 4                                     | Do.                   | Do.                | ..                | Solur                        | 96                  | Solur.                                      |
|                                         | 5                                     | Do.                   | Do.                | ..                | Alanguppam                   | 103                 | Alanguppam.                                 |
|                                         | 6                                     | Do.                   | Do.                | ..                | Devalapuram                  | 151                 | Devalapuram.                                |
|                                         | 7                                     | Do.                   | Do.                | ..                | Thuthipet                    | ..                  | Thuthipet.                                  |
|                                         | 8                                     | Do.                   | Gudiyatham         | ..                | Kandampalli (hamlet)         | ..                  | Do.                                         |
|                                         | 9                                     | Do.                   | Do.                | ..                | Mekandampalli                | ..                  | Do.                                         |
|                                         | 10                                    | Do.                   | Do.                | ..                | Labbamanguppam               | ..                  | Labbamanguppam.                             |
|                                         | 11                                    | Do.                   | Do.                | ..                | Ramachandrapuram (hamlet)    | ..                  | Do.                                         |
|                                         | 12                                    | Do.                   | Do.                | ..                | Banghi Shop (hamlet)         | ..                  | Do.                                         |
|                                         | 13                                    | Do.                   | Do.                | ..                | Venkatasamudram              | 150                 | Venkatasamudram.                            |
|                                         | 14                                    | Do.                   | Do.                | ..                | Chinnavenkatasamudram        | ..                  | Do.                                         |
|                                         | 15                                    | Do.                   | Do.                | ..                | (hamlet).                    | ..                  | Do.                                         |
|                                         | 16                                    | Do.                   | Do.                | ..                | Govindapuram (hamlet)        | ..                  | Do.                                         |
|                                         | 17                                    | Do.                   | Do.                | ..                | Kammakrishnapalli            | 10                  | Kammakrishnapalli.                          |
|                                         | 18                                    | Do.                   | Tirupattur         | Vaniyambadi.      | ..                           | 34                  | Vaniyambadi.                                |
|                                         | 19                                    | Do.                   | Vellore            | ..                | Marapattu or Chengil-kuppam. | ..                  | Kalandra.                                   |
|                                         | 20                                    | Do.                   | Tirupattur         | ..                | Chettiyampapur (hamlet).     | ..                  | Do.                                         |
|                                         | 21                                    | Do.                   | Do.                | ..                | Devasthanam mitta            | 9                   | Devasthanam mitta.                          |
|                                         | 22                                    | Do.                   | Do.                | ..                | Old Vaniyambadi              | 2                   | Old Vaniyambadi.                            |
|                                         | 23                                    | Do.                   | Do.                | ..                | Alinjikulam                  | 4                   | Alinjikulam.                                |
|                                         | 24                                    | Do.                   | Do.                | ..                | Nadupatturai                 | 147                 | Nadupatturai.                               |
|                                         | 25                                    | Do.                   | Gudiyatham         | ..                | Periyavarikkam               | 146                 | Periyavarikkam.                             |
|                                         | 26                                    | Do.                   | Do.                | ..                | Chinnavarikkam               | ..                  | Chinnavarikkam.                             |

(During 1953-54).

|                                                                                                                            |    |                  |             |                            |                  |     |                   |
|----------------------------------------------------------------------------------------------------------------------------|----|------------------|-------------|----------------------------|------------------|-----|-------------------|
| 2 Sri Brahmasvidyam-<br>bal Electric<br>Supply Corpora-<br>tion, Limited,<br>Ramaoandra-<br>puram. (To end<br>of 1952-53.) | 27 | Do.              | Do.         | Mekandampalli<br>(hamlet). | Mittalam         | 145 | Mittalam.         |
|                                                                                                                            | 28 | Do.              | Do.         | ..                         | Tirumayan        | 37  | Tirumayan.        |
|                                                                                                                            | 29 | Tiruchirappalli. | Tirumayan   | ..                         | Ramachandrapuram | 38  | Ramachandrapuram. |
|                                                                                                                            | 30 | Do.              | Do.         | ..                         | Hridayapuram     | 39  | Hridayapuram.     |
|                                                                                                                            | 31 | Do.              | Do.         | ..                         | Kammangudi       | 36  | Kammangudi.       |
|                                                                                                                            | 32 | Do.              | Do.         | ..                         | Rayavaram        | 42  | Rayavaram.        |
|                                                                                                                            | 33 | Do.              | Do.         | ..                         | Arimalam         | 49  | Arimalam.         |
|                                                                                                                            | 34 | Do.              | Do.         | ..                         | Konapet          | 33  | Konapet.          |
|                                                                                                                            | 35 | Do.              | Do.         | ..                         | K. Palivasal     | ..  | Konapet.          |
|                                                                                                                            | 36 | Do.              | Do.         | ..                         | Meyyapuram       | ..  | Pilliamangalam.   |
|                                                                                                                            | 37 | Do.              | Do.         | ..                         | P. Alagapuri     | 34  | Pilliamangalam.   |
|                                                                                                                            | 38 | Do.              | Do.         | ..                         | Nil.             | ..  | ..                |
| (During 1953-54.)                                                                                                          | 39 | Madurai          | Periyakulam | Bodinayakanur.             | ..               | ..  | ..                |
| 3 Bodinayakanur (To<br>end of 1952-53.)                                                                                    | 40 | Coimbatore       | Do.         | Coimbatore                 | Nil.             | ..  | ..                |
| (During 1953-54.)                                                                                                          | 41 | Chingleput       | Chingleput  | Chingleput                 | Nil.             | ..  | ..                |
| 4 Coimbatore (To end<br>of 1952-53.)                                                                                       | 42 | Do.              | Do.         | ..                         | Melamaaiyur      | 259 | Melamaaiyur.      |
| (During 1953-54.)                                                                                                          | 43 | Do.              | Do.         | ..                         | Natham           | 256 | Natham.           |
| 5 Chingleput Electric<br>Supply Company,<br>Limited, Madras.<br>(To end of 1952-<br>53.)                                   | 44 | Do.              | Do.         | ..                         | Gundur           | 258 | Gundur.           |
|                                                                                                                            | 45 | Do.              | Do.         | ..                         | Hannanthaputheri | 274 | Hannanthaputheri. |
|                                                                                                                            | 46 | Do.              | Do.         | ..                         | Tirumani         | 272 | Tirumani.         |
|                                                                                                                            | 47 | Do.              | Do.         | ..                         | Attur            | 74  | Attur.            |
|                                                                                                                            | 48 | Do.              | Do.         | ..                         | Thirumavaram     | 74  | Do.               |
|                                                                                                                            | 49 | Do.              | Do.         | ..                         | Vedapathi        | 74  | Do.               |
|                                                                                                                            | 50 | Do.              | Do.         | ..                         | Atturkuppam      | 74  | Do.               |

**APPENDIX H.2—cont.**  
*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and name of licensee.                                             | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town. | Name of the village.   | Census code number. | Name of the Revenue Administrative village. |
|---------------------------------------------------------------------------------|---------------------------------------|-----------------------|--------------------|-------------------|------------------------|---------------------|---------------------------------------------|
| (1)                                                                             | (2)                                   | (3)                   | (4)                | (5)               | (6)                    | (7)                 | (8)                                         |
| 5 Chingleput Electric Supply Company, Limited, Madras (To end of 1952-53)—cont. | 51                                    | Chingleput            | Chingleput         | Chingleput        | Edayangodu             | 252                 | Edayangodu.                                 |
|                                                                                 | 52                                    | Do.                   | Do.                | Do.               | Villambakkam           | 73                  | Villambakkam.                               |
|                                                                                 | 53                                    | Do.                   | Do.                | Do.               | Vembakkam              | 273                 | Vembakkam.                                  |
| 6 Cannanore-Telli-cherry. (To end of 1952-53.)                                  | 54                                    | North Malabar.        | Chirakkal          | Cannanore         |                        | ..                  | ..                                          |
|                                                                                 | 55                                    | Do.                   | Do.                | Do.               | Pappiniseri            | 219                 | Pappiniseri.                                |
|                                                                                 | 56                                    | Do.                   | Do.                | Do.               | Baliapatam             | 37                  | Baliapatam.                                 |
|                                                                                 | 57                                    | Do.                   | Do.                | Do.               | Chirakkal              | 35                  | Chirakkal.                                  |
|                                                                                 | 58                                    | Do.                   | Do.                | Do.               | Pallikunnu             | 239                 | Pallikunnu.                                 |
|                                                                                 | 59                                    | Do.                   | Do.                | Do.               | Kakkat                 | 73                  | Kakkat.                                     |
|                                                                                 | 60                                    | Do.                   | Do.                | Do.               | Chovva                 | 42                  | Chovva.                                     |
|                                                                                 | 61                                    | Do.                   | Do.                | Do.               | Mundayad               | 45                  | Mundayad.                                   |
|                                                                                 | 62                                    | Do.                   | Do.                | Do.               | Kizhuthally            | 44                  | Kizhuthally.                                |
|                                                                                 | 63                                    | Do.                   | Do.                | Do.               | Thottada               | 62                  | Thottada.                                   |
|                                                                                 | 64                                    | Do.                   | Do.                | Do.               | Kuttikakam             | 61                  | Kuttikakam.                                 |
|                                                                                 | 65                                    | Do.                   | Do.                | Do.               | Etakkat                | 59                  | Etakkat.                                    |
|                                                                                 | 66                                    | Do.                   | Do.                | Do.               | Azhikkal               | 10                  | Azhikkal.                                   |
|                                                                                 | 67                                    | Do.                   | Do.                | Tellicherry       | Dharmadam              | ..                  | Dharmadam.                                  |
|                                                                                 | 68                                    | Do.                   | Do.                | Do.               | Erinjoly               | 13                  | Erinjoly.                                   |
|                                                                                 | 69                                    | Do.                   | Do.                | Do.               | Chalat                 | 238                 | Chalat.                                     |
| (During 1953-54.)                                                               | 70                                    | Do.                   | Chirakkal          | Do.               | Pulady                 | 36                  | Pulady.                                     |
|                                                                                 | 71                                    | Do.                   | Do.                | Do.               | Azhikode               | 4                   | Azhikode.                                   |
|                                                                                 | 72                                    | Do.                   | Do.                | Do.               | Vayalalam              | 29                  | Vayalalam.                                  |
|                                                                                 | 73                                    | Do.                   | Kottayam           | Do.               | Anaikaranchattam       | 8                   | Thirumailadi.                               |
|                                                                                 | 74                                    | Tanjore               | Do.                | Do.               | Achalapuram            | 13                  | Achalapuram.                                |
| 7 East Tanjore. (To end of 1952-53.)                                            | 75                                    | Do.                   | Do.                | Do.               | Saraswathivilagam      | 27                  | Inam Saraswathivilagam.                     |
|                                                                                 | 76                                    | Do.                   | Do.                | Do.               | Vilandidasamudram      | 48                  | Vilandidasamudram.                          |
|                                                                                 | 77                                    | Do.                   | Do.                | Do.               |                        | ..                  | ..                                          |
|                                                                                 | 78                                    | Do.                   | Do.                | Do.               | Thadalancoil           | 59                  | Thadalancoil.                               |
|                                                                                 | 79                                    | Do.                   | Do.                | Do.               | Iveli                  | ..                  | Sirkali town.                               |
|                                                                                 | 80                                    | Do.                   | Do.                | Do.               | Sirkali                | 60                  | Vaitheeswarankoil town.                     |
|                                                                                 | 81                                    | Do.                   | Do.                | Do.               | Vaitheeswarankoil      | 76                  |                                             |
|                                                                                 | 82                                    | Do.                   | Do.                | Do.               | Kathiramangalam        | 89                  | Kathiramangalam.                            |
|                                                                                 | 83                                    | Do.                   | Mayuram            | Do.               | Anathandavapuram       | 23                  | Anathandavapuram.                           |
|                                                                                 | 84                                    | Do.                   | Do.                | Do.               | Nidur                  | 26                  | Nidur.                                      |
|                                                                                 | 85                                    | Do.                   | Thirumananjeri     | Do.               | Thirumananjeri         | 33                  | Thirumananjeri.                             |
|                                                                                 | 86                                    | Do.                   | Mayuram            | Do.               | Kuttalam               | 35                  | Kuttalam town.                              |
|                                                                                 | 87                                    | Do.                   | Do.                | Do.               | Anjaravathalai         | 42                  | Kshetrapalapuram.                           |
|                                                                                 | 88                                    | Do.                   | Do.                | Do.               | Arayapuram             | 43                  | Kadalangudi.                                |
|                                                                                 | 89                                    | Do.                   | Do.                | Do.               | Kadalangudi            | 44                  | Vanadhirajapuram.                           |
|                                                                                 | 90                                    | Do.                   | Do.                | Do.               | Vanadhirajapuram       | 44                  | Pandaravada.                                |
|                                                                                 | 91                                    | Do.                   | Do.                | Do.               | Kappadugai             | 47                  | Mappadugai.                                 |
|                                                                                 | 92                                    | Do.                   | Do.                | Do.               | Mayuram                | 48                  | Mayuram.                                    |
|                                                                                 | 93                                    | Do.                   | Do.                | Do.               | Pallavarayapet         | 49                  | Arumulithevan.                              |
|                                                                                 | 94                                    | Do.                   | Do.                | Do.               | Ambanathapuram         | 51                  | Moovair.                                    |
|                                                                                 | 95                                    | Do.                   | Do.                | Do.               | Moovair                | 53                  | Thiruvilandur.                              |
|                                                                                 | 96                                    | Do.                   | Do.                | Do.               | Thiruvilandur          | 56                  | Sithakkadu.                                 |
|                                                                                 | 97                                    | Do.                   | Do.                | Do.               | Sithakkadu             | 57                  | Molaiyur.                                   |
|                                                                                 | 98                                    | Do.                   | Do.                | Do.               | Molaiyur               | 72                  | Sambanarkoil.                               |
|                                                                                 | 99                                    | Do.                   | Do.                | Do.               | Sholachakranalur       | 73                  | Arupadi.                                    |
|                                                                                 | 100                                   | Do.                   | Do.                | Do.               | Sambanarkoil           | 77                  | Nallathakudi.                               |
|                                                                                 | 101                                   | Do.                   | Do.                | Do.               | Arupadi                | 79                  | Elavai.                                     |
|                                                                                 | 102                                   | Do.                   | Do.                | Do.               | Nallathakudi           | 80                  | Thirukkedaaiyur.                            |
|                                                                                 | 103                                   | Do.                   | Do.                | Do.               | Vadagarai (Arangagudi) | 82                  | Akkur.                                      |
|                                                                                 | 104                                   | Do.                   | Do.                | Do.               | Thirukkedaaiyur        | 85                  | Parasalur.                                  |
|                                                                                 | 105                                   | Do.                   | Do.                | Do.               | Akkur                  | 89                  | Porayar town.                               |
|                                                                                 | 106                                   | Do.                   | Do.                | Do.               | Parasalur              | 94                  | Kalahasthinapuram.                          |
|                                                                                 | 107                                   | Do.                   | Do.                | Do.               | Porayar                | 112                 | Kaliappanallur.                             |
|                                                                                 | 108                                   | Do.                   | Do.                | Do.               | Tranquebar             | 115                 | Arivalur.                                   |
|                                                                                 | 109                                   | Do.                   | Do.                | Do.               | Erukattancheri         | 123                 | Tholudalangudi.                             |
|                                                                                 | 110                                   | Do.                   | Do.                | Do.               | Kalahasthinapuram      | 124                 | Inam Thulaendrapuram.                       |
|                                                                                 | 111                                   | Do.                   | Do.                | Do.               | Kaliappanallur         | 125                 | Perumalkoil and Molaiyur.                   |
|                                                                                 | 112                                   | Do.                   | Do.                | Do.               | Arivalur               | 126                 | Komal (East).                               |
|                                                                                 | 113                                   | Do.                   | Do.                | Do.               | Tholudalangudi         | 131                 | Konerajapuram.                              |
|                                                                                 | 114                                   | Do.                   | Do.                | Do.               | Elanthangudi           | ..                  | ..                                          |
|                                                                                 | 115                                   | Do.                   | Do.                | Do.               | Perumalkoil            | ..                  | ..                                          |
|                                                                                 | 116                                   | Do.                   | Do.                | Do.               | Therizhandur           | ..                  | ..                                          |
|                                                                                 | 117                                   | Do.                   | Do.                | Do.               | Keelaiyur              | ..                  | ..                                          |
|                                                                                 | 118                                   | Do.                   | Do.                | Do.               | Komal                  | ..                  | ..                                          |
|                                                                                 | 119                                   | Do.                   | Do.                | Do.               | Konerajapuram          | ..                  | ..                                          |

## List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.

| Seria number and name of licensee.            | (1) | Serial number of the village or town. | (2) | Name of the district. | (3) | Name of the taluk. | (4) | Name of the town. | (5) | Name of the village. | (6) | Census code number. | (7) | Name of the Revenue Administrative village. | (8) |
|-----------------------------------------------|-----|---------------------------------------|-----|-----------------------|-----|--------------------|-----|-------------------|-----|----------------------|-----|---------------------|-----|---------------------------------------------|-----|
| 7. East Tanjore (To end of 1952-53)—<br>cont. |     | 120                                   |     | Tanjore.              |     | Mayuram            |     |                   |     | Manganallur          |     | 136                 |     | Manganallur.                                |     |
|                                               |     | 121                                   |     | Do.                   |     | Do.                |     |                   |     | Palayur              |     | 147                 |     | Palayur.                                    |     |
|                                               |     | 122                                   |     | Do.                   |     | Do.                |     |                   |     | Kothangudi           |     | 148                 |     | Kothangudi.                                 |     |
|                                               |     | 123                                   |     | Do.                   |     | Tanjore            |     | Vallam            |     | Vallam               |     | 151                 |     | Vallam town.                                |     |
|                                               |     | 124                                   |     | Do.                   |     | Do.                |     |                   |     | Kottiyur             |     | 159                 |     | Kottiyur.                                   |     |
|                                               |     | 125                                   |     | Do.                   |     | Do.                |     |                   |     | Kumaramangalam       |     | 1                   |     | Pillur.                                     |     |
|                                               |     | 126                                   |     | Do.                   |     | Nannilam           |     |                   |     | Keeranur             |     | 2                   |     | Keeranur.                                   |     |
|                                               |     | 127                                   |     | Do.                   |     | Do.                |     |                   |     | Kollumangudi         |     | 9                   |     | Kaduankudi.                                 |     |
|                                               |     | 128                                   |     | Do.                   |     | Do.                |     |                   |     | Kilavayalur          |     | 12                  |     | Vayalur.                                    |     |
|                                               |     | 129                                   |     | Do.                   |     | Do.                |     |                   |     | Vadamattam           |     | 14                  |     | Inam Vadamattam.                            |     |
|                                               |     | 130                                   |     | Do.                   |     | Do.                |     |                   |     | Vadugugudi           |     | 17                  |     | Sarabojarajapuram.                          |     |
|                                               |     | 131                                   |     | Do.                   |     | Do.                |     |                   |     | Kadagambadi          |     | 24                  |     | Peralam.                                    |     |
|                                               |     | 132                                   |     | Do.                   |     | Do.                |     |                   |     | Peralam              |     | 30                  |     | Thiruveelimalalai.                          |     |
|                                               |     | 133                                   |     | Do.                   |     | Do.                |     |                   |     | Thiruveelimalalai    |     | 38                  |     | Vishnupuram.                                |     |
|                                               |     | 134                                   |     | Do.                   |     | Do.                |     |                   |     | Vishnupuram          |     | 40                  |     | Marudavancheri.                             |     |
|                                               |     | 135                                   |     | Do.                   |     | Do.                |     |                   |     | Marudavancheri       |     | 41                  |     | Kuthanur.                                   |     |
|                                               |     | 136                                   |     | Do.                   |     | Do.                |     |                   |     | Poonthottam          |     | 42                  |     | Agarathirumalam.                            |     |
|                                               |     | 137                                   |     | Do.                   |     | Do.                |     |                   |     | Manavalanallur       |     | 50                  |     | Manavalanallur.                             |     |
|                                               |     | 138                                   |     | Do.                   |     | Do.                |     |                   |     | Tediyur              |     | 56                  |     | Koithirumalam.                              |     |
|                                               |     | 139                                   |     | Do.                   |     | Do.                |     |                   |     | Koithirumalam        |     | 63                  |     | Achuthamangalam.                            |     |
|                                               |     | 140                                   |     | Do.                   |     | Do.                |     | Nannilam          |     | Achuthamangalam      |     | 65                  |     | Nannilam Town.                              |     |
|                                               |     | 141                                   |     | Do.                   |     | Do.                |     |                   |     | Mappillaiappam       |     | 66                  |     | Manavalampettai.                            |     |
|                                               |     | 142                                   |     | Do.                   |     | Do.                |     |                   |     | Manavalampettai      |     | 67                  |     | Nallamangudi.                               |     |
|                                               |     | 143                                   |     | Do.                   |     | Do.                |     |                   |     | Sennanallur          |     | 68                  |     | Sennanallur.                                |     |
|                                               |     | 144                                   |     | Do.                   |     | Do.                |     |                   |     | Mudikondan           |     | 69                  |     | Mudikondan.                                 |     |
|                                               |     | 145                                   |     | Do.                   |     | Do.                |     |                   |     | Puthagaram           |     | 70                  |     | Puthagaram.                                 |     |
|                                               |     | 146                                   |     | Do.                   |     | Do.                |     |                   |     | Enangudi             |     | 71                  |     | Enangudi.                                   |     |
|                                               |     | 147                                   |     | Do.                   |     | Do.                |     |                   |     | Thiruppegalur        |     | 72                  |     | Thiruppegalur.                              |     |
|                                               |     | 148                                   |     | Do.                   |     | Do.                |     |                   |     | Adalayur             |     | 89                  |     | Adalayur.                                   |     |
|                                               |     | 149                                   |     | Do.                   |     | Do.                |     |                   |     | Thirukannapuram      |     | 92                  |     | Thirukannapuram.                            |     |
|                                               |     | 150                                   |     | Do.                   |     | Do.                |     |                   |     |                      |     |                     |     |                                             |     |
|                                               |     | 151                                   |     | Do.                   |     | Do.                |     |                   |     |                      |     |                     |     |                                             |     |
|                                               |     | 152                                   |     | Do.                   |     | Do.                |     |                   |     |                      |     |                     |     |                                             |     |

|     |     |     |     |     |     |     |     |     |     |                  |     |                    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|-----|--------------------|
| 153 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirumarugal     | 94  | Thirumarugal.      |
| 154 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Pragaram         | 96  | Kattumavadi.       |
| 155 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Serukalathur     | 100 | Serukalathur.      |
| 156 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Anaikuppam       | 108 | Anaikuppam.        |
| 157 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Marungur         | 115 | Marungur.          |
| 158 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | .....            | ..  | .....              |
| 159 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thittacheri      | 117 | Thittacheri.       |
| 160 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Sengalipuram     | 122 | Sengalipuram.      |
| 161 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kuvalakal        | 129 | Kuvalakal.         |
| 162 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Virkudi          | 131 | Virkudi.           |
| 163 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Vettar           | 142 | Melapalayur.       |
| 164 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Melapalayur      | 148 | Perumpannayur.     |
| 165 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Perumpannayur    | 150 | Semmenkudy.        |
| 166 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Semmenkudy       | 152 | Moolankudy.        |
| 167 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Moolankudy       | 155 | Valkudi.           |
| 168 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Valkudi          | 160 | Elayur.            |
| 169 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Elayur           | 161 | Uthirankudi.       |
| 170 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Uthirankudi      | 166 | Kappanamangalam.   |
| 171 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kappanamangalam  | 167 | Arasavanangadu.    |
| 172 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Arasavanangadu   | 168 | Manakkal.          |
| 173 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Ayyampet         | 174 | Kangalancheri.     |
| 174 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kangalancheri    | 175 | Thirukalamur.      |
| 175 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirukalamur     | 176 | Sellur.            |
| 176 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Sellur           | 182 | Ammayappan.        |
| 177 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Ammayappan       | 183 | Thirukanamangai.   |
| 178 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Karuppur         | 184 | Kattur.            |
| 179 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirukanamangai  | 186 | Vandanpalai.       |
| 180 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kattur           | 188 | Elavangarakudi.    |
| 181 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Vandanpalai      | 195 | Perumalageram.     |
| 182 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Pavithramanickam | 199 | Kalathur.          |
| 183 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Perumalageram    | 200 | Thiruvivasal.      |
| 184 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Koradacheri      | 206 | Kulikarai.         |
| 185 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Athikadai        | 207 | Inampiliyur.       |
| 186 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kulikarai        | 208 | Devarkandanallur.  |
| 187 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Perunthuraikudi  | 211 | Kannapuram.        |
| 188 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Inampiliyur      | 116 | Eravancheri.       |
| 189 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Devarkandanallur | 7   | Nidamangalam Town. |
| 190 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kannapuram       |     |                    |
| 191 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Eravancheri      |     |                    |
| 192 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Nidamangalam     |     |                    |
|     |     |     |     |     |     |     |     |     |     | Town.            |     |                    |

## APPENDIX H-2—cont.

*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and name of licensee.               | (1) | Serial number of the village or town. | (2)      | Name of the district. | (3)      | Name of the taluk. | (4) | Name of the town. | (5) | Name of the village. | (6) | Census code number. | (7)                    | Name of the Revenue Administrative village. | (8) |
|---------------------------------------------------|-----|---------------------------------------|----------|-----------------------|----------|--------------------|-----|-------------------|-----|----------------------|-----|---------------------|------------------------|---------------------------------------------|-----|
| 7 East Tanjore. (To end of 1952-53)— <i>cont.</i> |     | 193                                   | Tanjore. | Do.                   | Tanjore. | Mannargudi ..      | Do. | Nidamangalam.     | Do. | Poovanur ..          | Do. | 17                  | Poovanur.              | Do.                                         |     |
|                                                   |     | 194                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Rajapayyanchevadi    | Do. | 24                  | Perambur.              | Do.                                         |     |
|                                                   |     | 195                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Perambur ..          | Do. | 29                  | Melavasal.             | Do.                                         |     |
|                                                   |     | 196                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Melavasal ..         | Do. | 44                  | Pothakkudi.            | Do.                                         |     |
|                                                   |     | 197                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Pothakkudi ..        | Do. | 46                  | Velukudi.              | Do.                                         |     |
|                                                   |     | 198                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Boothamangalam       | Do. | 47                  | Bharathi Panchayat.    | Do.                                         |     |
|                                                   |     | 199                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Velukudi ..          | Do. | 50                  | Kuthanallur Town.      | Do.                                         |     |
|                                                   |     | 200                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Moolangudi ..        | Do. | 53                  | Vadapathimangalam.     | Do.                                         |     |
|                                                   |     | 201                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Kuthanallur Town.    | Do. | 55                  | Karnavur.              | Do.                                         |     |
|                                                   |     | 202                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Lakshmanangudi       | Do. | 64                  | Mannargudi Town.       | Do.                                         |     |
|                                                   |     | 203                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Vadapathimangalam    | Do. | 76                  | Chitrayur.             | Do.                                         |     |
|                                                   |     | 204                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Karnavur ..          | Do. | 86                  | Athikottai.            | Do.                                         |     |
|                                                   |     | 205                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Alacheri ..          | Do. | 113                 | Sundarakottai.         | Do.                                         |     |
|                                                   |     | 206                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Mannargudi Town.     | Do. | 127                 | Ullikottai.            | Do.                                         |     |
|                                                   |     | 207                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Pamini ..            | Do. | 131                 | Paravakottai.          | Do.                                         |     |
|                                                   |     | 208                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Malgaimedu           | Do. | 84                  | Srivanchiyam.          | Do.                                         |     |
|                                                   |     | 209                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Chitrayur ..         | Do. | 87                  | Thirukandeeswaram.     | Do.                                         |     |
|                                                   |     | 210                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Athikottai ..        | Do. | 162                 | Sithamali.             | Do.                                         |     |
|                                                   |     | 211                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Sundarakottai        | Do. | 165                 | Kummatthidal.          | Do.                                         |     |
|                                                   |     | 212                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Ullikottai ..        | Do. | 31                  | Tiruvarur South sethi. | Do.                                         |     |
|                                                   |     | 213                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Paravakottai         | Do. | 30                  | Vijayapuram.           | Do.                                         |     |
|                                                   |     | 214                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Srivanchiam          | Do. | 32                  | Sundaravilagam.        | Do.                                         |     |
|                                                   |     | 215                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Thirukandeeswaram    | Do. | 34                  | Ramagaye.              | Do.                                         |     |
|                                                   |     | 216                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Sithamali ..         | Do. | 35                  | Palavanakkudi.         | Do.                                         |     |
|                                                   |     | 217                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Kummatthidal         | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 218                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Thiruvarur ..        | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 219                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Kodikalalayam        | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 220                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Vijayapuram          | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 221                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Sundaravilagam       | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 222                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Kakkurai ..          | Do. |                     |                        | Do.                                         |     |
|                                                   |     | 223                                   | Do.      | Do.                   | Do.      | Do.                | Do. | Do.               | Do. | Marudampatnam        | Do. |                     |                        | Do.                                         |     |

|     |     |     |     |     |     |     |     |     |     |                     |     |     |                   |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-------------------|-----|--|
| 224 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do.                 | Do. | 61  | Pulivalam.        | Do. |  |
| 225 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Alivalam ..         | Do. | 62  | Alivalam.         | Do. |  |
| 226 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Anaivadapathi       | Do. | 86  | Andanapettai.     | Do. |  |
| 227 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kudur ..            | Do. | 93  | Kudur.            | Do. |  |
| 228 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Olani ..            | Do. | 94  | Thoppalampuliyur. | Do. |  |
| 229 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thoppalampuliyur    | Do. | 104 | Mangudi.          | Do. |  |
| 230 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Mangudi ..          | Do. | 116 | Alangudi.         | Do. |  |
| 231 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thennavaryananallur | Do. | 142 | Kunniyur.         | Do. |  |
| 232 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Alangudi ..         | Do. | 144 | Koilkannapur.     | Do. |  |
| 233 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kunniyur ..         | Do. | 159 | Pinnavasal.       | Do. |  |
| 234 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Mavoor ..           | Do. | 160 | Thirukkaravasal.  | Do. |  |
| 235 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Koilkannapur        | Do. | 161 | Adamangalam.      | Do. |  |
| 236 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Pinnavasal ..       | Do. | 172 | Pudur.            | Do. |  |
| 237 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirukkaravasal     | Do. | 173 | Valivalam.        | Do. |  |
| 238 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Adamangalam         | Do. | 174 | Thirukkuvalai.    | Do. |  |
| 239 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Pudur ..            | Do. | 182 | Ettugudi.         | Do. |  |
| 240 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirunelikkaval     | Do. | 32  | Kovilur.          | Do. |  |
| 241 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Valivalam ..        | Do. | 49  | Vadaseri.         | Do. |  |
| 242 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kodiyalathur        | Do. | 58  | Avikottai.        | Do. |  |
| 243 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirukkuvalai       | Do. | 68  | Kilakurichi.      | Do. |  |
| 244 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Ettugudi ..         | Do. | 114 | Madukkur North.   | Do. |  |
| 245 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kovilur ..          | Do. | 115 | Madukkur South.   | Do. |  |
| 246 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Vadaseri ..         | Do. | 143 | Natuchalai.       | Do. |  |
| 247 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Avikottai ..        | Do. | 167 | Anaikkadu.        | Do. |  |
| 248 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kilakurichi ..      | Do. | 187 | Thuvankurichi.    | Do. |  |
| 249 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Old Madukkur        | Do. | 188 | Thuvankurichi.    | Do. |  |
| 250 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Madukkur ..         | Do. |     |                   | Do. |  |
| 251 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Natuchalai ..       | Do. |     |                   | Do. |  |
| 252 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Patukkottai ..      | Do. |     |                   | Do. |  |
| 253 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Adirampatti-nam.    | Do. |     |                   | Do. |  |
| 254 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Adirampatti-nam.    | Do. |     |                   | Do. |  |
| 255 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Adirampatti-nam.    | Do. |     |                   | Do. |  |
| 256 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thiruthangoor       | Do. | 2   | Thiruthangoor.    | Do. |  |
| 257 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Thirunelikkaval     | Do. | 4   | Kolapadu.         | Do. |  |
| 258 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kolapadu ..         | Do. | 11  | Kachanam.         | Do. |  |
| 259 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Apparakkudi         | Do. | 16  | Alathambadi.      | Do. |  |
| 260 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Alathambadi         | Do. | 17  | Kothangudi.       | Do. |  |
| 261 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kothangudi          | Do. | 20  | Palayangudi.      | Do. |  |
| 262 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Palayangudi         | Do. | 23  | Manali.           | Do. |  |
| 263 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Manali ..           | Do. | 34  | Manakkudi.        | Do. |  |
| 264 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Kurumbal ..         | Do. |     |                   | Do. |  |
| 265 | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Do. | Manakkudi ..        | Do. |     |                   | Do. |  |

**APPENDIX H.2—cont.**  
*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and name of licensee        | Name of the district | Name of the taluk | Name of the town  | Name of the village   | Census code number | Name of the Revenue Administrative village |
|-------------------------------------------|----------------------|-------------------|-------------------|-----------------------|--------------------|--------------------------------------------|
| (1)                                       | (2)                  | (3)               | (4)               | (5)                   | (6)                | (7)                                        |
| I East Tanjore. (To end of 1952-53)—cont. | Tanjore              | Tiruthurai-pundi. | Adirampatti-nam.  | Thalanayar            | 40                 | Thalanayar.                                |
| 266                                       | Do.                  | Do.               | Tiruthurai-pundi. | Velur                 | 43                 | Velur.                                     |
| 267                                       | Do.                  | Do.               | Do.               | Do.                   | ..                 | ..                                         |
| 268                                       | Do.                  | Do.               | Do.               | Do.                   | ..                 | ..                                         |
| 269                                       | Do.                  | Do.               | Do.               | Pamini                | 50                 | Pamini.                                    |
| 270                                       | Do.                  | Do.               | Do.               | Nedumbalam            | 56                 | Nedumbalam.                                |
| 271                                       | Do.                  | Do.               | Do.               | Kattimodu             | 57                 | Kattimodu.                                 |
| 272                                       | Do.                  | Do.               | Do.               | Segal                 | 58                 | Segal.                                     |
| 273                                       | Do.                  | Do.               | Do.               | Ariyalur              | 61                 | Ariyalur.                                  |
| 274                                       | Do.                  | Do.               | Do.               | Adirangam             | 63                 | Adirangam.                                 |
| 275                                       | Do.                  | Do.               | Do.               | Pandi                 | 66                 | Pandi.                                     |
| 276                                       | Do.                  | Do.               | Do.               | Sanghandi             | 79                 | Sanghandi.                                 |
| 277                                       | Do.                  | Do.               | Do.               | Edaiyur               | 80                 | Edaiyur.                                   |
| 278                                       | Do.                  | Do.               | Do.               | Serupunaiyur          | 85                 | Pinnathur.                                 |
| 279                                       | Do.                  | Do.               | Do.               | Kunnalur              | 87                 | Kunnalur.                                  |
| 280                                       | Do.                  | Do.               | Do.               | Udhayamarthandapuram. | 89                 | Udhayamarthandapuram.                      |
| 281                                       | Do.                  | Do.               | Do.               | Nulliar Works         | 95                 | Thagatoor.                                 |
| 282                                       | Do.                  | Do.               | Do.               | Vadagadu              | 99                 | Vadagadu.                                  |
| 283                                       | Do.                  | Do.               | Do.               | Alengadu              | 103                | Alengadu.                                  |
| 284                                       | Do.                  | Do.               | Do.               | Muthupet              | ..                 | ..                                         |
| 285                                       | Do.                  | Do.               | Do.               | Vedaranyam            | ..                 | ..                                         |
| 286                                       | Do.                  | Do.               | Do.               | Thopputhurai.         | ..                 | ..                                         |
| 287                                       | Do.                  | Do.               | Do.               | Do.                   | ..                 | ..                                         |
| 288                                       | Do.                  | Do.               | Do.               | Jambavanodai          | 115                | Jambavanodai.                              |
| 289                                       | Do.                  | Do.               | Do.               | Thillaiyilagam        | 117                | Thillaiyilagam.                            |
| 290                                       | Do.                  | Do.               | Do.               | Voymodu               | 121                | Voymodu.                                   |
| 291                                       | Do.                  | Do.               | Do.               | Karupambulam          | 125                | Karupambulam.                              |
| 292                                       | Do.                  | Do.               | Do.               | Arantangi             | 35                 | Arantangi.                                 |
| 293                                       | Do.                  | Do.               | Do.               | Thulasendrapuram      | 9                  | Inam Thulasendrapuram.                     |
| 294                                       | Do.                  | Do.               | Do.               | Arasur                | 36                 | Arasur.                                    |
| 295                                       | Do.                  | Do.               | Do.               | Poongalur             | 67                 | Poongalur.                                 |
| 296                                       | Do.                  | Do.               | Do.               | Andagudi              | 80                 | Maharajapuram.                             |
| 297                                       | Do.                  | Do.               | Do.               | Kilianur              | 109                | Kilianur.                                  |
| 298                                       | Do.                  | Do.               | Do.               | Neikuppai             | 135                | Pandaravadai.                              |
| 299                                       | Do.                  | Do.               | Do.               | Vilakam               | 16                 | Vilakam.                                   |

During the year 1953-54.

|     |     |     |     |                       |     |                      |
|-----|-----|-----|-----|-----------------------|-----|----------------------|
| 300 | Do. | Do. | Do. | Thiruchentattangudi   | 93  | Thiruchentattangudi. |
| 301 | Do. | Do. | Do. | Erunkatur             | 210 | Erunkatur.           |
| 302 | Do. | Do. | Do. | Moongilthottam        | 48  | Mayuram Town.        |
| 303 | Do. | Do. | Do. | Pandikottagam         | 66  | Pandi.               |
| 304 | Do. | Do. | Do. | Singampuneri          | ..  | ..                   |
| 305 | Do. | Do. | Do. | Deva-sathanam.        | 48  | ..                   |
| 306 | Do. | Do. | Do. | Singampuneri Anjukoil | 49  | ..                   |
| 307 | Do. | Do. | Do. | Sathurvedhamangalam   | 44  | Sathurvedhamangalam. |
| 308 | Do. | Do. | Do. | Kalappurj             | 45  | Kalappur (A).        |
| 309 | Do. | Do. | Do. | Alangudi              | 134 | Alangudi.            |
| 310 | Do. | Do. | Do. | Sevarakottai          | 158 | Sevarakottai.        |
| 311 | Do. | Do. | Do. | Sembanoor             | 164 | Sembanoor.           |
| 312 | Do. | Do. | Do. | Kallal                | 163 | Kallal.              |
| 313 | Do. | Do. | Do. | Aramanai Siruvoyal    | 171 | Siruvoyal (A).       |
| 314 | Do. | Do. | Do. | Keeladi               | 221 | Keeladi.             |
| 315 | Do. | Do. | Do. | Manalur               | 223 | Manalur.             |
| 316 | Do. | Do. | Do. | Tiruppuvanam          | 405 | Tiruppuvanam Town.   |
| 317 | Do. | Do. | Do. | Palayur               | ..  | ..                   |
| 318 | Do. | Do. | Do. | Manamadura            | ..  | ..                   |
| 319 | Do. | Do. | Do. | Dayapuram             | 915 | Do.                  |
| 320 | Do. | Do. | Do. | T. Pudukkottai        | 973 | Manamadura.          |
| 321 | Do. | Do. | Do. | Muttakuruchi          | 2   | T. Pudukkottai.      |
| 322 | Do. | Do. | Do. | Kurichi               | 9   | Do.                  |
| 323 | Do. | Do. | Do. | Kachathanallur        | ..  | Kurichi.             |
| 324 | Do. | Do. | Do. | Ilayangudi            | ..  | Kachathanallur.      |
| 325 | Do. | Do. | Do. | Muthuvallasai         | ..  | ..                   |
| 326 | Do. | Do. | Do. | Do.                   | ..  | ..                   |
| 327 | Do. | Do. | Do. | Pudur                 | 31  | Poochiyendal.        |
| 328 | Do. | Do. | Do. | Nainarkoil            | 88  | Nainarkoil.          |
| 329 | Do. | Do. | Do. | Keelakottai           | 116 | Keelakottai.         |
| 330 | Do. | Do. | Do. | Chatrakudi            | 125 | Bogalur.             |
| 331 | Do. | Do. | Do. | Nemmani               | 142 | Nemmani.             |
| 332 | Do. | Do. | Do. | Ariyanendal           | 143 | Ariyanendal.         |
| 333 | Do. | Do. | Do. | Urapuli               | 144 | Urapuli.             |
| 334 | Do. | Do. | Do. | Ayakudi               | 146 | Keelakudi.           |
| 335 | Do. | Do. | Do. | Emaneewaram           | 162 | { Ayakudi West       |
| 336 | Do. | Do. | Do. | Paramakudi            | ..  | ..                   |
| 337 | Do. | Do. | Do. | Thelichathanallur     | 166 | Thelichathanallur.   |
| 338 | Do. | Do. | Do. | Athikarai             | ..  | ..                   |
| 339 | Do. | Do. | Do. | Nellikurichi          | 27  | Nellikurichi.        |
| 340 | Do. | Do. | Do. | Pudupatti             | ..  | ..                   |

8 East Ramanatha-puram (To end of 1953-54).

APPENDIX H-2—cont.  
List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.

| Serial number and name of the licensee.         | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town. | Name of the village. | Census code number. | Name of the Revenue Administrative village. |
|-------------------------------------------------|---------------------------------------|-----------------------|--------------------|-------------------|----------------------|---------------------|---------------------------------------------|
| (1)                                             | (2)                                   | (3)                   | (4)                | (5)               | (6)                  | (7)                 | (8)                                         |
| 8 East Ramanathapuram (To end of 1952-53)—cont. | 337                                   | Ramanathapuram        | Muduklathur.       | ..                | Natham               | 111                 | Natham.                                     |
|                                                 | 338                                   | Do.                   | Do.                | Abiraman          | Sadayanandal         | 157                 | Sadayanandal.                               |
|                                                 | 339                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |
|                                                 | 340                                   | Do.                   | Do.                | Kamuthi           | ..                   | ..                  | ..                                          |
|                                                 | 341                                   | Do.                   | Do.                | Ramanathapuram.   | ..                   | ..                  | ..                                          |
|                                                 | 342                                   | Do.                   | Do.                | ..                | Sakkarakottai        | 106                 | Sakkarakottai.                              |
|                                                 | 343                                   | Do.                   | Do.                | ..                | Uchipuli             | 160                 | Irumeni.                                    |
|                                                 | 344                                   | Do.                   | Do.                | ..                | Thuruppullani        | 186                 | Thuruppullani.                              |
|                                                 | 345                                   | Do.                   | Do.                | ..                | Narakkayarpatnam     | 196                 | Narakkayarpatnam.                           |
|                                                 | 346                                   | Do.                   | Do.                | ..                | Mandapan             | 197                 | Mandapan.                                   |
|                                                 | 347                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |
|                                                 | 348                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |
|                                                 | 349                                   | Do.                   | Do.                | Kilakarai         | Mandapan Camp        | ..                  | Do.                                         |
|                                                 | 350                                   | Do.                   | Do.                | Thattanthope      | ..                   | ..                  | ..                                          |
|                                                 | 351                                   | Do.                   | Do.                | ..                | Valantheravai        | 121                 | Valantheravai.                              |
|                                                 | 352                                   | Malabar               | ..                 | ..                | ..                   | ..                  | ..                                          |
| 9 Kozhikode (To end of 1952-53.)                | 353                                   | Do.                   | Kozhikode          | Kozhikode         | ..                   | 24/2 I.             | Thiruvaduthurai.                            |
|                                                 | 354                                   | Do.                   | Do.                | Feroke            | ..                   | 24/A. IV.           | Thiruvaiyaru.                               |
|                                                 | 355                                   | Do.                   | Do.                | Beypore           | ..                   | 24/144              | Kalyanapuram I Sethi.                       |
|                                                 | 356                                   | Do.                   | Do.                | Cheruvamnore      | ..                   | ..                  | Thillaiasthanam.                            |
|                                                 | 357                                   | Do.                   | Do.                | Nallalam          | ..                   | 24/145              | ..                                          |
|                                                 | 358                                   | Do.                   | Do.                | Nellikode         | ..                   | 24/127              | ..                                          |
|                                                 | 359                                   | Do.                   | Do.                | Marikkunnu        | ..                   | 24/128              | ..                                          |
|                                                 | 360                                   | Do.                   | Do.                | Paroppedi         | ..                   | ..                  | ..                                          |
|                                                 | 361                                   | Tanjore               | ..                 | ..                | ..                   | 24/124              | Thiruvaduthurai.                            |
| (During the year 1953-54.)                      | 362                                   | Do.                   | Mayuram            | Thiruvaduthurai   | ..                   | 41                  | Thiruvaiyaru.                               |
| 10 Kumbakonam (To end of 1952-53.)              | 363                                   | Do.                   | Tanjore            | Thiruvaiyaru      | ..                   | 44                  | Kalyanapuram I Sethi.                       |
|                                                 | 364                                   | Do.                   | Do.                | ..                | Thillaiasthanam      | 71                  | Thillaiasthanam.                            |
|                                                 | 365                                   | Do.                   | Do.                | ..                | Royampet             | 43                  | Royampet.                                   |
|                                                 | 366                                   | Do.                   | Do.                | ..                | Thirupayanam         | 48                  | Thirupayanam.                               |
|                                                 | 367                                   | Do.                   | Do.                | ..                | ..                   | 47                  | ..                                          |

|                     |     |     |           |             |                     |     |                       |
|---------------------|-----|-----|-----------|-------------|---------------------|-----|-----------------------|
| (To end of 1952-53) | 367 | Do. | Papanasam | ..          | Kandiyur            | 116 | Kandiyur.             |
|                     | 368 | Do. | Do.       | ..          | Karuppur            | 28  | Karuppur.             |
|                     | 369 | Do. | Do.       | ..          | Mathoor             | 176 | Mathoor.              |
|                     | 370 | Do. | Do.       | ..          | Valanginan          | 88  | Valanginan.           |
|                     | 371 | Do. | Do.       | ..          | Chandrasekarapuram  | 69  | Chandrasekarapuram.   |
|                     | 372 | Do. | Do.       | ..          | Govindakudy         | 57  | Govindakudy.          |
|                     | 373 | Do. | Do.       | ..          | Avoor               | 68  | Avoor.                |
|                     | 374 | Do. | Do.       | ..          | Papanasam           | 33  | Papanasam.            |
|                     | 375 | Do. | Do.       | ..          | Rajagiri            | 41  | Rajagiri.             |
|                     | 376 | Do. | Do.       | ..          | Pandaravadai        | 32  | Pandaravadai.         |
|                     | 377 | Do. | Do.       | ..          | Metayanthidal       | 53  | Thiruvayathukundi.    |
|                     | 378 | Do. | Do.       | ..          | Ayyampet            | 29  | Ayyampet.             |
|                     | 379 | Do. | Do.       | ..          | Cherapalli          | 39  | Cherapalli.           |
|                     | 380 | Do. | Do.       | ..          | Valuthoor           | 40  | Valuthoor.            |
|                     | 381 | Do. | Do.       | ..          | Pasupathikoil       | 38  | Pasupathikoil.        |
|                     | 382 | Do. | Do.       | ..          | Thirukkarugavoor    | 76  | Thirukkarugavoor.     |
|                     | 383 | Do. | Do.       | ..          | Milatoor            | 73  | No. 1 Sethi Milatoor. |
|                     | 384 | Do. | Do.       | ..          | Sallamangalam       | 150 | Sallamangalam.        |
|                     | 385 | Do. | Do.       | ..          | Kalanjeri           | 133 | Kalanjeri.            |
|                     | 386 | Do. | Do.       | ..          | Santrampet          | 76  | Thirukkarugavoor.     |
|                     | 387 | Do. | Do.       | ..          | Ombathuvelli        | 75  | Ombathuvelli.         |
|                     | 388 | Do. | Do.       | ..          | Annampet            | 153 | Naduvasal.            |
|                     | 389 | Do. | Do.       | ..          | Ukkadai             | 155 | Ukkadai.              |
|                     | 390 | Do. | Do.       | ..          | Mariamankoil        | 130 | Mariamankoil.         |
|                     | 391 | Do. | Do.       | ..          | Poonndi             | 149 | Poonndi.              |
|                     | 392 | Do. | Do.       | ..          | Irumbuthalai        | 123 | Milatoor 5th Sethi.   |
|                     | 393 | Do. | Do.       | ..          | Ganapathy Agraharam | 20  | Ganapathy Agraharam.  |
|                     | 394 | Do. | Do.       | ..          | Thirupavanam        | 168 | Thirupavanam.         |
|                     | 395 | Do. | Do.       | ..          | Devangudy           | 1   | Devangudy.            |
|                     | 396 | Do. | Do.       | ..          | Veeramangudy        | 1   | Veeramangudy.         |
|                     | 397 | Do. | Do.       | ..          | Someswarapuram      | 10  | Someswarapuram.       |
|                     | 398 | Do. | Do.       | ..          | Eachangudy          | 18  | Eachangudy.           |
|                     | 399 | Do. | Do.       | ..          | ..                  | ..  | ..                    |
|                     | 400 | Do. | Do.       | Kumbakonam. | Sunderaperumalkoil  | 161 | Sunderaperumalkoil.   |
|                     | 401 | Do. | Do.       | ..          | Darasuram           | 138 | Darasuram.            |
|                     | 402 | Do. | Do.       | ..          | Sakkottai           | 147 | Sakkottai.            |
|                     | 403 | Do. | Do.       | ..          | Kottaiyur           | 136 | Kottaiyur.            |
|                     | 404 | Do. | Do.       | ..          | Swaminalai          | 134 | Swaminalai.           |
|                     | 405 | Do. | Do.       | ..          | Sholapuram          | 49  | Sholapuram.           |
|                     | 406 | Do. | Do.       | ..          | Tirupanandal        | 21  | Tirupanandal.         |
|                     | 407 | Do. | Do.       | ..          | Aduthurai           | 82  | Aduthurai.            |
|                     | 408 | Do. | Do.       | ..          | Narasingampet       | 85  | Narasingampet.        |
|                     | 409 | Do. | Do.       | ..          | Sathanoor           | 87  | Sathanoor.            |
|                     | 410 | Do. | Do.       | ..          | Thiruvadamarudur    | 76  | Thiruvadamarudur.     |
|                     | 411 | Do. | Do.       | ..          | Tirubuvanam         | 80  | Tirubuvanam.          |

## APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.

| Serial number and name of licensee.      | (1) | (2) | Name of the district. | (3) | Name of the taluk. | (4) | Name of the town. | (5) | Name of the village.   | (6) | Census code number. | Name of the Revenue Administrative village. |
|------------------------------------------|-----|-----|-----------------------|-----|--------------------|-----|-------------------|-----|------------------------|-----|---------------------|---------------------------------------------|
| 10 Kumbakonam (To end of 1952-53)—cont.  |     |     | Tanjor.               | Do. | Kumbakonam.        | Do. | Kumbakonam.       | Do. | Veppathoor.            | Do. | 64                  | Veppathoor.                                 |
|                                          |     | 412 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thiruvizhaloor.        | Do. | 74                  | Thiruvizhaloor.                             |
|                                          |     | 413 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Ammachatram.           | Do. | 95                  | Ammachatram.                                |
|                                          |     | 414 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Teppurmanalloor.       | Do. | 96                  | Teppurmanalloor.                            |
|                                          |     | 415 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Tirunageswaram.        | Do. | 97                  | Anakudi Tirunageswaram.                     |
|                                          |     | 416 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Nachirakol.            | Do. | 175                 | Nachirakol.                                 |
|                                          |     | 417 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Injikollai.            | Do. | 186                 | Injikollai.                                 |
|                                          |     | 418 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Ennanallur.            | Do. | 185                 | Ennanallur.                                 |
|                                          |     | 419 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thirucherasi.          | Do. | 185                 | Thirucherasi.                               |
|                                          |     | 420 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thippirajapuram.       | Do. | 172                 | Thippirajapuram.                            |
|                                          |     | 421 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Marudanallur.          | Do. | 148                 | Marudanallur.                               |
|                                          |     | 422 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thiruvazhazhuli.       | Do. | 141                 | Thiruvazhazhuli.                            |
|                                          |     | 423 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Kudikadu.              | Do. | 167                 | Nalla Vanniankudikadu.                      |
| (During the year 1953-54.)               |     | 424 | Do.                   | Do. | Papanasam.         | Do. | Do.               | Do. | Thirupanthurithi West. | Do. | 67                  | Thirupanthurithi West.                      |
|                                          |     | 425 | Do.                   | Do. | Tanjore.           | Do. | Do.               | Do. | Thirupanthurithi East. | Do. | 68                  | Thirupanthurithi East.                      |
|                                          |     | 426 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Nadukaveri.            | Do. | 40                  | Nadukaveri.                                 |
|                                          |     | 427 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thiruvalampozhi.       | Do. | 42                  | Thiruvalampozhi.                            |
|                                          |     | 428 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Innanbur.              | Do. | 104                 | Innanbur.                                   |
|                                          |     | 429 | Do.                   | Do. | Kumbakonam.        | Do. | Do.               | Do. | Thirumangalakudi.      | Do. | 68                  | Thirumangalakudi.                           |
|                                          |     | 430 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Thirupirambiam.        | Do. | 88                  | Thirupirambiam.                             |
|                                          |     | 431 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | ....                | Do.                                         |
| 11 Kanara Ceramics. (To end of 1952-53.) |     | 432 | South Kanara.         | Do. | Kasaragod.         | Do. | Kasaragod.        | Do. | Adakathbail.           | Do. | 57                  | Adakathbail.                                |
|                                          |     | 433 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Talanga.               | Do. | 60                  | Talanga.                                    |
|                                          |     | 434 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Kudlu.                 | Do. | 48                  | Kudlu.                                      |
| (During the year 1953-54.)               |     | 435 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | ....                | Do.                                         |
| 12 Karur ..                              |     | 436 | Tiruchirappalli.      | Do. | Karur.             | Do. | Karur.            | Do. | Do.                    | Do. | ....                | Do.                                         |
| 13 Mangalore ..                          |     | 437 | South Kanara.         | Do. | Mangalore.         | Do. | Mangalore Town.   | Do. | Do.                    | Do. | ....                | Do.                                         |
| 14 Pollachi ..                           |     | 438 | Chembatere.           | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | ....                | Do.                                         |
|                                          |     | 439 | Malabar.              | Do. | Palghat.           | Do. | Palghat.          | Do. | Do.                    | Do. | ....                | Do.                                         |
|                                          |     | 440 | Salem.                | Do. | Salem.             | Do. | Salem.            | Do. | Do.                    | Do. | 66                  | Suramangalam.                               |
|                                          |     | 441 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Kannankurichi.         | Do. | 15                  | Kannankurichi.                              |
|                                          |     | 442 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Chinnathirupathy.      | Do. | 17                  | Komarasampatti.                             |
|                                          |     | 443 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Periagollapathy.       | Do. | 5                   | Mitta Iyemperumalpaty.                      |
|                                          |     | 444 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Meyyanur.              | Do. | 1                   | Alagapuram.                                 |
|                                          |     | 445 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Seelanaiakanpaty.      | Do. | 9                   | Dadagapatty.                                |
|                                          |     | 446 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Alagapuram.            | Do. | 1                   | Alagapuram.                                 |
|                                          |     | 447 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Jagir Ammapalayam.     | Do. | 25                  | Reddipatti.                                 |
|                                          |     | 448 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Tiruchengode.          | Do. | Do.                 | Do.                                         |
|                                          |     | 449 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Idappady.              | Do. | Do.                 | Idappady.                                   |
|                                          |     | 450 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Sankaridrug.           | Do. | Do.                 | Sankaridrug.                                |
|                                          |     | 451 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Palipalayam.           | Do. | Do.                 | Palipalayam.                                |
|                                          |     | 452 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Erode.                 | Do. | Do.                 | Erode.                                      |
|                                          |     | 453 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | Do.                 | Do.                                         |
| (During the year 1953-54.)               |     | 454 | Nil.                  | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | Do.                 | Do.                                         |
| 17 Tiruchirappalli. (To end of 1952-53.) |     | 455 | Tiruchirappalli.      | Do. | Musiri.            | Do. | Do.               | Do. | Perumalpalayam.        | Do. | 23                  | Perumalpalayam.                             |
|                                          |     | 456 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Vengathathanur.        | Do. | 24                  | Vengathathanur.                             |
|                                          |     | 457 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Sengattupatti.         | Do. | Do.                 | Do.                                         |
|                                          |     | 458 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Manickapuram.          | Do. | 27                  | Ranganathapuram.                            |
|                                          |     | 459 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Murugur.               | Do. | 38                  | Murugur.                                    |
|                                          |     | 460 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Keeranbur.             | Do. | 40                  | Keeranbur.                                  |
|                                          |     | 461 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Inam Singalandapuram.  | Do. | 70                  | Inam Singalandapuram.                       |
|                                          |     | 462 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Kottathur.             | Do. | 72                  | Kottathur.                                  |
|                                          |     | 463 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Inam Karathampatti.    | Do. | 83                  | Inam Karathampatti.                         |
|                                          |     | 464 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Koliakudi.             | Do. | 100                 | Koliakudi.                                  |
|                                          |     | 465 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Appanallur.            | Do. | Do.                 | Do.                                         |
|                                          |     | 466 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | T. Pudupatti.          | Do. | 106                 | T. Pudupatti.                               |
|                                          |     | 467 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Manbarai.              | Do. | 107                 | Manbarai.                                   |
|                                          |     | 468 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Pulivalam.             | Do. | 108                 | Pulivalam.                                  |
|                                          |     | 469 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Sittalarai.            | Do. | 110                 | Sittalarai.                                 |
|                                          |     | 470 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | Do.                 | Do.                                         |
|                                          |     | 471 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Tiruvengi Hills.       | Do. | 117                 | Alagara.                                    |
|                                          |     | 472 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Nachiapudur.           | Do. | Do.                 | Do.                                         |
|                                          |     | 473 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Sriramesamudram.       | Do. | 125                 | Sriramesamudram.                            |
|                                          |     | 474 | Do.                   | Do. | Do.                | Do. | Do.               | Do. | Do.                    | Do. | Do.                 | Do.                                         |

## APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.

| Serial number and name of licensee. | Serial number of the village or town. | Name of the district. | Name of the tank. | Name of the town. | Name of the village. | Census code number. | Name of the Revenue Administrative village. |
|-------------------------------------|---------------------------------------|-----------------------|-------------------|-------------------|----------------------|---------------------|---------------------------------------------|
| (1)                                 | (2)                                   | (3)                   | (4)               | (5)               | (6)                  | (7)                 | (8)                                         |
| 17 Tiruchi-Srirangam.               | 475                                   | Tiruchirappalli.      | Musiri            | Thottiam          | Silaipillaiyarputhur | 126                 | Silaipillaiyarputhur.                       |
| (To end of 1952-53.)—cont.          | 476                                   | Do.                   | Do.               | Do.               | Metupagudai          | 127                 | Kaduvetti.                                  |
|                                     | 477                                   | Do.                   | Do.               | Do.               | Natham               | 128                 | Natham.                                     |
|                                     | 478                                   | Do.                   | Do.               | Do.               | Mahendramangalam     | 132                 | Srinivasanallur.                            |
|                                     | 479                                   | Do.                   | Do.               | Musiri            | Do.                  | 138                 | Do.                                         |
|                                     | 480                                   | Do.                   | Do.               | Do.               | Sandapalayam         | 142                 | Musiri (Rural).                             |
|                                     | 481                                   | Do.                   | Do.               | Do.               | Ayyampalayam         | 142                 | Ayyampalayam.                               |
|                                     | 482                                   | Do.                   | Do.               | Do.               | Peramur              | 142                 | Do.                                         |
|                                     | 483                                   | Do.                   | Udayarpalayam.    | Ariyalur          | Kokthudi             | 181                 | Pundi.                                      |
|                                     | 484                                   | Do.                   | Do.               | Do.               | Keelaiyur            | 182                 | Keelaiyur.                                  |
|                                     | 485                                   | Do.                   | Do.               | Do.               | Kilapaluvur          | 183                 | Kilapaluvur.                                |
|                                     | 486                                   | Do.                   | Do.               | Do.               | Seedevimangalam      | 3                   | Seedevimangalam.                            |
|                                     | 487                                   | Do.                   | Lalgudi           | Do.               | Edumalai             | 3                   | Edumalai.                                   |
|                                     | 488                                   | Do.                   | Do.               | Do.               | Palayur              | 16                  | Palayur.                                    |
|                                     | 489                                   | Do.                   | Do.               | Do.               | Karimanickam         | 25                  | Karimanickam.                               |
|                                     | 490                                   | Do.                   | Do.               | Do.               | Kallagam             | 33                  | Kallagam.                                   |
|                                     | 491                                   | Do.                   | Do.               | Do.               | Thiruvellarai        | 34                  | Thiruvellarai.                              |
|                                     | 492                                   | Do.                   | Do.               | Do.               | Do.                  | 35                  | Do.                                         |
|                                     | 493                                   | Do.                   | Do.               | Do.               | Kalavaipatti         | 35                  | Ayyampalayam.                               |
|                                     | 494                                   | Do.                   | Do.               | Do.               | Sejakkadu            | 42                  | Kallakudi.                                  |
|                                     | 495                                   | Do.                   | Do.               | Do.               | Kallakudi            | 42                  | Do.                                         |
|                                     | 496                                   | Do.                   | Do.               | Do.               | Dalmiapuram          | 38                  | Kannagudi.                                  |
|                                     | 497                                   | Do.                   | Do.               | Do.               | Kannagudi            | 46                  | Poonampalayam.                              |
|                                     | 498                                   | Do.                   | Do.               | Do.               | Poonampalayam        | 48                  | Inam Kalpalayam.                            |
|                                     | 499                                   | Do.                   | Do.               | Do.               | Inam Kalpalayam      | 49                  | Inam Kalpalayam.                            |
|                                     | 500                                   | Do.                   | Do.               | Do.               | Irungalur            | 50                  | Irungalur.                                  |
|                                     | 501                                   | Do.                   | Do.               | Do.               | Perathakudi          | 50                  | Do.                                         |
|                                     | 502                                   | Do.                   | Do.               | Do.               | Magilambadi          | 51                  | Magilambadi.                                |
|                                     | 503                                   | Do.                   | Do.               | Do.               | Thachankurichi       | 53                  | Thachankurichi.                             |
|                                     | 504                                   | Do.                   | Do.               | Do.               | Punjai Sengandhi     | 53                  | Punjai Sengandhi.                           |
|                                     | 505                                   | Do.                   | Do.               | Do.               | Nanjai Sengandhi     | 54                  | Do.                                         |
|                                     | 506                                   | Do.                   | Do.               | Do.               | Pullambadi           | 54                  | Pullambadi.                                 |
|                                     | 507                                   | Do.                   | Do.               | Do.               | Kovandakurichi       | 55                  | Kovandakurichi.                             |

|     |     |     |     |     |     |    |                    |
|-----|-----|-----|-----|-----|-----|----|--------------------|
| 508 | Do. | Do. | Do. | Do. | Do. | 56 | Alagiamanavayam.   |
| 509 | Do. | Do. | Do. | Do. | Do. | 60 | Do.                |
| 510 | Do. | Do. | Do. | Do. | Do. | 61 | Inam Samayapuram.  |
| 511 | Do. | Do. | Do. | Do. | Do. | 61 | S. Kannanore.      |
| 512 | Do. | Do. | Do. | Do. | Do. | 64 | Do.                |
| 513 | Do. | Do. | Do. | Do. | Do. | 64 | Do.                |
| 514 | Do. | Do. | Do. | Do. | Do. | 66 | Neikuppai.         |
| 515 | Do. | Do. | Do. | Do. | Do. | 66 | Puduruthamanur.    |
| 516 | Do. | Do. | Do. | Do. | Do. | 67 | Peruvalanallur.    |
| 517 | Do. | Do. | Do. | Do. | Do. | 69 | Edangimangalam.    |
| 518 | Do. | Do. | Do. | Do. | Do. | 79 | Do.                |
| 519 | Do. | Do. | Do. | Do. | Do. | 79 | Kovathagudi.       |
| 520 | Do. | Do. | Do. | Do. | Do. | 80 | Do.                |
| 521 | Do. | Do. | Do. | Do. | Do. | 80 | Madavaperumalkoil. |
| 522 | Do. | Do. | Do. | Do. | Do. | 81 | Bikshandarkoil.    |
| 523 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 524 | Do. | Do. | Do. | Do. | Do. | 82 | Kuthur.            |
| 525 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 526 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 527 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 528 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 529 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 530 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 531 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 532 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 533 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 534 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 535 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 536 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 537 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 538 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 539 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 540 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 541 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 542 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 543 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 544 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 545 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 546 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 547 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 548 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 549 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 550 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |
| 551 | Do. | Do. | Do. | Do. | Do. | 82 | Do.                |

## APPENDIX H-2—cont.

*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and the name of licensee.                 | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town. | Name of the village. | Census code number. | Name of the Revenue Administrative village. |
|---------------------------------------------------------|---------------------------------------|-----------------------|--------------------|-------------------|----------------------|---------------------|---------------------------------------------|
| (1)                                                     | (2)                                   | (3)                   | (4)                | (5)               | (6)                  | (7)                 | (8)                                         |
| 17 Tiruchi-Srirangam.<br>(To end of 1952-53.)<br>—cont. |                                       | Tiruchirappalli.      | Kuittalai          | Lalgudi           | Krishnarayapuram     | 5                   | Krishnarayapuram.                           |
|                                                         | 552                                   | Do.                   | Do.                | ..                | Mahadanapuram        | 7                   | Mahadanapuram.                              |
|                                                         | 553                                   | Do.                   | Do.                | ..                | Chintalavadi         | 8                   | Chintalavadi.                               |
|                                                         | 554                                   | Do.                   | Do.                | ..                | Pillalalayam         | 9                   | Pillalalayam.                               |
|                                                         | 555                                   | Do.                   | Do.                | ..                | Kallapalli           | 10                  | Kallapalli.                                 |
|                                                         | 556                                   | Do.                   | Do.                | ..                | Lalapet              | ..                  | Do.                                         |
|                                                         | 557                                   | Do.                   | Do.                | ..                | Tirumachipuram       | 11                  | K. Pettai.                                  |
|                                                         | 558                                   | Do.                   | Do.                | ..                | Manathattai          | 14                  | Manathattai.                                |
|                                                         | 559                                   | Do.                   | Do.                | ..                | Vaiganallur          | 15                  | Vaiganallur.                                |
|                                                         | 560                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |
|                                                         | 561                                   | Do.                   | Do.                | ..                | Karupathur           | 17                  | Karupathur.                                 |
|                                                         | 562                                   | Do.                   | Do.                | ..                | Melapudupatti        | ..                  | Do.                                         |
|                                                         | 563                                   | Do.                   | Do.                | ..                | Rajendram            | 19                  | Rajendram.                                  |
|                                                         | 564                                   | Do.                   | Do.                | ..                | Parali               | ..                  | Do.                                         |
|                                                         | 565                                   | Do.                   | Do.                | ..                | Marudur              | 20                  | Marudur.                                    |
|                                                         | 566                                   | Do.                   | Do.                | ..                | Nadupatti            | ..                  | Do.                                         |
|                                                         | 567                                   | Do.                   | Do.                | ..                | Chithalavoi          | 21                  | Chithalavoi.                                |
|                                                         | 568                                   | Do.                   | Do.                | ..                | Vasumathi Farm       | 27                  | Poyyamani.                                  |
|                                                         | 569                                   | Do.                   | Do.                | ..                | Hiranyamangalam      | 34                  | Hiranyamangalam.                            |
|                                                         | 570                                   | Do.                   | Do.                | ..                | Valayapatti          | ..                  | Do.                                         |
|                                                         | 571                                   | Do.                   | Do.                | ..                | Inungur              | 35                  | Inungur.                                    |
|                                                         | 572                                   | Do.                   | Do.                | ..                | Pudupatti            | ..                  | Do.                                         |
|                                                         | 573                                   | Do.                   | Do.                | ..                | Ondampatti           | ..                  | Do.                                         |
|                                                         | 574                                   | Do.                   | Do.                | ..                | Nangavaram           | 36                  | Nangavaram.                                 |
|                                                         | 575                                   | Do.                   | Do.                | ..                | Nechalur             | ..                  | Do.                                         |
|                                                         | 576                                   | Do.                   | Do.                | ..                | Talinji              | 50                  | Talinji.                                    |
|                                                         | 577                                   | Do.                   | Do.                | ..                | Vadaseri             | 72                  | Vadaseri.                                   |
|                                                         | 578                                   | Do.                   | Do.                | ..                | Sevalur              | 100                 | Sevalur.                                    |
|                                                         | 579                                   | Do.                   | Do.                | ..                | Andavarkoil          | 102                 | Kannudayanpatti.                            |
|                                                         | 580                                   | Do.                   | Do.                | ..                | Sekkanam             | 104                 | Sekkanam.                                   |
|                                                         | 581                                   | Do.                   | Do.                | Manaparai         | ..                   | ..                  | ..                                          |
|                                                         | 582                                   | Tiruchirappalli.      | Do.                | Srirangam         | Melur                | 1                   | Melur.                                      |
|                                                         | 583                                   | Do.                   | Do.                | ..                | Petaivathalai        | ..                  | Petaivathalai.                              |
|                                                         | 584                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |
|                                                         | 585                                   | Do.                   | Do.                | ..                | ..                   | ..                  | ..                                          |

|     |     |     |     |    |                      |    |                        |
|-----|-----|-----|-----|----|----------------------|----|------------------------|
| 586 | Do. | Do. | Do. | .. | Sirugamani           | 10 | Sirugamani.            |
| 587 | Do. | Do. | Do. | .. | Do.                  | .. | Do.                    |
| 588 | Do. | Do. | Do. | .. | Do.                  | .. | Do.                    |
| 589 | Do. | Do. | Do. | .. | Perugamani.          | 11 | Perugamani.            |
| 590 | Do. | Do. | Do. | .. | Thiruppalathurai     | 12 | Thiruppalathurai.      |
| 591 | Do. | Do. | Do. | .. | Analai               | .. | Do.                    |
| 592 | Do. | Do. | Do. | .. | Andanallur           | 13 | Andanallur.            |
| 593 | Do. | Do. | Do. | .. | Arumengudi           | .. | Do.                    |
| 594 | Do. | Do. | Do. | .. | Thiruchendurai       | 14 | Thiruchendurai.        |
| 595 | Do. | Do. | Do. | .. | Alur                 | 15 | Alur.                  |
| 596 | Do. | Do. | Do. | .. | Palur                | 16 | Palur.                 |
| 597 | Do. | Do. | Do. | .. | Mutharasannallur     | 17 | Mutharasannallur.      |
| 598 | Do. | Do. | Do. | .. | Murugapettai         | .. | Do.                    |
| 599 | Do. | Do. | Do. | .. | Kambarasampettai     | 18 | Kambarasampettai.      |
| 600 | Do. | Do. | Do. | .. | Kodiyalam            | 19 | Kodiyalam.             |
| 601 | Do. | Do. | Do. | .. | Mekkudi              | 20 | Mekkudi.               |
| 602 | Do. | Do. | Do. | .. | Pandamangalam        | 27 | Pandamangalam.         |
| 603 | Do. | Do. | Do. | .. | ..                   | .. | ..                     |
| 604 | Do. | Do. | Do. | .. | Arasangudi           | 36 | Arasangudi.            |
| 605 | Do. | Do. | Do. | .. | Somasampettai        | 40 | Somasampettai.         |
| 606 | Do. | Do. | Do. | .. | Uyyakondanthirumalai | 42 | Uyyakondanthirumalai.  |
| 607 | Do. | Do. | Do. | .. | Kodappu              | .. | Do.                    |
| 608 | Do. | Do. | Do. | .. | Ariyamangalam        | 45 | Ulkadai Ariyamangalam. |
| 609 | Do. | Do. | Do. | .. | Veedividangam        | 47 | Kovelakudi.            |
| 610 | Do. | Do. | Do. | .. | Pappakurichi         | 48 | Pappakurichi.          |
| 611 | Do. | Do. | Do. | .. | Manjathidal          | 50 | Agaram.                |
| 612 | Do. | Do. | Do. | .. | Nachikurichi         | 54 | Nachikurichi.          |
| 613 | Do. | Do. | Do. | .. | Bommasamudram        | .. | Do.                    |
| 614 | Do. | Do. | Do. | .. | Sholanganallur       | 55 | Sholanganallur.        |
| 615 | Do. | Do. | Do. | .. | Sengulam             | 56 | Sengulam.              |
| 616 | Do. | Do. | Do. | .. | Varaganeri           | 57 | Varaganeri.            |
| 617 | Do. | Do. | Do. | .. | Thiruverambur        | 58 | Thiruverambur.         |
| 618 | Do. | Do. | Do. | .. | Koothapar            | 59 | Koothapar.             |
| 619 | Do. | Do. | Do. | .. | Navalur              | 63 | Navalur.               |
| 620 | Do. | Do. | Do. | .. | Edmalaiapatti        | 65 | Pirattiyur.            |
| 621 | Do. | Do. | Do. | .. | Pudur                | 66 | Abishekapuram.         |
| 622 | Do. | Do. | Do. | .. | Golden Rock          | 67 | Golden Rock.           |
| 623 | Do. | Do. | Do. | .. | Ponamalaipatti       | .. | Do.                    |
| 624 | Do. | Do. | Do. | .. | Alathur              | 70 | Alathur.               |
| 625 | Do. | Do. | Do. | .. | Melakalkandarkottai  | .. | Do.                    |
| 626 | Do. | Do. | Do. | .. | Kottapattu           | 68 | Kottapattu.            |
| 627 | Do. | Do. | Do. | .. | Sembattu             | .. | Do.                    |
| 628 | Do. | Do. | Do. | .. | Kilakalkandarkottai  | 71 | Kilakalkandarkottai.   |
| 629 | Do. | Do. | Do. | .. | Kalligudi            | 74 | Kalligudi.             |

## APPENDIX H.2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.

| Serial number and name of licensee.             | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town. | Name of the village.  | Census code number. | Name of the Revenue Administrative Village. |
|-------------------------------------------------|---------------------------------------|-----------------------|--------------------|-------------------|-----------------------|---------------------|---------------------------------------------|
| (1)                                             | (2)                                   | (3)                   | (4)                | (5)               | (6)                   | (7)                 | (8)                                         |
| 17 Tiruchi-Srirangam. (To end of 1952-53)—cont. | 630                                   | Tiruchirappalli.      | Tiruchirappalli.   | ..                | Sathanur ..           | 76                  | Sathanur.                                   |
|                                                 | 631                                   | Do.                   | Do.                | ..                | Navalapattu ..        | 79                  | Navalapattu.                                |
|                                                 | 632                                   | Do.                   | Do.                | ..                | Kolathur ..           | ..                  | Do.                                         |
|                                                 | 633                                   | Do.                   | Do.                | ..                | Vellivadi ..          | 94                  | Kolathur.                                   |
|                                                 | 634                                   | Do.                   | Do.                | ..                | Sivagattupatti ..     | ..                  | Do.                                         |
|                                                 | 635                                   | Do.                   | Do.                | ..                | Kuttipatti ..         | 104                 | Kuttipatti.                                 |
|                                                 | 636                                   | Do.                   | Do.                | ..                | Iluppur ..            | 118                 | Iluppur.                                    |
|                                                 | 637                                   | Do.                   | Do.                | ..                | Mukkanaraimaipatti .. | 123                 | Veerapatti.                                 |
|                                                 | 638                                   | Do.                   | Do.                | ..                | Kadapatti ..          | 3                   | Vittampatti.                                |
|                                                 | 639                                   | Do.                   | Kulathur           | ..                | Parapatti ..          | ..                  | Do.                                         |
|                                                 | 640                                   | Do.                   | Do.                | ..                | Ayyampatti ..         | 7                   | Kumaramangalam.                             |
|                                                 | 641                                   | Do.                   | Do.                | ..                | Puruvai ..            | 9                   | Puruvai.                                    |
|                                                 | 642                                   | Do.                   | Do.                | ..                | Viraimalai ..         | 3                   | Viraimalai.                                 |
|                                                 | 643                                   | Do.                   | Do.                | ..                | Seepanthope ..        | 39                  | Letchumanapatti.                            |
|                                                 | 644                                   | Do.                   | Do.                | ..                | Usilampatti ..        | 50                  | Usilampatti.                                |
|                                                 | 645                                   | Do.                   | Do.                | ..                | Kiranur ..            | 69                  | Kiranur.                                    |
|                                                 | 646                                   | Do.                   | Do.                | ..                | Annavaasal ..         | 120                 | Annavaasal.                                 |
|                                                 | 647                                   | Do.                   | Do.                | ..                | Satyamangalam ..      | 124                 | Satyamangalam.                              |
|                                                 | 648                                   | Do.                   | Do.                | ..                | Madianallur ..        | 138                 | Medianallur.                                |
|                                                 | 649                                   | Do.                   | Do.                | ..                | Vellanur ..           | 140                 | Vellanur.                                   |
|                                                 | 650                                   | Do.                   | Alangudi           | ..                | Alangudi ..           | 113                 | Alangudi.                                   |
|                                                 | 651                                   | Do.                   | Tanjore            | ..                | Thogur ..             | 1                   | Thogur.                                     |
|                                                 | 652                                   | Do.                   | Do.                | ..                | Koviladi ..           | 2                   | Koviladi.                                   |
|                                                 | 653                                   | Do.                   | Do.                | ..                | Puduchatram ..        | 4                   | Alamelupuram.                               |
|                                                 | 654                                   | Do.                   | Do.                | ..                | Nagachi ..            | ..                  | Do.                                         |
|                                                 | 655                                   | Do.                   | Do.                | ..                | Vishnampettai ..      | 5                   | Vishnampettai.                              |
|                                                 | 656                                   | Do.                   | Do.                | ..                | Kachamangalam ..      | 26                  | Kachamangalam.                              |
|                                                 | 657                                   | Do.                   | Do.                | ..                | Megalathur ..         | 27                  | Megalathur.                                 |
|                                                 | 658                                   | Do.                   | Do.                | ..                | Elangadu ..           | 29                  | Rajagiri.                                   |
|                                                 | 659                                   | Do.                   | Do.                | ..                | Nemam ..              | 30                  | Nemam.                                      |
|                                                 | 660                                   | Do.                   | Do.                | ..                | Palamaneri ..         | 31                  | Palamaneri.                                 |
|                                                 | 661                                   | Do.                   | Do.                | ..                | Tirukkattupalli ..    | 32                  | Tirukkattupalli.                            |
|                                                 | 662                                   | Do.                   | Do.                | ..                | Ombathuvelli ..       | 34                  | Ombathuvelli.                               |

|                                 |             |            |            |                               |                    |     |                  |
|---------------------------------|-------------|------------|------------|-------------------------------|--------------------|-----|------------------|
| 663                             | Do.         | Do.        | Do.        | ..                            | Michealpatti ..    | 35  | Michealpatti.    |
| 664                             | Do.         | Do.        | Do.        | ..                            | Kadambangudi ..    | 53  | Kadambangudi.    |
| 665                             | Do.         | Do.        | Do.        | ..                            | Marneri ..         | 55  | Marneri.         |
| 666                             | Do.         | Do.        | Do.        | ..                            | Renganathapuram .. | 59  | Renganathapuram. |
| 667                             | Do.         | Do.        | Do.        | ..                            | Dikshasanudram ..  | 60  | Dikshasanudram.  |
| 668                             | Do.         | Do.        | Do.        | ..                            | Budalur ..         | 79  | Budalur.         |
| 669                             | Do.         | Do.        | Do.        | ..                            | Sengipatti ..      | 149 | Sengipatti.      |
| 670                             | Do.         | Do.        | Do.        | ..                            | Neidalur ..        | 44  | Neidalur.        |
| 671                             | Do.         | Do.        | Do.        | ..                            | Chinnapanaiyur ..  | 60  | Do.              |
| 672                             | Do.         | Do.        | Do.        | ..                            | Alathur ..         | 19  | Alathur.         |
| 673                             | Do.         | Do.        | Do.        | ..                            | Thannurpalli ..    | 94  | Rajendram.       |
| 674                             | Do.         | Do.        | Do.        | ..                            | Porasambatti ..    | ..  | Talinji.         |
| 675                             | Tanjore     | Tanjore    | Tanjore    | Tanjore and its surroundings. | ..                 | ..  | ..               |
| 18 Tanjore                      | North Arcot | Tirupattur | Tirupattur | ..                            | ..                 | ..  | ..               |
| 19 Tirupattur                   | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 20 Vellore (To end of 1952-53.) | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 676                             | Do.         | Do.        | Do.        | ..                            | ..                 | 106 | In Sennpakkam.   |
| 677                             | Do.         | Do.        | Do.        | ..                            | ..                 | 118 | Thorapaddy.      |
| 678                             | Do.         | Do.        | Do.        | ..                            | ..                 | 111 | Sathuvachari.    |
| 679                             | Do.         | Do.        | Do.        | ..                            | ..                 | 158 | Allavaram.       |
| 680                             | Do.         | Do.        | Do.        | ..                            | ..                 | 117 | Edayansathu.     |
| 681                             | Do.         | Do.        | Do.        | ..                            | ..                 | 20  | Do.              |
| 682                             | Do.         | Do.        | Do.        | ..                            | ..                 | 17  | Viruthambet.     |
| 683                             | Do.         | Do.        | Do.        | ..                            | ..                 | 17  | Katpadi.         |
| 684                             | Do.         | Do.        | Do.        | ..                            | ..                 | 18  | Dharapadavedu.   |
| 685                             | Do.         | Do.        | Do.        | ..                            | ..                 | 16  | Kangayanellore.  |
| 686                             | Do.         | Do.        | Do.        | ..                            | ..                 | 24  | Vandranthangal.  |
| 687                             | Do.         | Do.        | Do.        | ..                            | ..                 | 19  | Dharapadavedu.   |
| 688                             | Do.         | Do.        | Do.        | ..                            | ..                 | 66  | Kalinjoor.       |
| 689                             | Do.         | Do.        | Do.        | ..                            | ..                 | 67  | ..               |
| 690                             | Do.         | Do.        | Do.        | ..                            | ..                 | 23  | Mottur.          |
| 691                             | Do.         | Do.        | Do.        | ..                            | ..                 | 21  | Karsi.           |
| 692                             | Do.         | Do.        | Do.        | ..                            | ..                 | 24  | Navalpore.       |
| 693                             | Do.         | Do.        | Do.        | ..                            | ..                 | 23  | Manthangal.      |
| 694                             | Do.         | Do.        | Do.        | ..                            | ..                 | 22  | Srinivasanpet.   |
| 695                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 696                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 697                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 698                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 699                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 700                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 701                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |
| 702                             | Do.         | Do.        | Do.        | ..                            | ..                 | ..  | ..               |

(During the year 1953-54.)



.. APPENDIX H-2—cont.

*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and name of licensee.            | (1) | Serial number of the village or town. | Name of the district. | (3) | Name of the taluk. | (4) | Name of the town. | (5) | Name of the village. | (6) | (7) | Name of the Revenue Administrative village. | (8) |
|------------------------------------------------|-----|---------------------------------------|-----------------------|-----|--------------------|-----|-------------------|-----|----------------------|-----|-----|---------------------------------------------|-----|
| 6. Karaikudi. (Up to end of 1952-53)—<br>cont. |     | 766                                   | Ramanathapuram.       |     | Tirupattur ..      |     |                   |     | Nachiapuram ..       |     |     | Nachiapuram.                                |     |
| (During the year 1953-54.)                     |     | 767                                   | Do.                   |     | Do.                |     |                   |     | Kovilur ..           |     |     | Kovilur.                                    |     |
| 7. Kanadukathan. (Up to end of 1952-53.)       |     | 768                                   | Ramanathapuram.       |     | Tirupattur ..      |     |                   |     | Kanadukathan ..      |     |     | Kanadukathan.                               |     |
|                                                |     | 769                                   | Do.                   |     | Do.                |     |                   |     | Nemathanpatti ..     |     |     | Nemathanpatti.                              |     |
|                                                |     | 770                                   | Do.                   |     | Do.                |     |                   |     | Pallathur ..         |     |     | Pallathur.                                  |     |
|                                                |     | 771                                   | Do.                   |     | Do.                |     |                   |     | Manachai ..          |     |     | Manachai.                                   |     |
|                                                |     | 772                                   | Do.                   |     | Do.                |     |                   |     | Kothamangalam ..     |     |     | Kothamangalam.                              |     |
|                                                |     | 773                                   | Do.                   |     | Do.                |     |                   |     | Lakshimpuram ..      |     |     | Lakshimpuram.                               |     |
|                                                |     | 774                                   | Do.                   |     | Do.                |     |                   |     | Kottaiyur ..         |     |     | Kottaiyur.                                  |     |
|                                                |     | 775                                   | Do.                   |     | Do.                |     |                   |     | Velangudi ..         |     |     | Velangudi.                                  |     |
|                                                |     | 776                                   | Do.                   |     | Do.                |     |                   |     | Alagapuri ..         |     |     | Alagapuri.                                  |     |
|                                                |     | 777                                   | Do.                   |     | Do.                |     |                   |     | Kandanoor ..         |     |     | Kandanoor.                                  |     |
|                                                |     | 778                                   | Do.                   |     | Do.                |     |                   |     | Puduvayal ..         |     |     | Puduvayal.                                  |     |
|                                                |     | 779                                   | Do.                   |     | Do.                |     |                   |     | Sakkottai ..         |     |     | Sakkottai.                                  |     |
|                                                |     | 780                                   | Do.                   |     | Do.                |     |                   |     | Karunthapallam ..    |     |     | Karunthapallam.                             |     |
|                                                |     | 781                                   | Do.                   |     | Do.                |     |                   |     | O. Siruvayal ..      |     |     | O. Siruvayal.                               |     |
|                                                |     | 782                                   | Do.                   |     | Do.                |     |                   |     | Palavangudi ..       |     |     | Palavangudi.                                |     |
|                                                |     | 783                                   | Do.                   |     | Do.                |     |                   |     | Chockanendal ..      |     |     | Chockanendal.                               |     |
|                                                |     | 784                                   | Do.                   |     | Do.                |     |                   |     | Attangudi ..         |     |     | Attangudi.                                  |     |
|                                                |     | 785                                   | Do.                   |     | Do.                |     |                   |     | A. Muthupetnam ..    |     |     | A. Muthupetnam.                             |     |
|                                                |     | 786                                   | Do.                   |     | Do.                |     |                   |     | Kumbakkudi ..        |     |     | Kumbakkudi.                                 |     |
|                                                |     | 787                                   | Do.                   |     | Do.                |     |                   |     | Nemam ..             |     |     | Nemam.                                      |     |
|                                                |     | 788                                   | Do.                   |     | Do.                |     |                   |     | Pillaiyarpatti ..    |     |     | Pillaiyarpatti.                             |     |
|                                                |     | 789                                   | Do.                   |     | Do.                |     |                   |     | Siravaya ..          |     |     | Siravaya.                                   |     |
|                                                |     | 790                                   | Do.                   |     | Do.                |     |                   |     | Vairavanpatti ..     |     |     | Vairavanpatti.                              |     |
|                                                |     | 791                                   | Do.                   |     | Do.                |     |                   |     | Sirukoondalpatti ..  |     |     | Sirukoondalpatti.                           |     |

(During the year 1953-54.)

[illegible]

APPENDIX H.2—cont.  
*List of villages and townships supplied by licensee undertakings as at the end of 1952-53 and also electrified during the year 1953-54—cont.*

| Serial number and name of licensee.           | Serial number of the village or town. | Name of the district. | Name of the taluk. | Name of the town.                  | Name of the village. | Census code number. | Name of the Revenue Administrative village. |
|-----------------------------------------------|---------------------------------------|-----------------------|--------------------|------------------------------------|----------------------|---------------------|---------------------------------------------|
| (1)                                           | (2)                                   | (3)                   | (4)                | (5)                                | (6)                  | (7)                 | (8)                                         |
| South Arcot. (Up to end of 1952-53)—<br>cont. |                                       | South Arcot.          | Cuddalore          |                                    | Malayamedu           | ..                  | Malayamedu.                                 |
|                                               | 828                                   | Do.                   | Do.                | ..                                 | Pongunam             | ..                  | Pongunam.                                   |
|                                               | 829                                   | Do.                   | Do.                | ..                                 | Pakiripalayam        | ..                  | Pakiripalayam.                              |
|                                               | 830                                   | Do.                   | Do.                | ..                                 | Gavarapet ..         | ..                  | Gavarapet.                                  |
|                                               | 831                                   | Do.                   | Do.                | ..                                 | Andikuppam           | ..                  | Andikuppam.                                 |
|                                               | 832                                   | Do.                   | Do.                | ..                                 | Narayanapuram        | ..                  | Narayanapuram.                              |
|                                               | 833                                   | Do.                   | Do.                | ..                                 | Edayanveli           | ..                  | Edayanveli.                                 |
|                                               | 834                                   | Do.                   | Do.                | ..                                 | Melpattambakkam      | ..                  | Melpattambakkam.                            |
|                                               | 835                                   | Do.                   | Do.                | ..                                 | ..                   | ..                  | ..                                          |
|                                               | 836                                   | Do.                   | Do.                | Panruti ..                         | Thirukandeswaram     | ..                  | Thirukandeswaram.                           |
|                                               | 837                                   | Do.                   | Do.                | ..                                 | Valapet ..           | ..                  | Valapet.                                    |
|                                               | 838                                   | Do.                   | Do.                | ..                                 | ..                   | ..                  | ..                                          |
|                                               | 839                                   | Do.                   | Do.                | Nelikuppam ..                      | Shollavalli          | ..                  | Shollavalli.                                |
|                                               | 840                                   | Do.                   | Do.                | ..                                 | Viswanathapuram      | ..                  | Viswanathapuram.                            |
|                                               | 841                                   | Do.                   | Do.                | ..                                 | Karamanikuppam       | ..                  | Karamanikuppam.                             |
|                                               | 842                                   | Do.                   | Do.                | ..                                 | Velleppakkam         | ..                  | Velleppakkam.                               |
|                                               | 843                                   | Do.                   | Do.                | ..                                 | Nathapet ..          | ..                  | Nathapet.                                   |
|                                               | 844                                   | Do.                   | Do.                | ..                                 | Kondur ..            | ..                  | Kondur.                                     |
|                                               | 845                                   | Do.                   | Do.                | ..                                 | ..                   | ..                  | ..                                          |
|                                               | 846                                   | Do.                   | Do.                | { Cuddalore N.T.<br>Cuddalore O.T. | ..                   | ..                  | ..                                          |
|                                               | 847                                   | Do.                   | Do.                | ..                                 | Rambakkam            | ..                  | Rambakkam.                                  |
|                                               | 848                                   | Do.                   | Do.                | ..                                 | Sornavur ..          | ..                  | Sornavur.                                   |
|                                               | 849                                   | Do.                   | Do.                | ..                                 | Kalanjikuppam        | ..                  | Kalanjikuppam.                              |
|                                               | 850                                   | Do.                   | Do.                | ..                                 | Chinnapegandai       | ..                  | Chinnapegandai.                             |
|                                               | 851                                   | Do.                   | Do.                | ..                                 | Melkumaramangalam    | ..                  | Melkumaramangalam.                          |
|                                               | 852                                   | Do.                   | Do.                | ..                                 | Iyyanarkoil          | ..                  | Iyyanarkoil.                                |
|                                               | 853                                   | Do.                   | Do.                | ..                                 | Kuchipalayam         | ..                  | Kuchipalayam.                               |
|                                               | 854                                   | Do.                   | Do.                | ..                                 | Kolipakkam           | ..                  | Kolipakkam.                                 |
|                                               | 855                                   | Do.                   | Do.                | ..                                 | Kongarayanur         | ..                  | Kongarayanur.                               |
|                                               | 856                                   | Do.                   | Do.                | ..                                 | Thirupachanur        | ..                  | Thirupachanur.                              |
|                                               | 857                                   | Do.                   | Do.                | ..                                 | Chinnapettai         | ..                  | Chinnapettai.                               |
|                                               | 858                                   | Do.                   | Do.                | ..                                 | Oraiyur ..           | ..                  | Oraiyur.                                    |

(During the year 1953-54.)

|     |                  |              |              |               |                         |    |                        |
|-----|------------------|--------------|--------------|---------------|-------------------------|----|------------------------|
| 859 | Do.              | Do.          | Do.          | ..            | Perumalnaickunpalayam.. | .. | Perumalnaickunpalayam. |
| 860 | Do.              | Do.          | Do.          | ..            | Thiruvendipuram         | .. | Thiruvendipuram.       |
| 861 | Do.              | Do.          | Do.          | ..            | Padhirikuppam           | .. | Padhirikuppam.         |
| 862 | Do.              | Do.          | Chidambaram. | ..            | Chuthukulam             | .. | Chuthukulam.           |
| 863 | Do.              | Do.          | Do.          | ..            | Bhuvanagiri             | .. | Bhuvanagiri.           |
| 864 | Do.              | Do.          | Do.          | ..            | Ammapet                 | .. | Ammapet.               |
| 865 | Do.              | Do.          | Do.          | ..            | Vallampadugai           | .. | Vallampadugai.         |
| 866 | Do.              | Do.          | Do.          | Chidambaram.  | ..                      | .. | ..                     |
| 867 | Do.              | Do.          | Vilupuram .. | ..            | Badiripuliyur ..        | .. | Badiripuliyur.         |
| 868 | Do.              | Do.          | Do.          | ..            | Kilperumbakkam          | .. | Kilperumbakkam.        |
| 869 | Do.              | Do.          | Do.          | ..            | Narasanpattai           | .. | Narasanpattai.         |
| 870 | Do.              | Do.          | Cuddalore    | ..            | Thiruvathi              | .. | Thiruvathi.            |
| 871 | Do.              | Do.          | Do.          | ..            | Sundaravandi            | .. | Sundaravandi.          |
| 872 | Do.              | Do.          | Do.          | ..            | Arungunam               | .. | Arungunam.             |
| 873 | Do.              | Do.          | Do.          | ..            | Palur ..                | .. | Palur.                 |
| 874 | Do.              | Do.          | Do.          | Gudithangi .. | ..                      | .. | ..                     |
| 875 | Tiruchirappalli. | Tirumayam .. | Do.          | ..            | Ponnamaravathy          | .. | Ponnamaravathy.        |
| 876 | Do.              | Do.          | Do.          | ..            | Vendanpatty             | .. | Vendanpatty.           |
| 877 | Do.              | Do.          | Do.          | ..            | Vegupatty               | .. | Vegupatty.             |
| 878 | Do.              | Do.          | Do.          | ..            | Koppnapatty             | .. | Koppnapatty.           |
| 879 | Do.              | Do.          | Do.          | ..            | Yenavayal               | .. | Yenavayal.             |
| 880 | Do.              | Do.          | Do.          | ..            | Sundaram ..             | .. | Sundaram.              |
| 881 | Do.              | Do.          | Do.          | ..            | Mekkinipatty            | .. | Mekkinipatty.          |
| 882 | Do.              | Do.          | Do.          | ..            | Kulipirai ..            | .. | Kulipirai.             |
| 883 | Do.              | Do.          | Do.          | ..            | Penayapatty             | .. | Penayapatty.           |
| 884 | Do.              | Do.          | Do.          | ..            | Rangiem ..              | .. | Rangiem.               |
| 885 | Do.              | Do.          | Do.          | ..            | Kurivikondanpatty       | .. | Kurivikondanpatty.     |
| 886 | Do.              | Do.          | Do.          | ..            | Virachilai ..           | .. | Virachilai.            |
| 887 | Do.              | Do.          | Do.          | ..            | Lakshmipuram            | .. | Lakshmipuram.          |
| 888 | Do.              | Do.          | Do.          | ..            | Nachandupatty           | .. | Nachandupatty.         |
| 889 | Do.              | Do.          | Do.          | ..            | Kottur ..               | .. | Kottur.                |
| 890 | Do.              | Do.          | Do.          | ..            | Namanasamudram          | .. | Namanasamudram.        |

(During the year 1953-54.)

## APPENDIX I.

## (1) PYKARA SYSTEM.

## I. INSTALLED CAPACITIES OF TRANSFORMERS.

|                       | Power-house. |                | Capacity in K.V.A. |
|-----------------------|--------------|----------------|--------------------|
|                       | Numbers.     | Voltage ratio. |                    |
| 1 Singara Power-house | 3 × 7,810    | 11/66-110 K.V. | 23,430             |
|                       | 2 × 12,500   | 11/110 K.V.    | 25,000             |
|                       | 2 × 5,000    | 11/66 K.V.     | 10,000             |
| Total                 |              |                | 58,430             |

|              |               |         |        |
|--------------|---------------|---------|--------|
| 2,000 K.V.A. | 11/11-22 K.V. | Number. | K.V.A. |
| 1,000 K.V.A. | Do.           | 3       | 6,000  |
|              |               | 2       | 2,000  |
| Total        |               |         | 8,000  |

## II. EXTRA HIGH TENSION SUB-STATIONS (66 K.V. AND 110 K.V.).

| Name of station.        | Number. | Voltage ratio.    | Capacity in K.V.A. | Aggregate capacity in K.V.A. |
|-------------------------|---------|-------------------|--------------------|------------------------------|
| 1 Kozhikode             | 2       | 66/33-11 K.V.     | 2,000              | 4,000                        |
| 2 Cannanore             | 2       | Do.               | 1,000              | 2,000                        |
| 3 Uppatti               | 2       |                   | 1,000              | 1,000                        |
| 4 Kuthumunda            | 2       |                   | 1,000              | 1,000                        |
| 5 Coimbatore R.S.       | 8       | 110/66/22-11 K.V. | 5,000              | 40,000                       |
|                         | 3       | 110/66 K.V.       | 6,000              | 18,000                       |
| 6 Tiruppur              | 3       | 66/33/22-11 K.V.  | 1,750              | 5,250                        |
| 7 Udamaipet             | 3       | Do.               | 1,750              | 5,250                        |
| 8 Sembatti              | 3       | Do.               | 1,750              | 5,250                        |
| 9 Somanur               | 1       | 66/33-11 K.V.     | 1,000              | 1,000                        |
| 10 Irugur (Singenallur) | 1       | 66/22-11 K.V.     | 3,000              | 3,000                        |
| 11 Pollachi             | 1       | Do.               | 3,000              | 3,000                        |
| 12 Kattabettu           | 2       | 110/11 K.V.       | 1,000              | 2,000                        |
| 13 Shenbhagapudur       | 1       | 66/11 K.V.        | 500                | 500                          |
| Total                   |         |                   |                    | 91,250                       |

## III. HIGH TENSION TRANSFORMERS.

|             |   |            |     |       |
|-------------|---|------------|-----|-------|
| 1 Karamadai | 2 | 22/11 K.V. | 500 | 1,000 |
| 2 Palghat   | 1 | Do.        | 250 |       |
|             | 1 | Do.        | 500 | 750   |
| Total       |   |            |     | 1,750 |

## IV. NUMBER OF DISTRIBUTION TRANSFORMERS.

973 Numbers.

62,127 K.V.A.

NOTE.—The transformers in the power-houses are in charge of the Superintending Engineer (Generation), Hydro-Electric areas.

## (2) MOYAR STATION.

|                     | Power-house.      |                | Capacity in K.V.A. |
|---------------------|-------------------|----------------|--------------------|
|                     | Numbers.          | Voltage ratio. |                    |
| 1 Moyar Power-house | 2 × 15,000 K.V.A. | 11/110 K.V.    | 30,000             |

## APPENDIX I—cont.

## (3) METTUR SYSTEM.

## I. INSTALLED CAPACITIES OF TRANSFORMERS.

| Name of station. | Numbers. | Voltage ratio. | Capacity in K.V.A. | Aggregate capacity in K.V.A. |
|------------------|----------|----------------|--------------------|------------------------------|
| Power-house      | 3        | 11/66-110 K.V. | 12,500             | 37,500                       |
|                  | 3        | 11/11-22 K.V.  | 2,000              | 6,000                        |
| Total            |          |                |                    | 43,500                       |

## II. EXTRA HIGH TENSION POWER TRANSFORMER STATIONS.

| Name of station.  | Numbers. | Voltage ratio. K.V. | Capacity in K.V.A. | Aggregate capacity in K.V.A. |
|-------------------|----------|---------------------|--------------------|------------------------------|
| 1 Erode           | 3        | 66-33/22-11         | 1,000              | 3,000                        |
|                   | 4        | 110/66              | 6,000              | 24,000                       |
| 2 Karur           | 3        | 66/22-11            | 750                | 2,250                        |
| 3 Tiruchirappalli | 3        | 66/33-11            | 2,500              | 7,500                        |
|                   | 1        | 66/22-11            | 2,500              | 2,500                        |
|                   | 1        | Do.                 | 2,000              | 2,000                        |
| 4 Salem           | 2        | Do.                 | 2,500              | 5,000                        |
| 5 Dalmiapuram     | 2        | Do.                 | 2,500              | 5,000                        |
| 6 Tanjore         | 2        | 66/33-11            | 750                | 1,500                        |
| 7 Tiruvarur       | 2        | 66/11               | 2,500              | 5,000                        |
| 8 Nagapattinam    | 2        | Do.                 | 2,500              | 5,000                        |
| 9 Kumbakonam      | 2        | 66/33-11            | 1,250              | 2,500                        |
| 10 Mayuram        | 3        | Do.                 | 1,250              | 3,750                        |
| 11 Singarapet     | 2        | 110/66              | 6,000              | 12,000                       |
|                   | 2        | 66/33-11            | 500                | 1,000                        |
| 12 Tirupattur     | 4        | Do.                 | 500                | 2,000                        |
| 13 Ambur          | 3        | Do.                 | 500                | 1,500                        |
| 14 Vadakethipatti | 2        | Do.                 | 1,250              | 2,500                        |
| 15 Vellore        | 1        | 66/33-22            | 1,250              | 1,250                        |
|                   | 2        | 66/33-11            | 1,250              | 2,500                        |
| 16 Tiruvannamalai | 2        | Do.                 | 1,000              | 2,000                        |
|                   | 1        | Do.                 | 750                | 750                          |
| 17 Vellavalam     | 2        | Do.                 | 250                | 500                          |
| 18 Villupuram     | 4        | 66/33-22            | 1,750              | 7,000                        |
|                   | 1        | 66/22-11            | 1,250              | 1,250                        |
| Total             |          |                     |                    | 103,250                      |

## III. HIGH TENSION POWER STATIONS.

|                |   |                                   |       |        |
|----------------|---|-----------------------------------|-------|--------|
| 1 Karimangalam | 1 | 33/11                             | 1,000 | 1,000  |
| 2 Ranipet      | 1 | Do.                               | 500   | 500    |
|                | 2 | Do.                               | 500   | 1,000  |
| 3 Kaveripauk   | 2 | Do.                               | 1,000 | 2,000  |
| 4 Arkonam      | 3 | Do.                               | 1,000 | 3,000  |
| 5 Pallur       | 2 | Do.                               | 500   | 1,000  |
| 6 Polur        | 2 | Do.                               | 250   | 500    |
| 7 Arni         | 3 | 66-33/22-11 (connected as 33/11). | 500   | 1,500  |
| 8 Chidambaram  | 2 | 33/11                             | 500   | 1,000  |
| Total          |   |                                   |       | 17,500 |

## APPENDIX I—cont.

## (3) METTUR SYSTEM—cont.

## IV. DISTRIBUTION TRANSFORMERS.

631 Numbers.

39,830 K.V.A.

## (4) PAPANASAM SYSTEM.

| Sub-station.                             | Numbers. | Transformer voltage ratio. | Capacity in K.V.A. | Aggregate capacity in K.V.A. |
|------------------------------------------|----------|----------------------------|--------------------|------------------------------|
| I. INSTALLED CAPACITIES OF TRANSFORMERS. |          |                            |                    |                              |
| 1 Papanasam Power-house                  | 4        | 11/66 K.V.                 | 7,250              | 29,000                       |
|                                          | 2        | 11/11-22 K.V.              | 2,000              | 4,000                        |
| 2 Madurai Thermal Station                | 1        | 66/33 K.V.                 | 5,000              | 5,000                        |
|                                          | 1        | 11/33 K.V.                 | 12,500             | 12,500                       |
| Total                                    | ..       | ..                         | ..                 | 50,500                       |

## II. EXTRA HIGH TENSION TRANSFORMER STATIONS (66 K.V.).

|               |    |    |    |                  |       |        |
|---------------|----|----|----|------------------|-------|--------|
| 1 Tuticorin   | .. | .. | 3  | 66/22-11 K.V.    | 1,250 | 3,750  |
| 2 Kayattar    | .. | .. | 2  | 66-33/22-11 K.V. | 2,000 | 4,000  |
| 3 Koilpatti   | .. | .. | 3  | 66/33-11 K.V.    | 1,000 | 3,000  |
| 4 Sattur      | .. | .. | 3  | 66/11 K.V.       | 250   | 750    |
| 5 Virudunagar | .. | .. | 3  | 66/33-11 K.V.    | 2,000 | 6,000  |
| 6 Rajapalayam | .. | .. | 2  | 66/11 K.V.       | 2,000 | 4,000  |
| 7 Pasumalai   | .. | .. | 4  | 66/22-11 K.V.    | 3,000 | 12,000 |
| 8 Tenkasi     | .. | .. | 2  | 66/33-11 K.V.    | 500   | 1,000  |
| Total         | .. | .. | .. | ..               | ..    | 34,500 |

## III. HIGH TENSION TRANSFORMER STATIONS.

|                          |    |    |    |                                               |       |        |
|--------------------------|----|----|----|-----------------------------------------------|-------|--------|
| 1 Gurumurthinaickenpatti | .. | .. | 3  | 33/11 K.V.                                    | 500   | 1,500  |
| 2 Pasumalai              | .. | .. | 2  | Do.                                           | 5,000 | 10,000 |
| 3 Rajapalayam            | .. | .. | *2 | Do.                                           | 500   | 1,000  |
|                          | .. | .. | *1 | 66-33/22-11 K.V.<br>(connected as 33/11 K.V.) | 500   | 500    |
| 4 Sivaganga              | .. | .. | 3  | 22/11-3.3 K.V.                                | 250   | 750    |
| 5 Pudur                  | .. | .. | 1  | Do.                                           | 500   | 500    |
| Total                    | .. | .. | .. | ..                                            | ..    | 14,250 |

\* Not in service since energising 2 Nos. 2,000 K.V.A. 66/11 K.V. transformers at the station.

## IV. DISTRIBUTION TRANSFORMERS.

321 Numbers.

17,605 K.V.A.

## (5) MADRAS SYSTEM.

| Station.                  |    | Number. | Transformer<br>voltage<br>ratio. |    | Capacity<br>in K.V.A. | Aggregate<br>capacity<br>in K.V.A. |
|---------------------------|----|---------|----------------------------------|----|-----------------------|------------------------------------|
| 1 Basin Bridge Station .. | .. | 2       | 11/33 K.V.                       | .. | 10,000                | 20,000                             |
|                           |    | 2       | 5/11 K.V.                        | .. | 7,500                 | 15,000                             |

## II. EXTRA HIGH TENSION TRANSFORMER POWER STATIONS (66 K.V. AND 110 K.V.).

|                |    |    |    |             |       |        |
|----------------|----|----|----|-------------|-------|--------|
| 1 Kancheepuram | .. | .. | 2  | 33/110 K.V. | 4,000 | 8,000  |
| 2 Korattur     | .. | .. | 2  | Do.         | 7,500 | 15,000 |
| Total          | .. | .. | .. | ..          | ..    | 23,000 |

## APPENDIX I—cont.

## (5) MADRAS SYSTEM—cont.

## III. HIGH TENSION TRANSFORMER STATIONS (33 K.V. AND 22 K.V.).

| Station.                | Number. | Voltage ratio.         | Capacity in K.V.A. | Aggregate capacity in K.V.A. |
|-------------------------|---------|------------------------|--------------------|------------------------------|
| (a) Step-up station—    |         |                        |                    |                              |
| 1 Kilpauk .. .. .       | 2       | 5/33 K.V. .. ..        | 1,000              | 2,000                        |
| (b) Step-down stations— |         |                        |                    |                              |
| 1 Korattur .. .. .      | 1       | 33/11 K.V. .. ..       | 5,000              | 5,000                        |
| 2 Kadambattur .. ..     | 2       | Do. .. ..              | 500                | 1,000                        |
| 3 Kancheepuram .. ..    | 3       | Do. .. ..              | 500                | 1,500                        |
|                         | 2       | 33/11/6.6 K.V. .. ..   | 250                | 500                          |
|                         | 2       | 33/6.6 K.V. .. ..      | 250                | 500                          |
| 4 Nazarethpet .. .. .   | 1       | 33/11 K.V. .. ..       | 1,500              | 1,500                        |
| 5 Porur .. .. .         | 1       | Do. .. ..              | 500                | 500                          |
| 6 Chromepet .. .. .     | 1       | Do. .. ..              | 500                | 500                          |
| 7 Tambaram .. .. .      | 1       | Do. .. ..              | 500                | 500                          |
|                         | 1       | 33/5 K.V. .. ..        | 100                | 100                          |
| 8 Pallavaram .. .. .    | 1       | 33/11 K.V. .. ..       | 500                | 500                          |
|                         | 2       | 33/5 K.V. (one spare). | 200                | 400                          |
| 9 Meenambakkam .. ..    | 1       | 33/11 K.V. .. ..       | 250                | 250                          |
| 10 Kodambakkam .. ..    | 2       | Do. .. ..              | 500                | 1,000                        |
| 11 St. Thomas Mount ..  | 1       | Do. .. ..              | 500                | 500                          |
|                         | 1       | 33/5 K.V. .. ..        | 300                | 600                          |
| 12 Sembiam .. .. .      | 1       | 33/11 K.V. .. ..       | 1,500              | 1,500                        |
| 13 Chingleput .. .. .   | 2       | Do. .. ..              | 500                | 1,000                        |
| 14 Tiruvallur .. .. .   | 1       | Do. .. ..              | 500                | 500                          |
| 15 Wallajahabad .. ..   | 1       | Do. .. ..              | 500                | 500                          |
| Total ..                |         |                        | 20,350             |                              |

## I.D.C. SUB-STATIONS.

K.W.

Installed capacity in K.W.

|                             |    |    |           |    |        |
|-----------------------------|----|----|-----------|----|--------|
| (a) Rectifier sub-stations— |    |    |           |    |        |
| 1 Bells Road                | .. | .. | 3 × 250   | .. | 750    |
| 2 China Bazaar              | .. | .. | 3 × 250   | .. | 750    |
| 3 Egmore                    | .. | .. | 2 × 250   | .. | 500    |
| 4 Moore Market              | .. | .. | 3 × 250   | .. | 750    |
| 5 Nungambakkam              | .. | .. | 2 × 250   | .. | 500    |
| 6 West Cott Road            | .. | .. | 3 × 250   | .. | 750    |
| Total                       | .. | .. | ..        | .. | 4,000  |
| (b) Rotary sub-stations—    |    |    |           |    |        |
| 1 Chetput                   | .. | .. | 3 × 250   | .. | 750    |
| 2 Egmore                    | .. | .. | 4 × 500   | .. | 2,000  |
|                             | .. | .. | 2 × 250   | .. | 500    |
| 3 East Georgetown           | .. | .. | 2 × 1,000 | .. | 2,000  |
|                             | .. | .. | 2 × 500   | .. | 1,000  |
|                             | .. | .. | 1 × 250   | .. | 250    |
| 4 Mount Road                | .. | .. | 1 × 1,000 | .. | 1,000  |
|                             | .. | .. | 3 × 500   | .. | 1,500  |
|                             | .. | .. | 2 × 250   | .. | 500    |
| 5 Mylapore                  | .. | .. | 4 × 250   | .. | 1,000  |
| 6 West Georgetown           | .. | .. | 2 × 1,000 | .. | 2,000  |
|                             | .. | .. | 1 × 500   | .. | 500    |
|                             | .. | .. | 2 × 250   | .. | 500    |
| Total                       | .. | .. | ..        | .. | 13,500 |

## IV. DISTRIBUTION TRANSFORMERS.

272 Numbers.

26,474 K.V.A.

## APPENDIX J.

## Consolidated balance sheet as on 31st March 1953.

| Assets and other debits.                                              |                       |                       |                          |                            |                               |                     |
|-----------------------------------------------------------------------|-----------------------|-----------------------|--------------------------|----------------------------|-------------------------------|---------------------|
| (1)                                                                   |                       |                       |                          |                            |                               |                     |
| Utility Plant.                                                        |                       |                       |                          |                            |                               |                     |
|                                                                       | Pylara system.<br>(2) | Mettur system.<br>(3) | Papanasam system.<br>(4) | Total H.E. systems.<br>(5) | Madras Thermal system.<br>(6) | Grand Total.<br>(7) |
|                                                                       | RS.                   | RS.                   | RS.                      | RS.                        | RS.                           | RS.                 |
| 1. Electric Plant at cost—                                            |                       |                       |                          |                            |                               |                     |
| (i) Generation Plant .. .. .                                          | 1,42,01,406           | 91,95,534             | 219,19,976               | 4,53,16,916                | 1,14,87,226                   | 5,87,84,142         |
| (ii) Transmission .. .. .                                             | 1,35,07,859           | 70,04,092             | 73,67,562                | 2,78,79,513                | 22,25,778                     | 3,01,05,291         |
| (iii) Distribution .. .. .                                            | 2,54,57,927           | 1,70,34,722           | 98,19,427                | 5,23,12,076                | 2,63,23,631                   | 7,86,35,707         |
| (iv) Miscellaneous equipments .. .. .                                 | 3,89,974              | 80,39,735             | 7,30,860                 | 21,60,569                  | ..                            | 91,60,569           |
| 2. Electric Plant Adjustments .. .. .                                 | 26,24,283             | 25,15,878             | 28,21,499                | 79,61,660                  | 9,71,805                      | 89,33,465           |
| 3. Common Electric Plant—Tools and Plant .. .. .                      | ..                    | 5,63,048              | 7,69,309                 | 13,32,357                  | 62,623                        | 13,94,980           |
| 4. Common Electric Plant adjustments .. .. .                          | ..                    | ..                    | ..                       | ..                         | 83,422                        | 83,422              |
| Total, Utility Plant in service .. .. .                               | 5,61,81,449           | 4,43,53,009           | 4,34,28,633              | 14,39,63,091               | 4,11,34,485                   | 18,50,97,576        |
| Investment Fund Accounts.                                             |                       |                       |                          |                            |                               |                     |
| 5. Other physical property .. .. .                                    | ..                    | ..                    | ..                       | ..                         | ..                            | ..                  |
| 6. Investments—                                                       |                       |                       |                          |                            |                               |                     |
| (a) Depreciation Reserve Fund .. .. .                                 | 1,19,03,397           | 83,35,126             | 22,99,825                | 2,25,38,348                | 60,55,671                     | 285,94,019          |
| (b) Special Reserve Fund .. .. .                                      | 42,22,195             | 27,86,222             | 9,22,742                 | 79,31,159                  | 7,51,297                      | 86,82,456           |
| 7. Investments with Accountant-Generals—                              |                       |                       |                          |                            |                               |                     |
| (a) Pension Contributions .. .. .                                     | 9,31,745              | ..                    | 3,33,664                 | 12,65,409                  | 3,65,276                      | 16,30,885           |
| (b) General Provident Fund Contributions .. .. .                      | 3,56,678              | ..                    | 38,369                   | 3,95,047                   | ..                            | 3,95,047            |
| 8. Investments with Government .. .. .                                |                       |                       |                          |                            |                               |                     |
| (a) Investments in P.O.Cs. and N.S.Cs., etc., by subordinates .. .. . | 47,490                | 28,830                | 23,520                   | 99,810                     | 6,300                         | 1,06,110            |
| (b) Investments in securities .. .. .                                 | 2,82,689              | ..                    | 6,050                    | 2,88,749                   | 7,500                         | 2,96,249            |
| (c) Investments in P.O.Cs. and N.S.Cs. .. .. .                        | 7,39,785              | 5,39,115              | 4,74,870                 | 17,53,780                  | 9,54,325                      | 27,08,105           |
| Total Investments and Fund Accounts .. .. .                           | 1,84,83,969           | 1,16,89,293           | 40,99,040                | 3,42,72,302                | 81,40,969                     | 4,24,12,671         |
| Fidelity Bonds held, G.P. Notes, etc. .. .. .                         | ..                    | ..                    | 34,050                   | 34,050                     | 20,400                        | 54,450              |
| Carried over .. .. .                                                  | 7,46,65,418           | 5,60,42,302           | 4,75,61,723              | 17,82,69,443               | 4,92,95,254                   | 22,75,94,697        |

## Liabilities and other credits.

|                                      | Pylara system.<br>(2) | Mettur system.<br>(3) | Papanasam system.<br>(4) | Total H.E. systems.<br>(5) | Madras Thermal system.<br>(6) | Grand Total.<br>(7) |
|--------------------------------------|-----------------------|-----------------------|--------------------------|----------------------------|-------------------------------|---------------------|
|                                      | RS.                   | RS.                   | RS.                      | RS.                        | RS.                           | RS.                 |
| 1. Subventions by Government .. .. . | 8,47,18,382           | 4,89,44,457           | 5,54,51,905              | 18,91,14,744               | 6,16,70,614                   | 25,07,85,358        |
| Securities/purchases .. .. .         | 1,61,25,592           | 1,11,21,348           | 32,20,774                | 3,04,67,714                | 68,06,968                     | 3,72,74,682         |
| Total, Capital .. .. .               | 10,08,43,974          | 6,00,65,805           | 5,86,72,679              | 21,95,83,458               | 6,84,77,582                   | 28,80,60,040        |

## Capital and Borrowings.

|                                      |              |             |             |              |             |              |
|--------------------------------------|--------------|-------------|-------------|--------------|-------------|--------------|
| 1. Subventions by Government .. .. . | 8,47,18,382  | 4,89,44,457 | 5,54,51,905 | 18,91,14,744 | 6,16,70,614 | 25,07,85,358 |
| Securities/purchases .. .. .         | 1,61,25,592  | 1,11,21,348 | 32,20,774   | 3,04,67,714  | 68,06,968   | 3,72,74,682  |
| Total, Capital .. .. .               | 10,08,43,974 | 6,00,65,805 | 5,86,72,679 | 21,95,83,458 | 6,84,77,582 | 28,80,60,040 |

## Long-term Obligations.

|                                                     |              |             |             |              |             |              |
|-----------------------------------------------------|--------------|-------------|-------------|--------------|-------------|--------------|
| Consumer's Deposits—                                |              |             |             |              |             |              |
| (i) In P.O.Cs. and N.S.Cs., etc. .. .. .            | 7,39,795     | 4,80,915    | 4,76,940    | 16,97,650    | 9,54,325    | 26,51,975    |
| (ii) Securities .. .. .                             | 1,83,894     | 28,250      | 6,050       | 6,050        | 7,500       | 13,550       |
| (iii) Cash .. .. .                                  | 2,80,800     | 58,200      | 1,21,849    | 3,33,933     | 9,47,699    | 12,81,632    |
| (iv) In Government Promissory notes .. .. .         | 47,460       | 22,300      | 22,300      | 3,61,300     | ..          | 3,61,300     |
| (v) Employers securities .. .. .                    | 6,628        | 28,960      | 33,200      | 1,09,620     | 6,300       | 1,15,920     |
| Deposits (contractors) .. .. .                      | 12,10,898    | 12,486      | 1,98,681    | 1,27,795     | 1,60,628    | 2,88,423     |
| Other long-term deposits .. .. .                    | ..           | 7,99,576    | ..          | 20,10,474    | 20          | 20,10,494    |
| Notes payable .. .. .                               | ..           | ..          | ..          | ..           | ..          | ..           |
| Accounts payable—                                   |              |             |             |              |             |              |
| (i) Contractors .. .. .                             | 47,603       | 8,633       | ..          | 56,236       | 16,94,487   | 17,50,723    |
| (ii) Suppliers .. .. .                              | 26,12,757    | 17,76,963   | 24,93,879   | 68,83,699    | 29,16,979   | 98,00,578    |
| London Stores .. .. .                               | ..           | 3,29,468    | 2,85,889    | 6,15,357     | 11,68,329   | 17,83,686    |
| Consumer's deposits for service connections .. .. . | 4,02,431     | 3,09,548    | 1,30,822    | 8,42,801     | 3,85,153    | 12,27,954    |
| Taxes assessed .. .. .                              | ..           | ..          | 9,294       | 9,294        | 28,006      | 37,300       |
| Interest accrued .. .. .                            | ..           | ..          | 8,132       | 17,576       | 14,236      | 31,812       |
| Advances for contributions (D.C.W.) .. .. .         | 9,444        | ..          | 6,25,780    | 6,25,780     | 15,28,156   | 21,53,936    |
| Other credits and accrued credits .. .. .           | ..           | 1,44,511    | 1,18,055    | 6,69,397     | 3,25,754    | 9,95,151     |
| Salaries and wages due .. .. .                      | 4,06,831     | ..          | ..          | ..           | 20,400      | 20,400       |
| Fidelity bonds .. .. .                              | ..           | ..          | ..          | ..           | ..          | ..           |
| Carried over .. .. .                                | 10,67,92,455 | 6,40,43,316 | 6,31,13,550 | 23,39,49,320 | 7,86,35,554 | 31,25,84,874 |

APPENDIX J—cont.  
Consolidated balance sheet as on 31st March 1953—cont.

| Assets and other debits.                           |                              |                              |                                 |                                  |                                        |                            |
|----------------------------------------------------|------------------------------|------------------------------|---------------------------------|----------------------------------|----------------------------------------|----------------------------|
| (1)                                                | Pykara system.<br>(2)<br>RS. | Mettur system.<br>(3)<br>RS. | Papanasam system.<br>(4)<br>RS. | Total H.R. system.<br>(5)<br>RS. | Madras (Thermal) system.<br>(6)<br>RS. | Grand Total.<br>(7)<br>RS. |
| <b>Balance Sheet—</b>                              |                              |                              |                                 |                                  |                                        |                            |
| Assets and other Debit Brought forward ..          | 7,46,65,418                  | 5,60,42,302                  | 4,75,61,723                     | 17,82,69,443                     | 4,92,95,254                            | 22,75,64,697               |
| Cash ..                                            | 4,068                        | 1,044                        | 714                             | 5,826                            | 24,816                                 | 30,642                     |
| <b>Working Funds—</b>                              |                              |                              |                                 |                                  |                                        |                            |
| (i) Petty Cash ..                                  | 14,576                       | 11,697                       | 7,556                           | 33,829                           | 6,274                                  | 40,103                     |
| (ii) Temporary Advances ..                         | 4,358                        | 20,857                       | 6,783                           | 31,998                           | 1,070                                  | 33,068                     |
| Cheques, Demand drafts, Note receivable ..         | ..                           | ..                           | ..                              | ..                               | 40,620                                 | 40,620                     |
| <b>Temporary Advances—</b>                         |                              |                              |                                 |                                  |                                        |                            |
| Advances Recoverable and Other Advances.           | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| <b>Accounts Receivable.</b>                        |                              |                              |                                 |                                  |                                        |                            |
| Sale of Power ..                                   | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| War Costs Surcharge ..                             | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| Miscellaneous Revenue ..                           | 6,46,333                     | 6,92,519                     | 3,42,319                        | 16,81,171                        | 22,33,378                              | 39,14,549                  |
| Accrued Utility Revenue ..                         | 7,20,805                     | 7,52,873                     | ..                              | 14,73,678                        | 24,33,276                              | 39,06,954                  |
| Materials and Supplies ..                          | 98,24,892                    | 1,18,30,419                  | 1,01,86,189                     | 3,14,51,302                      | 1,18,77,884                            | 4,33,29,186                |
| Pre-payments ..                                    | 94,34,694                    | 19,710                       | ..                              | 19,710                           | ..                                     | 19,710                     |
| London Stores ..                                   | 19,22,586                    | 28,35,092                    | 2,44,666                        | 50,02,344                        | ..                                     | 50,02,344                  |
| Other Current and Accrued Assets ..                | 9,37,432                     | 9,58,173                     | ..                              | 18,95,605                        | ..                                     | 18,95,605                  |
| Miscellaneous items of Revenue ..                  | 52,399                       | ..                           | 8,90,545                        | 9,42,944                         | 52,961                                 | 9,95,905                   |
| <b>Total, Current and Accrued Assets ..</b>        | <b>1,37,37,251</b>           | <b>1,70,82,964</b>           | <b>1,16,78,772</b>              | <b>4,24,98,987</b>               | <b>1,66,70,279</b>                     | <b>5,91,69,266</b>         |
| <b>Service connection paid by consumers ..</b>     | <b>7,53,753</b>              | <b>..</b>                    | <b>3,64,738</b>                 | <b>11,23,491</b>                 | <b>12,15,899</b>                       | <b>23,39,390</b>           |
| <b>Deferred Debits.</b>                            |                              |                              |                                 |                                  |                                        |                            |
| Retirement Work in Progress ..                     | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| Other Works in Progress (Service connections) ..   | 4,01,968                     | ..                           | 2,15,881                        | 6,20,849                         | 4,40,932                               | 10,61,781                  |
| Projects under Construction ..                     | 6,20,48,250                  | 1,70,43,132                  | 1,11,46,370                     | 9,02,37,752                      | 2,52,91,329                            | 11,55,29,081               |
| Other Deferred Accounts (interest and audit fees). | 80,38,598                    | 5,32,957                     | 3,48,615                        | 89,20,170                        | 7,88,835                               | 97,09,008                  |
| <b>Total ..</b>                                    | <b>7,12,47,569</b>           | <b>1,75,76,089</b>           | <b>1,20,78,604</b>              | <b>10,09,02,362</b>              | <b>2,77,36,995</b>                     | <b>12,86,39,257</b>        |
| <b>Grand Total ..</b>                              | <b>15,96,50,238</b>          | <b>9,07,01,355</b>           | <b>7,13,19,099</b>              | <b>32,16,70,692</b>              | <b>9,37,02,638</b>                     | <b>41,53,73,290</b>        |

## Liabilities and other credits.

| (1)                                              | Pykara system.<br>(2)<br>RS. | Mettur system.<br>(3)<br>RS. | Papanasam system.<br>(4)<br>RS. | Total H.R. system.<br>(5)<br>RS. | Madras (Thermal) system.<br>(6)<br>RS. | Grand Total.<br>(7)<br>RS. |
|--------------------------------------------------|------------------------------|------------------------------|---------------------------------|----------------------------------|----------------------------------------|----------------------------|
| <b>Balance sheet—</b>                            |                              |                              |                                 |                                  |                                        |                            |
| Liabilities and other credits Brought forward.   | 10,67,92,455                 | 6,40,43,315                  | 6,31,13,550                     | 23,39,49,320                     | 7,86,35,554                            | 31,25,84,874               |
| <b>Reserve for</b>                               |                              |                              |                                 |                                  |                                        |                            |
| (i) Depreciation ..                              | 1,23,13,203                  | 88,18,157                    | 30,52,889                       | 2,41,84,249                      | 73,06,280                              | 3,14,90,509                |
| (ii) Extraordinary cases ..                      | 60,15,059                    | 33,60,096                    | 12,07,060                       | 95,82,215                        | 11,87,761                              | 1,07,69,976                |
| (iii) Stabilisation of Assets ..                 | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (iv) Development ..                              | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (v) Amortization of Electric Plant Adjustment .. | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (vi) Uneffective Bills ..                        | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (vii) Insurance ..                               | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (viii) Injuries and Damages ..                   | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (ix) Employees' Provident Fund ..                | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (x) Leave salaries ..                            | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (xi) Other reserves ..                           | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| (xii) Reserve for Tools and Plant ..             | ..                           | ..                           | ..                              | ..                               | ..                                     | ..                         |
| Pension payable ..                               | 7,58,753                     | ..                           | 3,64,738                        | 11,23,491                        | 12,15,900                              | 23,39,391                  |
| Service connections paid for by consumers ..     | 12,64,35,848                 | 7,62,21,568                  | 6,81,10,270                     | 27,07,67,686                     | 8,88,72,592                            | 35,96,40,278               |
| <b>Earned Surplus ..</b>                         | <b>3,32,14,390</b>           | <b>1,44,79,787</b>           | <b>32,08,829</b>                | <b>5,09,03,006</b>               | <b>48,29,936</b>                       | <b>5,57,32,942</b>         |
| <b>Grand Total ..</b>                            | <b>15,96,50,238</b>          | <b>9,07,01,355</b>           | <b>7,13,19,099</b>              | <b>32,16,70,692</b>              | <b>9,37,02,638</b>                     | <b>41,53,73,290</b>        |





## APPENDIX J—cont.

[Note to accompany Balance Sheet.]

Details of schemes under construction excluded from utility capital.

| Serial number.        | Schemes.                                      | Direct outlay.<br>RS. | Indirect charges.<br>RS. |
|-----------------------|-----------------------------------------------|-----------------------|--------------------------|
| <b>Pykara System—</b> |                                               |                       |                          |
| (1)                   | Moyar Hydro Scheme .. ..                      | 269,59,905            | 44,39,400                |
| (2)                   | Pykara-Moyar-Erode Line .. ..                 | 80,57,283             | 8,77,460                 |
| (3)                   | Pykara III Stage .. ..                        | 236,44,913            | 24,97,465                |
| (4)                   | South Kanara .. ..                            | 9,78,364              | 38,288                   |
| (5)                   | Coimbatore-Madura 110 KV. Line .. ..          | 28,26,393             | 1,04,888                 |
| (6)                   | Tirur-Ponnani Extension .. ..                 | 7,67,988              | 41,928                   |
| (7)                   | Kugalur Extension .. ..                       | 212                   | 34                       |
| (8)                   | Kollengode-Vadavanur .. ..                    | 2,33,776              | 8,434                    |
| (9)                   | Mariakundu-Subbalapuram .. ..                 | 2,08,348              | 8,897                    |
| (10)                  | Alathur .. ..                                 | 132                   | 6                        |
| (11)                  | 66 KV. Sub-station Singanallur-Somanur. .. .. | 35                    | 3                        |
| (12)                  | Pollachi-Negamam Extension .. ..              | 3,70,901              | 21,885                   |
|                       | <b>Total ..</b>                               | <b>6,20,48,250</b>    | <b>80,38,598</b>         |

**Mettur System—**

|     |                                              |                    |                 |
|-----|----------------------------------------------|--------------------|-----------------|
| (1) | Pichaiyakkam Extension .. ..                 | 3,532              | 115             |
| (2) | Arkonam-Renigunta Extension .. ..            | 1,488              | 52              |
| (3) | Madras-Mettur Inter-connection .. ..         | 80,57,700          | 2,45,579        |
| (4) | Tanjore-Mayuram Extension .. ..              | 23,73,582          | 76,742          |
| (5) | Erode-Salem .. ..                            | 22,69,112          | 71,322          |
| (6) | Erode-Tiruchirappalli-Dalmia Extension .. .. | 43,37,718          | 1,39,147        |
|     | <b>Total ..</b>                              | <b>1,70,43,132</b> | <b>5,32,957</b> |

**Papanasam System—**

|      |                                                             |                    |                 |
|------|-------------------------------------------------------------|--------------------|-----------------|
| (1)  | Madura Thermal .. ..                                        | 46,34,020          | 3,48,615        |
| (2)  | Papanasam-Kayattar .. ..                                    | 16,46,381          |                 |
| (3)  | Madura-Tirumangalam-Rajapalayam .. ..                       | 24,77,960          |                 |
| (4)  | Madura-Sivaganga .. ..                                      | 8,70,336           |                 |
| (5)  | Transformer changes Madura and Virudhunagar .. ..           | 2,90,522           |                 |
| (6)  | Supply to Nanguneri-Kalkad .. ..                            | 12,108             |                 |
| (7)  | Supply to Surandai-Sundarapandiapuram. .. ..                | 81,845             |                 |
| (8)  | Srivaikuntam .. ..                                          | 68,064             |                 |
| (9)  | North Malli .. ..                                           | 3,49,528           |                 |
| (10) | Kezalarajakularaman .. ..                                   | 1,48,628           |                 |
| (11) | Pazhamcottai .. ..                                          | 1,80,565           |                 |
| (12) | Sankaranagar .. ..                                          | 2,48,872           |                 |
| (13) | Increase in Transformer capacity Puliangudi Extension .. .. | 1,37,541           |                 |
|      | <b>Total ..</b>                                             | <b>1,11,46,370</b> | <b>3,48,615</b> |

**Madras System—**

|                                    |             |          |
|------------------------------------|-------------|----------|
| Madras 'B' Station Extension .. .. | 2,52,01,329 | 7,88,335 |
|------------------------------------|-------------|----------|

## APPENDIX K.

## List of staff employed.

| Systems and circles.                             | Engineering. | Draftsmen. | Accounting and Clerical. | Store-keepers. | Bill collectors. | Last grade staff. | Nominal muster roll. | Operation and Sub-ordinate Services and worksharers. | Other technical staff. | Total         |
|--------------------------------------------------|--------------|------------|--------------------------|----------------|------------------|-------------------|----------------------|------------------------------------------------------|------------------------|---------------|
|                                                  | Gazetted.    | Gazetted.  | Gazetted.                | Gazetted.      | Gazetted.        | Gazetted.         | Gazetted.            | Gazetted.                                            | Gazetted.              | Gazetted.     |
| Chief Engineer (Electricity).                    | 8            | ..         | ..                       | ..             | ..               | 31                | ..                   | ..                                                   | ..                     | 139           |
| Chief Electrical Inspector to Government.        | 5            | ..         | ..                       | ..             | ..               | 23                | ..                   | ..                                                   | ..                     | 81            |
| Chief Controller of Accounts.                    | ..           | ..         | ..                       | ..             | ..               | ..                | ..                   | ..                                                   | ..                     | ..            |
| Superintending Engineer, Technical (Electrical). | 17           | ..         | ..                       | ..             | ..               | 21                | ..                   | ..                                                   | ..                     | 96            |
| Superintending Engineer, Technical (Civil).      | 13           | ..         | ..                       | ..             | ..               | 37                | ..                   | ..                                                   | ..                     | 159           |
| Pykara .. ..                                     | 25           | ..         | ..                       | ..             | ..               | 39                | ..                   | ..                                                   | ..                     | 163           |
| Mettur .. ..                                     | 22           | ..         | ..                       | ..             | ..               | 128               | 889                  | 1,320                                                | ..                     | 2,847         |
| Papanasam .. ..                                  | 22           | ..         | ..                       | ..             | ..               | 124               | 903                  | 1,055                                                | ..                     | 2,560         |
| Generation, Erode .. ..                          | 22           | ..         | ..                       | ..             | ..               | 126               | 1,153                | 531                                                  | ..                     | 2,230         |
| Madras (Distribution) and (Generation).          | 19           | ..         | ..                       | ..             | ..               | 43                | 508                  | 658                                                  | ..                     | 1,364         |
| General construction circle .. ..                | 44           | ..         | ..                       | ..             | ..               | 181               | 2,529                | 984                                                  | 5                      | 4,260         |
| <b>Total ..</b>                                  | <b>24</b>    | <b>199</b> | <b>543</b>               | <b>2</b>       | <b>139</b>       | <b>76</b>         | <b>1,990</b>         | <b>192</b>                                           | <b>7</b>               | <b>2,387</b>  |
|                                                  |              |            |                          |                |                  |                   |                      |                                                      |                        | <b>16,266</b> |

† Instrument repairer.

\* Cleaners in the laboratory.

## APPENDIX L.

Statement showing the comparative particulars of operation and maintenance expenses, revenue, etc., before and after nationalisation of the electrical undertakings having independent generating stations taken over by Government under the Madras Electricity Supply Undertakings (Acquisition) Act, 1949.

Udipi Undertaking taken over on 1st June 1951.

| Details.                                             | 1950-51. | 1951-52.                          |                                         | 1952-53. | 1953-54. |
|------------------------------------------------------|----------|-----------------------------------|-----------------------------------------|----------|----------|
|                                                      |          | From 1st April to 15th June 1951. | From 16th June 1951 to 31st March 1952. |          |          |
|                                                      | RS.      | RS.                               | RS.                                     | RS.      | RS.      |
| 1 Gross revenue .. .. .                              | 1,09,500 | 18,350                            | 57,786                                  | 1,20,959 | 1,66,491 |
| 2 Operation and maintenance .. .. .                  | 1,01,588 | 17,954                            | 55,348                                  | 1,09,955 | 1,30,258 |
| 3 Contribution to Depreciation Reserve Funds .. .. . | 7,500    | ..                                | ..                                      | ..       | ..       |
| 4 Contribution to Special Reserve Fund .. .. .       | ..       | ..                                | ..                                      | ..       | ..       |
| 5 Total working expenses .. .. .                     | 1,09,088 | 17,954                            | 55,348                                  | 1,09,955 | 1,30,258 |
| 6 Net revenue.. .. .                                 | 412      | 396                               | 2,448                                   | 11,004   | 36,233   |

## APPENDIX M.

Details of investment.

| Details. | Face value. |  | Purchase price. |    |    |
|----------|-------------|--|-----------------|----|----|
|          | RS.         |  | RS.             | A. | P. |

Pykara Hydro-Electricity System.

Depreciation Reserve Fund, 31st March 1954—

|                                                                    |             |             |    |   |
|--------------------------------------------------------------------|-------------|-------------|----|---|
| Madras 3 per cent Loan, 1959 .. .. .                               | 1,70,300    | 1,64,780    | 7  | 0 |
| Do. 1960 .. .. .                                                   | 9,17,200    | 9,01,575    | 8  | 0 |
| Madras 2½ per cent Loan, 1961 .. .. .                              | 13,84,500   | 13,28,168   | 12 | 0 |
| Madras 3½ per cent Loan, 1962 .. .. .                              | 18,00,000   | 17,55,000   | 0  | 0 |
| Government of India 3 per cent C.L., 1946 .. .. .                  | 8,40,000    | 8,46,775    | 0  | 0 |
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 22,60,000   | 22,38,162   | 8  | 0 |
| Do. 1957 .. .. .                                                   | 3,98,900    | 3,99,232    | 4  | 0 |
| Do. 1963-65 .. .. .                                                | 17,50,000   | 16,60,312   | 8  | 0 |
| Government of India 4 per cent Loan, 1960-70 .. .. .               | 4,000       | 4,517       | 8  | 0 |
| Government of India 3 per cent Loan, 1970-75 .. .. .               | 19,75,000   | 19,20,531   | 4  | 0 |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 15,64,300   | 15,37,786   | 0  | 0 |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 7,00,000    | 6,41,375    | 0  | 0 |
| Total .. .. .                                                      | 1,37,62,200 | 1,33,98,216 | 11 | 0 |

Special Reserve Fund—

|                                                   |          |          |    |   |
|---------------------------------------------------|----------|----------|----|---|
| Madras 3 per cent Loan, 1959 .. .. .              | 43,600   | 41,640   | 3  | 0 |
| Do. 1960 .. .. .                                  | 2,98,800 | 2,96,808 | 8  | 0 |
| Madras 2½ per cent Loan, 1961 .. .. .             | 3,60,000 | 3,61,293 | 12 | 0 |
| Government of India 3 per cent C.L., 1946 .. .. . | 9,00,500 | 7,83,963 | 2  | 0 |

## APPENDIX M—cont.

Details of investment—cont.

| Details. | Face value. |  | Purchase price. |    |    |
|----------|-------------|--|-----------------|----|----|
|          | RS.         |  | RS.             | A. | P. |

Pykara Hydro-Electricity System—cont.

Special Reserve Fund—cont.

|                                                                    |             |             |    |   |
|--------------------------------------------------------------------|-------------|-------------|----|---|
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 14,84,000   | 14,51,933   | 12 | 0 |
| Do. 1957 .. .. .                                                   | 2,00,900    | 2,02,890    | 4  | 0 |
| Do. 1963-65 .. .. .                                                | 5,50,000    | 5,23,750    | 0  | 0 |
| Do. 1970-75 .. .. .                                                | 3,83,000    | 3,83,000    | 0  | 0 |
| Do. 1966-68 .. .. .                                                | 4,30,000    | 4,13,337    | 8  | 0 |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 6,83,700    | 6,72,176    | 8  | 0 |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 2,00,000    | 1,83,250    | 0  | 0 |
| Total .. .. .                                                      | 55,34,000   | 53,14,043   | 9  | 0 |
| Total, Pykara .. .. .                                              | 1,92,96,200 | 1,87,12,260 | 4  | 0 |

Mettur Electricity System.

Depreciation Reserve Fund, 31st March 1954—

|                                                                    |             |             |    |   |
|--------------------------------------------------------------------|-------------|-------------|----|---|
| Madras 3 per cent Loan, 1959 .. .. .                               | 1,56,600    | 1,52,590    | 14 | 0 |
| Do. 1960 .. .. .                                                   | 4,82,400    | 4,79,988    | 0  | 0 |
| Madras 2½ per cent Loan, 1961 .. .. .                              | 5,70,000    | 5,72,006    | 4  | 0 |
| Madras 3½ per cent Loan, 1962 .. .. .                              | 10,00,000   | 9,75,000    | 0  | 0 |
| Government of India 3 per cent C.L., 1946 .. .. .                  | 5,00,000    | 5,04,687    | 8  | 0 |
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 16,84,000   | 16,44,058   | 12 | 0 |
| Do. 1957 .. .. .                                                   | 5,64,000    | 5,65,520    | 0  | 0 |
| Do. 1963-65 .. .. .                                                | 23,03,800   | 21,58,707   | 4  | 0 |
| Do. 1970-75 .. .. .                                                | 17,42,000   | 16,92,718   | 12 | 0 |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 6,92,100    | 6,79,988    | 4  | 0 |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 7,00,000    | 6,41,375    | 0  | 0 |
| Total .. .. .                                                      | 1,03,94,900 | 1,00,66,640 | 10 | 0 |

Special Reserve Fund—

|                                                                    |             |             |    |   |
|--------------------------------------------------------------------|-------------|-------------|----|---|
| Madras 3 per cent Loan, 1959 .. .. .                               | 98,700      | 94,592      | 11 | 0 |
| Do. 1960 .. .. .                                                   | 2,00,900    | 1,99,958    | 0  | 0 |
| Madras 2½ per cent Loan, 1961 .. .. .                              | 2,24,000    | 2,24,782    | 8  | 0 |
| Government of India 3 per cent C.L., 1946 .. .. .                  | 2,00,000    | 2,01,875    | 0  | 0 |
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 9,34,000    | 9,01,371    | 4  | 0 |
| Do. 1957 .. .. .                                                   | 2,84,400    | 2,86,727    | 8  | 0 |
| Do. 1963-65 .. .. .                                                | 8,40,000    | 7,85,925    | 0  | 0 |
| Do. 1970-75 .. .. .                                                | 3,55,000    | 3,55,000    | 0  | 0 |
| Do. 1966-68 .. .. .                                                | 3,30,000    | 3,17,312    | 8  | 0 |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 2,29,000    | 2,24,992    | 2  | 0 |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 2,00,000    | 1,83,250    | 0  | 0 |
| Total .. .. .                                                      | 38,96,000   | 37,75,686   | 15 | 0 |
| Total, Mettur .. .. .                                              | 1,42,90,900 | 1,38,42,327 | 9  | 0 |

## APPENDIX M—cont.

## Details of investment—cont.

Details.

Face value.  
Rs.Purchase price—  
Rs. A. P.

## Papanasam Electricity System.

|                                                                    |           |           |      |
|--------------------------------------------------------------------|-----------|-----------|------|
| Depreciation Reserve Fund, 31st March 1954—                        |           |           |      |
| Madras 3 per cent Loan, 1960 .. .. .                               | 76,600    | 76,217    | 0 0  |
| Madras 2½ per cent Loan, 1961 .. .. .                              | 78,000    | 78,390    | 0 0  |
| Government of India 3 per cent C.L., 1946 .. .. .                  | 85,000    | 85,659    | 8 0  |
| Government of India 3 per cent Loan, 1957 .. .. .                  | 4,91,300  | 4,91,300  | 0 0  |
| Do. 1959-61 .. .. .                                                | 11,00,000 | 10,56,687 | 8 0  |
| Do. 1970-75 .. .. .                                                | 15,67,000 | 14,70,878 | 13 0 |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 97,700    | 95,990    | 4 0  |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 4,00,000  | 3,86,500  | 0 0  |
| Total .. .. .                                                      | 38,95,600 | 37,21,622 | 14 0 |
| Special Reserve Fund—                                              |           |           |      |
| Madras 2½ per cent Loan, 1961 .. .. .                              | 28,000    | 28,140    | 0 0  |
| Madras 3 per cent Loan, 1960 .. .. .                               | 24,600    | 24,477    | 0 0  |
| Government of India 3 per cent C.L., 1946 .. .. .                  | 35,000    | 35,190    | 10 0 |
| Government of India 3 per cent Loan, 1957 .. .. .                  | 1,96,500  | 1,96,500  | 0 0  |
| Do. 1959-61 .. .. .                                                | 4,00,000  | 3,84,250  | 0 0  |
| Do. 1963-65 .. .. .                                                | 2,60,000  | 2,40,825  | 0 0  |
| Do. 1966-68 .. .. .                                                | 2,00,000  | 1,92,250  | 0 0  |
| Do. 1970-75 .. .. .                                                | 1,80,000  | 1,80,000  | 0 0  |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 25,400    | 24,955    | 8 0  |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 1,00,000  | 91,625    | 0 0  |
| Total .. .. .                                                      | 14,49,500 | 13,98,213 | 2 0  |
| Total, Papanasam .. .. .                                           | 53,45,100 | 51,19,836 | 0 0  |

## Madras Electricity System.

|                                                                    |             |             |      |
|--------------------------------------------------------------------|-------------|-------------|------|
| Depreciation Reserve Fund, 31st March 1954—                        |             |             |      |
| Madras 3½ per cent Loan, 1962 .. .. .                              | 8,87,900    | 8,65,702    | 8 0  |
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 18,00,000   | 17,29,125   | 0 0  |
| Do. 4 per cent Loan, 1960-70 .. .. .                               | 18,80,400   | 18,10,956   | 8 0  |
| Do. 3 per cent Loan, 1963-65 .. .. .                               | 11,20,000   | 10,87,800   | 0 0  |
| Do. 3 per cent Loan, 1970-75 .. .. .                               | 14,00,000   | 14,00,000   | 0 0  |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 7,93,800    | 7,79,908    | 0 0  |
| Mysore Government 4 per cent Loan, 1963 .. .. .                    | 5,00,000    | 4,97,500    | 0 0  |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 9,00,000    | 8,24,625    | 0 0  |
| Hyderabad State 4 per cent Loan, 1963 .. .. .                      | 5,00,000    | 4,97,500    | 0 0  |
| Total .. .. .                                                      | 97,82,100   | 95,93,117   | 0 0  |
| Special Reserve Fund—                                              |             |             |      |
| Government of India 3 per cent Loan, 1959-61 .. .. .               | 6,00,000    | 5,78,375    | 0 0  |
| Do. 1966-68 .. .. .                                                | 5,00,000    | 4,64,500    | 0 0  |
| Do. 1970-75 .. .. .                                                | 1,60,000    | 1,60,000    | 0 0  |
| Government of India 3½ per cent National Plan Bonds, 1961. .. .. . | 1,27,200    | 1,24,974    | 0 0  |
| Government Securities 2½ per cent Loan, 1963 .. .. .               | 1,00,000    | 91,625      | 0 0  |
| Total .. .. .                                                      | 14,87,200   | 14,17,474   | 0 0  |
| Total Madras system .. .. .                                        | 1,07,69,300 | 1,05,13,091 | 0 0  |
| Grand total .. .. .                                                | 5,02,01,500 | 4,86,85,014 | 13 0 |

## APPENDIX N.

## Percentage of progress on construction works in 1953-54.

| Serial number and name of scheme.                                   | Budget estimate for 1953-54. | Actuals during 1953-54. | Percentage. | Remarks.                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------|------------------------------|-------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                     | (In lakhs of rupees).        | (In lakhs of rupees).   |             |                                                                                                                                                                                                                                                                                                                                   |
| Pykara Plant Extension III and Final Stage.                         | 44.79                        | 67.66                   | 151         | For the first half of 1953-54, only an 'On Account' Grant was obtained. 50 per cent of the provision under each scheme made in the Budget Estimate for the Composite State is taken into account and added to the Budget Estimate for the second half of 1953-54. Actuals are the figures to end of March 1954 (IV supplemental). |
| Pykara-Coimbatore-Madura 110 K.V. third circuit line.               | 43.89                        | 84.10                   | 70          |                                                                                                                                                                                                                                                                                                                                   |
| South Kanara Scheme .. .. .                                         | 38.76                        | 11.34                   | 29          |                                                                                                                                                                                                                                                                                                                                   |
| 66 K.V. Extension to and construction of a sub-station at Pollachi. | 9.68                         | 3.70                    | 38          | Items 1, 5, 6 and 8.—The progress of work in the first half was greater than anticipated.                                                                                                                                                                                                                                         |
| 5 Madras-Mettur Inter-connexion Scheme.                             | 18.11                        | 29.51                   | 163         |                                                                                                                                                                                                                                                                                                                                   |
| 6 Erode-Tiruchirappalli-Dalmiapuram Extension.                      | 4.95                         | 5.42                    | 109         |                                                                                                                                                                                                                                                                                                                                   |
| 7 Erode-Salem Extension .. .. .                                     | 4.22                         | 3.09                    | 73          | Item 3.—Provision surrendered as materials such as transformers were not received in time.                                                                                                                                                                                                                                        |
| 8 Tanjore-Mayuram-Chidambaram Extension.                            | 3.98                         | 7.15                    | 180         |                                                                                                                                                                                                                                                                                                                                   |
| 9 Madurai Thermal Scheme .. .. .                                    | 10.69                        | 3.86                    | 36          |                                                                                                                                                                                                                                                                                                                                   |
| 10 Madurai-Tirumangalam-Rajapalayam-Tenkal Extension.               | 12.56                        | 9.69                    | 77          | Item 4.—Less expenditure due to diversion of transformers to other works.                                                                                                                                                                                                                                                         |
| 11 Madurai-Sivaganga Extension .. .. .                              | 6.57                         | 4.63                    | 70          |                                                                                                                                                                                                                                                                                                                                   |
| 12 Papanasam-Tirunelveli-Kayathar Extension.                        | 9.78                         | 7.21                    | 74          |                                                                                                                                                                                                                                                                                                                                   |
| 13 Madras Power Station Extension .. .. .                           | 112.49                       | 89.26                   | 79          | Item 9.—The difference is mainly due to large credits under 'Suspense' in the first half of 1953-54.                                                                                                                                                                                                                              |
| Total .. .. .                                                       | 325.47                       | 276.62                  |             |                                                                                                                                                                                                                                                                                                                                   |

MISCELLANEOUS



PUBLIC WORKS DEPARTMENT

(Electricity)

**G.O. No. 107, 11th January 1955**

Electricity Department—Administration Report for 1953-54—Recorded.

READ the following papers :—

From the Chief Engineer for Electricity, No. 1-Ad/54-61, dated the 29th June 1954, No. 1-Ad/54-81, dated the 17th September 1954 and No. 560/X/S-2/54, dated the 22nd November 1954.

**Order—No. 107, P.W. (Electricity), dated 11th January 1955.**  
Recorded.

2. This is the twenty-seventh Annual Report of the Government Electricity Department and it contains a record of progress of electricity development in the present Madras State comprising the Pykara, Mettur, Papanasam and the Madras Electricity Systems. The works included in the Five-Year Plan were in progress, viz., Papanasam II Stage Extensions, Madras Plant Extensions, Pykara III Stage Extensions, etc. The aggregate demand for power under the Government systems during the year under review was 151,924 K.W. as against 143,620 K.W. in 1952-53 and the total number of units generated was 758·7113 million units as against 701·66 million units in 1952-53. The gross revenue realized by the department during the year was Rs. 480·51 lakhs, while the net revenue realized before deducting interest charges was Rs. 169·57 lakhs which yielded a return of 5·8 per cent on the capital outlay as at the end of 1953-54. The net profit earned by the department during the year after meeting interest charges was Rs. 49·63 lakhs or 1·7 per cent on the capital outlay. The number of units generated at the various stations were as follows :—

|                                                | Year of operation. | Number of units generated (in millions). |
|------------------------------------------------|--------------------|------------------------------------------|
| Hydro-Electric—                                |                    |                                          |
| 1 Pykara .. .. .                               | Twenty-first       | 199·4880                                 |
| 2 Moyar .. .. .                                | Second             | 85·9020                                  |
| 3 Mettur .. .. .                               | Seventeenth        | 193·2772                                 |
| 4 Papanasam .. .. .                            | Tenth              | 98·1783                                  |
| Thermal (Steam)—                               |                    |                                          |
| 5 Madras .. .. .                               | Seventh            | 152·9980                                 |
| 6 Madurai .. .. .                              | Fourth             | 27·5086                                  |
| Thermal (Diesel)—                              |                    |                                          |
| 7 Udipi .. .. .                                | Third              | 0·4532                                   |
| 8 Karkala .. .. .                              | Do.                | 0·0650                                   |
| Power purchased from Mysore and other sources— |                    |                                          |
| 9 Kollegal .. .. .                             | Sixth              | 0·5605                                   |
| 10 Fort Cochin .. .. .                         | Third              | 0·2805                                   |

3. Capital expenditure during the year on projects and extensions under construction totalled about Rs. 453 lakhs. The following construction works were completed during the year :—

(i) The erection of one 10,000 K.W. turbo-alternator set and the two boilers each of 55,000 lbs./hr. capacity in the Madurai Thermal Station was completed and the plant commissioned.

(ii) The third boiler of 80,000 lbs./hr. capacity under the Madras Plant Extensions—I Stage was commissioned.

(iii) The Erode-Tiruchi-Dalmiapuram Extension scheme was completed and put into service.

(iv) The operating voltage of the Madras-Mettur Inter connection was changed over from 66 K.V. to 110 K.V.

4. No new electrical undertaking was acquired by the Government during the year. As the Madras Electricity Supply Undertakings (Acquisition) Act, 1949, was held void by the Supreme Court, action was initiated by the Government to undertake fresh legislation for acquisition of electrical undertakings in the State.

5. Due to low water storage position in the hydel reservoirs, the 66-2/3 per cent cut in power consumption imposed in March 1953, on all but essential consumers in the hydro-electric areas was continued and further raised to 75 per cent from 16th April 1953. Later, on improvement of the position, the cut was gradually reduced until it was completely removed with effect from 5th July 1953. The water storage position continued to be satisfactory from July 1953 onwards.

6. The 10 per cent war costs surcharge and the 10 per cent hydro-electric surcharge on all supplies continued to be in force in the hydro-electric systems. In the Madras System, the surcharges in force were slightly revised to provide for the levy of a 20 per cent surcharge on all low tension consumers while the high tension consumers continued to pay the fuel surcharge.

7. The restriction and control and freezing orders continued to be in force.

8. Priority was continued to be given to schemes for agricultural pumping and 1,030 irrigation pumpsets were connected up by the Department and 579 by licensees during the year. Supply was extended to 71 villages by the department and 49 villages by the licensees during the year. The total mileage of the Departmental transmission and distribution lines in operation during the year was 10,557 comprising 5,419 miles H.T. lines and 5,138 miles of L.T. lines.

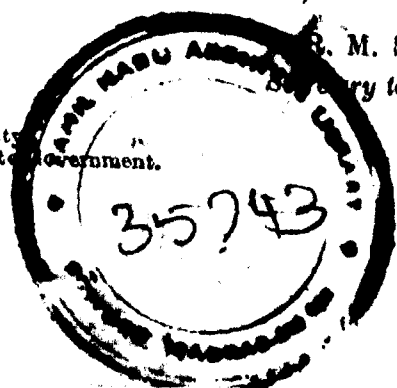
9. The Governor of Madras places on record his appreciation of the continued good work done by the Electricity Department during the year.

R

(By order of the Governor)

B. M. SUNDARAM,  
Secretary to Government.

To the Chief Engineer for Electricity  
 „ the Chief Electrical Inspector to Government.  
 „ the Public Department.



R. 89