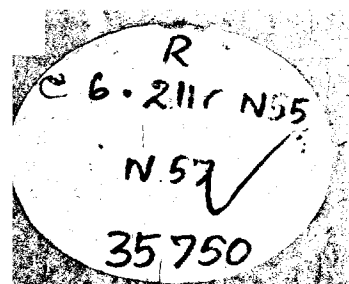


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Administration Report of the
Electricity Department

1955-56





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ADMINISTRATION REPORT
OF THE
ELECTRICITY DEPARTMENT
FOR 1955-56

A.S.O. (A)

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THE SUPERINTENDENT
GOVERNMENT PRESS
MADRAS
1957

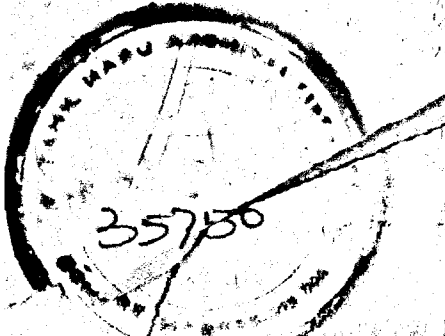
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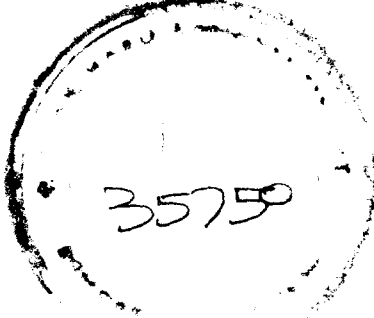
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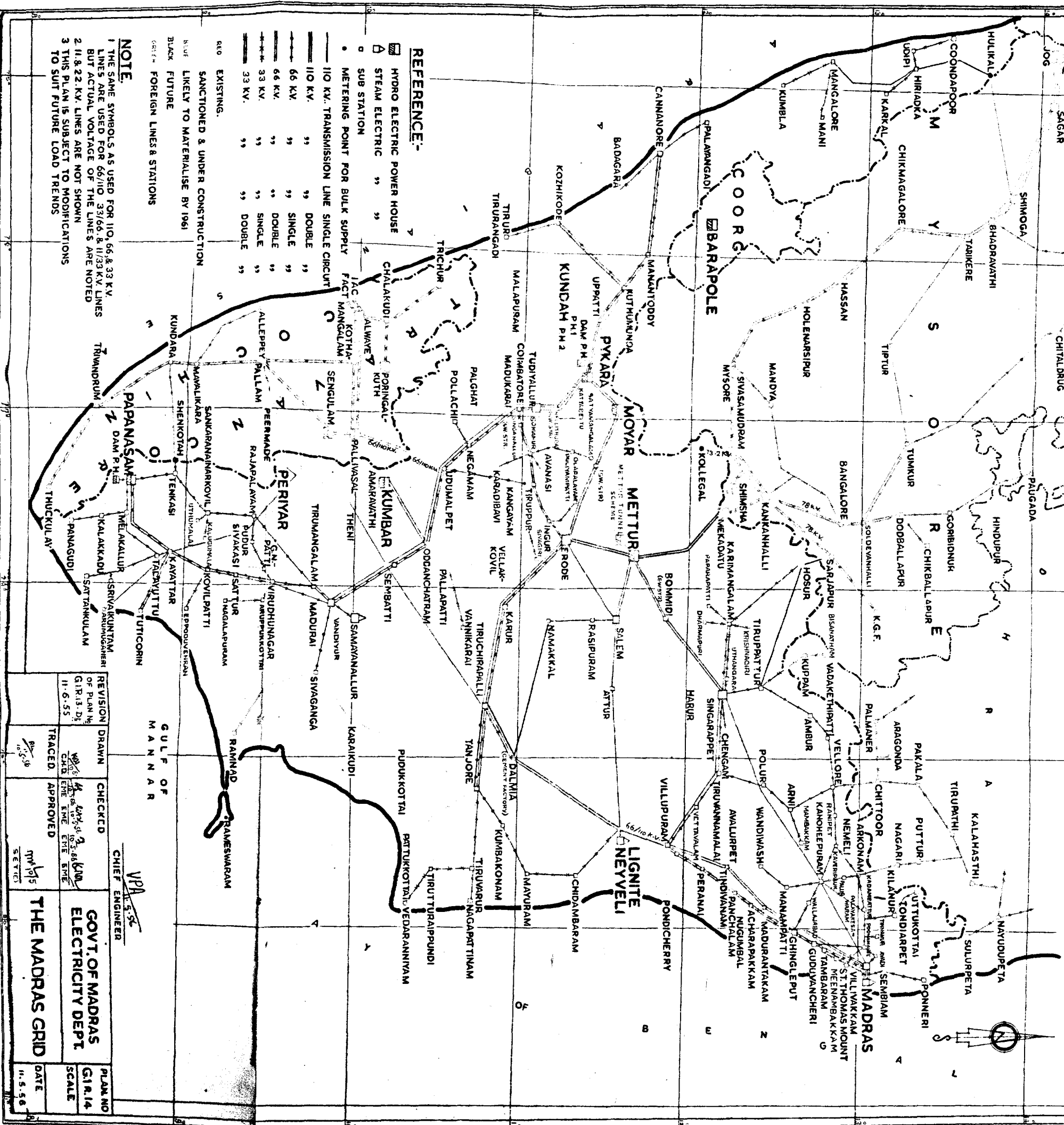
THE MADRAS GRID

SCALE IN MILES



SL. NO.	NAME OF POWER STATION	INSTALLED CAPACITY INCLUDING STAND BY PLANT	
		K.W.	K.W.
1.	PYKARA (A) EXISTING	70,000	73,000
2.	METTUR	40,000	40,000
3.	PAPANASAM	28,000	32,000 +
4.	MADRAS	57,500	87,500
5.	MOYAR	36,000	36,000
6.	MADURAI	14,000	14,000
(B) UNDER CONSTRUCTION		INITIAL	
1.	PERIYAR	105,000	140,000
2.	KUNDAM	180,000	375,000
(C) FUTURE			
1.	METTUR TUNNEL SCHEME	200,000	200,000
2.	KUMBAR AMARAVATHI	45,000	45,000
3.	LIGNITE NEVELI	200,000	200,000

NOTE: INCLUDING PYKARA DAM POWER HOUSE 3000 K.W.
+ INCLUDING PAPANASAM DAM POWER HOUSE 4000 K.W.



REFERENCE:-

- HYDRO ELECTRIC POWER HOUSE
- STEAM ELECTRIC
- SUB STATION
- METERING POINT FOR BULK SUPPLY
- FACTORY
- 110 KV. TRANSMISSION LINE SINGLE CIRCUIT
- 110 KV. " " " " " "
- 66 KV. " " " " " "
- 66 KV. " " " " " "
- 33 KV. " " " " " "
- 33 KV. " " " " " "
- EXISTING.
- SANCTIONED & UNDER CONSTRUCTION
- LIKELY TO MATERIALISE BY 1961
- BLACK FUTURE
- FOREIGN LINES & STATIONS

NOTE

- 1 THE SAME SYMBOLS AS USED FOR 110, 66 & 33 KV. LINES ARE USED FOR 66/110, 33/66 & 11/33 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

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GOVT. OF MADRAS
ELECTRICITY DEPT

THE MADRAS GRID

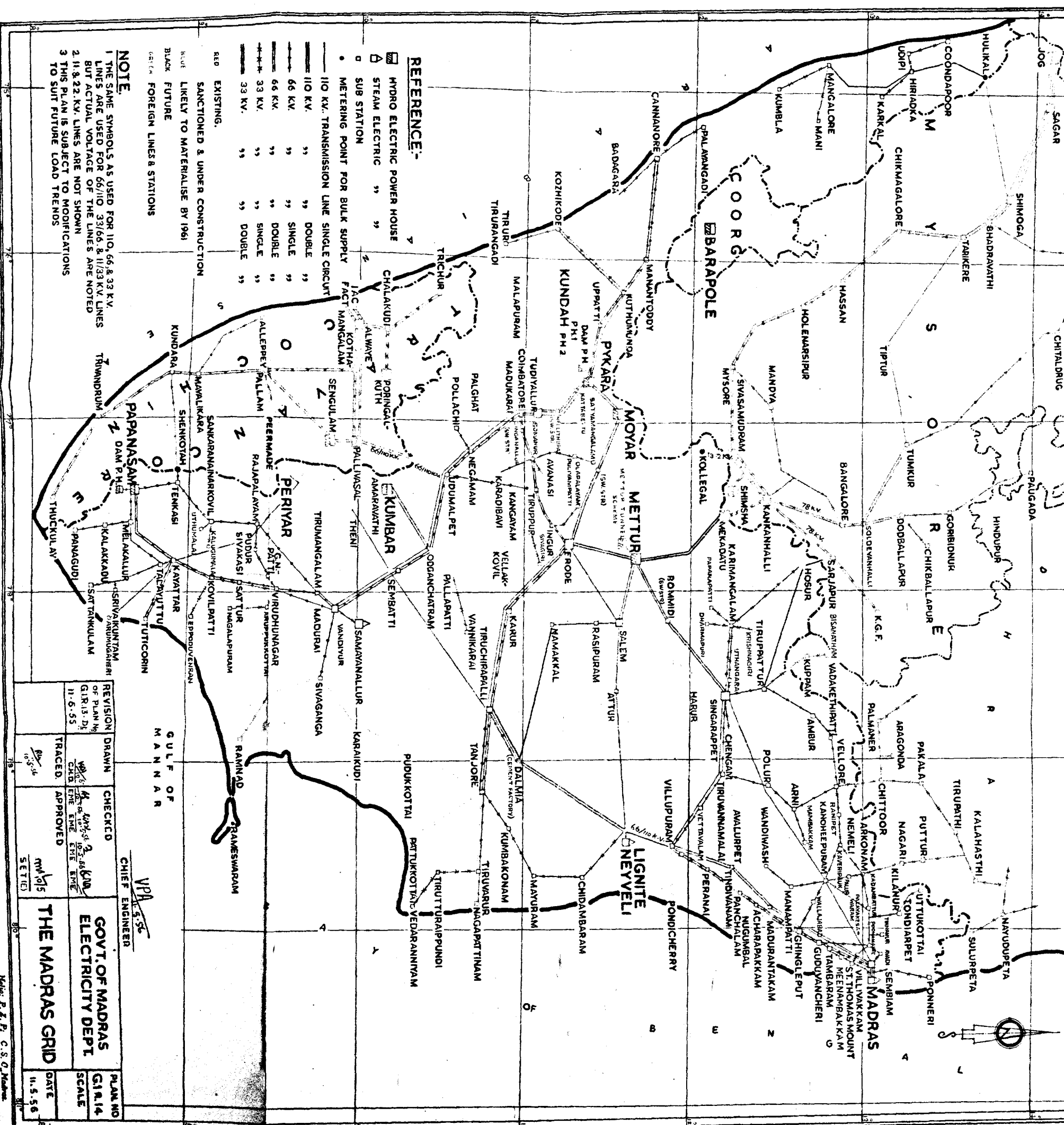
THE MADRAS GRID

SCALE IN MILES:-



SL. NO.	NAME OF POWER STATION	INSTALLED CAPACITY INCLUDING STAND BY PLANT K.W.	ULTIMATE K.W.
(A) EXISTING			
1.	PYKARA	70,000	73,000
2.	METTUR	40,000	40,000
3.	PAPANASAM	28,000	32,000 +
4.	MADRAS	57,500	87,500
5.	MOYAR	36,000	36,000
6.	MADURAI	14,000	14,000
(B) UNDER CONSTRUCTION			
1.	PERIYAR	105,000	140,000
2.	KUNDAM	180,000	375,000
(C) FUTURE			
1.	METTUR TUNNELSCHEME	200,000	200,000
2.	KUMBAR AMARAVATHI	45,000	45,000
3.	LIGNITE NEYVELI	200,000	200,000

NOTE:-
+ INCLUDING PYKARA DAM POWER HOUSE 3000 K.W.
+ INCLUDING PAPANASAM DAM POWER HOUSE 4000 K.W.



REFERENCE:-

- HYDRO ELECTRIC POWER HOUSE
- STEAM ELECTRIC
- SUB STATION
- METERING POINT FOR BULK SUPPLY
- 110 KV. TRANSMISSION LINE SINGLE CIRCUIT
- 110 KV. " " " " DOUBLE " "
- 66 KV. " " " " SINGLE " "
- 66 KV. " " " " DOUBLE " "
- 33 KV. " " " " SINGLE " "
- 33 KV. " " " " DOUBLE " "
- RED EXISTING.
- SANCTIONED & UNDER CONSTRUCTION
- BLACK FUTURE
- FOREIGN LINES & STATIONS

NOTE.

- 1 THE SAME SYMBOLS AS USED FOR 110, 66 & 33 KV. LINES ARE USED FOR 66/110, 33/66 & 11/33 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

GULF OF MANNAR

CHIEF ENGINEER

GOVT. OF MADRAS
ELECTRICITY DEPT.

THE MADRAS GRID

DATE 11.5.56

CONTENTS

SECTION I—GENERAL REVIEW.

PARAGRAPH	PAGE
1 Introduction	1
2 Salient features	2
3 Load development	2
4 Madras Power Grid	3
5 Financial results	4
6 Number of consumers	5
7 Transmission lines and sub-stations	5
8 Agricultural development	6
9 Rural Welfare Schemes	7
10 Construction activities	7
11 New schemes sanctioned	7
12 Programme for 1956-57	7
13 Power demand	8
14 Electrical Inspectorate and licensees	9
15 The Madras Electric Supply Undertakings (Acquisition) Act, 1954	9
16 Organization	10
17 Foreign training	10
18 Accounts Branch	11

SECTION II—DETAILED REPORT.

(CONSTRUCTION ACTIVITIES.)

19 General	26
20 New schemes sanctioned	26
21 Schemes in progress	27
22 Accidents	28
23 Problems faced by the Department	28
24 Construction programme for 1956-57	28

PERIYAR HYDRO-ELECTRIC SCHEME.

25 General	28
--------------------	----

KUNDAL HYDRO-ELECTRIC SCHEME.

26 General	30
--------------------	----

TECHNICAL BRANCH.

27 General	31
--------------------	----

OPERATING SYSTEMS BRANCH.

28 General	34
--------------------	----

GENERATION CIRCLE—HYDRO-SYSTEMS.

29 General	35
30 Pykara Station	36
31 Mayar Station	37
32 Mettur Power Station	37

PARAGRAPH	PAGE
GENERATION CIRCLE—HYDRO-SYSTEMS—cont.	
33 Papanasam Station	38
34 Madurai Thermal Station	38
85 Programme for 1956-57	39
PYKARA SYSTEM.	
36 General	39
37 Load development	41
38 Financial results	42
39 Connected load	42
40 Transmission lines	43
41 Extra high-tension and high-tension sub-stations	43
42 Coimbatore Receiving Station	44
43 Agricultural services	44
44 Commercial activities	44
45 Community Projects, Community Development Blocks and National Extension Services	45
46 Meter, relay test and special maintenance	45
47 Interruptions and breakdowns	46
48 Udipi and Karkala undertaking	46
49 Kollegal distribution	46
50 Programme for 1956-57	46
METTUR SYSTEM.	
51 General	47
52 Load development	47
53 Financial results	48
54 Connected load	48
55 Transmission lines and sub-stations	49
56 Extra high-tension and high-tension sub-stations	49
57 Distribution	50
58 Agricultural services	50
59 Rural industries	50
60 Community Projects, Community Development Blocks and National Extension Services	50
61 Meter, relay test and special maintenance	51
62 Interruptions and breakdowns	51
63 Workshops	51
64 Programme for 1956-57	51
PAPANASAM SYSTEM.	
65 General	52
66 Load development	52
67 Financial results	53
68 Connected load	53
69 Transmission lines	54
70 Extra high-tension and high-tension sub-stations	54
71 Distributions	54
72 Commercial activities	54
73 Community Projects, Community Development Blocks and National Extension Services	54
74 Agricultural services	55
75 Meter, relay tests and special maintenance	55
76 Interruptions	55

PARAGRAPH	PAGE
PAPANASAM SYSTEM—cont.	
77 Programme for 1956-57	55
MADRAS SYSTEM—GENERATION CIRCLE.	
78 General	56
79 Power stations	56
80 Load development	57
81 Programme of construction for 1956-57	57
MADRAS SYSTEM—DISTRIBUTION CIRCLE.	
82 General	57
83 Agricultural services	58
84 Load development	58
85 Financial results	58
86 Connected load and number of consumers	59
87 Transmission lines, sub-stations and distributions	59
88 Extensions	60
89 Community Projects, Community Development Blocks and National Extension Services	61
90 Commercial activities	62
91 Programme for 1956-57	62
ELECTRICAL INSPECTORATE AND LICENSEES.	
92 Electrical undertakings	62
93 Nationalization	64
94 Indian Electricity Act and Rules	64
95 Street lighting	65
96 Tariffs	65
97 Inspections	65
98 Administration of the Electricity (Supply) Act, 1948	65
99 Restrictions and control and freezing orders	66
100 Supply position in licensees' areas	66
101 Assistance to licensees with regard to procurement of iron and steel materials	66
102 Laboratory	67
103 Laboratory tests	67
104 Administration of Local Authorities Electrical Undertakings	68
105 Cinematograph Act and Rules	68
106 Cinema Operator's licence	68
107 Administration of the Madras Electricity Duty Act, 1939	68
108 The Madras Electricity Department Journal	68
109 Revenue and expenditure	69
110 Accidents	69
111 Staff	70
112 Acknowledgment	71

CONTENTS

PAGE

APPENDICES.

APPENDIX A.

List of works undertaken with expenditure to end of March 1956 72

APPENDIX B.

Budget provision for Capital Works in 1956-57 76

APPENDIX C.

Details of establishment charges and fees earned during 1955-56 and estimated for 1956-57 77

APPENDIX D-1.

List of electric supply undertakings in service on 31st March 1956 79

APPENDIX D-2.

Licensees under construction 79

APPENDIX D-3.

New applications for licences received 79

APPENDIX D-4.

List of undertakings put into service 79

APPENDIX D-5.

List of licensees who reduced their tariffs 79

APPENDIX D-6.

List of licensees who increased their tariffs 79

APPENDIX D-7.

List of licensees charging more than 6 annas per unit for lighting and fans 79

APPENDIX E.

Total capacities of plants installed in electric supply undertakings in service in the State. 79

APPENDIX F-1.

Table of electric supply, cost and records—Company licensees 81

APPENDIX F-2.

Table of electric supply costs and records—Local authorities 88

APPENDIX F-3.

Statistical data for the administration report for the year ending 31st March 1956 (Company licensees) 90

APPENDIX F-4.

Statistical data for the administration report for the year ending 31st March 1956 (Local authorities) 96

APPENDIX F-5.

Classification of units sold by licensees—Companies 99

APPENDIX F-6.

Classification of units sold by licensees—Local authorities 99

APPENDIX F-7.

Statement showing total number of units sold under various categories 100

CONTENTS

PAGE

APPENDIX G-1.

List of high-tension consumers supplied directly by the Electricity Department—

Pykara System 106

APPENDIX G-2.

Mettur System 107

APPENDIX G-3.

Papanasam System 108

APPENDIX G-4.

Madras System 108

APPENDIX G-5.

List of textile mills and other high-tension consumers in licensees' areas 109

APPENDIX H-1.

List of villages and towns supplied with electricity by the Government Electricity Department 112

APPENDIX H-2.

List of villages and towns supplied with electricity by licensees 130

APPENDIX I.

List of power-houses, extra high-tension, high-tension and distribution transformer stations—

1 Pykara System 156

2 Moyar Station 156

3 Mettur System 157

4 Papanasam System 158

5 Madras System 159

APPENDIX J.

Consolidated balance sheet as on 31st March 1955 161

APPENDIX K.

List of staff employed 169

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, 1954 170

APPENDIX M.

Details of investments 170

APPENDIX N.

Percentage of progress on construction works in 1955-56 173

APPENDIX O.

Line and transformer losses (in millions of units)—1955-56 174

APPENDIX P.

Utilization of power (in millions of units) and revenue by sale of power (in lakhs of rupees), 1955-56 174

B.A.B.—B

FACING
PAGE

LIST OF ILLUSTRATIONS.

(i) The Madras Grid Map	Frontis piece.
(ii) Chart I indicating the growth of revenue and demand, 1927-56	1
(iii) Chart II showing the hydro and thermal power generation in Madras State, 1932-56	2
(iv) Chart III showing "how power is generated" and "how power is utilised" in the Madras State during 1955-56	3
(v) Chart IV showing organization of the Department	9
(vi) Pykara dam view from the downstream side	28
(vii) Pykara dam view from the upstream side	28
(viii) Periyar Hydro-Electric Scheme—A view of forebay dam	29
(ix) Periyar Hydro-Electric Scheme Power tunnel	29
(x) Periyar Hydro-Electric Scheme Penstocks grading	29
(xi) Periyar Hydro-Electric Scheme Power House Excavation from northern corner of Power House	29
(xii) Kundah Hydro-Electric Scheme—	
(1) Kundah Hydro-Electric Scheme—Location, General plan and profile ..	30
(2) Emerald Dam site	30
(3) Kundah Power House I Site	30
(4) Kundah Power House II Site	30
(xiii) 110 KV. switching station at Tudiyalur	40
(xiv) Testing of 132 KV. tower at Mettur Workshop	51
(xv) Talayuthu Sub-station	52
(xvi) Basam Bridge 'B' Station, turbine floor with 2 Nos. 15 MW. sets	56
(xvii) 33/11 KV. sub-station at Kilanur	61

ADMINISTRATION REPORT OF THE ELECTRICITY DEPARTMENT FOR THE YEAR 1955-56.

SECTION I—GENERAL REVIEW.

Introduction.—The report under review is the twenty-ninth annual report of the Electricity Department for the year 1955-56.

The year being the final year of the First Five-Year National Plan saw the achievement of several record results.

(During the year under review 1,054.63 million units were generated exceeding the previous year's production by 13 per cent. The year 1955-56 was significant in many ways.)

(i) The capital expenditure on new projects and extensions totalled to Rs. 11.07 crores which is a record figure for the present Madras State.

(ii) The gross and net revenue earned by the department rose to Rs. 703.08 lakhs and Rs. 252.92 lakhs from Rs. 597 lakhs and Rs. 220 lakhs respectively.

(iii) The preliminary works in connexion with the Kundah Hydro-Electric Scheme (the biggest scheme undertaken by the department) were taken up this year though the scheme is included in the Second Five-Year Plan.

(iv) Annual primary power and energy requirements for all systems exceeded those of last year by over 14 per cent, i.e., power demand rose to 208,629.5 KW. from 181,699 KW. and energy generated rose to 1,054.63 million units from 933.67 million units.

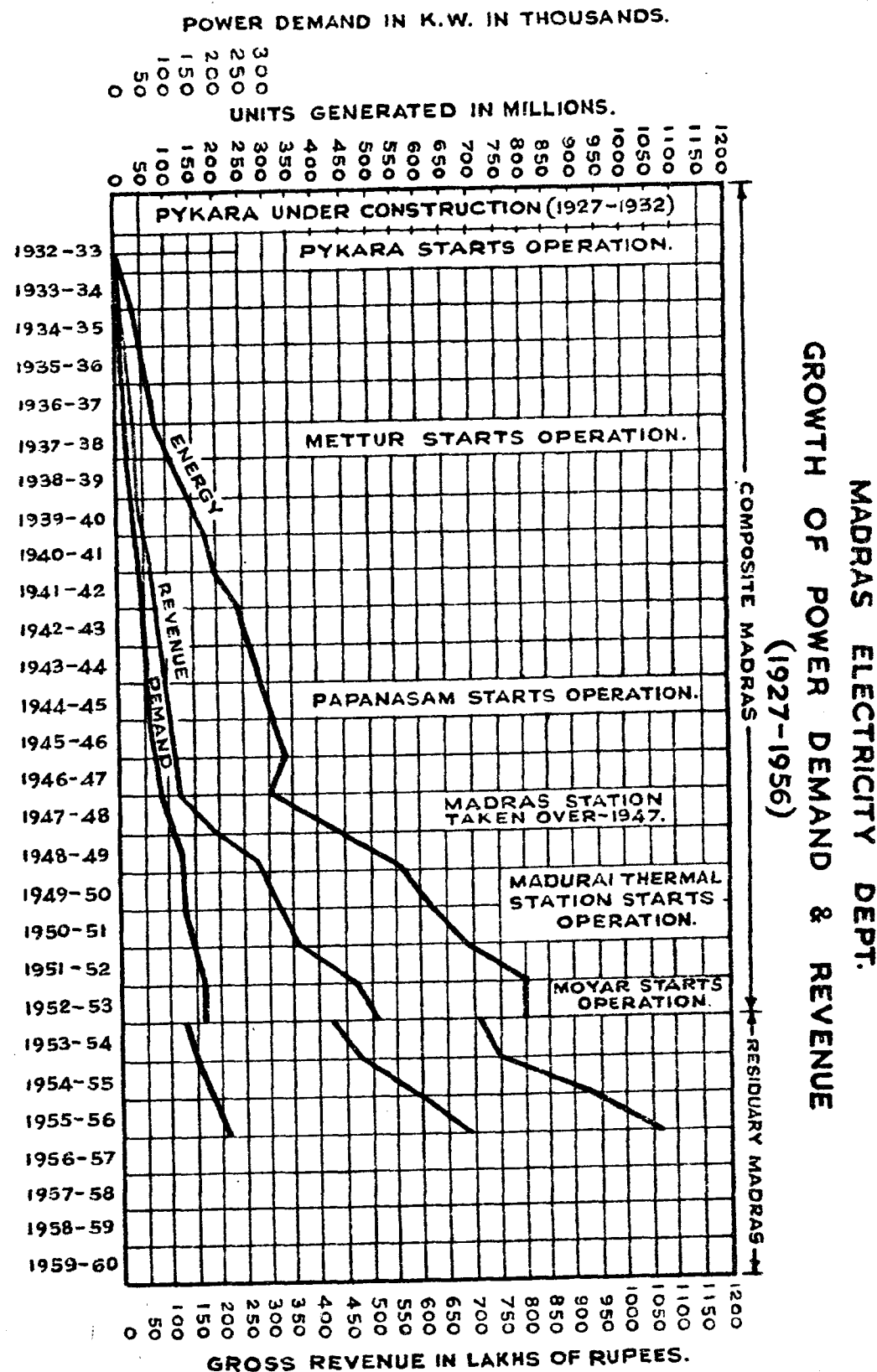
(v) The activities in the direction of rural electrification received considerable impetus and electricity was extended to 870 villages and towns and 7,962 agricultural pump sets were connected up in the State during the year. The villages and towns electrified and pump sets connected up in the State so far number 2,631 and 27,631 respectively.

(vi) In October 1955, Government cancelled the scheme of Voluntary Loan Contribution and ordered the refund of the loan amounts already collected from the agricultural consumers. The total amount of loan collected to end of October 1955 was Rs. 38.70 lakhs out of which a sum of Rs. 10.57 lakhs representing the loan from agricultural consumers was refunded.

(vii) The financial position being satisfactory commercial activities were carried on with increased tempo and construction works under various extensions were in full swing.

(viii) The following electrical undertakings were taken over by the Government during the year:—

- (1) Bodinayakanur Municipal Electrical Undertaking,
- (2) Palghat Electric Supply Corporation,
- (3) Tiruppattur Municipal Electrical Undertaking,
- (4) Carnatic Electric Supply Corporation (Ambur-Vaniyambadi Licensee),
- (5) East Ramnad Electric Supply Corporation, and
- (6) Chingleput Electric Supply Company.



2. *Salient features.*—The following were the salient features in the administration of the department during the year :—

(1) Works in connexion with Periyar Hydro-Electric Scheme were in progress. Preliminary works in respect of Kundah Hydro-Electric Scheme were under progress. The Kundah Hydro-Electric Scheme is programmed to be inaugurated on 29th June 1956 by Sri C. D. Deshmukh, Minister for Finance, Central Government.

(2) A 6 M.V.A. M.V. make 110/66 KV. auto-transformer was installed at Coimbatore Receiving Station and energized on 21st February 1956.

(3) The Erode-Salem 66 KV. line was changed over to 110 KV. operation on 29th January 1956.

(4) Talayuthu and Sankarankoil sub-stations were energized at 66 KV. on 17th April 1955 and 9th April 1955 respectively.

(5) Due to failure of monsoon the water position in the hydel reservoirs was unsatisfactory. Except for some restriction in the peak load hours, etc., there was no power cut in the hydro or in thermal areas during this year.

3. *Load Development.*—As in the previous years, the demand for power for industrial and agricultural purposes continued to be on the increase. Rural electrification works and works in the areas of community projects, community development blocks and National Extension Services were in full swing during the year.

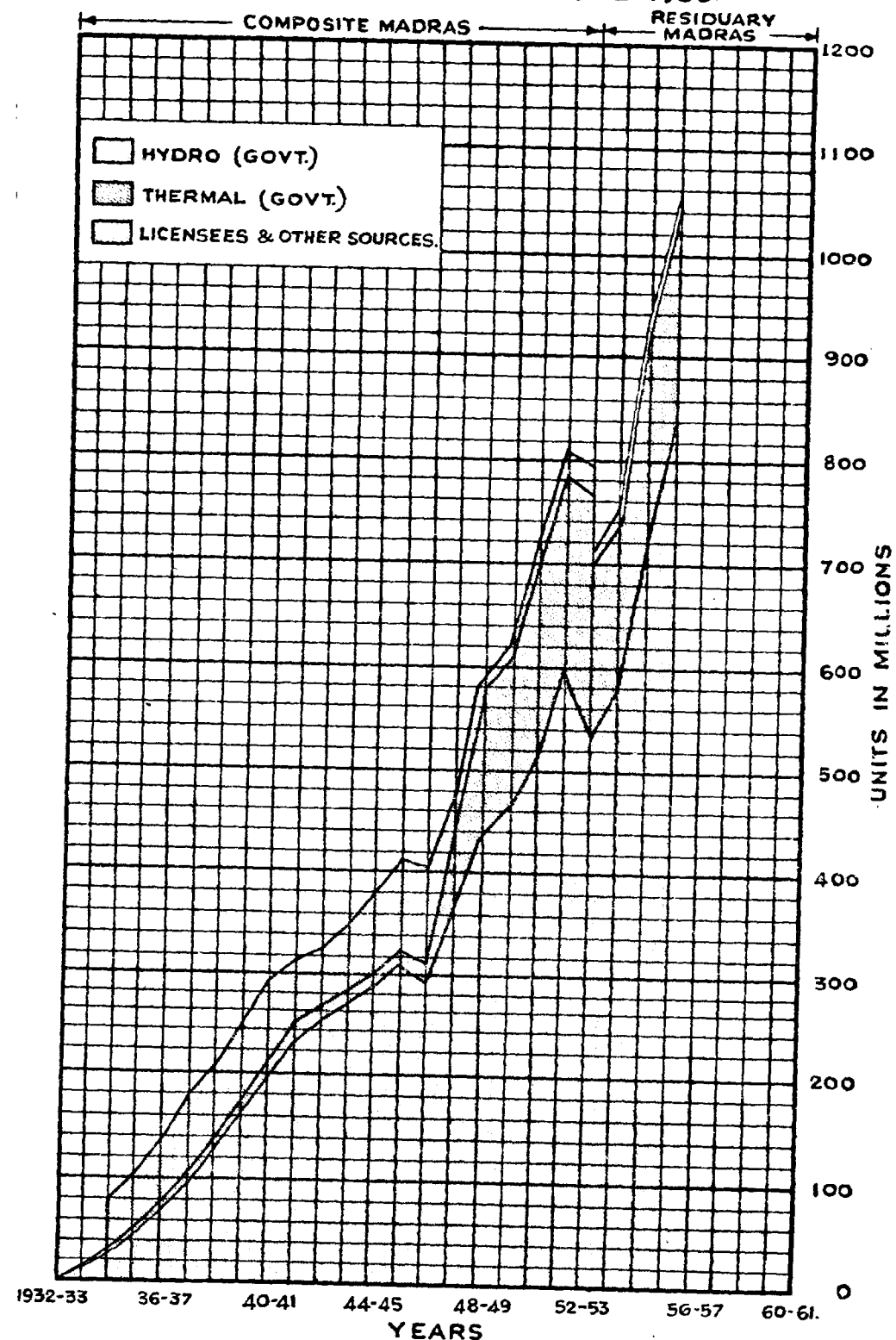
The aggregate of the power demands on the Government systems was 208,629.5 KW. and the units generated 1,054.63 millions (including power purchased from Mysore, etc.). Details are furnished hereunder :—

Name of system.	System demand in KW.	Generation in millions of units.
I. Hydro-electric—		
1 Pykara	71,200	355.35
2 Mettur	69,500	+ 151.72 (Moyar).
3 Papanasam	28,500	213.76
		119.85
		+ 28.41
		(Madurai Thermal Station).
II. Thermal (steam)—		
Madras	38,800	183.25
III. Thermal (diesel)—		
Udipi and Karkala	442	0.94
IV. Power purchased from Mysore and other sources—		
1 Kollegal	247.5	0.89
2 Fort Cochin	140.0	0.46
Total ..	208,629.5	1,054.63

Figures for power generation in the State including licensees are as follows :—

Sources of generation.	Generation in millions of units.	Percentage of total.
I. Government—		
1 Hydro-electric	840.68	79.4
2 Thermal (steam)	211.66	19.99
3 Thermal (diesel)	0.94	0.09
4 (i) Purchased from Mysore	0.89	0.13
(ii) Other sources	0.46	
5 Licensees (thermal)	4.17	0.39
Total ..	1,058.80	100.00

HYDRO & THERMAL POWER GENERATED IN MADRAS STATE 1932-1956.



A graph showing hydro and thermal power generated in Madras State from the inception of the department (i.e., from 1932 to 1956) faces this page.

The total generation in the State was 1,058.80 million units against 937.84 million units in the previous year showing a phenomenal increase of 13 per cent over last year. It may also be seen from the above figures that almost the entire power generation in the State was by the department. Power generated was utilized as under :—

Serial number.	Use.	Percentage of total power utilized.
1	Industrial supplies	58.0
2	Irrigation and agriculture	14.1
3	Domestic heat, power lights and fans	14.3
4	Commercial heat, power lights and fans	7.6
5	Street lighting	1.8
6	Traction	1.5
7	Miscellaneous	2.7
Total		100.0

Two charts showing the power generation and power utilization in the State during 1955-56 face this page.

4. *Madras Power Grid.*—The grid map on the frontispiece indicates the existing power stations, interconnecting and important transmission lines down to 33 KV. Those existing, those under execution, those likely to materialise by 1961 and those projected for construction in the future are shown in the grid. It links the four hydro-electric power stations and two thermal (steam) stations with a net work of 7,343 miles of high-tension lines and 8,128 miles of low-tension distribution lines and covers all the districts of the State except South Kanara which will be supplied by the Jog Scheme of Mysore for which a 110 KV. line was under construction from Mysore border to Mangalore.

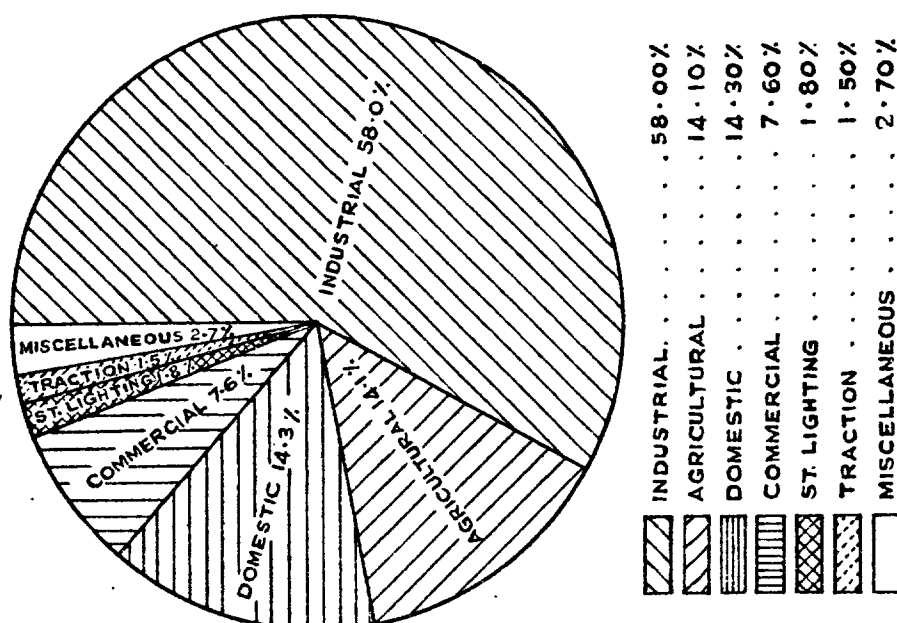
(During the year when there was failure of monsoon, the inter-connexion between the hydro-power stations themselves and with the thermal stations at Madras and Madurai proved its value in ensuring continuous power supply in deficit areas. During this year also all the systems were more or less working in parallel with the Madurai thermal station being pressed into service only during the non-irrigation period.)

Due to water shortage in the hydel reservoirs a cut of 25 per cent in consumption of electricity was contemplated to be enforced from 1st April 1956. Madras availed relief from Mettur to the extent of 41.13 million units mostly during the irrigation season while Madras exported to Mettur 36.85 million units.)

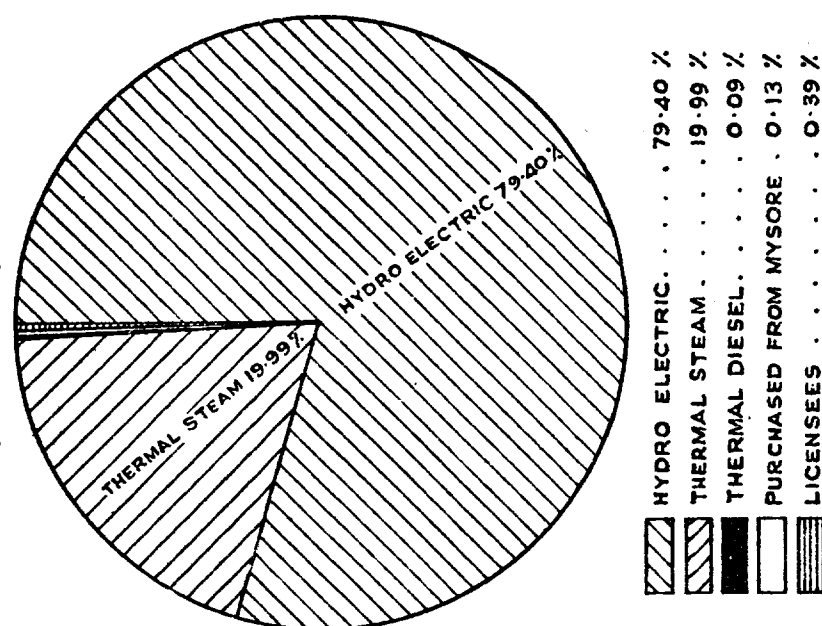
5. *Financial results (1955-56).*—The gross revenue earned by the departmental undertakings in operation during 1955-56 was Rs. 703.08 lakhs as against Rs. 597.25 lakhs in 1954-55 in the State registering an increase of 18

E.A.R.—1A

HOW POWER IS UTILISED (1955-56)



HOW POWER IS GENERATED (1955-56)



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

per cent. Details of capital outlay, gross revenue, working expenses and net revenue of the systems are furnished hereunder :—

Name of system. (1)	Year of operation. (2)	Total capital outlay. (3) RUPEES IN LAKHS.	Gross revenue. (4) RUPEES IN LAKHS.	Total working expenses. (5) RUPEES IN LAKHS.	Net revenue. [col. (4) — col. (5).] (6) RUPEES IN LAKHS.
I. Hydro-electric System—					
1 Pykara Electricity System.	Twenty-third.	1,581.79	222.79	113.13	109.66
2 Mettur Electricity System.	Nineteenth.	1,008.13	167.50	121.62	45.88
3 Papanasam Electricity System.	Twelfth ..	818.76	87.04	63.59	23.45
II. Thermal—					
Madras Electricity System.	Ninth ..	1,194.58	225.75	151.82	73.93
Total ..		4,603.26	703.08	450.16	252.92

The return on capital in operating system works out to 5.5 per cent.

The receipts from the Inspectorate amounted to Rs. 14.84 lakhs made up of Rs. 13.6 lakhs from the Electricity Duty Rs. 0.96 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.

6. *Number of consumers.*—There were 426,786 consumers at the end of 1955-56 served by all electrical undertakings in the State including Government areas.

421,519 consumers were in the areas served by power generated from Government undertakings of whom 240,077 were served directly by the Electricity Department and the rest 181,442 by licensees distributing Government power. The balance of consumers, viz., 5,267 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.
<i>Areas served by Government directly or through licensees.</i>			
Hydro-electric—			
1 Pykara	73,492	28,739	..
2 Mettur	44,190	114,219	..
3 Papanasam	58,064	38,484	..
Thermal—			
Madras	63,700	..	..
Power purchased from outside—			
Kollegal	631	..	..
Total	240,077	181,442	..
Served by self-generating licensees	..	..	5,267
Grand total	..	..	426,786

Supply was extended to 870 villages and towns by the department and to 75 villages by the licensees during the year.

The total number of villages and townships having electric supply at the end of 1955-56 was 3,320 and 223 respectively. The number of villages supplied by the department and by the licensees are shown below :—

	Number of villages.	Number of towns.
Supplied by the department	2,490*	141*
Supplied by the Licensees	830	82
Total	3,320	223

* Eighty-one villages and 15 towns were taken over from the licensees' area and included in the departmental figures since six licensees were taken over during the year.

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.

7. *Transmission lines and sub-stations.*—The route mileage of Government transmission and distribution net work increased by 3,525 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 to the nearest mile :—

Name of system/circle.	Number of route miles.		Total.
	H.T.	L.T.	
1 Pykara	2,422	3,502	5,924
2 Mettur	2,302	2,096	4,398*
3 Papanasam	1,329	1,375	2,704*
4 Madras	836	1,155	1,991
5 Generation Circle, Erode	454	..	454
Total	7,343	8,128	15,471*

* The total does not include the length of lines taken over from the licensees during the year.

Details of power transformers installed, number of sub-stations, etc., are furnished below :—

				<i>E.H.T. and H.T. Transformer stations.</i>			
				66 and 110 K.V.		22 and 33 K.V.	
				Number.	Capacity. K.V.A.	Number.	Capacity. K.V.A.
1 Pykara	..	..	..	15	119,250	3	5,000
2 Mettur	..	..	..	19	141,500	10	19,500
3 Papanasam	..	..	..	12	64,750	7	25,350
4 Madras	..	..	..	26	23,000	2	41,850
Total	..	..	..	48	348,500	46	91,700

N.B.—The statement does not include transformers in power houses.

In addition to the above there were the following D.C. sub-stations in Madras System :—

	Installed capacity. KW.
Rectifier stations 6 Nos.	4,000
Rotary Converter stations 6 Nos.	13,500

The total number of distribution transformers in the department was 3,773 with an aggregate capacity of 269,646 KVA. This does not include the transformers taken over from the licensees during the year.

8. *Agricultural development.*—As in the previous years top priority was given in giving supply to agricultural loads. During the year 7,962 agricultural pump sets were connected up by the department and 514 by licensees and the achievement made by the department is remarkable when compared to 3,460 pump sets connected in 1954-55. Details of agricultural services with their connected load in the different areas at the end of 1955-56 are given below :—

Name of system.	Number of services connected in 1955-56.	Connected load in K.W.	Total number of services at the end of the year.	Total connected load in K.W. at the end of 1955-56.
(1)	(2)	(3)	(4)	(5)
1 Pykara	3,388	14,256.4	* 12,720	56,305.9
2 Mettur	2,460	8,358.0	8,423	34,063
3 Papanasam	1,161	3,753.0	3,760	† 12,173
4 Madras	953	3,471.9	2,728	11,993.9
Total ..	7,962	29,839.3	27,631	114,535.8
Licensees distributing Government power.	514	2,225	4,809	23,116.0
Grand total ..	8,476	32,064.3	32,440	† 137,651.8

* One hundred and fifty-seven numbers disconnected during the year.

† Does not include 157 pumpsets with a connected load of 856.5 h.p. taken over from the licensee.

9. *Rural Welfare Schemes.*—The financial position being satisfactory work on rural electrification was carried on vigorously. In view of the great importance attached to rural development by the Government of India and Madras a special drive was made during the year to connect as many villages as possible. The number of villages electrified during the year was 870 which exceeded the target figure.

The table below indicates the activities of the department in the areas of Community Projects, Community Development Blocks and National Extension Services :—

(1)	Schemes completed. (2)	Schemes under progress. (3)	Schemes to be taken up. (4)
Community Projects ..	35 in Lower Bhavani, Malampuzha, Gobichettipalayam, Erode, Madurai, Nilakottai and Mahabalipuram, etc.	18 in the areas detailed under column (2).	34 in the areas detailed under column (2).
Community Development Blocks.	92 in Palladam, Attur, Sivakasi, Srivilliputhur, Kadam-battur, Trivellore, etc.	40 in the areas under column (2).	46 in the areas under column (2).
National Extension Services.	110 in Tiruppur, Coonoor, Rajapalayam, Virapandy, Uttu-kottai Blocks, etc.	35 in the areas under column (2).	52 Nagalapuram, Kallupatti, Attur, Coonoor, and Tiruppur blocks, etc.

10. *Construction activities.*—Construction works connected with the first Five-Year Plan of power development in the State were in full swing and a total capital expenditure of Rs. 11.07 crores was incurred on major projects and transmission lines.

The following projects and lines were in progress :—

(1) The preliminary works on the Kundah Hydro-Electric Scheme were commenced from August 1955.

(2) Transmission line construction works under Periyar Hydro-Electric Scheme.

(3) Singarappet-Villupuram 110 KV. line.

(4) Villupuram-Neiveli 110 K.V. line.

(5) Hulikal-Mangalore 110 KV. line.

(6) Periyar-Theni 110 KV. D.C. line.

(7) Theni-Sembatti 110 KV. D.C. line.

(8) Sembatti-Karur 66 KV. single circuit line.

(9) Hiriadka-Karkala-Udipi 33 KV. line.

11. *New schemes sanctioned.*—The more important schemes sanctioned during the year 1955-56 were as per details below :—

	Cost. RUPEES IN LAKHS.
1 Extension of 110/66 KV. D.C. line from Travancore-Cochin State border to Udamalpet and additional equipments at Udamalpet.	26.7
2 Advance construction of the Tanjore-Sivaganga-Ramanathapuram 66 KV. line under Periyar Hydro-Electric Scheme.	70.10
3 Mangalore-Moolky Extensions	16.542
4 Improvements to Coimbatore Rural West Feeder area ..	3.86
5 Karamadai-Kallar-A.G. Pudur 11 KV. line change over to 22 KV. operation.	2.88

12. *Programme for 1956-57—*

(1) Salem-Namakkal 110 KV. line.

(2) Singarappet-Vellore 66 KV. and second circuit line.

(3) Transmission lines under Periyar Hydro-Electric Scheme.

(4) Travancore-Cochin Border to Udamalpet 110/66 KV.

(5) Preliminary works, investigations and detailed survey in respect of Kundah Hydro-Electric Scheme.

(6) Availing of Jog power supply at Hulikal and commissioning of the Hulikal-Hiriadka-Mangalore 110 KV. line and Hiriadka-Udipi-Coondapur and Hiriadka-Karkala 33 KV. lines.

(7) Erode-Tiruchirappalli 111 circuit to be changed over to 110 K.V. operation and 12 MVA auto-transformer commissioned in April 1956.

(8) Commissioning of 5,000 KVA. transformers each at Virudunagar and Rajapalayam.

(9) Erection of 33 KV. lines from Poonamallee to Guduvancheri.

13. *Power demand.*—The demand for power continued to be on the increase during the period under review. The aggregate demand which was 181 MW. last year went up to 208 MW. in 1955-56, an increase of about

15 per cent. A review of the sanctioned loads applications on hand and anticipated demands showed that the aggregate demand will rise by 20/30 MW. in the next few years and will reach 336 MW. by 1960-61, i.e., the end of the Second Plan period.

One of the additional bulk demands during the Second Plan period is due to the proposed extension of electric train service from Tambaram to Villupuram to the extent of 3 MW. in 1958-59 rising to 8 MW. in ten years. Two of the cement factories in the State have asked for additional total power of 3.5 MW. for their expansion programme. A State-owned paper mill at Nilgiris with a capacity of 50 tons a day and a demand of 3 MW., a synthetic gem factory at Mettupalayam in the private sector with a demand of 1 MW. and a paper mill at Ambasamudram in the private sector with a demand of 2.5 MW. are some of the new medium industries that are to be catered to during the Plan period.

The Metals Directorate of the Government of India are considering the establishment of an aluminium industry in one of the States which will require firm supply to the extent of 20 to 30 MW. It is likely that this industry will be located in the Salem district.

There have been enquiries for large quantity of power for plants for the manufacture of soda ash and heavy chemicals such as caustic soda and liquid chlorine and also calcium carbide.

Recognizing that it is essential to plan new power plant and transmission lines to meet the increasing demand, the department has included in the Second Plan schemes which will more than double the present installed generating capacity. Of these, works have already commenced on the Madras III Stage extensions and Periyar Hydro-Electric Scheme under the First Plan itself to instal an additional capacity of 135 MW. by 1958-59 as below :—

Madras III Stage extensions—30 MW. (all firm).

Periyar Hydro-Electric Scheme—105 MW. (37 MW. firm).

Under the new schemes of the Second Plan the Kundah Hydro-Electric Scheme will add a major contribution of 180,000 of installed capacity or a firm power of 129 MW. This scheme which is to be executed with Canadian aid under the Colombo Plan is expected to be completed by the end of 1960. In addition to the above negotiations are in progress with the Travancore-Cochin Government to avail bulk supply of 20 MW. at the Travancore-Cochin State border near Udamalpet.

Even with the commissioning of all the above plants there will be a deficit of power to the extent of 59 MW. by 1964-65. The need for exploiting the Neyveli Lignite deposits for power generation is therefore obvious to firm up the hydro power. It is expected that when the Neyveli Lignite Thermal Station materialises, by about 1960-61, it will supply 130 MW. to the State Grid after meeting the demands of the mining and other industries proposed to be taken up under the Lignite Scheme.

14. *Electrical inspectorate and licensees.*—The number of licensees' undertakings at the close of the year was 25 including one sanctionee operating under section 28 of the Indian Electricity Act. Of these 5 were managed by local bodies and the rest by private companies.

No new licences were sanctioned during the year. The Kanara Ceramics, Limited, Kasargod, the sanctionee operating under section 28 of the Indian Electricity Act were permitted by Government (1) to continue supply till 31st March 1956, and (2) to extend the area of supply in Kasargod Panchayat Board and also to a portion in Kudur Panchayat Board area. There was no other sanction for extension of area of supply or period of licence during the year.

Permission was granted under section 9 (2) of the Indian Electricity Act to (1) South Arcot Electricity Distribution Company, Limited, and (2) Kumbakonam Electric Supply Corporation, Limited, to take mortgage loans of Rs. 5 and Rs. 4 lakhs respectively from the Madras Industrial Investment Corporation, Limited.

The accounts of 26 licensees were audited by the Audit Officer besides the audit of accounts of the licensees pertaining to the previous year. Eight hundred and six cinemas were functioning at the end of the year of which 332 were permanent and 474 touring.

The total number of accidents during the year including those on lines owned and operated by Government was 310 of which 118 were fatal.

15. *The Madras Electric Supply Undertakings (Acquisition) Act, 1954.*—The following electrical undertakings were taken over during the year :—

(1) Palghat, (2) Chingleput, (3) Ambur Vaniyambadi, (4) Tiruppattur, (5) Bodinayakanur and (6) East Ramnad.

Acquisition of the Mangalore Electrical Undertaking was postponed to 15th October 1956.

All the Local Authority Electrical Undertakings except Tiruvottiyur taken over under the Impugned Act, viz., the Madras Electricity Supply Undertakings (Acquisition) Act, 1949, have submitted claim statements for compensation under the Madras Electricity Undertakings (Acquisition) Act, 1954, and advance compensation was declared by the Government in respect of some of them.

The undertakings taken over during the year also submitted claim statements and advance compensation proposals to the Government. Final compensation proposals with regard to Sivakasi, Ootacamund, Rameswaram, Villivakkam and Udamalpet Electrical Undertaking were under consideration.

16. *Organization.*—The set-up of the Department underwent considerable expansion during the year owing to the expanded activities of the Department.

Owing to completion of major portion of works in the Salem-Namakkal line, the Civil Division at Salem was closed on 11th July 1955 and a new division was formed at Tiruvannamalai on 16th July 1955 for attending to the Singarappet-Villupuram 110 KV. and Villupuram-Pondicherry 66 KV. transmission lines.

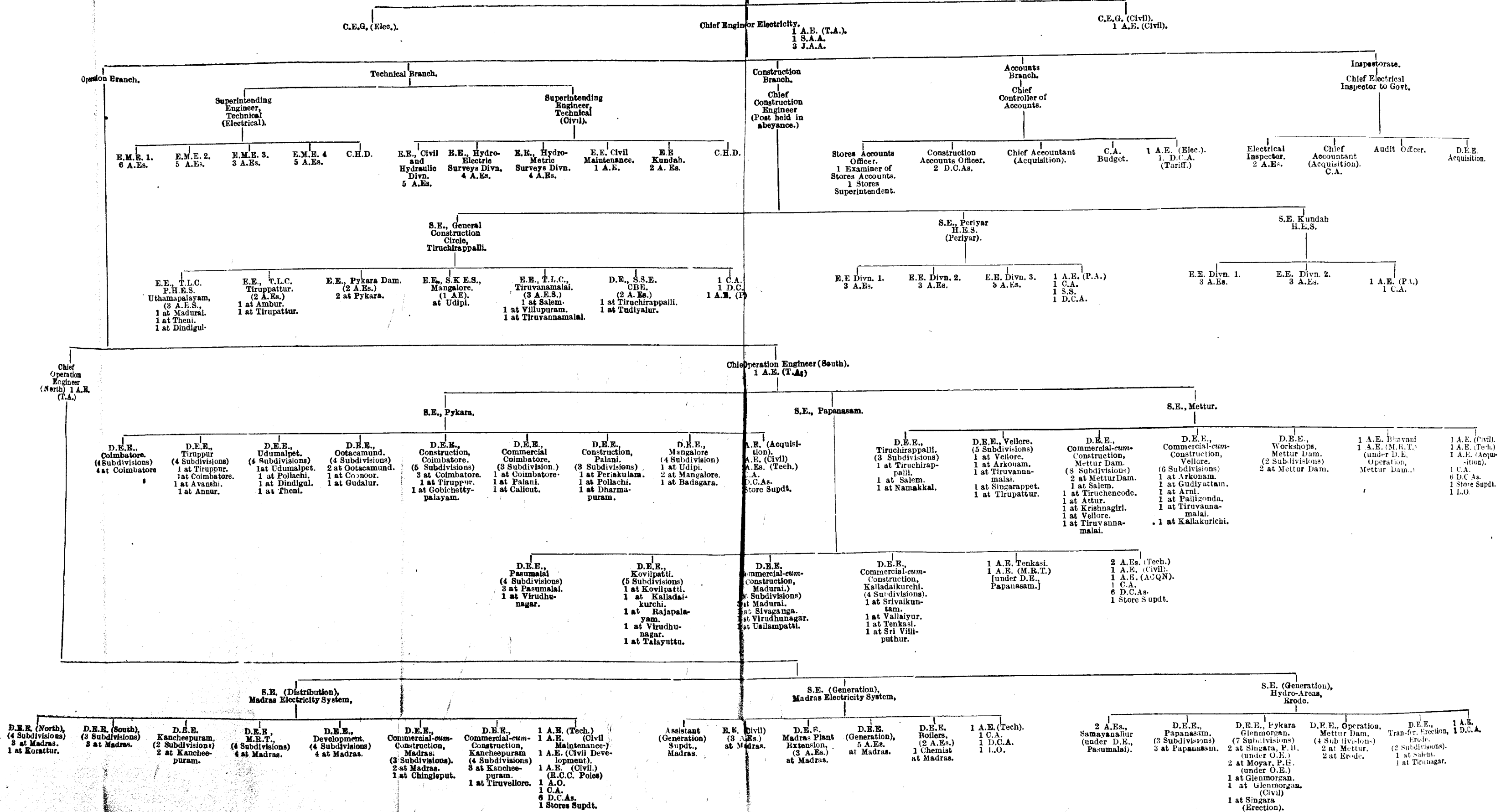
An additional Transmission Line Construction Division under Periyar Hydro-Electric Scheme was sanctioned during February 1956.

A Transmission Line Construction Division with headquarters at Tiruppattur was formed in May 1955 for construction of Singarappet-Vellore 66 KV. line.

A third division (Electrical and Mechanical) under Periyar Hydro-Electric Scheme was formed during April 1955.

ORGANIZATION OF THE ELECTRICITY DEPARTMENT

(31st Jan 1956.)
GOVERNMENT.



ABBREVIATIONS.

C.E.G. (Elec.) = Consulting Engineer to Government (Electrical).
C.E.G. (Civil) = Consulting Engineer to Government (Civil).
S.E. = Superintending Engineer.
D.E.E. = Divisional Electrical Engineer.
E.E. = Executive Engineer.
E.M.E. = Executive Engineer (Electrical and Mechanical).
A.E. = Assistant Engineer.

T.A. = Technical Assistant.
P.A. = Personal Assistant.
A.O. = Accounts Officer.
C.A. = Chief Accountant.
D.C.A. = Deputy Chief Accountant.
S.A.A. = Senior Assistant, Administration.
J.A.A. = Junior Assistant, Administration.

Tech. = Technical.
T.L.C. = Transmission Line Construction.
P.H.E.S. = Periyar Hydro-Electric Scheme.
S.K.E.S. = South Kanara Extension Scheme.
S.S.E. = Sub-station Erection.
L.O. = Labour Officer.

C.H.D. = Chief Head-Draftsman.
A.G.S. = Assistant Generation Superintendent.
S.A.O. = Stores Accounts Officer.
C.A.O. = Construction Accounts Officer.
Acqn. = Acquisition.
Govt. = Government.

O.E. = Operation Engineer.
Divn. = Division.
M.B.T. = Motor & Relay Testing.
Transfer = Transformer.

The preliminary works connected with the Kundah Hydro-Electric Scheme were taken up in December 1955 by the Executive Engineer (Civil), Ootacamund.

A Civil Division was formed in February 1956 in the office of the Superintending Engineer, Technical (Civil) at Madras for the Kundah works.

The Kundah Circle office under a Superintending Engineer (Civil) started functioning at Coonoor with effect from 1st February 1956.

Consequent on the increased grant in the Budget Estimate for 1955-56 for construction works additional divisions were formed in all the Operating Systems during the course of the year.

A division for Commercial-cum-Construction work in the Madras System was formed in August 1955 with headquarters at Kancheepuram.

The Divisional Engineer (General) in the Madras System was redesignated as Divisional Engineer (Kancheepuram) and the headquarters was shifted to Kancheepuram during 1955.

One Commercial Division with headquarters at Coimbatore and a Commercial-cum-Operation Division with headquarters at Mangalore were formed in the Pykara Electricity System during August and September 1955 respectively.

A Commercial Division with headquarters at Mettur was sanctioned in January 1956.

An Accounting unit with a Chief Accountant has been sanctioned for the Generation Circle at Erode in November 1955.

17. *Foreign training.*—Sri K. Mani, Assistant Engineer (Electrical), who was deputed to United Kingdom for higher technical training for a period of two years under the Colombo Plan, returned to India and resumed charge of his post in the department in April 1955.

Sri K. Srinivasaraghavan, Divisional Engineer (Electrical), proceeded on deputation to United States of America for a period of six months under Point Four Programme and returned to India in September 1955 and rejoined the department as Divisional Engineer (Electrical), Mangalore.

Sri P. Narayanan, Assistant Engineer (Electrical), proceeded to Switzerland in August 1955 for training in manufacture, erection and testing of carrier current communication equipment for one year in manufacturers' works.

Sri P. A. Raman, Divisional Engineer (Electrical) and Sri B. S. Amirthalingam, Assistant Engineer (Electrical), proceeded to Germany in September 1955 under departmental deputation scheme for training in manufacture, erection and testing of boilers and turbines ordered for Basin Bridge Power House at the manufacturers' works in Germany. They will utilize the recess periods in their training period of fifteen months to visit power-houses in United Kingdom, France, Switzerland and Sweden.

Sri A. M. Ramalingam, Divisional Engineer (Electrical) and Sri P. Ramamurthi, Assistant Engineer (Electrical), proceeded to Australia in February 1956 for training for a period of six months under the United Nations Economic Development Fellowship Scheme. They will study latest Power Station, Hydro and Thermal, with special reference to those using lignite.

Sri A. V. Sivagnanam was deputed to Europe for a period of six months from September 1955 to March 1956 for selection of second hand rails. He also visited power stations in France and United Kingdom.

ACCOUNTS BRANCH.

18. *General.*—The capital expenditure during 1955-56 amounted to Rs. 1,107 lakhs and the total capital investments to the end of the year was Rs. 5,401 lakhs.

The progressive total includes transfer of assets to the extent of Rs. 18 lakhs transferred to Andhra State.

The capital outlay on schemes in operation to end of March 1956 was Rs. 4,949 lakhs.

The gross and net revenue earned by the Department were Rs. 703 lakhs and Rs. 253 lakhs respectively during the year. The return works out to 15.3 per cent gross and 5.5 per cent nett.

The Accounts Branch handled cash receipts of Rs. 611 lakhs and cash payments of Rs. 1,169 lakhs during the year. In addition, payments to the extent of Rs. 601 lakhs made by other agencies like India Store Department, High Commissioner for India, London, etc., were watched and adjustments effected.

Stores receipts amounted to Rs. 1,372 lakhs and issues amounted to Rs. 1,228 lakhs. Three thousand three hundred and thirty-one contract bills and sixteen thousand three hundred and twenty-four suppliers' bills amounting to Rs. 911 lakhs were checked and payments made during the year.

The following table gives the financial position of the department as on 31st March 1956 :—

Dr.	RUPEES IN LAKHS.	Cr.	Table	RUPEES IN LAKHS.
1 Fixed assets in operation ..	4,438	1 Capital invested ..	..	4,471
2 Fixed assets under construction ..	420	2 Reserves for depreciation and Special Reserve Fund.	..	730
3 Stores ..	414	3 Accounts payable, suppliers ..	..	115
4 Accounts Receivable ..	333	4 " others ..	..	75
5 Investments ..	699	5 Net surplus excluding interest ..	..	916
6 Cash ..	8			
Total ..	6,307	Total ..		6,307

**STATEMENT SHOWING THE UNITS GENERATED, WORKING EXPENSES AND THE COST PER UNIT GENERATED
UNDER EACH MAIN HEAD OF EXPENSES (1955-56).**

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 expenses other than establishment.	Works expenditure financed from ordinary revenues.	Depreciation reserve fund and special reserve fund.	Tools and plant.	Suspense.	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>Pykara System.</i>																		
(IN LAKHS OF RUPEES.)																		
1951-52	242.88	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	..
		0.373	0.307	0.012	0.068	..	0.041	..	0.053	..	0.011	..	0.082	0.0007	0.109	0.066	..	..
1952-53	221.000	56.90	53.74	1.48	12.50	(—) 3.01	9.49	1,045	8.99	1,012	2.09	..	18.87	0.11	17.85	—0.14	—1.34	..
		0.41	0.43	0.01	0.09	—0.02	0.07	..	0.07	..	0.01	..	0.13	..	0.13	—0.01	—0.01	..
		52.02	53.87	..	..	..	..	..	..	..	..	..	14.00	..	..	..	..	..
		0.38	0.39	..	..	..	..	..	..	..	..	..	0.10	..	..	..	..	..
1953-54	285.908	104.88	102.83	1.74	14.84	4.51	10.33	1,298	10.12	504	2.88	..	17.81	0.12	18.53	(—) 0.25	2.05	41.55
		0.59	0.58	0.01	0.08	0.02	0.06	..	0.06	..	0.02	..	0.10	..	0.10	0.10	0.10	0.38
		98.40	96.35	..	..	..	..	..	..	..	..	..	11.33	..	..	..	..	..
		0.55	0.54	..	..	..	..	..	..	..	..	..	0.06	..	..	..	..	..
1954-55	368.911	140.06	140.56	2.21	18.02	10.16	7.86	1,366	12.84	351	2.41	0.80	22.83	0.25	48.97	—0.30	—0.50	45.80
		0.61	0.61	0.01	0.08	0.05	0.03	..	0.05	..	0.01	..	0.11	..	0.20	..	..	0.20
		126.07	126.57	..	..	..	..	..	..	..	..	..	8.84	..	..	..	..	..
		0.55	0.55	..	..	..	..	..	..	..	..	..	0.05	..	..	..	..	..
1955-56	508.024	188.12	179.32	2.23	21.85	7.83	14.02	1,552	12.88	234	2.78	0.93	30.96	0.22	50.61	—1.50	3.80	66.19
		0.67	0.56	..	0.07	0.03	0.04	..	0.04	..	0.01	..	0.10	..	0.16	..	0.01	0.31
		163.09	164.29	..	..	..	..	..	..	..	..	..	15.93	..	..	..	..	..
		0.52	0.51	..	..	..	..	..	..	..	..	..	0.05	..	..	..	..	..

Mettur System.

1951-52	216.54	57.75	53.79	1.31	10.47	—4.18	6.29	8.43	987	8.43	583	2.47	18.41	0.08	16.83	—0.03	3.96	..
		0.427	0.397	0.010	0.077	..	0.046	0.062	..	..	..	..	0.136	0.0005	0.124	0.030	..	..
1952-53	187.618	70.36	72.90	1.31	11.08	—2.97	8.11	7.80	1,141	7.80	518	3.53	33.81	0.08	19.06	—0.68	—2.54	..
		0.82	0.85	0.02	0.13	—0.04	0.09	0.09	..	..	..	..	0.39	..	0.22	—0.03	..	..
		40.53	43.07	..	..	..	..	..	..	..	..	..	3.98	..	..	..	..	..
		0.47	0.50	..	..	..	..	..	..	..	..	..	0.04	..	..	..	..	..
1953-54	193.277	88.79	94.35	1.35	10.82	5.47	5.35	6.94	1,055	6.94	508	2.11	37.91	0.18	14.11	—0.74	—5.56	27.14
		0.73	0.78	0.01	0.09	0.05	0.04	0.06	..	..	..	..	0.31	..	0.12	—0.01	—0.05	0.22
		57.99	63.55	..	..	..	..	..	..	..	..	..	7.11	..	..	..	..	..
		0.48	0.53	..	..	..	..	..	..	..	..	..	0.06	..	..	..	..	..
1954-55	245.416	123.81	123.67	1.77	12.65	10.14	2.51	7.74	1,109	7.74	291	1.42	61.68	0.13	14.23	—1.18	35.37	..
		0.81	0.81	0.01	0.08	0.06	0.02	0.05	..	..	..	..	0.40	..	0.09	—0.01	0.14	0.21
		72.35	72.21	..	..	..	..	..	..	..	..	..	10.22	..	..	..	..	..
		0.47	0.47	..	..	..	..	..	..	..	..	..	0.06	..	..	..	..	..
1955-56	213.781	163.97	161.45	1.68	15.21	8.05	7.16	8.23	445	8.23	206	1.93	86.14	0.20	17.37	(-) 1.59	2.22	39.83
		1.23	1.21	0.01	0.11	0.06	0.05	0.06	..	..	..	..	0.65	..	0.13	(-) 0.01	0.02	0.30
		89.61	87.39	..	..	..	..	..	..	..	..	..	12.08	..	..	..	..	..
		0.67	0.65	..	..	..	..	..	..	..	..	..	0.05	..	..	..	..	..

Papanasam System.

1951-52	135.87	27.95	31.78	0.65	7.04	—1.32	5.22	4.71	581	4.71	490	1.10	11.94	0.05	8.10	—0.08	—3.83	..
		0.329	0.374	0.008	0.083	..	0.061	0.055	..	..	..	..	0.141	0.0005	0.036	..	..	..
1952-53	104.501	37.61	37.00	0.58	7.62	—1.84	5.78	4.65	607	4.65	1,005	1.44	15.52	0.40	8.88	—0.16	0.42	..
		0.57	0.56	0.01	0.11	—0.02	0.09	0.07	..	..	..	..	0.28	..	0.13	..	0.01	..
		35.62	35.20	..	..	..	..	..	..	..	..	..	13.63	..	..	..	..	..
		0.54	0.53	..	..	..	..	..	..	..	..	..	0.20	..	..	..	..	..
1953-54	125.637	70.58	69.21	0.69	9.22	3.18	6.34	5.59	715	5.59	1,358	3.21	12.82	0.16	14.22	—0.26	1.37	22.31
		0.90	0.88	0.01	0.12	0.04	0.08	0.07	..	..	..	..	0.06	..	0.18	..	0.02	0.28
		68.85	67.48	..	..	..	..	..	..	..	..	..	3.08	..	..	..	..	..
		0.88	0.86	..	..	..	..	..	..	..	..	..	0.04	..	..	..	..	..

**STATEMENT SHOWING THE UNITS GENERATED, WORKING EXPENSES AND THE COST PER UNIT GENERATED
UNDER EACH MAIN HEAD OF EXPENSES (1955-56)—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 revenue.		Depreciation fund and special reserve fund.		Tools and plant.	Suspense.	Interest.
		Gross.	Loss recto-vertes.	Net.	Number employed.	Amount.	Number employed.	Amount.	Number employed.	Amount.	Fuel and lubricants.	Operation and maintenance other than establishment.	Works expenditure financed from ordinary revenue.	Depreciation 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)			
<i>Papanasam System—cont.</i>																					
1954-55 ..	146.821	82.36	83.50	0.04	12.04	6.71	5.33	7.90	3.71	4.95	2.61	17.57	9.05	0.13	15.57	—0.87	—1.14	29.26			
		0.90	0.91	0.01	0.13	0.07	0.06	0.04	0.03	0.19	0.10	..	5.36	..	0.16	—0.01	—0.01	0.33			
		78.67	79.81										5.36								
		0.86	0.87										0.06								
1955-56 ..	143.274	101.56	97.92	0.87	14.97	5.07	9.90	7.59	4.23	4.35	2.14	12.67	16.14	0.25	18.38	(—) 0.99	8.64	34.33			
		1.10	1.06	0.01	0.16	0.05	0.11	0.05	0.03	0.14	0.17	..	0.17	..	0.20	(—) 0.01	0.04	0.37			
		99.22	91.58								9.90		9.90								
		1.04	1.00								0.11										
<i>Abstract for Hydro Areas.</i>																					
1951-52 ..	595.29	142.30	133.10	3.72	27.38	10.13	17.70	21.25	5.26	4.358	..	42.74	0.24	0.24	41.56	—0.37	—10.20	..			
		0.352	0.355	0.010	0.075	0.048	0.048	0.057	0.014	..	..	0.115	0.0006	0.0006	0.112	—0.027	..	..			
1952-53 ..	463.118	164.77	168.73	3.37	31.20	7.82	23.38	21.44	7.06	2.535	..	88.20	0.59	0.59	45.79	—1.10	—8.36	..			
		0.57	0.58	0.01	0.11	0.03	0.08	0.07	0.03	..	..	0.24	..	..	0.15	—0.01	..	..			
		128.18	132.14									31.61									
		0.44	0.45									0.11									

1953-54	604.872	264.25	266.39	3.71	34.88	13.16	21.72	3,063	28.65	2,850	8.20	12.82	60.54	0.14	46.86	—1.25	—2.14	91.00
		0.69	0.70	0.01	0.10	0.01	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					
1954-55	760.948	346.23	347.73	4.92	42.71	27.01	15.70	3,205	24.29	1,137	6.44	18.37	93.56	0.49	76.77	—2.74	—1.50	103.93
		0.73	0.73	0.01	0.00	0.05	0.04		0.05		0.01	0.04	0.20		0.16	—0.01		0.23
		277.09	278.59										24.42					
		0.58	0.58										0.05					
1955-56	870.069	448.35	438.69	4.78	52.03	20.95	31.08	2,756	25.34	875	6.85	13.60	133.24	0.67	86.86	(—) 4.08	9.66	140.35
		0.83	0.81	0.01	0.10	0.04	0.06		0.05		0.01	0.02	0.25	..	0.16	(—) 0.01	0.02	0.26
		352.92	343.26										37.81					
		0.65	0.63										0.07					
Madras System.																		
1951-52	135.56	113.10	108.07	1.75	9.27	— 3.34	5.93	562	5.06	2,300	11.28	4.15	12.96	0.02	23.23	—0.31	5.03	..
		1.335	1.276	0.021	0.109	0.070	0.070		0.060		0.133	0.568	0.153	0.0002	0.274		0.059	
		147.45	132.21	1.93	10.64	— 2.82	7.82		5.08		7.79	61.94	23.16	..	24.59	—0.10	15.24	..
1952-53	152.174	155	139	0.02	0.11	—0.03	0.08	783	0.05	1,069	0.08	0.45	0.25	..	0.26		0.16	
		144.03	129.38										20.33					
		1.52	1.36										0.22					
1953-54	152.998	173.01	164.48	2.17	12.16	5.84	6.32	961	9.87	1,321	11.24	59.90	15.30	0.03	31.01	—0.39	8.63	28.94
		1.81	1.72	0.02	0.13	0.06	0.07		0.10		0.12	0.63	0.16		0.32	..	0.09	0.30
		168.23	159.70										10.61					
		1.76	1.67										0.11					
1954-55	171.495	173.78	178.02	2.56	14.75	9.33	5.42	902	9.06	1,252	10.19	54.31	24.66	0.06	33.72	—0.80	—4.24	39.25
		1.62	1.66	0.02	0.14	0.09	0.05		0.09		0.10	0.50	0.23		0.32	—0.01	—0.04	0.36
		162.51	166.75										13.38					
		1.62	1.56										0.16					
1955-56	183.257	190.91	198.65	2.26	17.31	8.38	8.73	1,703	13.72	1,872	8.30	56.84	26.30	0.07	37.31	(—) 1.71	—7.74	46.83
		1.67	1.74	0.02	0.15	0.07	0.08		0.12		0.07	0.49	0.23	..	0.33	(—) 0.01	—0.07	0.41
		177.40	185.14										12.79					
		1.55	1.62										0.11					

[illegible]

NOTE.—(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 to 1955-56 include interest charges.

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.

HYDRO AREAS.

Expenditure under each main head and its proportion to revenue.

Expenditure under each main head and its proportion to revenue.																			
Financial year.																			
(1)	(2)	(3)	(4)	Establishment charges, allowances and recoveries.				Other items.											
				Provincial establishment and officers.		Operation Subordinate Service.		Nominal muster roll.		(13)	(14)	(15)	(16)	(17)	(18)	(19)			
Gross revenue	Gross expenditure.	Working expenses excluding suspense.	Managing agency fees.	Gross establishments.	Less recoveries.	Net.	Number employed.	Amount.	Number employed.								Amount.	Cost of fuel and lubricants.	Operation and maintenance other than establishment.	Works expenditure financed from ordinary revenue.	Depreciation reserve fund and special reserve fund.	Tools and plant.	Suspense.	Interest.
Pykara System.																			
1948-49 ..	72.83	34.25	32.34	1.92	7.72	1.93	5.74	807	5.79	2,251	1.84	5.22	0.05	12.69	— 0.01	1.91	..	..	
1949-50 ..	86.37	47.00	44.40	1.40	10.00	7.88	7.95	871	7.13	3,241	2.53	7.17	0.07	17.42	..	2.80	..	..	
1950-51 ..	93.01	48.06	42.97	1.55	9.99	2.83	5.80	871	7.13	3,241	1.53	7.39	0.16	13.75	..	4.40	..	..	
1951-52 ..	115.31	56.60	46.53	1.54	9.18	4.14	5.04	941	7.07	3,346	1.61	8.56	0.19	15.92	— 0.36	5.09	..	..	
1952-53 ..	118.26	58.90	49.09	1.64	9.81	5.33	8.19	1,003	8.11	3,255	1.72	9.05	0.16	15.84	— 0.26	10.07	..	..	
1953-54 ..	139.31	104.88	102.83	1.76	10.32	— 4.13	6.19	1,045	8.11	3,255	1.69	12.89	0.11	16.54	..	8.73	..	..	
1954-55 ..	176.43	140.06	140.56	1.53	8.95	5.37	7.03	1,208	7.03	504	1.47	10.74	0.10	14.34	..	— 1.84	..	..	
1955-56 ..	222.79	183.12	179.32	1.48	12.50	2.01	9.49	1,045	8.99	1,042	2.09	13.96	0.09	15.09	— 0.14	— 1.56	..	..	
1956-57 ..	222.79	183.12	179.32	1.25	10.57	2.55	3.02	1,208	10.12	504	1.77	17.81	0.12	18.53	— 0.35	2.05	41.55	..	
1957-58 ..	222.79	183.12	179.32	1.74	14.84	4.51	10.33	1,208	10.12	504	2.83	17.81	0.12	18.53	— 0.35	2.05	41.55	..	
1958-59 ..	222.79	183.12	179.32	1.25	10.65	8.24	7.41	1,366	7.26	351	2.07	12.78	0.09	13.39	— 0.17	1.57	29.82	..	
1959-60 ..	222.79	183.12	179.32	2.21	18.02	10.16	7.86	1,366	12.84	351	2.41	22.83	0.23	46.97	— 0.80	— 0.50	45.30	..	
1960-61 ..	222.79	183.12	179.32	1.25	10.21	5.76	4.45	7.23	7.23	2.44	1.37	12.94	0.13	26.62	— 0.50	— 0.28	25.63	..	
1961-62 ..	222.79	183.12	179.32	2.23	21.85	7.33	14.02	1,552	12.93	2.44	2.73	9.93	0.22	50.61	— 1.50	3.80	66.19	..	
1962-63 ..	222.79	183.12	179.32	1.00	9.81	3.52	6.29	5.78	5.78	1.55	1.55	0.42	13.90	0.09	22.72	— 0.67	1.70	29.71	..

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.

Expenditure under each main head and its proportion to revenue.

Financial year.	(1)	(2)	(3)	(4)	Establishment charges, allowances and recoveries.								Other items.					(17)	(18)	(19)
					Provincial establishment and officers.			Operation Subordinate Service.		Nominal muster roll.			(13)	(14)	(15)	(16)				
					(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)								
					Managing agency fees.	Gross establishment.	Less recoveries.	Net.	Number employed.	Amount.	Number employed.	Amount.	Cost of fuel and lubricants.	Operation and maintenance other than establishments.	Works expenditure financed from ordinary revenue.	Depreciation reserve fund and special reserve fund.	Tools and plant.	Suspense.	Interest.	
(IN LAKHS OF RUPEES.)																				
Mettur Electricity System.																				
1948-49 ..	63.73	35.02	31.91	0.80	8.04	2.58	5.46	8.57	1,029	5.90	783	3.33	5.84	..	0.24	9.87	0.47	3.11	..	
1949-50 ..	74.14	54.95	50.07	1.25	12.62	4.64	8.57	9.26	1,057	6.06	708	5.22	9.16	..	0.38	5.49	0.74	4.38	..	
1950-51 ..	85.98	42.39	34.64	0.92	8.97	4.84	4.33	6.84	1,088	7.40	598	2.88	7.07	..	0.17	11.35	0.66	7.75	..	
1951-52 ..	101.53	57.18	46.72	1.25	12.10	10.15	5.17	6.84	987	8.43	583	3.89	10.35	..	0.23	15.31	0.89	10.46	..	
1952-53 ..	103.55	42.74	44.09	1.07	10.15	4.98	5.17	7.40	987	8.43	583	2.41	15.06	..	0.13	13.49	0.04	1.95	..	
1953-54 ..	110.01	49.71	51.98	1.25	11.81	..	6.01	8.61	987	8.43	583	2.80	17.51	..	0.08	16.83	0.03	3.96	..	
1954-55 ..	141.10	57.75	53.79	1.31	10.47	4.18	6.29	8.43	987	8.43	583	2.47	18.41	..	0.08	16.58	..	3.90	..	
1955-56 ..	107.50	56.88	52.98	1.29	10.31	..	6.20	8.30	987	8.30	518	2.43	18.13	..	0.08	19.06	0.30	2.54	..	
		70.36	72.90	1.13	11.08	2.97	8.11	7.80	1,141	7.80	518	3.53	33.81	..	0.08	18.41	0.97	2.45	..	
		67.95	70.40	1.26	10.70	2.87	7.83	7.53	1,055	6.94	508	3.41	32.65	..	0.08	14.11	0.74	5.56	27.14	
		88.79	94.35	1.35	10.82	5.47	5.35	6.94	1,055	6.94	508	2.11	37.91	..	0.13	14.11	0.74	5.56	27.14	
		80.71	85.76	1.23	9.83	4.97	4.86	6.31	1,055	6.94	508	1.92	34.46	..	0.16	12.82	0.67	5.05	24.67	
		128.81	128.67	1.77	12.65	10.14	2.51	7.74	1,109	7.74	291	1.42	61.68	..	0.13	14.23	1.18	0.14	35.37	
		87.75	87.65	1.25	8.96	7.18	1.78	5.49	1,109	7.74	291	1.01	43.71	..	0.09	10.09	0.83	0.10	25.06	
		168.67	161.45	1.68	15.21	8.05	7.16	8.23	445	8.23	206	1.93	86.14	..	0.20	17.87	1.59	2.22	39.83	
		97.71	96.39	1.00	9.08	4.80	4.28	4.91	445	8.23	206	1.15	51.43	..	0.12	10.67	0.95	1.32	23.78	

E.A.R. 1-2A

ELECTRICITY DEPARTMENT FOR 1955-56

Papanasam System.

1948-49 ..	29.54	14.71	11.71	0.38	4.98	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 ..	36.14	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	
		70.42	48.95	1.27	13.31		9.55		8.47		1.83	9.93	0.11	18.01		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	1.82	5.22	531	4.71	490	1.10	11.94	0.05	8.19	0.08	3.83	
		51.80	53.90	1.20	13.05		9.67		8.75		2.04	22.13	0.09	13.18			
1952-53 ..	54.52	37.51	37.09	0.58	7.62	1.34	5.73	807	4.65	1,005	1.44	15.52	0.40	8.88	0.16	0.42	
		68.80	63.03	1.06	13.98	3.38	10.60		8.53		2.64	28.46	0.75	16.29	0.30	0.77	
1953-54 ..	57.74	70.53	69.21	0.62	9.22	3.18	6.04	715	5.59	1,338	3.21	4.82	0.16	14.22	0.26	1.37	
		122.24	119.87	1.07	15.97	5.51	10.46		9.68		5.56	22.20	0.27	24.63	0.45	2.37	
1954-55 ..	73.16	82.36	83.50	0.94	12.04	6.71	5.33	790	3.71	495	2.61	17.57	0.13	15.57	0.67	1.14	
		109.58	111.10	1.25	16.02	8.93	7.09		4.94		3.47	23.38	0.17	20.72	0.89	1.52	
1955-56 ..	87.04	101.56	97.92	0.87	14.97	5.07	9.90	759	4.23	435	2.14	12.67	0.25	18.38	0.99	3.64	
		116.69	112.51	1.00	17.19	5.82	11.37		4.86		2.46	14.56	0.30	21.12	1.13	4.18	

Absaral for Hydro Areas.

1948-49 ..	166.10	33.98	55.96	2.20	19.84	5.25	14.49	2,137	14.12	5.86	3,475	5.86	14.57	..	8.77	0.33	23.98	0.41	8.02	..
1949-50 ..	196.65	109.35	89.44	2.72	22.51	8.93	13.58	2,330	16.85	5.08	4,124	2.59	18.65	..	9.48	0.37	31.61	0.58	19.91	..
1950-51 ..	220.59	98.33	102.92	3.12	25.30	11.23	14.07	2,562	19.26	4.91	4,488	4.91	26.37	..	26.37	0.32	35.39	0.29	10.12	..
1951-52 ..	270.80	142.30	132.10	3.72	27.83	10.13	17.70	2,571	21.25	5.29	4,358	2.23	42.74	..	42.74	0.24	41.56	0.37	10.20	..
1952-53 ..	276.33	164.77	168.73	3.37	31.20	7.82	23.38	2,793	21.44	7.06	2,535	1.94	15.78	..	15.78	0.09	15.35	1.10	3.77	..
		59.63	61.06	1.2	11.29	2.33	8.46	2,793	21.44	7.06	2,535	2.55	24.08	..	24.08	0.21	16.57	0.39	1.43	..

XII. 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.

Expenditure under each main head and its proportion to revenue.

Financial year.	(1)	(2)	(3)	(4)	Establishment charges, allowances and recoveries.					Other items.					(16)	(17)	(18)	(19)					
					Provincial establishment and officers.		Operation Subordinate service.		Nominal muster roll.	Other items.		Depreciation reserve fund.	Tools and plant.	Suspense.					Interest.				
					Gross establish- ment.	Less recover- ies.	Net.	Number employed.		Amount.	Number employed.									Amount.	Cost of fuel and lubri- cants.	Operation and main- tenance expenses other than estab- lishments.	Works expenditure financed from ordi- nary revenue.
(IN LAKHS OF RUPEES.)																							
Abstract for Hydro Areas—cont.																							
1953-54 ..	307.06	204.25	266.39	3.71	34.88	13.16	21.72	32.65	3,063	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	4.29	7.07	7.38			2.67	4.18	19.72	0.05	15.26	0.42	0.70	29.64					
1954-55 ..	392.09	316.23	347.73	4.92	42.71	27.01	15.70	24.29	3,265	1,137	6.44	18.37	93.56	0.49	76.77	2.74	1.50	109.98					
		88.17	88.36	1.25	10.88	6.88	4.00	6.19			1.04	4.68	23.83	0.12	19.55	0.70	0.38	27.99					
1955-56 ..	477.33	448.35	438.69	4.78	52.03	20.95	31.08	25.34	2,756	875	6.85	13.60	133.24	0.67	86.86	4.08	9.66	140.35					
											0.44	6.87	37.91	0.14	18.20	0.85	2.02	29.40					

THERMAL AREAS.

Madras Electricity System.

Financial year.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1948-49 ..	80.10	74.57	71.01	1.00	7.05	1.86	5.19	4.78	1,800	6.74	35.54	4.89	0.06	12.92	0.11	3.56	..	..	..
1949-50 ..	93.92	77.29	78.60	1.17	7.86	2.80	5.06	4.86	1,850	7.93	42.65	4.35	0.08	11.28	0.30	1.31	..	..	..
1950-51 ..	110.13	82.19	83.69	1.25	8.37	2.33	4.73	4.82	2,100	9.71	44.38	9.32	0.05	13.41	0.15	5.31	..	..	..
1951-52 ..	139.59	80.11	75.54	1.25	6.94	3.34	4.07	4.15	2,300	11.28	48.15	12.96	0.04	11.55	0.31	5.03	..	..	..
		113.10	108.07	1.75	9.27	3.84	5.93	5.06		8.08	34.40	9.29	0.01	16.64		3.60			
		81.02	77.42	1.25	6.64		4.25	3.02											

1952-53 ..	155.12	147.45	132.21	1.43	10.64	2.82	7.82	7.82	5.08	1,069	7.79	61.94	23.16	24.59	0.10	15.24	..	..	..
1953-54 ..	173.45	95.05	85.23	1.24	6.86	1.82	5.04	5.04	3.27	1,321	11.24	39.03	14.93	15.85	0.05	9.82	..	..	..
1954-55 ..	204.56	173.01	164.48	2.17	12.16	5.84	6.32	6.32	9.37	1,321	11.24	59.90	15.39	31.01	0.39	8.53	23.94	..	..
1955-56 ..	225.75	99.74	94.82	1.25	7.01	3.37	3.64	3.64	5.60	1,252	10.19	34.54	8.87	17.83	0.22	4.92	16.03	..	..
		178.02	178.02	2.56	14.75	9.33	5.42	5.42	9.66	1,252	10.19	54.31	24.65	33.72	0.80	4.24	38.25	..	..
		87.02	87.02	1.25	7.21	4.56	2.65	2.65	4.72	1,872	8.30	26.55	12.05	16.48	0.39	2.07	18.70	..	..
		198.91	198.91	2.26	17.31	8.53	8.73	8.73	13.72	1,872	8.30	56.84	26.30	37.31	1.71	7.74	46.83	..	..
		84.56	87.99	1.00	9.67	5.80	3.87	3.87	6.03		3.68	23.18	11.65	16.32	0.76	3.43	20.74	..	..

Departmental total.

1951-52 ..	410.39	265.40	240.17	5.47	37.10	13.47	23.63	3.133	26.31	6,058	16.54	48.15	55.70	64.79	0.08	15.23	..	..	..
1952-53 ..	431.45	312.22	300.94	5.30	41.84	10.64	31.20	3,575	26.52	3,604	14.85	61.94	91.36	70.88	1.20	11.28	..	..	..
1953-54 ..	480.51	437.26	430.87	5.88	47.04	19.00	28.04	4,029	32.62	3,671	10.44	72.72	75.93	77.87	1.04	6.89	119.94	..	..
1954-55 ..	507.25	520.01	525.75	7.48	57.46	36.34	21.12	4,167	33.65	2,389	16.63	72.68	118.21	110.49	3.54	5.74	148.18	..	..
1955-56 ..	703.08	639.26	637.34	7.04	69.34	29.53	39.81	4,462	39.06	2,747	15.15	70.44	159.54	124.17	5.79	1.92	137.18	..	..
		90.92	90.6	1.00	9.86	4.20	5.86	5.86	5.56		2.15	10.02	22.69	17.66	0.27	0.27	29.62	..	..

N.B.—(1) The denominator gives the percentage of expenditure to gross revenue.
(2) Figures under columns (3) and (4) from 1953-54 include interest charges.

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

HYDRO AREAS.

Operation and maintenance, Operation Subordinate, Service and Establishment expenses as a percentage on revenue per unit sold.													
System.	Unit sold to consumers (lakhs of units).	Operation and maintenance.			Operation Subordinate Service.			Establishment.			Cost per unit sold including interest.	Revenue realized from miscellaneous sources other than interest on securities.	
		Expenses, in lakhs of rupees.	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.	Expenses, in lakhs of rupees.	Cost, anna per unit sold.	Percentage of cost to Revenue per unit sold.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1951-52— Pylkara ..	2,405.14	0.74	14.08	0.00	12.16	8.11	0.05	6.76	12.08	0.08	10.81	0.44	0.02
Mettur ..	2,248.52	0.70	20.88	0.15	21.43	8.43	0.06	8.57	11.78	0.09	12.85	0.50	0.07
Papanasam ..	1,256.74	0.68	18.04	0.17	25.00	4.71	0.08	8.82	7.70	0.10	14.71	0.53	0.03
1952-53— Pylkara ..	3,012.06	0.60	20.06	0.11	19.83	8.99	0.05	8.33	13.93	0.07	11.06	0.44	0.03
Mettur ..	2,154.60	0.75	37.34	0.28	37.33	7.80	0.06	8.00	12.39	0.09	12.00	0.68	0.05
Papanasam ..	1,080.99	0.79	16.96	0.25	31.65	4.65	0.07	8.87	8.20	0.12	15.19	0.82	0.04
1953-54— Pylkara ..	2,869.48	0.7	20.69	0.12	16.00	10.12	0.08	8.00	16.58	0.09	12.00	0.57	0.04
Mettur ..	2,476.89	0.69	40.02	0.26	37.68	6.04	0.04	5.80	12.17	0.08	11.59	0.61	0.06
Papanasam ..	1,141.95	0.79	20.85	0.29	36.71	5.59	0.08	10.13	9.84	0.14	17.72	0.97	0.08
1954-55— Pylkara ..	3,740.88	0.73	26.04	0.11	15.07	12.84	0.05	6.85	20.23	0.09	12.33	0.60	0.02
Mettur ..	3,332.25	0.66	63.10	0.30	45.45	7.74	0.04	6.06	14.42	0.07	10.61	0.59	0.03
Papanasam ..	1,356.19	0.87	29.23	0.34	39.08	3.71	0.04	4.60	12.98	0.13	17.24	0.99	0.08
1955-56— Pylkara ..	4,964.99	0.60	34.67	0.11	15.04	12.88	0.04	5.80	16.25	0.05	7.25	0.58	0.02
Mettur ..	3,790.06	0.69	88.07	0.37	53.62	8.23	0.03	4.35	8.84	0.04	5.80	0.68	0.03
Papanasam ..	1,486.19	0.92	30.95	0.33	35.87	4.23	0.05	5.43	10.77	0.12	11.96	1.05	0.07

THERMAL AREAS.

1951-52— Madras ..	1,203.87	1.84	72.39	0.96	52.17	5.06	0.07	8.90	11.01	0.14	7.61	1.62	0.06	
1952-53— Madras ..	1,860.67	1.79	92.89	1.09	60.90	5.08	0.06	3.85	12.57	0.15	8.38	1.74	0.06	
1953-54— Madras ..	1,500.90	1.82	86.53	0.92	50.55	9.87	0.11	6.04	14.33	0.15	8.24	1.75	0.12	
1954-55— Madras ..	1,773.75	1.81	89.15	0.80	44.20	9.66	0.09	5.00	17.31	0.16	8.84	1.01	0.11	
1955-56— Madras ..	1,913.97	1.85	91.44	0.76	41.08	13.72	0.11	5.95	10.99	0.09	4.86	1.06	0.09	

NOTE.—Figures under column (3) from 1951-52 onwards represent total Gross Receipts less interest on securities.
Column (13) "Cost per unit sold" represents gross cost per unit sold including interest.

The details of revenue receipts and working expenses of the department for the year were under :—

Working expenses.	RUPEES IN LAKHS.	Gross receipts.	RUPEES IN LAKHS.
To Generation	104.69	By Domestic light and power ..	142.76
„ Transmission	16.99	„ Commercial	41.76
„ Distribution	42.91	„ Street lights	14.22
„ Commercial	9.59	„ Industrial	140.71
„ Cost of power purchased ..	108.94	„ Agricultural	62.88
„ Administration and General ex- penses.	42.87	„ Traction	5.61
„ Contribution to reserve funds ..	124.17	„ Bulk supply to licensees ..	99.65
„ Excess receipts over expenditure.	252.92	„ Government departments ..	14.39
		„ Miscellaneous sales	22.18
		Total	544.16
		„ Sales to other systems	108.94
		Total sale of power	653.10
		Miscellaneous revenue	31.75
		Total	684.85
Grand total	703.08	„ Interest on securities	18.23
		Grand total	703.08
To Interest on capital	187.18		
„ Net surplus	65.74		
	252.92	By Net revenue	252.92
			252.92

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

1933-34	5.38	1944-45	4.25
1934-35	5.12	1945-46	4.25
1935-36	4.94	1946-47	4.00
1936-37	4.50	1947-48	4.00
1937-38	4.35	1948-49	4.00
1938-39	4.25	1949-50	4.00
1939-40	4.25	1950-51	4.75
1940-41	4.75	1951-52	5.25
1941-42	4.75	1952-53	5.25
1942-43	4.50	1953-54	5.00
1943-44	4.25	1954-55	5.00

The interest chargeable to operation during the year at 5.25 per cent works out to Rs. 187 lakhs and that chargeable to construction works out to Rs. 36 lakhs.

The interest accumulation to end of 1954-55 amounted to Rs. 1,147 lakhs.

The details for investments from the Depreciation and Special Reserve Funds are given in Appendix "M".

A comparative statement of the elements of operation and maintenance expenses of the department in relation to revenue earned are given in a separate statement.

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

Expenditure on capital works.—The budget estimate for 1955-56 was Rs. 11.4 crores. Assistance to the tune of Rs. 3 crores for the rural electrification and 3.97 crores for the expansion of power facilities for increasing employment opportunities was obtained from the Central Government. The budget provision was almost kept up during the year.

Voluntary loan contribution.—In October 1955 the scheme of voluntary loan contribution was cancelled and the loan amounts collected from the agricultural consumers were ordered to be refunded. The total amount of loan collected to end of October 1955 was Rs. 38.70 lakhs out of which a sum of Rs. 10.57 lakhs representing the loan from agricultural consumers was refunded.

Revision of tariff.—A committee consisting of the Chief Operation Engineers and the Chief Controller of Accounts was constituted to examine the question of revision of tariff. A subdivision was formed with effect from 1st November 1955 to work out the rates and to frame the new tariff. The work was in progress.

Audit.—The monthly accounts of the Construction Circle and Operating Systems were reviewed on the due dates. Audit notes of the Accountant-General disclosed objections mainly under (1) excess over estimates, (2) want of estimates and (3) want of stamped acknowledgments. Systematic action was taken to clear these by enforcing special progress reports. The residential concurrent audit was functioning during the year.

Stores.—There were 68 stores (7 central and 61 sub-stores) with materials worth Rs. 414 lakhs. The stores were verified by independent stock verifiers during the year. A statement showing the reserve limit of stock in each of the system/circle and actuals is given below :—

Name of system or circle.	Number of stores.		Reserve limit.	Actuals.
	Central.	Sub-stores.		
(1)	(2)	(3)	(4) RUPEES IN LAKHS.	(5) RUPEES IN LAKHS.
1 Pykara Electricity System	1	12	110	72.09
2 Mettur Electricity System	1	14	120	122.99
3 Papanasam Electricity System	1	14	150	91.55
4 Madras Electricity System (Distribution and Generation).	2	12	175	106.04
5 General Construction Circle	1	9	25	14.83
6 Periyar	1	..	20	6.43
	7	61	600	413.93

The balance sheet showing the commercial operation of the department as on March 1955 is given in the Appendix "J".

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

The percentage of line and transformer loss to the total units sent out during the year is given in the Appendix "O".

The utilization of power separately under urban area and rural area and the revenue earned during the year under L.T. and H.T. are given in the Appendix "P".

SECTION II—DETAILED REPORT.

CONSTRUCTION ACTIVITIES.

19. *General.*—The General Construction Circle continued to be under the control of the Chief Engineer for Electricity as the post of Chief Construction Engineer (Electricity) was still kept in abeyance. This circle was in charge of most of the major construction works except Madras Plant Extensions. For Periyar and Kundah Hydro-Electric Scheme new circles were formed during the year. The Madras Plant Extension 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. 11.07 crores.

The following were the salient features in the construction activities. Detailed report is given separately under "Schemes in progress" below :—

(1) *Transmission Line Construction Works under Periyar Hydro-Electric Scheme.*—Construction of Periyar-Theni 110 KV. D.C. line was awarded on contract. Check survey was done by the contractors to an extent of 50 per cent. Survey works on the Theni-Madurai 110 KV. D.C. line, Theni-Sembatti 110 KV. D.C. line and Sembatti-Karur 66 KV. single circuit line were completed. Survey works were in progress on the Sembatti-Tiruchirappalli 110 KV. D.C. line.

(2) *Bulk power supply from Travancore-Cochin State.*—Survey work for the 110/66 KV. D.C. line from Travancore border to Udumalpet was completed. Proposals for acquiring the additional land required to locate the structures were being finalized.

(3) *Construction of an office building, etc., for the Superintending Engineer, Papanasam Electricity System, at Madurai.*—The works were awarded on contract and were in various stages of progress.

(4) *Madras Plant Extensions.*—The works under I stage were practically completed except for the commissioning of the Mulsifyre protection system.

Under III stage extensions shifting of equipments like transformer and switchgear, etc., in "A" station to new location was also completed. Ninety-five per cent of the dismantling of the existing "A" station to accommodate III stage extensions was completed. Five hundred and thirty-five piles out of 653 were driven.

20. *New schemes sanctioned.*—The more important schemes sanctioned during 1955-56 were as per details below :—

	Initial. RUPEES IN LAKHS.	Ultimate. RUPEES IN LAKHS.
1 Extension of 110/66 KV. D.C. line from Travancore-Cochin State border to Udumalpet and additional equipments at Udumalpet.	26.67	..
2 Advance construction of the Tanjore-Sivaganga and Sivaganga-Ramanathapuram 66 KV. line under Periyar Hydro-Electric Scheme.	70.10	..
3 Mangalore-Moolky Extension	7.699	16.542
4 Harur Extensions	7.412	13.072
5 Kemp-Hejmadi Extensions	6.245	10.620

21. *Schemes in progress.*—The following major construction works were in various stages of progress :—

	Initial. RUPEES IN LAKHS.	Ultimate. RUPEES IN LAKHS.
1 Singarappet-Villupuram 110 KV. line	{ 107.72 gross. 98.43 net.	..
2 Villupuram-Pondicherry 66 KV. line	19.0	..
3 Villupuram-Neyveli 110 KV. line	25.49	..
4 Hulikal-Mangalore 110 KV. line	28.6	..
5 Hiriadka-Karkala-Udipi 33 KV. line	3.02	..
6 Periyar-Theni 110 KV. D.C. line	51.0	56.0
7 Theni-Madurai 110 K.V. D.C. line		
8 Theni-Sempatti 110 KV. D.C. line	34.0	37.5
9 Sempatti-Tiruchirappalli 110 KV. D.C. line	34.0	35.0
10 Sembatti-Karur 66 KV. single circuit line	15.5	17.0
11 Kundah Hydro-Electric Scheme—Preliminary works	35 crores.	..

Singarappet-Villupuram 110 KV. line.—Excavation of pits, stub setting and concreting, tower erection and stringing of conductors were completed. Painting of towers was in progress.

Villupuram-Pondicherry 66 KV. line.—Detailed survey on the above line was completed. Land for the construction of Pondicherry sub-station was acquired. On receipt of line materials, stub setting of tower will be taken up.

Villupuram-Neyveli 110 KV. line.—Preliminary survey on this line was completed. Detailed survey will be taken up.

Hulikal-Mangalore 110 KV. line.—All works were almost completed.

Hiriadka-Karkala-Udipi 33 KV. line.—Works on this line were completed and the line was handed over to Operation and Maintenance on 25th April 1955.

Periyar-Theni 110 KV. D.C. line.—Construction of this line including supply of all materials but insulators was awarded on contract. Survey and tree clearance were completed. Profiles and schedules have been forwarded to the contractors and they have completed the check survey for about 17 miles.

Theni-Madurai 110 KV. D.C. line.—Construction of this line including supply of materials except insulators was awarded on contract. Survey works were completed. Tree clearance was in progress.

Theni-Sembatti 110 KV. D.C. line.—The construction of line was awarded on contract. Survey works and tree clearance were completed. Excavation for the foundation of towers was in progress. This line was being executed under priority to stabilise power supply to construction works of Periyar Project.

Sembatti-Tiruchirappalli 110 KV. D.C. line.—This line is to be erected departmentally. Materials required for the line construction have been ordered. The towers will be fabricated at Mettur and supplied. Survey works, plotting profiles and preparation of tree valuation schedules were in progress.

Sembatti-Karur 66 KV. single circuit line.—This line is also to be erected departmentally. Survey work has been completed and profiles and schedules were under scrutiny. Materials required have been ordered on various firms.

Kundah Hydro-Electric Scheme.—Preliminary works were under progress.

Pykara Dam Division—The valve of the scour pipe of Pykara Dam developed a defect and it could not be closed. It was found not possible to lower the gates as there were obstructions. As the lake level was high and as the reservoir could not be emptied to facilitate the work, a diving party consisting of one officer and six divers was obtained from the Indian Naval Station, Vendurthi, Cochin, and the obstructions over the power and scour pipes were cleared and the gates lowered. The defective valve was also rectified.

22. *Accidents*.—During the year 22 non-electrical accidents occurred in the General Construction Circle and compensation amounting to Rs. 994-8-0 was paid. In Generation Circle, Madras System, 89 accidents occurred and compensation amounting to Rs. 2,979-11-0 was paid.

23. *Problems faced by the department*.—There were no special problems faced during the year except for bottlenecks in supply of cement and steel which continued to be acute. These were overcome by getting the materials from other systems and circles and stoppage of works was avoided.

24. *Programme for 1956-57*—(1) *Pykara-Coimbatore-Madurai 110 KV. line*.—The works at Thudiyalur and Pasumalai sub-station will be completed.

(2) *South Kanara Extension Scheme*.—Hulikal-Mangalore 110 KV. line would be completed.

(3) *Salem-Namakkal 110 KV. line*.—Erection of 110 KV. and 22 KV. switchgear will be completed by about August 1956.

(4) *Singarappet-Vellore 66 KV. and second circuit line*.—Works on this line will be completed and the line handed over to Operation and Maintenance by September 1956.

(5) *Transmission lines under Periyar Hydro-Electric Scheme*—*Periyar-Theni, Theni-Madurai and Theni-Sembatti 110 KV. D.C. lines*.—Stub-setting, tower erection and stringing will be completed and the lines will be ready during this year.

Sembatti-Karur 66 KV. and Sembatti-Tiruchirappalli 110 KV. lines.—These lines will also be arranged to be completed departmentally.

(6) The construction of the following lines will be taken up during the year :—

(i) Villupuram-Pondicherry line.

(ii) Villupuram-Neyveli line.

(7) *Travancore-Cochin border to Udamalpet 110/66 KV. D.C. line*.—Stub-setting, concreting, tower erection and stringing of conductors will be completed by August 1956 and the line handed over to Operation and Maintenance by middle of October 1956, if the agreement is signed immediately.

(8) *Office buildings of the Superintending Engineers at Madurai and Coimbatore*.—The office building at Madurai will be nearing completion and the one at Coimbatore will be taken up during the year.

PERIYAR HYDRO-ELECTRIC SCHEME.

25. *General*.—The execution of this scheme was under the control of the Superintending Engineer, General Construction Circle, till April 1955, when a new circle with three divisions was formed for execution of the project works except the erection of transmission lines and sub-stations sanctioned under this



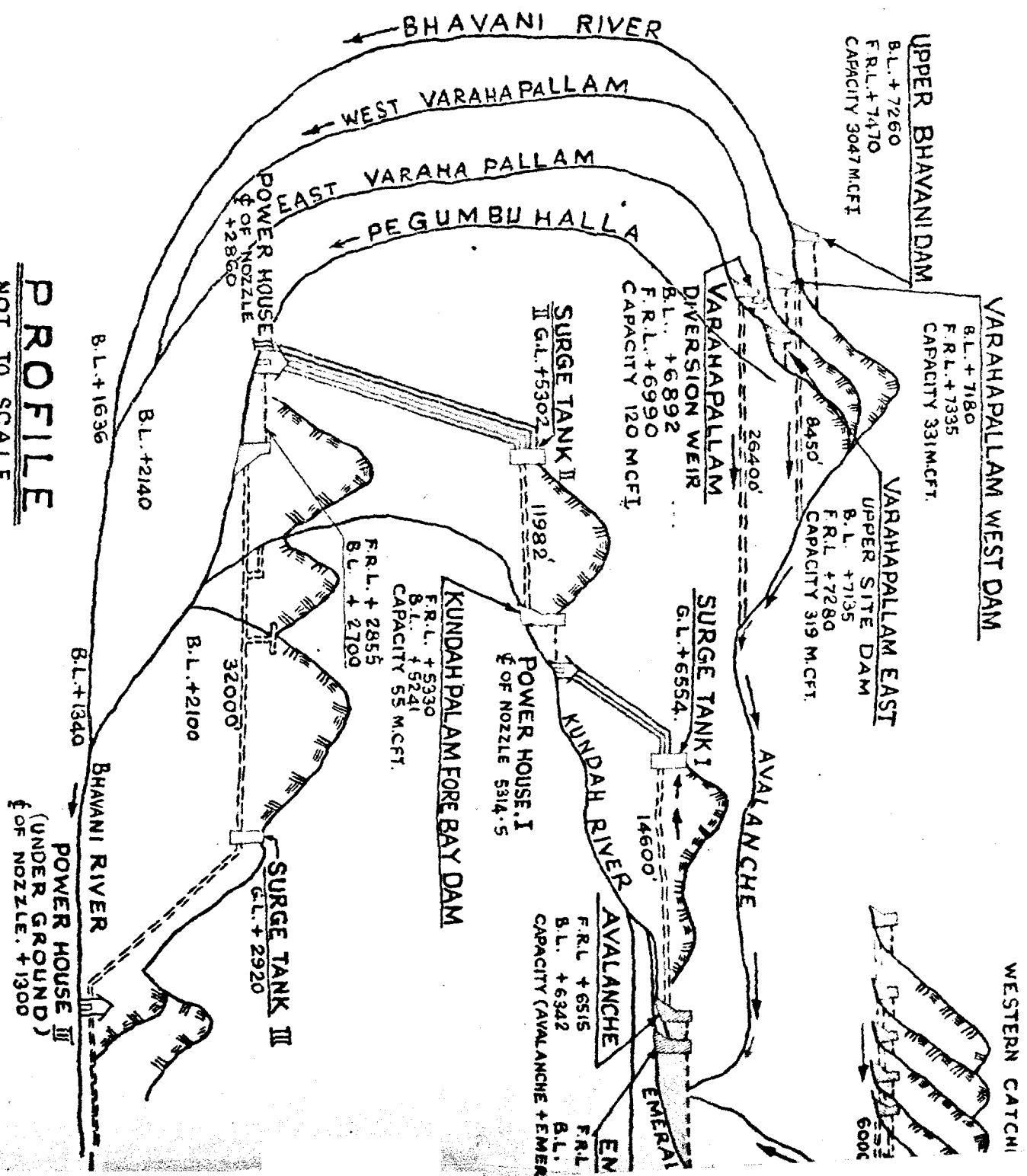
PYKARA DAM—WITH ALL THE 3 GATES ERECTED.



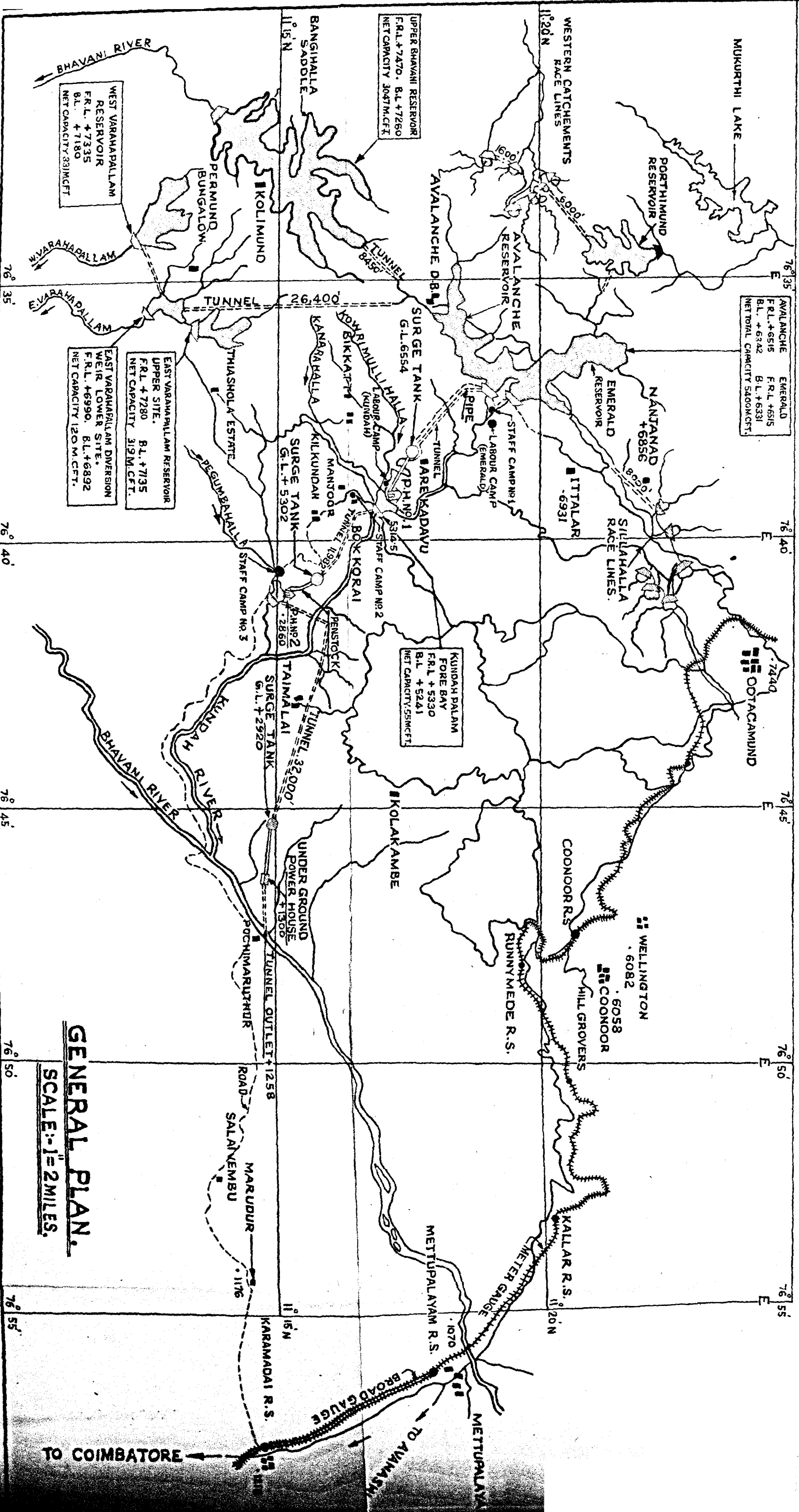
PYKARA DAM—DECK BRIDGE WHEN R.C.C. DECK SLAB FOR ALL THE 3 SPANS ARE COMPLETED.

The map illustrates the geographical context of the Kunda Project in South India. Key features include:

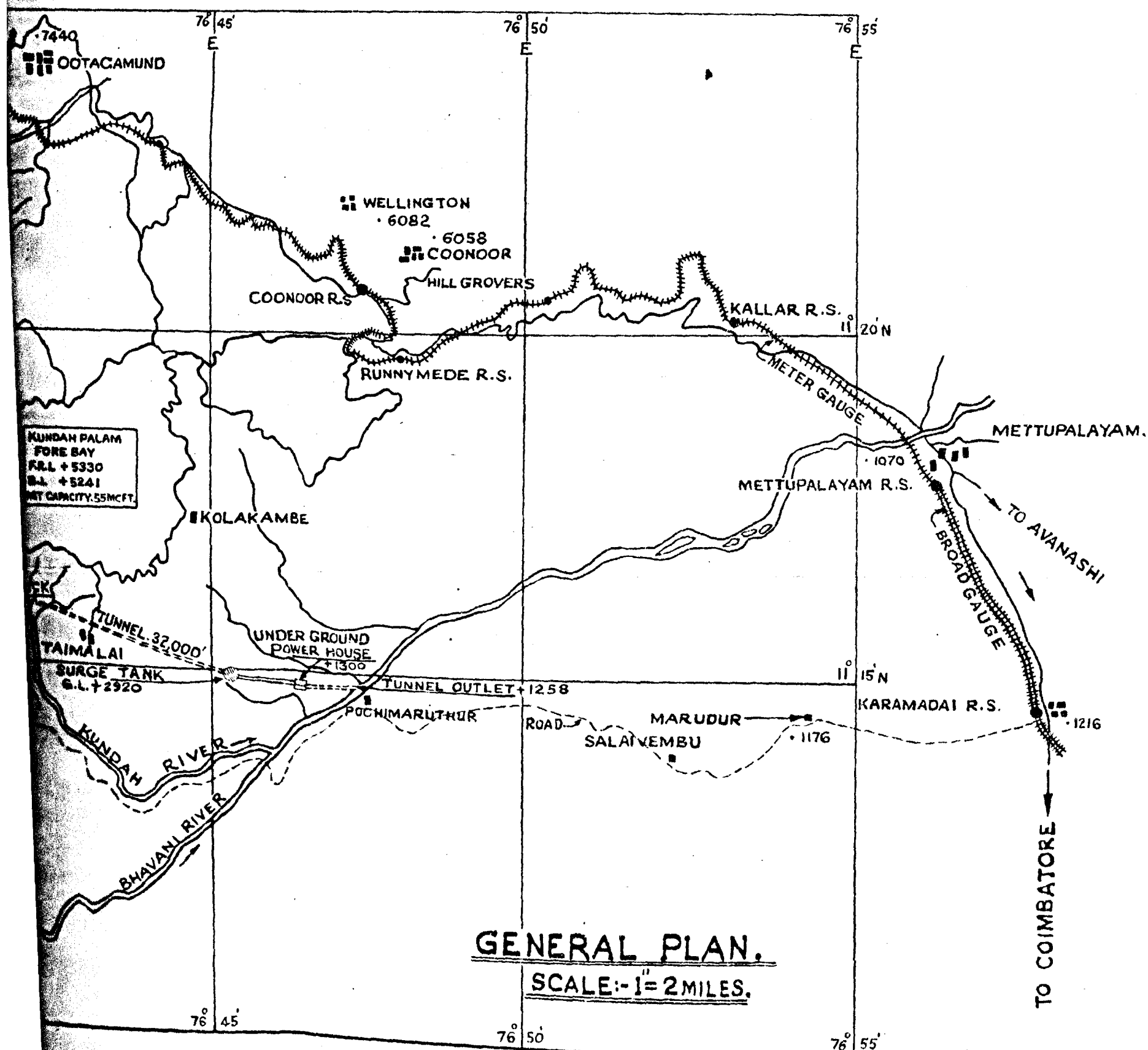
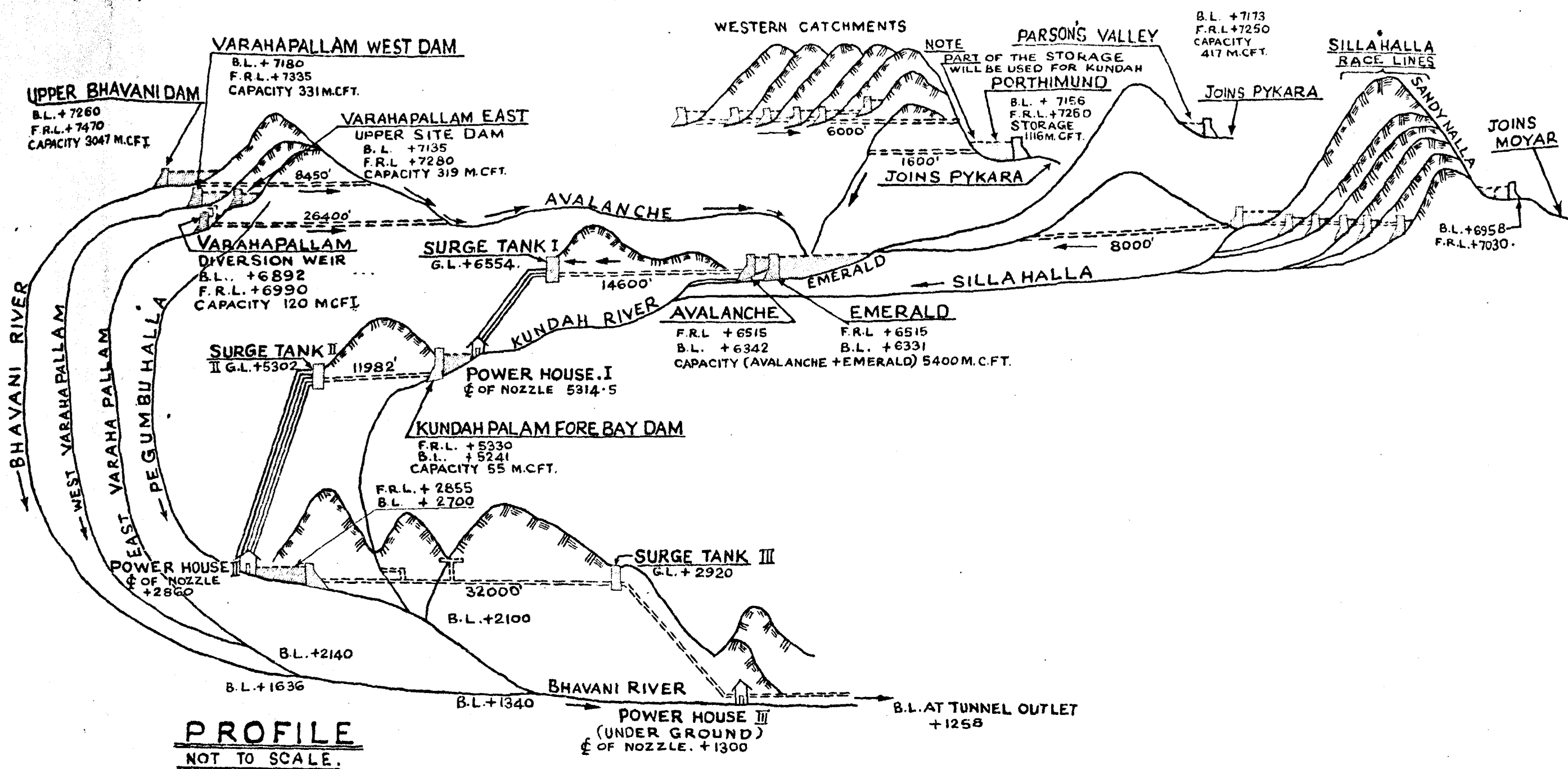
- Coastal Features:** Arabian Sea (top left), Bay of Bengal (top right), Gulf of Mannar (bottom left).
- Major Cities and Towns:** Mangalore, Bangalore, Mysore, Madras, Pondicherry, Karaikal, Tuticorin, Pamban, Virudunagar, Ramanathapuram, Madurai, Karur, Tirupur, Tiruvallur, Karaikal.
- Kunda Project Route:** A line connecting Shoranur, Coimbatore, Pollachi, Trichinopoly, Erode, Salem, Cuddalore, Villupuram, Pondicherry, Karaikal, and Madras.
- Other Locations:** Tenkasi, Tirunelveli, Tiruchendur, Tuticorin, Pamban, Virudunagar, Ramanathapuram, Madurai, Karur, Tirupur, Tiruvallur, Karaikal.



NOT TO SCALE.



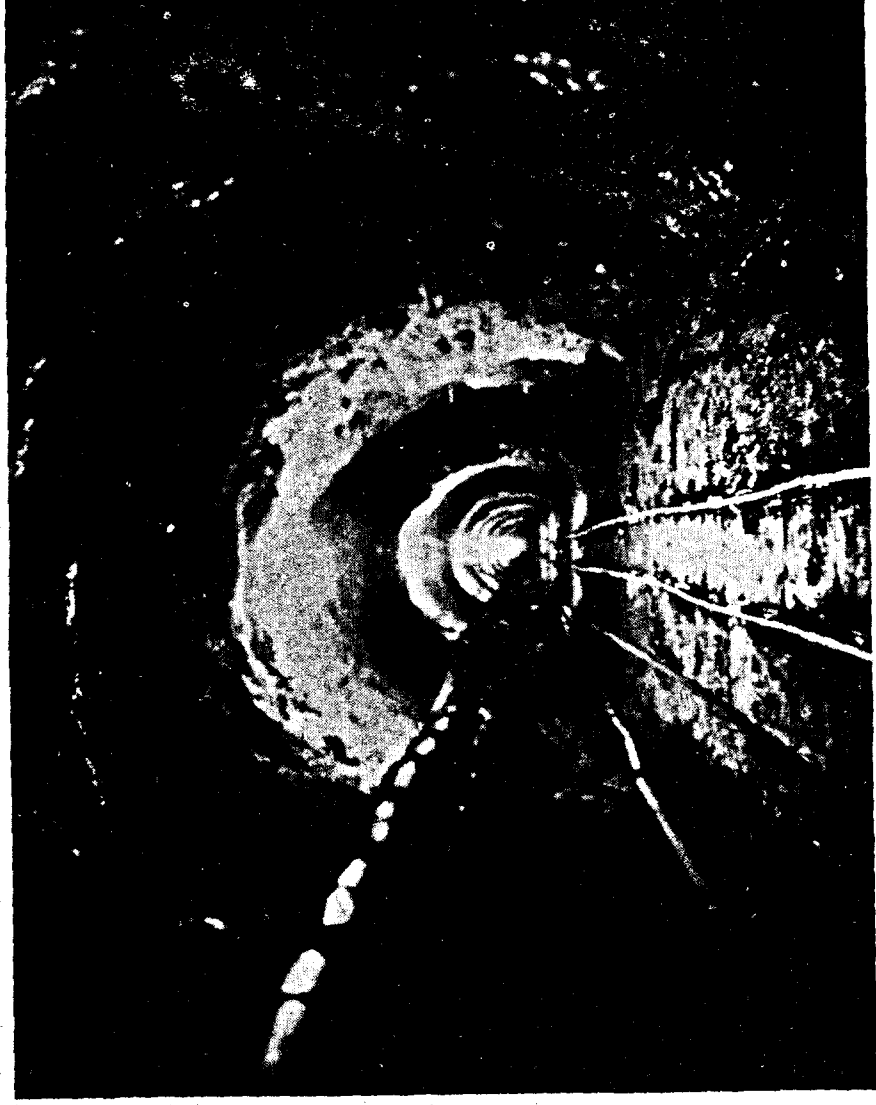
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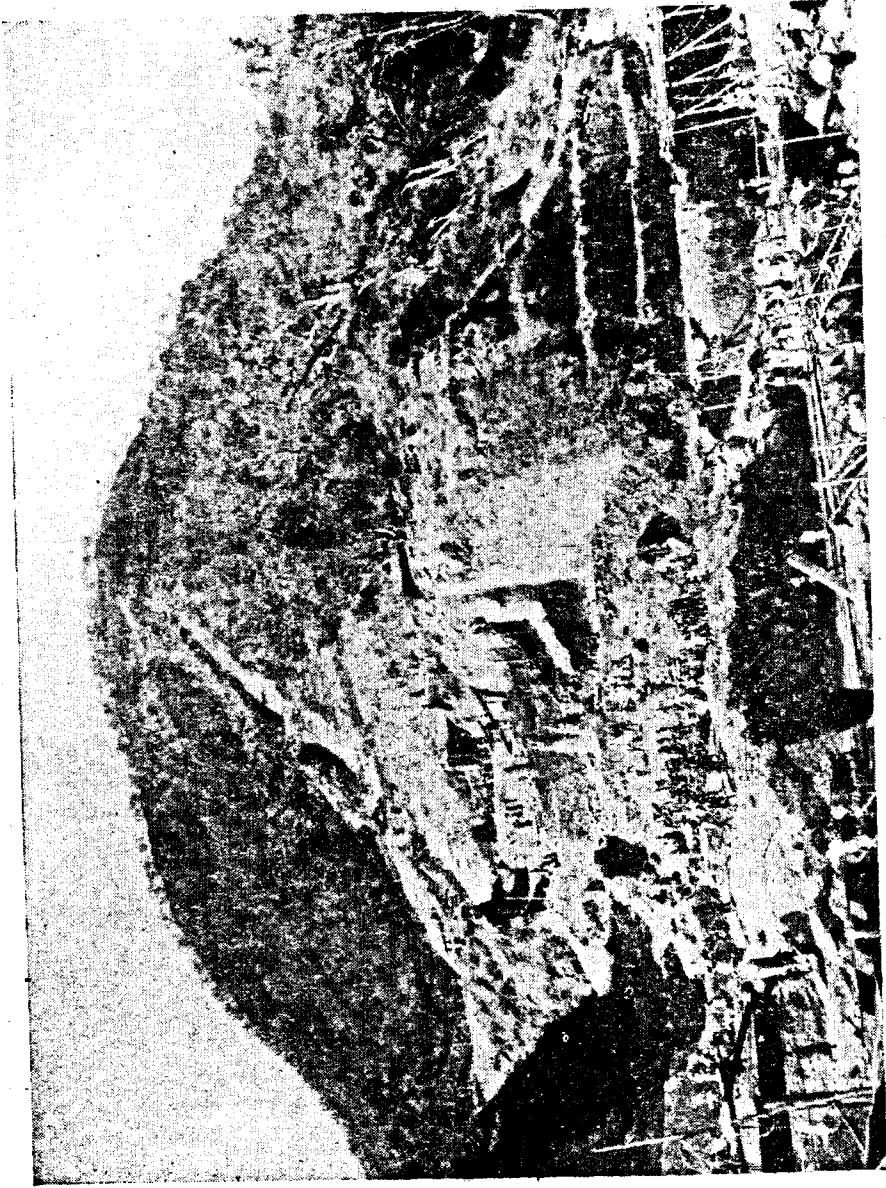
REFERENCE	DRAWN P.K.J & R.V.	GOVT. OF MADRAS. ELECTRICITY DEPARTMENT.	PLAN NO. KU.10/1
	TRACED R.R.N.	KUNDAH H.E. SCHEME.	SCALE:- AS NOTED.
REVISION	CHECKED	LOCATION, GENERAL PLAN & PROFILE OF THE SCHEME.	DATE:- 23-4-56.
	APPROVED		



PERIYAR—A VIEW OF FOREBAY DAM.



PERIYAR—POWER TUNNEL TOWARDS FACE 3.



PERIYAR--PENSTOCK GRADING VIEWED FROM POWER HOUSE SITE.

scheme. The circle office was functioning at Uthamapalayam till August 1955 (i.e.), until a portion of the camp building with water-supply was completed at the works-site at Periyar.)

Land acquisition.—Valuation of patta lands was completed. Permission from Travancore-Cochin Government was also obtained for temporary works in their forest lands pending finalization of the Inter-State agreement regarding generation of power.

Camps and roads.—Access roads to the work-sites were formed except to valve house, which was in progress.

All permanent and temporary buildings with water-supply, drainage and sewage were completed and occupied. Power supply was effected for works and camps. Departmental phone system was extended to the works and camps.

Irrigation tunnel.—A portion of the work for widening and lining of the tunnel was started departmentally during the closure season of March to June 1955 and the balance of work was entrusted to a private contractor. Widening was proceeding briskly from 6 faces and about 30 per cent of widening was completed.

Forebay dam.—With the diversion arrangements for irrigation flow on the left side, excavation in the flanks was nearing completion. The balance of excavation and preparation of foundation in the bed and sides after the irrigation flow was stopped was in progress for construction of the dam.

Power tunnel and pipe tunnel and surge shaft.—Contract for tunnelling to be completed by March 1957 was awarded and 90 per cent of tunnelling was completed during the year. The surge shaft was sunk and the tunnelling of the pipe tunnel was in progress.

Seventy-five per cent grading of penstock slopes was completed and diversion at two road crossing bridge sites formed. For Power House and tail race 75 per cent of the excavation below floor level for machine foundations and for tail race pool was completed. Excavation for the second stage of diversion channel was in progress.

Orders were placed for supply of generating plant and machinery with all the allied equipments at Power House and Penstock within stipulated periods governed by penalty clause to enable erection and commissioning of the first generator by December 1957.)

Problems.—The formation of access roads to surge shaft and valve house was to be done through steep rocky terrain overhanging the main Kumili-Periyakulam road below with incessant traffic. Blasting here was restricted during night only and had to be done with extra caution and vigilance. The tackling of the work in the irrigation tunnel during the short period of three months with all the attendant difficulties and discomforts in the old tunnel was a stupendous job. The diversion works at Forebay dam and the channel for the trailrace at Power House could be executed only during the closure season of three months from 1st March to 31st May.

Programme for 1956-57.—Survey of forest lands will be completed and lands required will be taken over. Camp roads and road to valve house will be completed.



PERIYAR—POWER HOUSE EXCAVATION FROM NORTHERN CORNER OF P.H.

Widening of the irrigation tunnel and lining of the same with concrete will be completed.

For forebay dam excavation will be completed and masonry in dam to the extent of 50 per cent completed.

Boring of power tunnel, lining of the surge shaft and pipe tunnel will also be completed.

Grading of penstock and construction of three Nos. R.C.C. Tee Beam bridges, anchor excavation, concreting of superstructure and construction of piers will be completed.

The work on construction of the Power House will be in progress.

KUNDAH HYDRO-ELECTRIC SCHEME.

26. *General.*—This scheme, the biggest Hydel project in the Madras State, is to meet the growing demand for power in the State. It is estimated to cost about Rs. 35 crores.

The Planning Commission has approved the inclusion of the scheme in the Second Five-Year Plan. The scheme as envisaged covers only stages I and II. The scheme is expected to go into operation by 1959-60.

Kundah works.

The preliminary works on the scheme were commenced from August 1955.

Ordering and collection of construction plants and tools including transport vehicles were in progress.

Tenders were called for, for the construction of temporary quarters at Kundah Camp and work was commenced after levelling the site.

Jungle clearance, levelling the sites, etc., various works were in progress.

Investigation and survey for roads in the project area and laying approach roads for immediate use were in progress.

The site of inauguration was levelled and the inauguration pillar erected.

The scheme will be inaugurated on 29th June 1956 as programmed.

The materials and equipment will be provided under the Colombo Plan by the Canadian Government. The specification for all the equipments including generating machinery, transmission lines and substations, have been approved by the Montreal Engineering Company on behalf of the Government of Canada and the specification will issue before the end of July 1956.

The plant and equipment are expected to be ordered before the end of 1956.

Programme for 1956-57.—Preliminary works, investigations and detailed survey will be completed.

The survey for roads in the project area, laying of roads, construction of non-residential buildings for stores, outpost, office construction of permanent staff quarters and explorations for the dam foundations will be taken up.

KUNDAH HYDRO-ELECTRIC SCHEME.



EMERALD DAM SITE.



SITE FOR KUNDAH POWER HOUSE NO. 1.



SITE FOR KUNDAH POWER HOUSE NO. 2.

TECHNICAL BRANCH.

27. *General.*—The technical branch comprising one electrical circle and one civil circle as usual continued to be very busy with preparation of designs, estimates, study of technical problems, investigations and hydro-metric surveys, preparation of scheme reports, issue of specifications, awarding of contracts, etc., in respect of all Civil and Electrical works pertaining to the systems and schemes under execution. The most important items of works amongst them are detailed below.

(In September 1955, the Government authorized the taking up of the preliminary works of the Kundali Hydro-Electric Scheme pending issue of orders sanctioning the execution of the scheme. The Planning Commission also approved that the preliminary works might be taken up for execution and that the expenditure on these preliminary works might be met from the financial provision available for other schemes in the First Five-Year Plan.)

Reports in respect of the following new schemes were prepared during the year :—

	RUPEES IN LAKHS.
(a) Namakkal-Thattiangerpur 22 KV. extension to effect an additional point of supply to Messrs. South Madras Electric Supply Corporation.	2.90
(b) Improvements to Coimbatore Rural West feeder area	3.85
(c) Karamadai-Kallar-A.G. Pudur 11 KV. lines changeover to 22 KV. operation.	2.886
(d) Mani-Puthur extensions	11.150
(e) Kumbala-Kasergode extensions	7.996
(f) Karkala-Mudibidri extensions	6.583
(g) Payyanur-Madai extensions	15.82

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

	Cost. RUPEES IN LAKHS.
1 Increased in transformer capacity at 9 Nos. sub-stations in Hydro Systems-Ooty.	19.149
2 Harur extensions	13.072

The following new schemes were sanctioned during the year :—

Name of the scheme.	RUPEES IN LAKHS.
1 Extension of 110/66 KV. D.C. line from Travancore-Cochin State border to Udumalpet and additional equipments at Udumalpet.	26.67
2 Advance construction of the Tanjore-Sivaganga and Sivaganga-Ramanathapuram 66 KV. line under Periyar Hydro-Electric Scheme. Provision in estimate for Periyar Hydro-Electric Scheme.	70.10
3 Karamadai-Kallar-A.G. Pudur 11 KV. line changeover to 22 KV. operation.	2.88
4 Changeover of Sivaganga-Thirupattur 11 KV. line to 22 KV. operation ..	1.47
5 Increase in Transformer capacity at Coimbatore Receiving Station ..	5.17
6 Kemp-Hejmadi extension	10.62
7 Mangalore-Moolky extension	16.542
8 Mangalore-Buntawal	4.669
9 Improvements to Coimbatore Rural West Feeder area	3.850

Some of the important specifications issued during the year are detailed below :—

(1) *Electrical*.—Detailed specifications were prepared for the following :—

- (a) Coal crusher for Basin Bridge Power Station.
- (b) Mettur-Madras Interconnection Scheme 33/11 KV. substations (equipment).
- (c) Extensions supply from Travancore-Cochin State to Udumalpet.
- (d) Neiveli-Villupuram 110 KV. D.C. line.
- (e) Distribution transformers, H.T. insulators, cables, tractor, trailers, second-hand rails, A.C.S.R. conductors, house-service meters, etc., required for intensive rural electrification works.

(2) *Civil*.—The civil branch prepared the specifications for the following :—

- (a) Supply, fabrication and erection of building steel frame works for Basin Bridge Power Station III stage extensions.
- (b) Construction of R.C.C. pile foundation, construction of R.C.C. slab and construction of superstructure for the main power house for Basin Bridge Power Station III stage extensions.
- (c) Gate with hoisting gear at irrigation tunnel, gate screen, end pipe for the power tunnel and scourvent of Forebay Dam for Periyar Hydro-Electric Scheme.
- (d) Various residential buildings such as 6G, 4E, 4F, 2AE type quarters, Executive Engineer's quarters, Inspection Bungalow, water-supply to camps and supply of pipes, etc., in connection with Kundah Hydro-Electric Scheme.

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

	RUPEES IN LAKHS.
1 Contract for 10 Nos. 14,000 KVA. 11 KV./110 KV. single phase transformers.	11.69
2 Contract for 3 Nos. 35,000 KW. Generators and indoor switchgear for Periyar Hydro-Electric Scheme.	47.79
3 Contract for 3 Nos. 50,000 B.H.P. 750 R.P.M. Francis Turbines for Periyar Hydro-Electric Scheme.	21.66
4 Contract for outdoor switchgear for Periyar Hydro-Electric Scheme ..	8.41
5 Supply and erection of transmission line materials for the three lines under Periyar.	47.37
6 C.W. pumps and pipes for Basin Bridge Power House	5.998
7 Contract for 1 No. 30 MW. Turbo-alternator set and accessories for Basin Bridge Station.	34.50
8 Contract for 2 Nos. 150,000 lbs/hr. Boilers for Basin Bridge Station ..	75.450
9 Contract for Substation equipments	30.244
10 Tunnel, surge shaft and pipe tunnel for Periyar Hydro-Electric Scheme.	27.59
11 Supply and erection of penstock pipes for Periyar Hydro-Electric Scheme.	45.38
12 Supply and erection of cooling tower for Basin Bridge "B" power station.	9.89
13 Purchase of core drills, diesel locos, concrete mixers, stonecrushers and granulators for Kundah Hydro-Electric Scheme.	13.92

In addition to the above, H.T. and L.T. materials and spares required for the Operation and Maintenance purposes and rural electrification works amounting to Rs. 771.47 lakhs were ordered during the year.

Rural extensions.—Seven hundred and twenty-eight major, and minor extensions estimated to cost about Rs. 879.495 lakhs were scrutinized and sent up for sanction. One hundred and forty-five major and minor extensions costing about Rs. 346.89 lakhs were sanctioned by Government. Seven minor schemes costing Rs. 7.146 lakhs were under scrutiny.

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 were continued.

The number of rainfall stations rose from 464 to 523 and river flow stations from 24 to 33 during the year. The construction of measuring weirs, rainfall stations, rest sheds, etc., sanctioned under the five-year programme were under various stages of progress.

Hydro-Electric Surveys.—Detailed investigation of Kumbar-Amaravathi Hydro-Electric Scheme and all preliminary works connected with Coonoor-Kateri and Palar-Porandalar Hydro-Electric Scheme were under progress.

Designs, drawings and scheme report for the Sandynallah Reservoir Scheme were under preparation.

Preliminary survey of the Mettur Tunnel scheme was taken up.

The teakwood scantling ordered for replacement of timberfill in Natural Draught Cooling Tower No. 1 could not be brought to site in time due to delay in receipt of wagons.

The matter was taken up with the Development Commissioner and with his assistance wagons were arranged for and the materials were brought to site.

The urgent requirements of steel materials for extensions were furnished to the Central Water and Power Commission for supply during period II/54 from Indian Producers. As it was found that there would be considerable delay in obtaining the steel materials from indigenous sources the Iron and Steel Controller was requested to arrange for the immediate import of the steel materials urgently required by the Department. Out of the total requirements of 840 tons, 360 tons were received and the balance of 480 were yet to be received. The matter of delay in supply has been taken up strongly with the Iron and Steel Controller.

With regard to iron and steel materials required for Periyar Hydro-Electric Scheme, the supply position was not satisfactory. This was brought to notice of the Iron and Steel Controller and over-riding priorities for supply of essential materials such as G.C.I. sheets, etc., were obtained and forwarded to suppliers. The supply position of G.C.I. sheets for quarters, etc., was so acute that the Director of Industries had to be approached to release a portion of the requirements from the State quota. About 500 tons of 1½ inches diameter rods required for tunnel lining works were not received. An Officer of the Department met and explained the difficulties to Iron and Steel Controller and procured a meagre supply of about 60 tons of rods only from one of the local stockists in Calcutta.

During the year the Technical Branch (Electrical) of this Department participated in the Park Fair Exhibition at S.I.A.A., Madras, in January 1956 and in Mahamakham Festival at Kumbakonam in February 1956.

OPERATING SYSTEMS BRANCH.

28. *General.*—This branch with four Operating Systems—Pykara, Mettur, Papanasam and Madras and the two Generation Circles with headquarters at Erode and Madras under it functioned satisfactorily during the year.

The demand for power in the State showed phenomenal increase from 181.6 MW. last year to 208.6 MW. this year.

Supply was maintained without any power cuts throughout the year in the Hydro and Thermal areas. The generation during the year went up to 869.1 million units in the Hydro areas and recorded an increase of 13 per cent over the corresponding generation figure for 1954-55.

The water position in the reservoirs was satisfactory for most of the year. But due to the failure or weak monsoons, inflows into the reservoirs were not ample with the result that by the end of the year under review, the combined storage in all the reservoirs proved to be inadequate to meet the increasing consumption in Hydro areas and a cut of 25 per cent in consumption was inevitable with effect from 1st April 1956.

A total thermal relief of 63.5 million units (Madurai 28.4 and Madras 35.1) was availed for the total demand of 863.4 million units in the Hydro-Electric areas. The Madurai Thermal Station remained shut down during the major portion of the first half of the year due to favourable water position in Hydro areas. The station commenced to give full relief with both sets running almost continuously from third week of January 1956.

At Madurai Thermal Station the bearing of the 10 MW. set suffered damage due to failure of oil supply to the bearings. The damage was rectified by the suppliers and the set was recommissioned in October 1955.

Under II stage in the Basin Bridge Power-house the erection of second 80,000 lb./hr. boiler was awaiting erection of structural steel work. Erection of steel work was expected to be completed shortly and erection of boiler by 1st April 1956. It was programmed to commission the boiler in November 1956.

The erection of the 110 KV. O.C.B. for the Pykara-Coimbatore III circuit at Pykara Power-house was completed. The O.C.B. was test-charged satisfactorily in July 1955.

The erection of the IV 12.5 MVA. transformer at Mettur Power-house was completed and the same was commissioned satisfactorily on 27th May 1955.

In the Papanasam System 66 KV. Thalayuthu feeder was commissioned on 19th April 1955.

The following transmission lines were completed :—

- (a) 20 miles of 66 KV. line from Somanur to Puliampatti.
- (b) 16.2 miles of 83 KV. line from Ingur to Olapalayam.
- (c) The Vellore-Arni 66 KV. line.

(d) The Erode-Salem 66 KV. line changeover to 110 KV. operation on 29th January 1956.

(e) The 33 KV. Thalayuthu-Srivaikuntam line.

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

GENERATION CIRCLE (HYDRO AREAS). ERODE.

29. *General.*—The Generation Circle at Erode in charge of the four Hydro Stations—Pykara, Moyar, Mettur and Papanasam, the Madurai Thermal Station, the Receiving Station at Erode and Kattabettu sub-stations complete the fifth year, since its formation in December 1951. The transformer erection division, Erode, continued to be under this circle. The transformer erection division at Mettur which was also attached to this circle was closed in May 1955.

At Pykara Power-house the erection of the 110 KV. O.C.B. for the Pykara Coimbatore III Circuit was completed. The O.C.B. was test-charged satisfactorily in July 1955.

The erection of the No. IV 12.5 MVA. transformer at Mettur Power-house was completed and the same was commissioned satisfactorily on 27th May 1955.

The Erode-Salem single circuit line was changed over to 110 KV. operation on 29th January 1956.

On the switching of 11 KV. supply to Shenbagapudur from Puliampatti sub-station, the temporary 110/11 KV. sub-station at Shenbagapudur tapped off Erode-Moyar No. 1 110 KV. line was closed on 19th February 1956.

At Madurai Thermal Station on 24th July 1955, the 10 MW. set suffered damage due to temporary failure of oil supply to the bearings. The damage was rectified and the set recommissioned during October 1955.

At Papanasam Power-house on 25th September 1955 the turbine floor was flooded due to faulty operation of C.B. valve No. 4 resulting in total shut down of the Power Station. The Power-house was recommissioned on 27th September 1955.

Unrestricted supply was maintained in all the areas of the grid during the year. The consumption rose by 13 per cent over the consumption for the year 1954-55 in the Hydro areas. The simultaneous demand on Hydro systems was 148.7 MW. against 130.5 MW. in 1954-55. The storage position in all the Hydro Station reservoirs was good at the commencement of the year. But due to the failure of the monsoons, the inflows in the Papanasam Reservoir were poor. The inflows in the Mettur Reservoir also were not satisfactory. Consequently near the close of the year under review, the combined storage in all the reservoirs proved to be inadequate to meet the consumption in the Hydro areas. During the ensuing summer period, even with maximum relief from Thermal Stations, a cut in energy up to 25 per cent in Hydro areas will be contemplated from 1st April 1956.

The power demands of the three hydro systems totalled 169.2 MW. against 144.5 MW. in 1954-55. The energy generated in the Hydro systems and

the Madurai Thermal Station amounted to 869.1 million units. Details of power demand and energy generated are furnished hereunder:—

Name of system or power station.	System demand in MW.	System consumption in million units.	Station demand in MW.	Total generation in million units for the year.
(1)	(2)	(3)	(4)	(5)
Pykara system	71.2	346.37	70.9	355.35
Moyar	..	..	36.6	151.72
Mettur system	69.5	366.32	41.2	213.76
Papanasam system	28.5	150.74	28.0	119.85
Madurai Thermal Station	..	..	13.2	28.41
Total	169.2	863.43	189.9	869.09 or 869.1 MW.

Generally all the four Hydro Stations were working in parallel with Madras Thermal Station. A total thermal relief of 63.5 million units (Madurai Thermal Scheme, 28.4 and Madras 35.1) was availed for the total demand of 863.4 million units in the Hydro areas. The Madurai Thermal Station remained shut down during the major portion of the first half of the year due to favourable water position in Hydro areas. The station commenced its full relief with both sets running continuously from the third week of January 1956 except for short durations for maintenance. The energy relief exported to Madras by Hydro systems during the year was 40.3 million units.

30. *Pykara station—General.*—The year under review was the twenty-third year of operation of this station. The operation of the station during the year was satisfactory. The peak-load of the station reached 70,900 KW. while the Pykara System peak was 71,200 KW. The total units generated at the station for the year were 355.35 million units.

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:—

	1954-55.	1955-56.
Maximum level reached at Mukurti lake ..	6,884.0 ft.	6,884.0 ft.
Storage	1,793.0 m.cft.	1,793.0 m.cft.
Total rainfall in inches—		
Mukurti	100.82	98.27
Glenmorgan	68.07	64.99

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

Owing to tripping of the Pykara-Coimbatore feeders and Pykara-Moyar feeders the station got separated fifteen times for short durations during the year but was reparalleled quickly with minimum interruption to service.

For improvements to the water-supply arrangements, erection of tanks and installation of pressure fitters and chlorinating equipment (at Singara) were completed. At Glenmorgan, the installation of new tanks was completed. Chlorinating plant was being installed. The plinth for the third 5 MVA. transformer to augment supply to West Coast was erected. The erection of the 110 KV. O.C.B. for the Pykara-Coimbatore III Circuit at Pykara was completed and the same was test-charged in July 1955 satisfactorily.

31. *Moyar station.*—This was the fourth year of operation of this station and the operation was satisfactory. The peak load reached on the station was 36.6 MW. The total number of units generated was 151.7288 million units.

Construction of a Mulsifyre valve house at Moyar Power-house was completed. The erection of pipes and valves for Mulsifyre protection works was in progress.

32. *Mettur Power Station—General.*—This was the nineteenth year of operation of the station. The station was in satisfactory service during the year. The station peak was 41.2 MW. and the system peak was 69.5 MW. The total number of units generated during the year was 213.76 millions.

Water conditions.—The water position at Mettur reservoir was not very encouraging during the year. The inflows into the reservoir were not ample during the south-west monsoon period.

The irrigation discharge which commenced on 20th June 1955 was closed on 7th February 1956. The maximum level reached during the year 770.9 on 9th November 1955 against the F.R.L. of 790.0. Thereafter, the lake level did not rise up and the water position was not quite satisfactory.

Power-house.—The operation and maintenance of the machines were satisfactory. Maximum generation was maintained at the station for a major portion of the year utilizing the irrigation discharge.

The newly erected 12.5 MVA. IV power transformer was commissioned satisfactorily on 27th May 1955. The Mulsifyre extension works were started by the contractors on 14th July 1955. The emergency hoisting gears, gates of 2, 3 and 4 machines, 3 Nos. trash rack screens and the flood discharge gate were inspected and overhauled. Bucholz relays were fitted up on the 3 Nos. Salem transformers and 2 Nos. 10,000 KVA. reactors and connected up for alarm and tripping.

Erode sub-station.—A loop line connecting the main 110 KV. top bus and the autos 110 KV. bus was strung up as an interim arrangement for feeding the autos alternatively other than through the single group control ABCB in the case of emergency or when the group control ABCB is to be taken out for maintenance.

On 20th July 1955 there was a total interruption to the station for 11 minutes when the Auto (3) tripped on O/L which in turn pulled out the other autos and the group control ABCBS. There was a flash over between the yellow and blue phases on the incoming side of the group control ABCB and arc quenching nozzle pipes were found to be blocked. These were cleaned and substitute metal seated control valves were fitted and the tripping times were improved to a very nearly the original values.

The Salem 110 KV. feeder terminal tower was shifted to a new location in alignment with the Salem feeder take off bay. A loop line was strung connecting this terminal tower with the Mettur feeder No. 2 terminal tower and the line was changed over to 110 KV. operation from 29th January 1956 with the Mettur feeder No. 2 breaker controlling it.

The 110 KV./66 KV., 12 MVA. Auto transformer No. 5 was released for transport to Pasumalai. The 3,000 KVA. 110 KV./11 KV. transformer No. 2 at Shenbagapudur was released on 15th August 1955 and transported to Mangalore. Consequent on the extension of 11 KV. supply to Shenbagapudur from Puliyampatti sub-station the temporary Shenbagapudur sub-station was closed.

33. *Papanasam Station.*—This was the twelfth year of operation of the station. Supply from the station was interrupted due to the flooding of the station on 25th September 1955 consequent on mal-operation of C.B. valve of No. 4 unit. The flooding caused the entire station to be shut down. After continuous rehabilitations and repair works, the station was brought to normal condition on 27th September 1955.

The peak load of the station was 28 MW. and the total number of units generated was 119.85 million units. The system peak was 28.5 MW. as against 26.3 MW. in the previous year.

Water conditions.—In the Papanasam catchment area though the south-west monsoon was active in the beginning, it did not intensify after July. North-east monsoon was also not satisfactory during the year. The inflows in the Papanasam reservoir were, therefore, poor during the year.

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

	1954-55.	1955-56.
	INCHES.	INCHES.
Dam Camp (Upper camp)	70.17	73.41
Papanasam Camp (Lower)	37.18	41.62

Thambraparni Dam.—The dam and its control valves were maintained properly and the discharge regulator functioned satisfactorily. Replacement of wire ropes for the shut off gates was done. The diversion weir and controls were functioning normally.

A new 66 KV. Thalayuthu feeder was commissioned on 19th April 1955 and this had taken up all the loads up to Melakallur sub-station.

The existing 66 KV. station power transformer was shifted to the new location near power transformer IV and was commissioned.

Overhaul of 2,000 KVA. transformers 1 and 2 changing of oil to 'B' grade were done.

34. *Madurai Thermal Station.*—The operation of the station at Samayalloor during the sixth year of operation was satisfactory. The peak load of the station was 13.2 MW. The total number of units generated was 28.417 millions, the consumption of coal being 32,024 tons.

On 24th July 1955 the 10 MW. turbo-alternator set suffered damage due to temporary failure of oil supply to the bearings. The damage was rectified and the set recommissioned during October 1955.

The station remained shut down during the major portion of the first half of the year, due to favourable water position in Hydro areas. It commenced to give full relief to the Hydro stations from third week of January 1956.

During November, December 1955 and January 1956 the relief from the station was not steady and power was generated according to the demand.

The ground balance of coal as on 31st March 1956 was 12,564 tons. This would be adequate for about 40 days only. Efforts were being made to augment supplies.

The annual overhaul of all the boilers, its auxiliaries, other electrical equipments, etc., were completed during the slack season of the year so that the station could function in the most efficient way during the dry months,

for giving maximum relief. The acid cleaning of the 10 MW. set condenser was carried out on 11th and 12th July 1955 and again on 19th and 20th February 1956. The 4 MW set condenser was also cleaned during July 1955.

Transformer Erection Division, Erode.—During the year this division was very active. To cope up with the additional works on hand a new section was formed in Salem subdivision in June 1955. Twenty-three transformers with a total capacity of 70,250 KVA. were assembled and installed.

Transmission lines.—The mileage of transmission lines at the end of 1955-56 is furnished below :—

Voltage.	Total length in miles at the end of 1954-55.		Lines added during 1955-56.		Total length in miles at the end of 1955-56.	
	Single circuit.	Double circuit.	Single circuit.	Double circuit.	Single circuit.	Double circuit.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
110 KV. ..	49.0	193.71	..	..	49.0	193.71
110/66 KV. ..	26	..	..	..	26	..
66 KV. ..	..	47	..	..	..	47
22 KV. ..	72.6	..	..	..	72.6	..
11 KV. ..	29.2	37	..	..	29.2	37
Total ..	176.8	277.71	..	..	176.8	277.71

Total length of single circuit and double circuit as on 31st March 1956 was 454.51 miles.

35. *Programme for 1956-57.*—Erection of third 5,000 KVA. transformer and its switchgear at the Pykara Power House.

Changeover of Tiruchirappalli third circuit to 110 KV. operation with the 110 KV. ABCB control. Grinding of runner bucket of Nos. 6 and 7 units by the erector of Messrs. Escherwyer at Singara Power House.

Mulsifyre erection works at Pykara, Moyar and Mettur power houses. Replacement of steel stiffener rings by non-magnetic rings in 1, 2 and 3 alteration in Papanasam Power House.

Painting the inside of Low Pressure Pipe line No. 1 at Papanasam. Replacement of the existing 22 KV. control kiosks by higher capacity O.C.Bs. as Erode sub-stations. Erection of Brown Boveri ABCP at Erode sub-station to control the Salem 110 KV. line. Provision of a group control minimum oil content 66 KV. O.C.B. for the 2000 KVA. 66/22 KV. transformer and putting the necessary 66 KV. switchgear connecting the transformer at the Erode sub-station.

PYKARA SYSTEM.

36. *General.*—The year under review was the twenty-third year of operation of the system. The operation and maintenance of the system were satisfactory during the year. The system peak load reached 71,200 KW. as against 59,800 KW. in 1954-55. The total number of units generated during the year was 507.07 millions (in Pykara and Moyar stations) against 368.25 millions in the previous year.

Water conditions were tending towards an unsatisfactory state near the close of the year.

During the year the Palghat licensee and the Bodinayakanur Municipal undertaking were taken over by Government.

A 6 MVA. M.V. make 110 KV./66 KV. auto-transformer was installed at Coimbatore R.S. and energised on 21st February 1956.

At Palghat sub-station one 250 KVA. 22/11 KV. transformer was replaced by a 500 KVA. unit on 5th December 1955 to cater to additional loads in the town area.

To meet the increased demand one 1,500 KVA. 66 KV./11 KV. transformer with bucholz relay protection was installed at Somanur sub-station and commissioned on 25th January 1956 in place of the existing 1,000 KVA. unit.

The Olapalayam sub-station was commissioned on 14th March 1956 with 2 numbers 1,500 KVA. transformers.

The existing 3 numbers 1,750 KVA. 66 KV./32 KV. power transformers at Udumalpet sub-station were replaced by 3 numbers 3,000 KVA. 66 KV./22 KV. units (derated to 2,500 KVA. each) with bucholz relay protection.

A 66 KV./11 KV. sub-station at Ingur and another at Puliampatti were commissioned during the year.

At Pollachi 2 numbers 1,000 KVA. 66 KV./11 KV. transformers were erected and commissioned.

Twenty-nine miles of 33 KV. line between Cannanore and Badagara was constructed during the year. The line was initially energised at 11 KV.

Extension of 66 KV. line from Somanur to Puliampatti was completed and the line energised.

Extension of 33 KV. line between Ingur and Olapalayam was completed and the line energised.

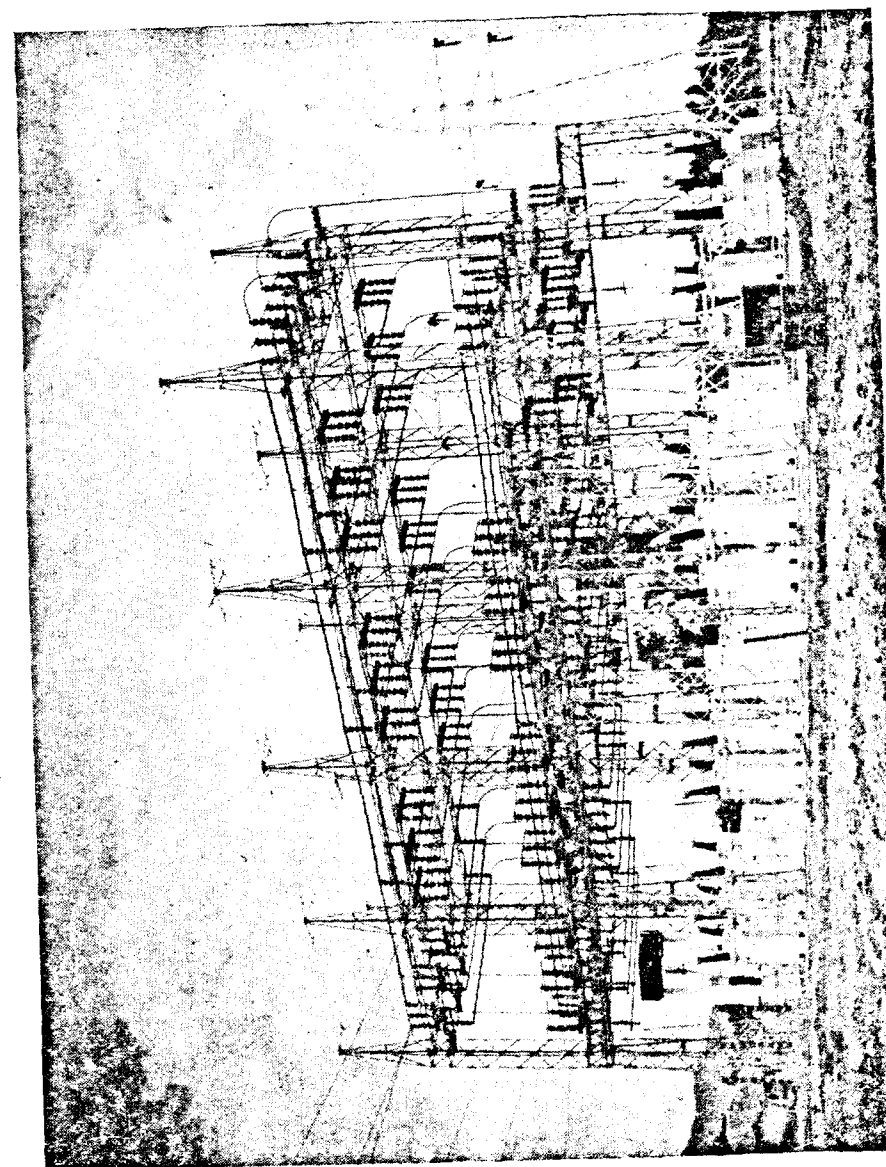
Eleven KV. metering sets were installed at P.S.G. College of Technology and at Chandra Textiles and H.T. supply was given to both.

One number 11 KV. control kiosk was rigged up in the Special Maintenance Section and erected at Singanallur temporary sub-station for use as bus coupler kiosk.

Necessary structures for the fourth 110 KV./66 KV. auto-transformer 110 KV. bus were fabricated locally and erected.

A number of rural extensions, major and minor were in various stages of progress. The more important of these are Shoranur, Kotayee, Badagara and Ingur (Malabar district), Mangalore-Mulki (South Kanara district), etc.

Three thousand three hundred and eighty-eight agricultural pumpsets with a connected load of 14,256.4 KW. were connected up during the year bringing the total number to 12,720 with a connected load of 56,306 KW. About 157 pumpsets were disconnected during the year.



TUDIALUR S.S.—OUTDOOR SWITCHING STATION.

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

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	6,800	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*	31.0
1939-40	24,900	114.7 ,, 3.81*	38.5
1940-41	26,200	136.13 ,, 0.67*	42.7
1941-42	28,900	156.57 ,, 0.03*	49.4
1942-43	30,600	165.14 ,, 2.38*	52.2
1943-44	31,600	165.74 ,, 7.78*	56.6
1944-45	30,300 (a)	158.59 ,, 2.86*	49.7
	26,600 (b)(1)		
1945-46	38,300 (a)	173.11	53.0
	27,150 (b)		
1946-47	37,800 (a)	145.0	52.6
	27,700 (b)		
1947-48	38,600 (a)	155.9	57.77
	32,050 (b)		
1948-49	42,800 (a)	208.2 plus 9.09*	72.83
	35,600 (b)		
1949-50	42,900 (a)	222.86 ,, 11.29*	86.37
	37,600 (b)		
1950-51	43,600 (a)	227.80 ,, 15.52*	93.61
	41,450 (b)		
1951-52	44,000 (a)	242.01 ,, ..	115.31
	47,400 (b)		
1952-53	44,000 (a)	220.75 ,, 84.563†	118.26
	45,100 (b)		
1953-54	44,000 (a)	199.488 ,, 85.90†	139.31
	50,200 (b)		
1954-55	71,700 (a)	259.8145 ,, 103.436†	176.43
	59,800 (b)		
1955-56	70,900 (a)	355.3545 ,, 151.728†	222.79
	71,200 (b)		

* 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. decreased due to the transfer of loads at Madurai and beyond to the Papanasam System in 1944-45.

38. Financial result.—

RS.

Capital outlay 1,581.79 lakhs.

Working Expenses

Gross Receipts.

	RS.		RS.
Generation	5,81,725	Domestic light and power ..	31,24,683
Transmission	4,27,188	Commercial light and power.	3,17,190
Distribution	10,74,428	Street lights	4,40,289
Commercial	2,12,694	Industrial	63,36,831
Cost of power purchased ..	15,02,338	Agricultural	34,23,716
Administration and general charges	24,54,391	Traction	..
Contribution to Reserve Fund.	50,60,614	Bulk supply to licensees ..	14,37,593
Excess receipts over expenditure	1,09,66,161	Government departments ..	2,42,071
		Miscellaneous sales	1,77,343
		Total	1,54,99,716
		Inter-system sales	54,03,440
		Total sale of power	2,09,03,156
		Miscellaneous revenue	6,56,704
			2,15,59,860
		Interest on securities	7,19,679
Total	2,22,79,539	Total	2,22,79,539

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

	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	52	41,999	..	..	5	2,201
(b) Cement	1	7,504	..	..	..	..
(c) Oil and industries.	5	536	..	..	..	..
(d) Cordite factory.	1	1,620	..	..	..	..
(e) Tea estates	56	6,771	..	..	..	..
(f) Licensees	3	17,359	..	..	..	..
(g) Municipalities	2	13,953	..	..	..	..
(h) Miscellaneous	16	3,451	1	50	5	1,935
(i) Sugar Industries	1	37	..	..	..	..
(j) Water-works	1	130	..	..	1	120
(k) Government departments.	17	4,081	..	..	..	..
(l) Agriculture	1	84	..	..	..	..
(m) Commercial and non-industrial.	1	492	..	..	..	..
Total	157	98,017	1	50	11	4,256

	Departmental.		Municipal.		Licensees.	
	Number of Consumers.	Connected load in KW.	Number of Consumers.	Connected load in KW.	Number of Consumers.	Connected load in KW.

II. Low-tension—

(a) Industries	1,523	15,980	537	4,326	408	6,003
(b) Agriculture	12,720	56,306	175	816	75	374
(c) Domestic light and power.	55,203	30,179	11,490	5,212	11,968	5,762
(d) Commercial light and power.	3,706	1,024	2,886	3,221	609	369
(e) Street lights	146	788	4	300	458	418
(f) Water-works	3	5	1	1	4	56
(g) Miscellaneous	10	4	5	3	92	26
(h) Railways	24	228	4	22	11	95
Total	73,335	104,514	15,102	13,903	13,625	13,103
Grand total	73,492	202,531	15,103	13,953	13,636	17,359

40. Transmission lines.—Route lengths up to the end of the year are furnished below :—

Voltage.	(1)	Lines constructed during 1955-56.		Total length in miles at the end of 1955-56.	
		Single circuit in miles.	Double circuit in miles.	Single circuit in miles.	Double circuit in miles.
		(2)	(3)	(4)	(5)
I. High-tension—					
110 KV.	..	..	..	..	25.0
66 KV.	..	20.40	..	123.308	191.0
33 KV.	..	82.20 *	..	91.7 *	..
22 KV.	..	113.47	5.335	829.21	90.685
13.2 KV.	..	..	..	4.36	..
11 KV.	..	155.488	2.0	1,024.302	42.63
Total	..	371.558	7.335	2,072.880	349.315
II. Low-tension lines	..	762.482	..	3,502.005	..

* 75.5 miles of this line is now energised at 11 KV.

41. 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 is furnished below :—

Year.	Numbers.	Aggregate capacity in KVA.
1951-52	9	140,680
1952-53	11	142,680
1953-54	17	189,430
1954-55	18	250,180
1955-56	20	267,680

42. *Coimbatore Receiving Station.*—The station peak was 51,350 KW. against 48,550 KW. in the previous year. The peak on the 11, 22, 66 KV. feeders are given below :—

	1954-55.	1955-56.
11 KV. peak load	20,200 KW.	18,800 KW.
22 KV. „	14,400 KW.	15,100 KW.
66 KV. „	22,200 KW.	24,000 KW.

Distributions.—The number of distribution transformers erected during the year and the total aggregate capacity as on 31st March 1956 are furnished below :—

Number of new transformers erected during the year 1955-56.	Aggregate capacity of transformer in column (1) including increase in capacity.	Total number of distribution transformers in service at the end of 1955-56.	Aggregate capacity of transformers in column (3).
(1)	(2)	(3)	(4)
315	20,535 KVA.	1,453 *	93,987.5 KVA.

* This excludes the 1 No. transformer 25 KVA. dismantled during the year.

43. *Agricultural services.*—During the year, supply was given to 3,388 agricultural pumpsets with a connected load of 14,256.4 KW.

One hundred and forty-six rural industries with a connected load of 2,316.261 KW. were connected up during the year bringing the total number to 918 with a connected load of 11,866.01 KW. at the end of the year. Electricity was extended to 315 villages during the year.

44. *Commercial activities.*—During the year, supply was effected to the following high-tension services :—

Serial number and name of Consumer.	Maximum demand.
1. Rajarathna Mills, Limited Neikarapatty	350 KVA.
2 P.S.G. Estate, Vedapattai	145 KVA.
3 P.S.G. College of Technology	150 KVA.
4 Chandra Textiles	250 KVA.
5 Velloni Estate	90 KW.
6 Woodlands Estate	94.81 KW.
7 Springdale Estate	17.5 KW.
8 Cinchona Quinine Factory	320 KVA.

Proposals for extending supply to 12 Nos. H.T. consumers were sanctioned during the year.

Of 540 schemes sent up, 522 were sanctioned during the year and the balance awaiting sanction. Seventy-seven schemes costing about 29.43 lakhs were under scrutiny.

The Commercial-cum-Construction Division at Coimbatore was bifurcated and a separate Commercial Division with headquarters at Coimbatore was formed.

An Operation and Maintenance-cum-Construction Division with head quarters at Mangalore for the South Kanara and West Coast areas was formed.

45. *Community Projects, Community Development Blocks and National Extension Service.*—(a) *Community Projects.*—Sixteen schemes at an estimated cost of Rs. 6.38 lakhs in the Lower Bhavani Project area and 9 schemes at an estimated cost of Rs. 3.45 lakhs in the Malampuzha Project were completed during the year.

Four schemes costing Rs. 3.5 lakhs in the Lower Bhavani Project, 2 schemes at an estimated cost of Rs. 1.23 lakhs in the Malampuzha Project and 2 schemes costing Rs. 13.732 lakhs in the South Kanara were under progress.

Seventeen schemes in the Lower Bhavani Project and 8 schemes in the Malampuzha Project remain to be taken up.

(b) *Community Development Blocks.*—Eight schemes at an estimated cost of Rs. 16,577 in the Attoor block, 53 schemes costing Rs. 3.63 lakhs in the Palladam block and 4 schemes at an estimated cost of Rs. 4.34 lakhs were completed during the year.

Twelve schemes costing Rs. 4.23 lakhs in the Palladam Block and 2 schemes costing Rs. 2.21 lakhs were under progress.

Fifteen schemes involving supply to 309 agricultural and 3 industrial services remain to be taken up in the Palladam Block.

(c) *National Extension Service.*—Ninety-nine schemes at an estimated cost of Rs. 11.24 lakhs in Tiruppur block and 9 schemes costing Rs. 2.79 lakhs in Coonoor block were completed during the year.

Twenty-three schemes costing Rs. 10.70 lakhs in the Tiruppur, 2 schemes at an estimated cost of Rs. 34,500 in Coonoor and 1 scheme costing Rs. 70,970 in Kangayam blocks were under progress.

Twenty-two schemes remain to be taken up in the above areas.

In the licensee's area, four extensions costing Rs. 1,22,500 in Chevayur, Kakkodi, Beypore and Feroke were under progress. Elathur extension costing Rs. 66,000 remained to be taken up.

46. *Meter, relay test and special maintenance.*—Pre-commissioning tests on 3 numbers 3,000 KVA. transformers at Udumalpet sub-station, 2 numbers 1,500 KVA. transformers at Puliampatti sub-station were completed. New relays for the Coimbatore 1, 2 and 3 feeder O.C.Bs. at Singara Power-house were commissioned. Three numbers kiosks erected to control the 2,000 KVA. transformers at Calicut sub-station and 2 numbers erected at Kuthumunda sub-station were tested and commissioned.

In addition to the above, pre-commissioning tests were also done on the 11 KV. Badagara feeder kiosk at Chova sub-station, the 2,500 KVA. 22 KV. booster installed at Kanjicode, and the 500 KVA. 22 KV./11 KV. transformer erected at Palghat sub-station.

Soil resistivity tests in 122 locations covering about 300 miles were conducted along the proposed routes of E.H.T. lines mentioned below :—

- Periyar-Theni 110 KV. D.C.
- Sembatty-Trichy 110 KV. D.C.
- Sembatty-Karur 66 KV. single circuit.
- Theni-Madura 110 KV. D.C.
- Ingur-Kangayam-Vellakoil 33 KV.

Twenty-nine thousand three hundred and nine low-tension meters, two hundred and forty-four high-tension meters, 307 relays, 547 O.C.Bs., C.Ts. and P.Ts. were tested, while 2,028 meters, relays and instruments, etc., were repaired.

Repair in Laboratory and tests at site were carried out on 444 numbers telephone equipments.

The Special Maintenance subdivision tested and overhauled, 291 numbers new transformers and 200 old transformers. Sixteen numbers were released for overhaul. Two thousand one hundred and twenty-one of oil samples were tested.

47. *Interruptions and breakdowns.*—The number of breakdowns causing interruption to supply for more than 1 hour on 11, 13.2 and 22 KV. feeders and more than 5 minutes on the 66 KV. and 110 KV. lines is furnished below :—

110 KV. lines	..	..	..	..	..	..	..	1
66 KV. lines	..	..	..	..	..	..	..	6
11 KV. 13.2 KV. and 22 KV.	..	..	..	..	..	..	..	214

The majority of breakdowns was due to snapping of conductors by falling of trees caused by rains and heavy winds and unauthorized cutting of trees near the lines.

48. *Udipi and Karkala Undertaking.*—The installed capacity of the diesel sets at Udipi Power-house was as detailed below :—

					KW.
2 units—224 KW. each	..	..	..	..	448
1 unit—110 KW.	..	..	..	..	110
Total	..	..	..	..	558

Peak load	..	..	..	..	442 KW.
Units generated	..	..	..	..	940,282

The Karkala Power-house was shut down in July 1955 and supply to Karkala was effected through the 33 KV. line temporarily energised at 11 KV. from Udipi to Karkala.

49. *Kollegal distribution.*—This is the eighth year of operation since the undertaking was acquired. The supply position was satisfactory. The demand was 247.5 KW. and units purchased 894,105.

The total number of consumers in the distribution at the end of the year was 631 with a connected load of 565.88 KW. plus 458.39 H.P.

50. *Programme for 1956-57.*—The following important works are programmed for the year 1956-57 :—

(i) Modification work on the 110 KV. O.C.Bs. and erection of new relays and panels for the modified scheme of protection at Coimbatore Receiving Station.

(ii) Erection and commissioning of the permanent 66 KV. sub-stations at Somanur, Singanallur, Karadibavi and Avanashi and construction of staff quarters at Somanur and Ingur sub-stations.

(iii) The Coimbatore-Madukarai-Palghat 66 KV. extension along with the connected sub-stations are to be completed.

(iv) Construction of a double circuit 110 KV./66 KV. tower line from Travancore-Cochin border to Udumalpet. Erection of bays at Udumalpet sub-station for receiving the Travancore-Cochin supply and remodelling the sub-station.

(v) Availing of jog power supply at Hulikal and commissioning of the Hulikal-Hiriadka-Mangalore 110 KV. line and Hiriadka-Udipi-Coondapur and Hiriadka-Karkala 33 KV. lines.

(vi) Commissioning of the 110 KV. sub-station at Hiriadka and Mangalore and the 33 KV. sub-stations at Karkal, Udipi and Coondapur.

METTUR SYSTEM.

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

The system peak was 69,500 KW. as against 58,400 KW. in the previous year. The total number of units generated was 213.761 millions as against 245.416 millions in 1954-55.

The revenue earned during the year was Rs. 167.50 lakhs as against Rs. 141.10 lakhs in the previous year.

Two thousand four hundred and sixty agricultural pumpsets with a connected load of 8,358 KW. were connected up during the year. The total connected load of the system was 212,636 KW. as compared to 186,474 KW. in 1954-55.

Though the water condition in the reservoir was satisfactory at the beginning of the year, later on due to failure of monsoon the position was not satisfactory.

The permanent 66 KV. sub-stations at Mayuram and Kumbakonam were commissioned.

Mambakkam 33/11 KV. sub-station was commissioned on 26th September 1955.

Vellore-Arni 66 KV. line was charged on 26th December 1955 and the Arni sub-station was changed over to 66 KV. operation.

The Erode-Salem 66 KV. line was changed over to 110 KV. operation on 29th January 1956.

During the year, Tirupathur Municipal Undertaking and the undertaking of the Carnatic Electric Supply Corporation, Ambur, were taken over.

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

Year.	System peak in KW.	Station peak in KW.	Units generated in millions.	Gross revenue.
(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	..	46.48	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	35,500 *	96.24 + 17.85	39.47

* Station peak with relief to Pykara.

Year.	System peak in K.W.	Station peak in K.W.	Units generated in millions.	Gross revenue.
(1)	(2)	(3)	(4)	(5)
				RUPEES IN LAKHS.
1947-48	29,700	36,700 *	135.70 + 13.81	48.14
1948-49	35,800	39,800 *	156.80 + 27.38	63.73
1949-50	38,700	43,800 *	160.39 + 13.84	74.14
1950-51	41,000	46,900 †	183.10 + 9.86	85.98
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
1954-55	58,400	45,500	245.416	141.10
1955-56	69,500	41,400	213.761	167.50

* Station peak with relief to Pykara.

† Station peak with relief to Pykara and Madras.

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

	RS.		RS.
Capital Outlay	1,008.79 lakhs.		
Working expenses.	RS.	Gross receipts.	RS.
Generation	5,60,772	Domestic	15,57,493
Transmission	8,92,051	Commercial	4,43,192
Distribution	13,03,100	Street lights	2,52,529
Commercial	94,163	Industrial	19,63,681
Cost of power purchased ..	74,05,907	Agricultural	16,25,351
Administration and general expenses.	1,18,248	Traction	..
Contribution to Reserve Funds.	17,87,418	Bulk supply to licensees ..	66,97,142
Excess receipts over expenditure.	45,88,089	Government Departments ..	1,44,728
		Miscellaneous sales	6,08,698
		Total	1,32,97,814
		Inter-system sales	22,56,640
		Total sale of power	1,55,54,454
		Miscellaneous Revenue	7,52,829
		Total	1,63,07,283
		Interest on securities	4,42,463
Grand total	1,67,49,746	Grand total	1,67,49,746

54. *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 K.W.	Number of consumers.	Connected load in K.W.	Number of consumers.	Connected load in K.W.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. High-tension—						
(a) Textiles	5	2,708	..	..	10	5,273
(b) Cement	..	..	..	..	2	6,128
(c) Mines (Lignite) ..	2	4,110	..	..	1 *	432 *
(d) Chemicals	2	6,396	..	..	3	1,271
(e) Oil	3	316	..	..	4	263
(f) Steel	..	..	..	..	1	2,467

* Gold mining.

Description of load.	Departmental.		Municipal.		Licensees.	
	Number of consumers.	Connected load in K.W.	Number of consumers.	Connected load in K.W.	Number of consumers.	Connected load in K.W.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. High-tension—cont.						
(g) Licensees	28	132,090	..	..	5	10,144
(h) Municipalities	2	4,931	..	..	..	..
(i) Water-works	3	788	1	45	4	131
(j) Government departments.	5	693	..	..	1	50
(k) Sugar	1	754	..	..	2	890
(l) Railways	4	5,100	..	..	2	161
(m) Metal	1	335	..	..	..	..
(n) Miscellaneous	5	552	..	..	9	1,206
Total	61	158,773	1	45	44	28,414

II. Low-tension—						
(a) Industrial	1,221	13,068	185	1,752	3,239	33,053
(b) Irrigation and agricultural.	8,423	34,063	17	95	5,010	22,691
(c) Domestic (heat and power).	29,822	13,598	4,374	1,734	82,133	36,125
(d) Commercial (heat and power).	4,344	1,319	2,458	973	15,094	6,812
(e) Public lighting	258	388	2	167	942	2,626
(f) Public water-works ..	5	83	1	15	111	831
(g) Government departments	8	391	49	74	405	504
(h) Miscellaneous	48	547	3	76	151	1,013
Total	44,129	63,457	7,089	4,886	107,085	103,676
Grand total	44,190	222,230	7,090	4,931	1,07,129	132,090

55. *Transmission lines and sub-stations.*—The mileage of transmission and distribution lines constructed during the year and the total mileage at the end of 1955-56 are furnished in the statement below :—

Voltage.	Constructed during 1955-56.		Total at the end of 1955-56	
	Single circuit in miles.	Double circuit in miles.	Single circuit in miles.	Double circuit in miles.
110 KV.	..	..	78.0	18
66 KV.	23.2	..	368.7	89.5
33 KV.	48.5	..	238.3	..
22 KV.	33.986	..	484.256	..
11 KV.	295.699	..	1,023.139	1.8
Total	401.385	..	2,192.395	109.3
Total length of Low Tension lines	724.086	..	* 2,096.683	..

* L.T. and H.T. lines taken over from the licensee—118,921.

56. *Extra high-tension and high-tension sub-stations.*—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 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.
 At the end of 1954-55 28 Nos. 200,250 KVA.
 At the end of 1955-56 30 Nos. 217,000 KVA.

57. *Distribution.*—One thousand and sixty-nine transformers with an aggregate capacity of 73,480 KVA. were in service at the end of 1955-56 as against 722 numbers totalling 47,480 KVA. in 1954-55. Besides 27 numbers with capacity of 2,500 KVA. were taken over from the licensees.

58. *Agricultural services.*—The table below indicates the total number of agricultural services effected in this system during 1955-56 :—

	Number.	Connected load in KW.
As on 31st March 1955	5,813	23,916
Connected up in 1955-56	2,460	8,358
Acquired	150	1,789
As on 31st March 1956	8,423	34,063

The total number of villages electrified in 1955-56 was 204.

59. *Rural industries.*—Two hundred and ninety-nine industrial services with a connected load of 2,676 KW. were connected up during the year bringing the total number to 1,221 with a connected load of 13,068 KW.

60. *Community Projects, Community Development Blocks and National Extension Service.*—Five schemes costing Rs. 4,86,900 in Sevandapur, Edayankattuvalasu, Pudupalayam, Periajaraham and Unjalur, etc., in Gobichettipalayam and Erode taluks were completed.

A scheme costing Rs. 1,71,900 in Vairramangalam in Bhavani taluk was under progress.

Five schemes costing Rs. 8,02,750 in Kavandapadi, Punjaikkavanam, Mettupalayam-Perundaliyur-Odatheri 1st and 2nd stages remained to be taken up.

Community Development Blocks.—Two schemes costing Rs. 2,79,600 in Avathuvadi-Mothur and Timmapuram in Krishnagiri taluk were under progress.

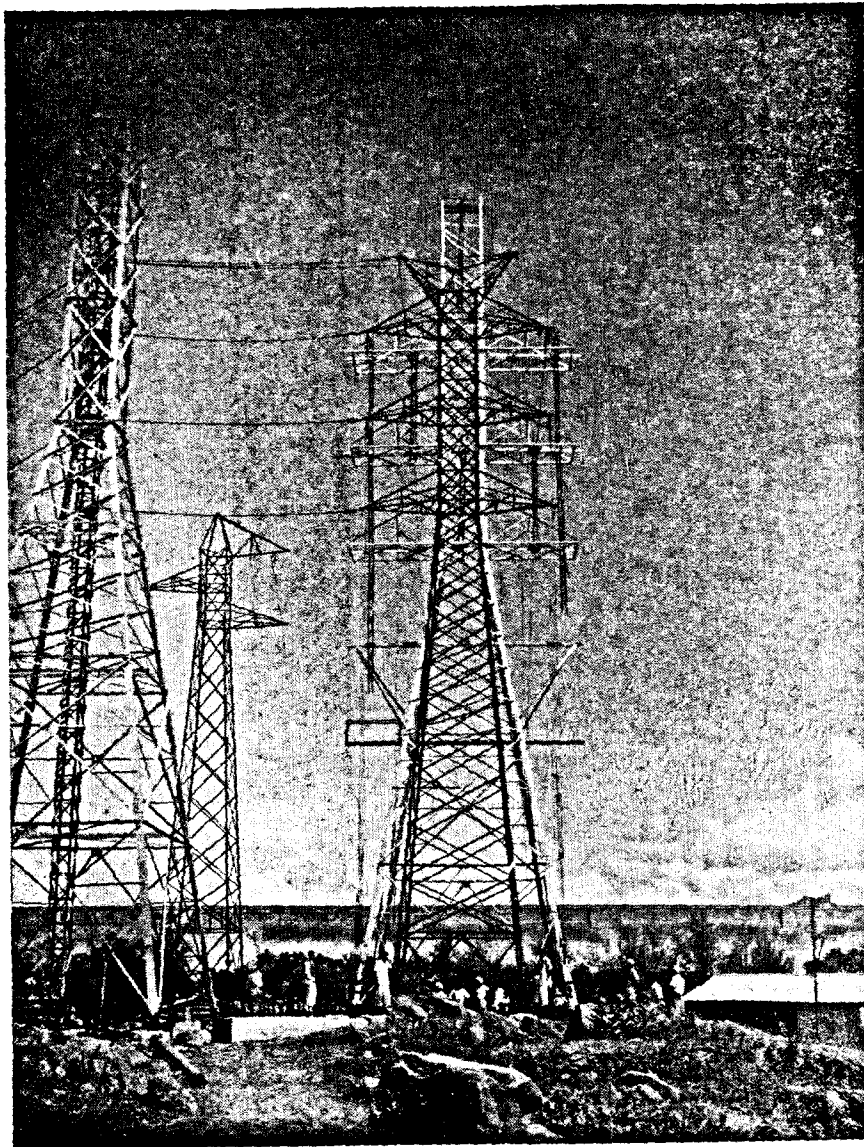
A scheme costing Rs. 45,300 in Devermukkulam in Krishnagiri taluk remained to be taken.

In the licensee's area six schemes costing Rs. 6,03,600 in Musiri and Tiruturaipundi blocks were completed. Five schemes costing Rs. 9,76,800 in Thinnakonam-Kodunthurai, Puduppatti-Perur, Velayuduppu, Thathiengarpet, Mahaderi and T. Putur were under progress. Six schemes costing Rs. 3,04,300 in Thulaiyanatham, Jambumadai, Devanur, Piranjimoolai, Pamini and Mettupalayam, etc., remained to be taken up.

National Extension Service.—A scheme costing Rs. 2,40,100 in Virapandy was under progress.

Twenty-one schemes costing Rs. 32,34,115 in Attur block remained to be taken up.

In the licensee's area four schemes costing Rs. 3,74,000 in Alangudi firka, Punganur, Semmangudi, etc., in Sirkali taluk and Thirukalacheri, etc., villages in Mayuram taluk were completed.



SARDA HYDEL SCHEME 'A' TYPE DOUBLE CIRCUIT 132 K.V. TOWER TESTED TO F.S. 2-5.
AT METTUR WORKSHOP.

A scheme costing Rs. 69,800 in Tirukaragavur, Raghunagar, etc., villages was under progress.

Two schemes costing Rs. 55,000 in Tiruppangur, Kanniagudi and Kunnam villages remained to be taken up.

61. *Meter, relay tests and special maintenance.*—During the year 20,614 numbers low-tension meters, 124 numbers high-tension meters, 199 numbers relays and 328 numbers miscellaneous instruments were tested and repaired.

The more important works carried out by the Special Maintenance subdivision were as follows :—

(1) Thirty-one numbers power transformers with an aggregate capacity at 31,500 KVA. were assembled and reconditioned for service.

(2) Three hundred new distribution transformers were reconditioned and tested.

(3) Eighty-three old distribution transformers were overhauled and 30 reconditioned, 22 numbers were repaired.

(4) Nine numbers OCBs were assembled and 6 numbers were tested and serviced.

62. *Interruptions and breakdowns.*—There was no major breakdown on Transmission lines during the year. The 11 KV. kiosk at Vadakathipatti sub-station and 11 KV. kiosk at Tiruvarur sub-station developed trouble but subsequently rectified.

63. *Workshops.*—The outturn during the year (which is twenty-first year of operation) amounted to Rs. 8.56 lakhs under tower manufacture and Rs. 31.79 lakhs under line materials. The total number of labourers employed in the workshop was 825.

The more important works undertaken were :—

2,105 AB switches were manufactured.

33/11 KV. sub-station structures for 7 new sub-stations were manufactured.

One number Creosoting plant for treating wood poles was manufactured and erected.

About 600 tons of Single circuit X, Y and Z towers for Singarappett-Vellore 66 KV. line, about 500 tons for Sembatti-Karur 66 KV. lines and about 100 tons of P, Q and R tower for Coimbatore-Madukkarai-Palghat 66 KV. line were manufactured.

Civil Works.—The total turnover of the civil subdivision under 1955-56 was Rs. 1,23,751. Civil works in Mettur workshops and out-stations were carried out.

64. *Programme for 1956-57.*—The Erode-Trichy III Circuit will be changed over to 110 KV. operation and the 12 MVA. auto-transformer commissioned at Tiruchirappalli sub-station in April 1956.

Tiruvannamalai-Polur-Arni 33 KV. line will be changed over to 66 KV. operation.

New 33/11 KV. sub-stations will be commissioned at the following places :—

Hosur, Harur, Chengam, Avalurpet, Uthangarai and Pattukkottai.

The fifth 6,000 KVA. auto-transformer will be commissioned at Singarappett sub-station and the 33 KV. structures will be shifted to a new location.

The Tanjore-Pattukkottai 33 KV. line will be erected.

The Singarappet-Villupuram 110 KV. line and Singarappet-Vellore 66 KV. II circuit will be brought into operation.

PAPANASAM SYSTEM.

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

The system peak load reached 28,400 KW. against 26,300 KW. last year.

The number of units generated during the year at Papanasam Power House was 119.856 million units against 109.303 in 1954-55. The number of units generated at the Madurai Thermal Station was 28.417 millions against 37.318 millions last year.

The gross revenue earned by the system was Rs. 87.04 lakhs against Rs. 75.16 lakhs last year.

The entire East Ramanathapuram area of the South Madras Electric Supply Corporation was taken over by Government on 1st November 1955 under the Acquisition Act of 1954.

One hundred and eighty-six villages were electrified during the year.

Owing to a severe cyclonic storm which raged on 1st December 1955 the transmission line in the acquired East Ramanathapuram licensee's area and Government distributions around Melur, Tirupathur and Sivaganga suffered severe damage. Rectifications were under rapid progress and most of them completed.

Talayuthu and Sankarankoil sub-stations were energised at 66 KV. on 17th and 9th April 1955 respectively.

On 25th March 1956 the Talayuthu-Srivaikuntam 33 KV. feeder till then on 11 KV. operation was commissioned at 33 KV. and the Srivaikuntam 33 KV. sub-station was brought into operation with the commissioning of 3 numbers 750 KVA. transformer.

With a 500 KVA. 66/11 KV. transformers, a temporary sub-station at Melakallur was commissioned at 66 KV.

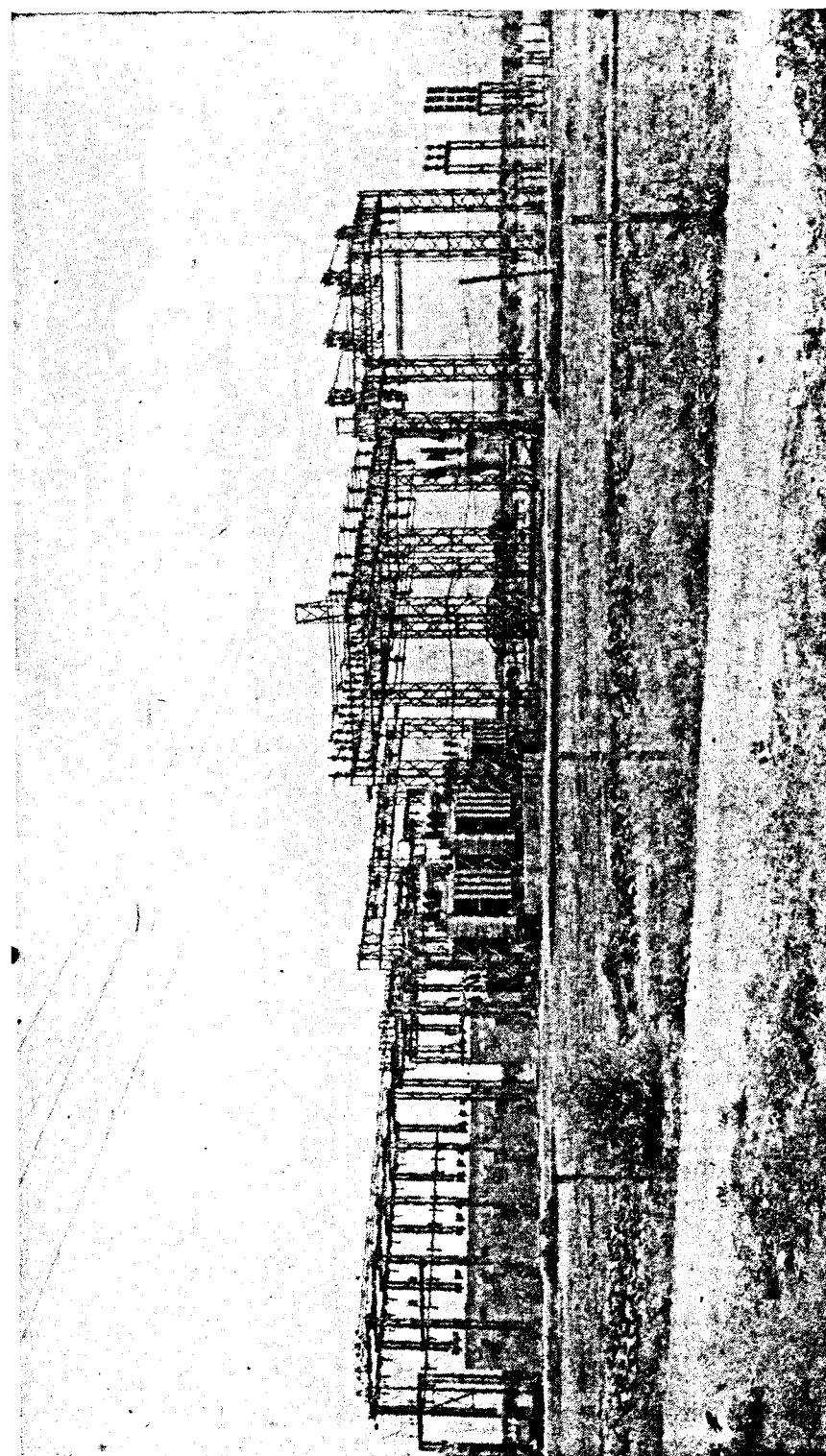
Two numbers 1,000 KVA. transformers were commissioned at Tenkasi on 7th January and 9th February 1956 respectively :—

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

Year.	Peak load in KW.	Units generated in million KW.	Gross revenue. RUPEES IN LAKHS.
1944-45	8,700	21.265 + 21.979 *	12.09
1945-46	9,000	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	18,000	71.68 + 17.045 *	29.64
1949-50	20,000	79.84 + 16.64 *	36.14
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
1954-55	26,300	109.30 + 37.3183 †	75.16
1955-56	28,400	119.856 + 28.417 †	87.04

* Represents units purchased from Pvkara.

† Represents units generated at the Madurai Thermal Station.



TALAYUTHU S.S.

67. *Financial results.*—Capital outlay .. Rs. 818.76 lakhs.

Working expenses.		Rs.	Gross receipts.		Rs.
Generation		17,10,630	Domestic light and power ..		20,00,800
Transmission		3,00,156	Commercial light and power ..		84,989
Distribution		5,04,978	Street lights		3,40,579
Commercial		70,646	Industrial		23,53,164
Cost of power purchased ..		6,34,135	Agricultural		4,72,456
Administration and General charges.		13,00,825	Traction		..
Contribution to Reserve Funds.		18,38,393	Bulk supply to licensees ..		17,73,244
Excess receipts over expenditure.		23,44,752	Government Departments ..		84,177
			Miscellaneous sales		1,49,546
					72,58,955
			Inter-system sales		6,01,988
			Total sale of power		78,60,943
			Miscellaneous revenue		6,67,917
					85,28,860
			Interest on securities		1,75,655
Total		87,04,515	Total		87,04,515

68. *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 K.W.	Number of consumers.	Connected load in K.W.	Number of consumers.	Connected load in K.W.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. High-tension—						
(a) Textiles	25	11,641	5	471.010	4	3,689.507
(b) Cement	1	2,589	..	..	..	..
(c) Oils	9	1,100	..	..	..	..
(d) Chemical	1	250	..	..	..	..
(e) Agricultural farms ..	3	184	..	..	..	..
(f) Licensees	3	18,487	..	..	..	..
(g) Municipalities	3	20,457	..	..	..	..
(h) Government departments.	3	671	..	..	..	..
(i) Water works	1	83	1	264.852	..	..
(j) Railways	2	219	1	215.745	..	..
(k) Miscellaneous	2	52	6	513.095	1	250.0
(l) Other industrials	..	..	3	536.731	2	232.035
(m) Cinemas	..	..	2	135.507	..	..
Total	53	55,733	18	2,136.940	7	4,171.542
II. Low-tension—						
(a) Industrial	1,072	9,894	437	2,883.919	527	4,649.563
(b) Agricultural	3,760	12,173	33	115.819	105	43.50
(c) Domestic services.	52,720	24,339	19,285	10,351.703	17,480	9,828.607
(d) Street lights	391	946	1	586.545	157	385.615
(e) Railways	31	109	2	3.20	..	..
(f) Cinemas	10	72	11	295.0	11	115.830
(g) Oil Mills	27	646	..	..	14	289.760
(h) Miscellaneous	..	..	..	..	405	314.0
(i) Water works	..	..	1	32.00	..	..
Total	58,011	47,879	19,770	1,42,268.186	18,699	16,026.515
Grand total	58,064	103,612	19,778	144,406.126	18,706	20,198.057

69. *Transmission lines.*—The total length of transmission and distribution lines constructed during the year and the total mileage at the end of 1955-56 are furnished in the statement below :—

Voltage.	Constructed during 1955-56.		Total at the end of 1955-56.	
	Single circuit in miles.	Double circuit in miles.	Single circuit in miles.	Double circuit in miles.
(1)	(2)	(3)	(4)	(5)
I. High-tension lines—				
66 KV.	..	..	180-00	125-430
33 KV.	9-00	..	43-66	..
22 KV.	..	..	108-87	..
11 KV.	249-732	..	861-51	10-68
Total	258-732	..	1,194-04	135-51
II. Low-tension lines ..	179-244	..	..	1,374-97

Taken over from the licensee during the year H.T. .. 183-007
Do. L.T. .. 103-830

70. *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.
At the end of—		
1951-52	13	73,225 KVA.
1952-53	11	76,625 KVA.
1953-54	13	99,250 KVA.
1954-55	14	114,400 KVA.
1955-56	20	137,100 KVA.

71. *Distribution transformers.*—One hundred and fifty-two distribution transformers with an aggregate capacity of 9,660 KVA. were erected during the year bringing the total number of distribution transformers in service at the end of the year to 561 numbers and the aggregate capacity to 31,912 KVA. Besides 71 numbers with a capacity of 3,387 K.V.A. were taken over from the licensee during the year.

72. *Commercial activities.*—During the year 36 numbers minor schemes costing Rs. 8,22,028 were sanctioned. One hundred and forty-eight major schemes costing Rs. 2,09,22,089 were sent up for sanction.

One hundred and five numbers proposals costing Rs. 1,01,32,600 and 27 numbers revised estimates costing Rs. 29,35,000 were got sanctioned.

Supply was given to nine H.T. consumers during the year.

73. *Community Projects, Community Development Blocks and National Extension Service.*—(i) *Periyar Community Project area.*—Four schemes costing Rs. 2,57,600 in Madurai and Nilakkottai taluks were completed during the year.

Four schemes costing Rs. 23,39,600 in Madurai and Nilakkottai taluks were under progress.

— Four schemes costing Rs. 2,53,400 in Madurai and Nilakkottai taluks remained to be taken up.

(ii) *Community Development Blocks.*—Twenty-one schemes costing Rs. 18,35,260 in Usilampatti, Sivakasi, Srivilliputhur, Sankarankoil, Kurivikulam and Chermadevi blocks were completed during the year.

Four schemes costing Rs. 6,63,340 in Usilampatti, Srivilliputtur and Sankarankoil blocks were under progress.

Twenty schemes costing Rs. 29,09,200 in Usilampatti, Sankarankoil, Srivilliputhur, Cheranmahadevi, Sivakasi, Rajapalayam, Srivilliputtur and Kurivikulam blocks remained to be taken up.

(iii) *National Extension Service.*—Three schemes costing Rs. 2,22,700 in Kallupatti and Rajapalayam blocks were completed during the year.

Seven schemes costing Rs. 13,44,380 in Kallupatti, Tirumangalam and Kovilpatti blocks remained to be taken up.

74. *Agricultural services.*—1,161 Nos. agricultural pumpsets with a connected load of 3,753 KW. were connected up during the year bringing the total number of pumpsets connected at the end of the year to 3,760 with a connected load of 12,173 KW. Besides 157 pumpsets with a connected load of 856.5 H.P. taken over from the licensee.

Electricity was extended to 186 villages during the year bringing the total number of villages electrified in the system to 547. Besides 51 Nos. were electrified and taken over from the East Ramanathapuram Licensee during the year.

75. *Meter, relay tests and special maintenance.*—Sixteen thousand seven hundred and thirty-eight single-phase meters and 3,844 three-phase meters were tested during the year.

The special maintenance subdivision had reconditioned 236 Nos. of new distribution transformers for use in construction works. Besides 130 Nos. of distribution transformers were taken up for periodical overhaul. Nine thousand eight hundred and ten gallons of oil were reconditioned and 3,463 samples of oil were tested.

76. *Interruptions and Breakdowns.*—There was a major breakdown on Pasumalai-Sivaganga 66 KV. line due to the heavy cyclone on 1st December 1955. Many of the transmission and telephone lines suffered damage and all of them were rectified promptly.

There were two failures of 11 KV. cable boxes, one in the railway crossing feeding Pasumalai distribution and other in the Kothandaram Mills feeder. These were rectified promptly.

77. *Programme for 1956-57.*—(i) Commissioning of 5,000 KVA transformers each at Virudhunagar and Rajapalayam.

(ii) Changeover of the Sivaganga-Tirupattur 11 KV. line to 22 KV. and changing of Poovandi-Melur.

(iii) Revival of the Kayathar 66/11 KV. sub-station and commissioning of a 66 KV. O.C.B. to control the Kayathar-Tuticorin 66 KV.

(iv) Pallapatti extensions (balance), Sankaralingapuram extensions, Moovarivendran.

(v) Vijayanarayanan 11 KV. line.

(vi) Alagarkoil-Kidampatti extension.

MADRAS SYSTEM—GENERATION CIRCLE.

78. *General.*—This was the ninth year of operation of the Madras Station under Government management. The Operation and Maintenance of the power station was generally satisfactory during the year except for the shut down on 10th May 1955 of Turbo set No. 1 at "B" station which had not yet been taken over from the suppliers completely on its developing heavy vibrations. The set was recommissioned after repairs on 4th January 1956. On 8th November 1955 there was an accident on No. 2 set when the make-up tank gave way. The same was replaced and the set was put into service on 10th November 1955.

The peak load of Madras System reached 38,600 KWs. against 36,500 KWs. in 1954-55. The number of units generated during the year was 183.256 millions against 171.498 millions last year. Madras afforded relief to the Hydro Systems from March 1955 to May 1955. Thereafter on account of improved inflows into Hydro reservoir, Madras commenced importing energy from the Hydro Systems. From December onwards Madras commenced exporting energy to the Hydro Systems.

Units exported to Hydro Systems during the year 41.13 millions.

Units imported from Hydro Systems during the year 36.85 millions.

The "C" Station sets were completely dismantled and transported to Neiveli by the Central Water and Power Commission staff.

The Villivakkam set with accessories was sold. Boiler No. 5 in "A" station was also sold to make room for third stage work.

79. *Power Stations.*—Under second stage extensions the erection of second 80,000 lb./hr. boiler and connected pipe work switchgear and cables was awaiting erection of structural steel work at the Second Boiler (No. 5) location. It is programmed to commission the boiler in November 1956.

During the year work on third stage extension was commenced. Shifting of equipment like transformer and switchgear, etc., in "A" station to new location was also completed. Under III stage extensions 1 No. 30 MW. T.A. set, 2 Nos. 150,000 lb./hr. boilers and connected auxiliaries were proposed to be installed.

The gunniting of the natural draught cooling tower No. 1 was taken up. Gunniting on the outside up to 35 feet from the top and gunniting of the bad patches on the outside was completed. Inside gunniting was postponed to middle of 1956 due to operating conditions. The other two natural draught cooling towers were generally in satisfactory service. During the year the following civil works connected with II stage were carried out:—

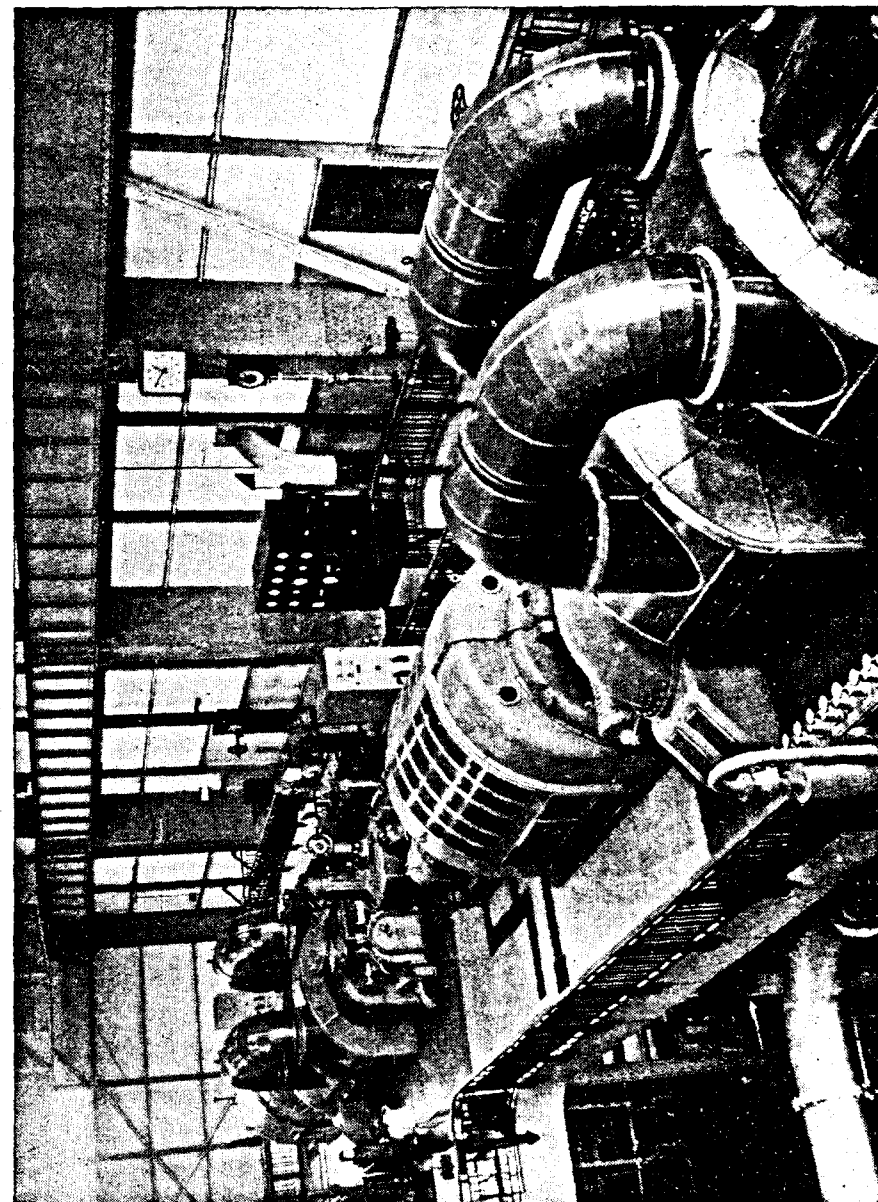
Steel work—

(1) Fabrication	...	...	200 tons.
(2) Erection	...	...	150 tons.

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

"A" Station.—The peak load of the station for the year was 27,000 KWs. One 40,000 lb./hr. (Boiler No. 5) in this station was sold.

"B" Station.—The peak load of the station was 29,000 KWs. Of the 2 Nos. 80,000 lb./hr. ordered under II stage extensions, erection of one boiler was completed and unit commissioned on 15th December 1954 and the erection of the other boiler is expected to be commenced by 1st April 1956 and is programmed to be commissioned in November 1956.



BASIN BRIDGE "B" STATION TURBINE FLOOR WITH 2 Nos. 15 M.W. SETS.

80. *Load development.*—The table below indicates the growth of load since the Madras Electric Supply Corporation undertaking was taken over by the Government on 29th August 1947 :—

Year.	Peak load of system.	Total units generated in millions.
1947-48	*21,900 KW	*54.95 KW. hour
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 "
1954-55	36,500 "	171.498 "
1955-56	38,600 "	183.256 "

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

† Reduction in peak-load restriction.

Coal position.—The position of coal supply to the Basin Bridge station was not very satisfactory. The stocks built up during the irrigation season was much depleted during January to March 1956 when relief to hydro areas was given. The position worsened owing to the disturbances in Bihar in February 1956 and about 7,000 tons of Bengal coal were ordered to be brought by sea.

81. *Construction Programme for 1956-57.*—Under II stage extensions the erection of No. 5 boiler is expected to be commenced on 1st April 1956 and the boiler is programmed to be commissioned in November 1956.

Under III stage extensions 1 No. 30 MW. T.A. set, 2 Nos. 150,000 lb./hr. boilers and connected auxiliaries are proposed to be installed. As per the contract the set should be commissioned by 31st August 1957 and boilers a month earlier.

MADRAS SYSTEM—DISTRIBUTION CIRCLE.

82. *General.*—The year under review is the ninth year of operation under Government management. The operation and maintenance of the distribution and sub-stations of the system continued to be satisfactory.

During the year there was no cut in consumption. The peak load restrictions on low tension and high tension power consumers and on Buckingham Carnatic Mills, the biggest block load of the system, were however continued throughout this year.

The electrical installation of Korattur sub-station was completed. The transformer radiator leaks of 7.5 MVA. 110/33 KV. (Transformer No. 2 was attended and completed) and the transformer commissioned satisfactorily. The 33 KV. S.S. at Wandiwash was erected and energised.

Two numbers 1,500 KVA. 11 KV./5 KV. auto-transforms were erected at Mount Road sub-station thus enabling a changeover of loads of Mount Road and beyond from the 5 KV feeder from Basin Bridge to the 11 KV southern feeder.

One 1,500 KVA. 33/11 KV. transformer was transported from Nazarethpet temporary sub-station to Avadi new sub-station and erected there.

Two numbers 1,500 11 KV./5 KV. auto-transformers were erected one each at East Georgetown and West Georgetown sub-station to relieve the 5 KV. load on Basin Bridge.

During the year the Chingleput Electricity Supply Company was acquired on 15th November 1955.

Seven thousand nine hundred and fifty-one additional services comprising 6,629 domestic (inclusive of commercial lighting), 369 industrial and 953 agricultural services were connected up during this year. In addition 2,572 DC services with an approximate connected load of 2,853.92 KW were changed over to AC.

83. *Agricultural services.*—With the nine hundred and fifty-three agricultural pumpsets with a connected load of 3,471.92 KWs. connected during the year the total number of agricultural services connected to the system was 2,728 with a connected load of 11,994 KWs.

Electricity was extended to 165 villages during the year.

The gross revenue of the system for the year was 225.75 lakhs as against 204.56 lakhs in the previous year.

84. *Load development.*—The peak load of the system reached 38,600 KW. against 36,500 KW. in 1954-55. The table below indicates the growth of load and revenue since acquisition of the undertaking by Government on 29th August 1947 :—

Year.	Peak load in KW.	Units generated in millions.	Gross revenue, Rs. in lakhs.
1947-48	* 21,900	* 54.95	* 40.75
1948-49	25,400	102.07	80.10
1949-50	† 24,700	108.00	92.92
1950-51	27,800	120.79	116.13
1951-52	29,300	135.56	139.59
1952-53	31,200	152.174	155.12
1953-54	31,600	152.998	173.45
1954-55	36,500	171.498	204.56
1955-56	38,600	183.256	225.75

* The figures refer only to the period 29th August 1947 to 31st March 1948.

† Reduction in peak load restrictions.

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

Capital outlay	.. .. .	Rs. 1,194.58 lakhs.	
Works expenses.	Rs.	Gross receipts.	Rs.
Generation	76,16,545	Domestic light and power	75,93,191
Transmission	79,388	Commercial light and power	33,31,106
Distribution	14,08,193	Street lights	3,88,231
Commercial	5,81,333	Industrial	34,12,585
Cost of power purchased	13,51,290	Agricultural	7,67,021
Administration and General charges.	4,14,363	Traction	5,61,401
Contribution to Reserve Funds.	37,30,528	Bulk supply to licensees	56,644
Excess receipts over expenditure.	73,92,938	Government Departments	9,67,639
		Miscellaneous sales	12,77,196
			1,83,55,014
		Inter-system sales	26,36,602
		Total sale of power	2,09,91,816
		Miscellaneous revenue	10,98,102
			2,20,89,718
		Interest on securities	4,84,913
Total ..	2,25,74,631	Total ..	2,25,74,631

86. *Connected local and number of consumers.*—The details of connected load of this system are given below, classified under different categories :—

Serial number and details.	Total to end of March 1956.	
	Number of consumers.	Total load in KW.
I. High-tension supplies—		
(a) Textiles	2	8,976
(b) Oil industries	2	723
(c) Other industries and miscellaneous	91	17,757
(d) Water works	3	1,280
(e) Traction	1	25,484
(f) Railways	5	
(g) Street lighting	1	721
Total	105	54,941
II. Low-tension supplies—		
(a) Industrial (including commercial heat and power).	3,578	20,770
(b) Irrigation and agricultural	2,728	11,994
(c) Domestic (heat, power and light)	49,879	50,002
(d) Commercial (lighting)	6,512	
(e) Public lighting	167	290
(f) Miscellaneous	701	3,822
Total	63,595	86,878
Grand total	63,700	141,819

The total connected load of the system at the end of the year was 141,819 KW. compared to 126,947 KW. in 1954-55.

87. *Transmission lines, sub-stations and distributions.*—Details of 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.	At the end of 31st March 1955.	Added during the year.	Total to the end of March 1956.
	MILES.	MILES.	MILES.
High-tension lines—			
1 110 KV. line— (Overhead)	50.5	..	50.5
2 33 KV. line— (Overhead)	108.01	107.75	215.8
3 33 KV. line— (Underground)	2.00	..	2.0
4 11 KV. line— (Overhead)	205.67	160.04	365.7
5 11 KV. line— (Underground)	40.6	19.53	60.2

Serial number and particulars of line.	At the end of 31st March 1955.	Added during the year.	Total to the end of March 1956.
(1)	(2)	(3)	(4)
	MILES.	MILES.	MILES.
A. High-tension lines—cont.			
6 6.6 KV. line— (Overhead)	11.44	1.78	13.2
7 6.6 KV. line— (Underground)	0.6	..	0.6
8 5 KV. line— (Overhead)	4.9	..	4.8
9 5 KV. line— (Underground)	122.28	1.12	123.4
Total ..	545.99 or 546.00	290.22	836.2 or 836 miles.
B. Low-tension lines—			
1 Overhead	621.21	204.59	825.80
2 Underground	303.08	26.25	329.33
Total ..	924.29	230.84	1,155.13 or 1,155 miles.

Net increase in mileage during the year amounted to 290 miles of high tension and 230.8 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 1954-55.		At the end of 1955-56.	
	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	*16	27,350 "	21	34,350 "
(3) Rotary Converter sub-stations ..	6	13,500 KWS	6	13,500 KWS
(4) Rectifier stations	6	4,000 "	6	4,000 "
(5) Distribution transformer stations including static stations and 33 KV/400 volts sub-stations.	378	36,094 KVA	690	70,267 KVA
(6) Auto-transformers	..	..	5	7,500 "
Total capacities ..	408	86,444 KVA + 17,500 KW	730	135,117 KVA + 17,500 KW

* Including one unconnected spare 290 KVA at Pallavaram.

88. *Extensions.*—Four hundred and nineteen extensions and improvements proposals costing Rs. 16.6 lakhs were sanctioned by the Superintending Engineer. One hundred and ninety-one extensions and improvement proposals costing Rs. 200.5 lakhs have been sanctioned by the Chief Operation Engineer or Chief Engineer for Electricity or Government as the case may be and 64 extensions and improvement proposals costing Rs. 104.4 lakhs have been sent up to them for sanction.

Extensions for giving supply to the following important consumers in the Madras City were completed or nearing completion during the year:—

- (1) A.C. College, Guindy.
- (2) Barani Studios.
- (3) Binny's Engineering Works.
- (4) Carborandum Universal, Tiruvottiyur.
- (5) Film Centre, Kodambakkam.
- (6) Ganges Printing Ink Factory.
- (7) Madras Club, Mount Road.
- (8) Military Engineering Works, St. Thomas Mount.
- (9) Syamala studios.
- (10) Wheel and Rim Factory.
- (11) Southern Railway, Marshalling Yard.
- (12) Ennore Railway, Pumping Station.

The following were the important 33 KV. line extensions energized during the year:—

- (1) Chingleput to Madurantakam.
- (2) Kancheepuram to Perunagar.
- (3) Perunagar to Wandiwash.
- (4) Kancheepuram to Kadambathur.

The erection of the sub-stations at the following places were completed:—

- (1) Ponneri.
- (2) Avadi.
- (3) Poonamallee.
- (4) Kilanur.

Two circuits of 33 KV. 0.25 square inch cable of 3,200 yards were laid from the Basin Bridge 33 KV. yard to the tower No. T. 72 to replace the existing tower lines on the Basin Bridge-Korattur 33 KV. lines which were affected by corrosion.

Two circuits (3,500 yards) 11 KV. 0.06 square inch cable were laid from the proposed 33/11.5 KV. sub-station to the existing 5 KV. Isolation Hospital.

Two thousand five hundred yards of 11 KV. 0.1 square inch cable was laid from Perambur Sub-station to Sembium Sub-station.

89. *Community Projects, Community Development Blocks and National Extension Service—Community Projects.*—One scheme costing Rs. 1,06,000 (i.e.), extension of supply to Mahabalipuram in Thirukalikunram block, Chingleput district was completed.

Five schemes costing Rs. 6,09,650 in Thirukalikunram block were under progress.

Community Development Blocks.—Six schemes costing Rs. 16,11,000 (i.e.), two schemes in Kadambathur block and four in Tiruvallur block, Chingleput district were completed.

Twenty schemes costing Rs. 25,50,750, i.e., ten schemes in Kadambathur block and ten schemes in Tiruvallur block were under progress.

Ten schemes costing Rs. 9,80,100 in the Kadambathur and Tiruvallur blocks remain to be taken up.



KILANUR—A VIEW OF THE 2 NOS. 1000 KVA. TRANSFORMERS ERECTED AT KILANUR S.S.

ADMINISTRATION REPORT OF THE

National Extension Service.—During the year a scheme for extension of supply to Uthukottai block, Chingleput district was completed.

Eight schemes costing Rs. 17,37,563 in Uthukottai block were in various stages of progress.

Two schemes costing Rs. 70,800 (i.e.), supply to Nagalapuram and Seenglikuppam Ayalcheri, etc., villages, Chingleput district, remain to be taken up.

90. *Commercial activities.*—A commercial-cum-construction division was formed during this year at Kanchi to push through all the major schemes pending execution.

The demand for power for industrial and agricultural purposes continued to be on the increase. The following service connections were effected during the year. These include the number of services effected by the Chingleput Electric Supply Company, which was acquired during the year.

Domestic and Commercial	...	...	...	...	6,629
Industrial	...	...	...	...	369
Agricultural	...	...	...	...	953
					7,951

91. *Programme for 1956-57—*

- Erection of 33 KV. lines from (1) Poonamallee to Guduvancheri, (2) Kilanur to Uthukottai, and (3) Puduchathram to Tinnanur.
- Extension of supply to Cheyyur, Vedal, etc., villages.
- Extension of supply to Kilanur, Nelanur, etc., villages.
- Extension of supply to Ayalur, Vedathur, etc., villages.
- Extension of supply to Ramapuram and Sivagiri villages.
- Extension of supply to Vedanthangal and other villages.

ELECTRICAL INSPECTORATE AND LICENSEES.

92. *Electrical undertakings.*—The number of licensees undertakings at the close of the year was 25. Of these, five were managed by Local Bodies and the rest by the Private Electric Licensees. There was also one sanctionee, viz., Kasargod operating under section 28 of the Indian Electricity Act. Conditions of electric supply in these areas were fairly normal during the year. Due to water shortage in the Hydro-Electric reservoirs a power cut of 25 per cent from the beginning of April 1956 was under contemplation. No new licences or extensions of licensees' areas were sanctioned during the year. The Kanara Ceramics, Limited, Kasargod, the sanctionee operating under section 28 of the Indian Electricity Act were permitted by Government to continue supply till 31st March 1956. Government also permitted them to extend their area of supply in Kasargod Panchayat Board and also to a portion in Kudli Panchayat Board area.

For certain specified rural electrification schemes or extensions, Government sanctioned a total loan of Rs. 25.52 lakhs in G.O. Ms. No. 4338, P.W., dated 9th December 1954, to seven private electric licensees subject to certain specific conditions and terms formulated by the Government and the execution of mortgage deed satisfying these requirements. The first instalment of this loan totalling Rs. 5.99 lakhs was disbursed to three licensees before 31st March 1955.

During the year three licensees drew the second instalment of loan totalling Rs. 10.77 lakhs. The Kumbakonam and Nagapattinam Electric licensees were not interested in the loans sanctioned to them and the loan sanctioned to Carnatic Electric Supply Corporation, Ltd., was subsequently cancelled in view of the acquisition of that undertaking on 10th November 1955. The Tinnevely-Tuticorin Electric Supply Co., Ltd., was permitted by Government to draw the full amount of loans of Rs. 3 lakhs in 1955-56. This licensee executed the necessary mortgage deed and the loan amount was disbursed before 31st March 1956.

A number of applications for loan from Government of India were received during the year and out of them, the loan application of Messrs. South Madras Electric Supply Corporation, Ltd., was favourably recommended to Government for a sum of Rs. 18.85 lakhs.

In addition to the above, two licensees were permitted to obtain loan from the Madras Industrial Investment Corporation, Ltd.

No Government loans were sanctioned to any of the Local Authority Electric Licensees.

During the year, the accounts of 26 licensees were audited by the Audit Officer and the staff of the Inspectorate, besides two accounts of licensees pertaining to the year 1953, which were in progress during 1954-55. The audit of accounts of the Palghat Electrical Undertaking for the years 1951-52 to 1954-55 was in progress on 31st March 1956. Six Local Authority Electrical Undertakings accounts were also scrutinized by the Inspectorate during the year.

There were 806 cinemas in the State out of which 332 were permanent and 474 temporary.

The total number of accidents during the year including those on works owned and operated by Government was 310 of which 118 proved fatal.

The Government of India have granted further extension of time up to and inclusive of 31st March 1957 for the formation of the Electricity Board in this State.

Four private electrical undertakings and two Local Authority Electrical Undertakings were taken over by Government under the provisions of the Madras Electricity Undertakings (Acquisition) Act, 1954. The acquisition of Mangalore Electrical Undertaking has been postponed to 15th October 1956.

The writ petitions filed in the High Court of Madras by the Liquidators of the West Ramnad and Udipi Electrical Undertakings questioning the propriety of validating by legislation an Act held ultra vires the Constitution came up for hearing and they were dismissed with cost on 27th March 1956.

Rule 48 of Indian Electricity Rules, 1937, has been introduced in this State on 1st October 1955. The Government have also constituted the Electrical Wiremen, Supervisors and Contractors Licensing Board.

The revised Indian Electricity Rules to be brought into force were finalized at the meeting of the Central Electricity Board.

93. *Nationalization.*—A programme of acquisition of Electrical undertakings in the State under the Madras Electricity Undertakings (Acquisition) Act, 1954, was decided upon in a conference held on 31st March 1955 and as per the decision the following Electrical Undertakings were taken over during the year :—

(1) Palghat, (2) Chingleput, (3) Ambur-Vaniyambadi, (4) Tirupathur, (5) Bodinayakanur and (6) East Ramanathapuram.

Acquisition of the Mangalore Electrical Undertaking which had also been included in the aforesaid programme was postponed to 15th October 1956.

An amount of Rs. 309 lakhs has been proposed for acquisition under the Second Five-Year Plan, i.e., Rs. 100 lakhs carried forward from the First Five-Year Plan and Rs. 209 lakhs now allotted.

All the Local Authority Electrical Undertakings (except Thiruvothiyur) taken over under the Impugned Act submitted claim statements for compensation under the New Act and advance compensation was declared by the Government in respect of some of them. Final compensation proposals with regard to Sivakasi, Ooty, Rameswaram, Villivakam and Udumalpet Electrical Undertakings were also submitted to Government.

The undertakings taken over during this year also submitted claim statements and advance compensation proposals were submitted to Government for all of them.

Details of generating plants.—A statement showing the details of the installed capacity of the only licensee's generating station at Mangalore is given in Appendix "E".

94. *Indian Electricity Act and Rules.*—Certain proposals for the revision of the Indian Electricity Act, 1910, and the Indian Electricity Rules, 1937, were under the active consideration of the Government of India since last year. The revised Indian Electricity Rules to be brought into force shortly were finalized at the recent meeting of the Central Electricity Board. Rule 48 of the Indian Electricity Rules, 1937 was introduced in this State on 1st October 1955. The notification containing the regulations framed for the grant of certificates of competency to wiremen and Supervisors and licences to Electrical contractors was published in the *Fort St. George Gazette*. The Government have also constituted the Electrical Wiremen, Supervisors and Contractors Licensing Board. The Chief Electrical Inspector to Government and Electrical Inspector are the ex-officio President and Secretary of the Board. The issue of certificates, etc., were being attended to by the Board.

The practice so far has been to inspect all licensees' installations once a year. In view of most of the licensees keeping their installations in fairly satisfactory manner due to repeated inspections done so far and as fairly well-experienced Engineers were available with the licensees, it was proposed to inspect every year all new installations brought into use during the year and about one-third of the older installations of each licensee except in case of licensees whose installations are unsatisfactory. The proposal was approved by Government and it was given effect to from the current year.

Many of the licensees have not yet provided linked switches on the H.T. side of all transformer sub-stations to comply with the Rule 60 (1) (d), Indian Electricity Rules, 1937. In view of the scarcity and high cost of materials and

in view of the proposed revisions of the Indian Electricity Rules which contemplate certain benefits to rural sub-stations up to and inclusive of 100 KVA. capacity relaxation of this rule is being recommended for a specified period in individual cases when applied for. Five licensees were granted relaxation from this rule.

Relaxation of rule 71 was granted to Cannanore-Tellicherry Electric Licensee.

95. *Street lighting.*—The Government approved the model forms of street lighting agreement to be entered into between the licensees and Local Bodies.

A standard form of agreement to be entered into between the licensees and consumers for H.T. supply was proposed to Government for their approval during the year.

96. *Tariffs.*—The following licensees readjusted their rates during the year under clause I of the VI Schedule to the Electricity Supply Act, 1948 :—

Name of electrical undertaking.	Decrease or Increase.
(1)	(2)
(1) Ponnamaravathy Electric Supply Corporation, Limited.	Decrease.
(2) Mangalore Electric Supply Corporation, Limited.	Decrease.

The Kanara Ceramics, Kasaragod, the sanctionee under Indian Electricity Act is the only one charging over Re. 0-6-0 (i.e.), 10 annas per unit for electric lights and fans.

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 Government. The licensee filed a petition in the High Court for setting aside the award. The High Court upheld the award of the arbitration and the licensee was requested to credit the balance amount of Rs. 1,54,589 to the consumers' fund as per the terms of the award. The licensee is reported to have again preferred a further appeal in the High Court but no notice has been served on the Government in this regard. Based on this arbitration award, the Tinnevely-Tuticorin and Salem-Erode Electric licensees were addressed to work out the Consumers' fund and credit the same to the fund as per the interpretation of Government.

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

97. *Inspections.*—Two hundred and ninety inspections were made during the year.

98. *Administration of the Electricity (Supply) Act, 1948.*—As the actual working of the provisions of Electricity (Supply) Act, 1948, revealed certain inherent defects, a number of amendments were proposed to the existing sanctions by both the Central Government and the States.

There was an Inter-State Conference at New Delhi in February 1955 to consider the various amendments proposed in the Electricity (Supply) Amendment Bill, 1954. Due to the peculiar conditions obtaining in this State, the

Government of India granted extension of time up to and inclusive of 31st March 1957 for the formation of the Board in this State. Remarks on the Draft Electricity (Supply) Amendment Bill, 1955, have been forwarded to the Government of India for necessary action.

The licensees in this State were circularized not to charge in future both the interest charges and reasonable return of debenture and loan capital to the revenues of the undertaking detrimental to the interest of the consumers.

99. *Restrictions and control and freezing orders.*—The life of the Madras Essential Articles Control and Requisitioning (Temporary Powers) Act, 1949 (Madras Act XXIX of 1949), has been extended for a further period of two years from 26th January 1956 by means of the Madras Essential Articles Control and Requisitioning (Temporary Powers) Re-enacting Act, 1956 (Madras Act VI of 1956). The question of enacting permanent legislation for the State having powers to regulate the supply price, etc., of electrical energy is still under consideration.

100. *Supply position in licensee's areas.*—In the hydro-electric areas the power position indicated that there would be a power cut of the order of 25 per cent from the beginning of April 1956. The restrictions imposed in G.O. Ms. No. 3003, P.W., dated 16th July 1953, viz., (a) keeping off L.T. power loads during the evening peak load period between 18 and 22 hours and (b) staggering of holiday and recess hours of H.T. industrial establishments not engaged in continuous processes continued to be in force and the consumption for lavish illumination purposes continued to be charged under the special rates.

During the year there was a ban on supplies other than domestic purposes in the Tirunelveli area of Messrs. Tinnevely-Tuticorin Electric Supply Company, due to overloading of licensee's power transformer at Palayamkottai Receiving Station.

In the area of Messrs. Salem-Erode Electricity Distribution Company, Ltd., Salem, certain restrictions on supply had to be imposed in certain areas due to the breakdown of a 215 KVA. step down transformer at the licensee's Nethimedu Receiving Station in addition to the staggering of industrial loads in the area fed by licensees 6 KV system.

In the Power House of Messrs. Mangalore Electric Supply Company, Ltd., the engine went out of commission. Though normal supply has not been affected in any manner but with the advent of summer when the maximum demand on the Power House is likely to go up, a ban on supply to new or additional industrial loads for which applications might have been received by the licensee after 1st January 1956 was imposed.

101. *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, second-hand rails and cement.

No loans were sanctioned by Government to any Local Authority Electrical Undertaking during the year.

In the cases of schemes covered by loans granted by Government to Messrs. South Madras Electric Supply Corporation, Ltd., South Arcot Electricity Distribution Company, Ltd., and the West Coast Electric Supply Corporation, Ltd., progress of execution of work and expenditure was being watched.

During the year tenders to the value of Rs. 2,07,750 were scrutinized and advice to Local Authorities, Electrical Undertakings, was given on the purchase of the materials. The total fees for the scrutiny of tenders amounted to Rs. 1,038-12-0.

In November 1955 the supply of electricity was considerably affected in the areas of the licensees in southern districts due to cyclone and severe rains. Rectification of damages and restoration of the supply of electricity were promptly attended to by the licensees as soon as it was possible for them to do so. In some cases Government Electricity Department lent their men and materials to accelerate their progress.

102. *Laboratory.*—During the year, the total number of tests carried out at the Standards Laboratory under the charge of the Chief Electrical Inspector to Government and outside is detailed below :—

103. (a) *Laboratory tests*—

(1) Rotating sub-standard meters	...	...	...	...	355
(2) Commercial meters and instruments	...	...	...	...	268
(3) Transformer oil samples	...	...	...	...	86
(4) Fire Extinguishers	...	...	...	...	987
(5) Horse-power tests on electric motors	...	...	...	...	3
Total ...					1,699

(b) *Inspection tests*—

(1) High pressure tests	...	...	...	...	47
(2) Supply pressure tests	...	...	...	...	212
(3) Meter tests	...	...	...	...	225
(4) Horse-power tests on electric motors	...	...	...	...	2
Total ...					486

Out of 355 rotating sub-standard metres tested at the laboratory, 240 were brought by the systems and the rest from the licensees.

The following were among the important tests carried out during the year :—

(1) High pressure tests on the windings of 15,000 KVA. Alternator No. 1 at Basin Bridge Power House "B" station.

(2) H.T. tests on H.T. switchgear and L.T. cables and motors at Basin Bridge "B" station.

(3) High pressure tests on two H.T. cables of B. & C. Mills and some transformers belonging to H.T. consumers at Virudhunagar, Valparai and Coimbatore.

The revenue of the laboratory during the year including system payments was Rs. 21,432-8-6.

System.	(1)	Accidents to supply system staff.			Accidents to public due to supply works.			Accidents in consumers premises.			Total.
		Unauthorized working.	Non-compliance with safety rules.	Other causes.	Stripped conductors.	Inquisitive climbing.	Other causes.	Careless handling.	Faulty equipment or wiring.	Other causes.	
Non-fatal—											
Company licensees	..	..	3	6	4	8	12	..	1	..	34
Local authorities	..	..	..	1	..	1	1	..	4	..	7
Non-licensees areas	..	..	..	1	..	1	1	..	4	..	7
									Total	..	48
Departmental	..	..	..	..	..	..	..	..	..	..	238
Non-departmental	..	..	..	..	..	..	..	..	..	..	72
									Grand total	..	310

111. Staff.—(1) Sri G. Sundaram, part-time Consulting Engineer to Government (Electrical), relinquished office on 31st March 1956 afternoon on the expiry of the contract.

(2) Sri S. R. Krishnamurthy, part-time Consulting Engineer to Government (Civil), relinquished office on 31st March 1956 afternoon on the expiry of the contract.

(3) Sri M. B. Kandaswamy, Chief Operation Engineer (South) on retirement on 27th August 1955 has been re-employed as Chief Operation Engineer (South) for one year.

(4) On the expiry of the leave on 7th May 1955, Sri K. M. Kuruvilla was transferred as Chief Electrical Inspector to Government, Madras, vice Sri K. V. Karantha, Chief Electrical Inspector to Government, proceeded on leave from 28th April 1955 preparatory to retirement. Sri Karantha retired from service on 23rd July 1955.

(5) Sri L. Ekambaram, Superintending Engineer, Papanasam Electricity System, was transferred as Superintending Engineer (Generation), Madras Electricity System, Madras, vice Sri P. V. A. Narayanamurthy, who was on leave from 17th June 1955 to 1st August 1955. On the expiry of the leave Sri P. V. A. Narayanamurthy joined as Superintending Engineer, Papanasam Electricity System, Madurai.

(6) On reversion from Andhra State on 1st October 1955 Sri T. Krishnaswamy was posted as Superintending Engineer, Papanasam Electricity System, Madurai, vice Sri P. V. A. Narayanamurthy.

(7) The services of Sri P. V. A. Narayanamurthy were placed at the disposal of the Damodar Valley Corporation for appointment as Deputy Chief Electrical Engineer. He was relieved of his charge as Superintending Engineer in this department on 10th September 1955.

(8) Sri R. Mc. G. Morren, Assistant Generation Superintendent, Madras Electricity System (Generation), Madras, was on leave from 22nd September 1955 to 26th October 1955.

(9) Sri B. V. Ananda Rao, Divisional Electrical Engineer, was promoted as Superintending Engineer (Electrical) and was posted as Superintending Engineer, Madras Electricity System (Generation), Madras, vice Sri L. Ekambaram proceeded on leave for three months from 8th March 1956. Sri Ananda Rao assumed charge as Superintending Engineer on 8th March 1956.

(10) Sri G. S. Rama Iyer, Divisional Electrical Engineer, was promoted as Superintending Engineer (Electrical) and was posted as Superintending Engineer, Papanasam Electricity System, Madurai, vice Sri T. Krishnaswamy. Sri G. S. Rama Iyer assumed charge as Superintending Engineer on 18th March 1956.

(11) Sri T. Krishnaswamy, Superintending Engineer, Papanasam Electricity System, Madurai, was transferred as Chief Electrical Inspector to Government, Madras, vice Sri K. M. Kuruvilla, Chief Electrical Inspector to Government, who proceeded on leave from 26th March 1956 preparatory to retirement on 25th June 1956.

(12) Sri G. S. Rajan, Executive Engineer (Civil), was promoted as Superintending Engineer (Civil) and was posted as Superintending Engineer, General Construction Circle, Tiruchirappalli, vice Sri G. Venkataraman, Sri G. S. Rajan assumed charge as Superintending Engineer on 24th January 1956.

(13) Sri G. Venkataraman, Superintending Engineer, General Construction Circle, Tiruchirappalli, was transferred as Superintending Engineer, Kundah Hydro-Electric Scheme, Coonoor.

112. Acknowledgment.—The thanks of the Department are due to the Director-General, India Stores Department, London, Central Water and Power Commission, Delhi and 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.

Thanks are also due to Sri G. Sundaram, part-time Consulting Engineer to Government (Electricity) and Sri S. R. Krishnamurthy, part-time Consulting Engineer to Government (Civil), for their valued advice and assistance during the year.

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

30th June 1956.

V. P. APPADURAI,
Chief Engineer for Electricity.

APPENDICES.

APPENDIX A.

List of works undertaken—81-A. Capital Outlay on Electricity Schemes
with expenditure to end of March 1956.

Name of scheme.	Expenditure during 1955-56.	To end of 1955-56.
	RS.	RS.
<i>I. Operation Capital.</i>		
1. Pykara Hydro-Electric Scheme	21,34,848	2,59,02,970
2. Additional Generating sets	..	41,66,155
3. Mukurthi Dam	..	14,95,150
4. Mukurthi Dam Spillway Gates	..	2,60,062
5. Distribution of power	1,00,64,288	4,18,43,877
6. West Coast Extension	31,433	63,39,127
7. Kollegal Distribution Scheme	2,994	2,43,361
8. Nilambur Manjeri	3,900	2,60,285
9. Supply to Palghat	..	1,21,160
10. Do. Fort Hall	..	6,105
11. Do. Madurai	..	22,63,415
12. Do. Periakulam	..	2,24,429
13. Do. Gobi	..	1,94,969
14. Do. Tirur-Ponnani	32,578	9,82,533
15. Do. Kuzhalur	1,30,545	1,30,459
16. Do. Alathur	3,644	4,72,060
17. Do. Kollengode and Vadavanoor	28,486	5,61,075
18. Do. Marikundu-Subbalapuram	415	2,23,332
19. Do. Kayuchi	5,585	1,77,024
20. Do. Ithalur-Nanjanad	25,000	1,95,290
21. Moyar Hydro-Electric Scheme	17,17,828	3,10,51,846
22. Pykara-Moyar-Erode Line	1,75,197	69,92,973
23. Veerakkal-Vannampatti	1,53,837	3,12,280
24. Street lights at Gudalur Panchayat area	— 2,915	98,104
25. Sadayampalayam Extensions	94,726	1,74,658
26. Palangarai Extensions	1,32,823	1,59,854
27. Badagara Extensions	6,80,705	9,89,294
28. Meppadi-Vythiri Extensions	2,68,023	2,90,432
29. Ponnikadu	1,78,013	1,78,013
30. Thevaramcombai	1,76,138	1,76,138
31. Hymadi, etc., villages	2,10,798	2,10,798
32. Pooli, Ottapalam, Lakkidi villages	1,20,456	1,20,456
33. Muki, etc., villages	2,69,291	2,69,291
34. Pykara Plant Extension III Stage	7,24,593	3,37,28,820
35. Pollachi Sub-station	40,576	11,77,327
Total	1,74,03,805	16,19,94,822
Acquired Undertakings	11,28,151	— 21,36,314
Total	1,85,31,956	15,98,58,508
Suspense	31,64,122	75,86,197
Total, Operation Capital	2,16,96,078	16,74,44,705

II. Mettur System.

1. Mettur Main Scheme	15,41,267	1,91,35,107
2. Mettur IV Unit	..	14,55,229
3. Loss due to enemy action	..	62,519
4. Extension of office buildings	..	35,371
5. Distribution of Power	62,76,690	2,70,72,908
6. Erode-Trichy Extension	491	13,70,154
7. Trichy-Nagapatnam	..	21,82,947
8. Ranipet-Kaveripauk	..	4,51,397

APPENDIX A—cont.

List of works undertaken—81-A. Capital Outlay on Electricity Schemes
with expenditure to end of March 1956—cont.

Name of schemes.	Expenditure during 1955-56.	To end of 1955-56.
	RS.	RS.
<i>II. Mettur System—cont.</i>		
9. Sirukarambur-Ocheri	— 1,39,782	..
10. Supply of power to Arkonam	..	3,08,631
11. Karur Electric Supply Scheme	..	78,049
12. Mettur-Salem-Erode	..	4,85,821
13. Kumarapalayam Extension	..	26,303
14. Rasipuram Extension	..	72,886
15. Veeravandy Firka	1,59,058	3,71,810
16. Kadambuliur Firka	..	4,59,643
17. Workshop Expansion Scheme	68,809	12,58,413
18. Usambady Mullavady	..	1,78,851
19. Pichavakkam	— 101	3,32,724
20. Sendamangalam	7,211	1,91,472
21. Neimili-Vettangulam	1,453	2,19,437
22. Gudiyaham Electrical Undertakings	..	4,97,889
23. Tiruvannamalai Undertaking	..	2,37,787
24. Compensation to Tiruvannamalai Undertakings	1,06,793	— 1,10,919
25. Madras-Mettur Inter-connection Scheme	24,41,482	1,64,85,481
26. Pallikonda Extension	4,63,192	9,88,518
27. Chengam-Pudupalayam	5,42,776	11,19,227
28. Essayanur-Valavannur	1,62,022	3,62,906
29. Pinnathangal-Agarum	56,612	2,85,332
30. Vanjalur-Kolathupalayam	27,375	1,66,084
31. Pallur-Govindavady	33,341	2,21,869
32. Chinnampatty-Kittanpatty	1,14,723	3,16,127
33. Nallavampalayam-Savalpcondi	66,566	2,16,579
34. Kondili-Nariyandri Extension	71,717	1,89,696
35. Kavanur Kikkuppam	86,909	2,01,600
36. Kallakurichi-Thiagadurgam	4,28,678	6,60,672
37. Avalurpet	6,76,117	6,76,117
38. Vellalathur Kuldikai	2,92,547	2,92,547
39. Melapalam Panapakkam	2,44,840	2,44,840
40. Kadiranalur-Kannurpatti	2,13,710	2,13,710
41. Vadakethipatty-Odagathur	4,64,123	4,64,123
42. Kadirampatty-Sellandampatty	1,35,573	1,35,573
43. Mallas-mudram-Mangalam	2,56,525	2,55,525
44. Munnakkal	1,05,381	1,05,381
45. Sellapi-laikuttai	80,462	80,462
46. Kallari-Savipatti	61,560	61,560
47. Palayanur-Timiri	1,58,710	1,58,710
48. Sembadi Karivedu	59,373	59,373
49. Vangal-K. pichipalayam	1,87,009	1,87,009
50. Penmanallur-Aripatty	1,43,397	1,43,397
51. Malhur	49,309	49,309
52. Thoppapatti	61,721	61,721
53. Kandampatti Puthur	24,850	24,850
54. Maligaipattu Vadandianallur	27,571	27,571
55. Ambur Vaniyambadi Undertaking	6,49,121	6,49,121
56. Hosur	4,76,746	5,96,026
57. Vadakadappa Thangal-Malavenkatapuram	87,969	2,08,896
58. Harur	3,22,661	4,29,029
59. Kilalathur-Pasumathur	1,63,805	2,07,847
60. Kadambankurichi	99,046	1,63,886
61. Erode-Salem	(—) 38,615	27,09,677
62. Erode-Trichy-Dalmiapuram	84,603	50,86,313
63. Tanjore-Mayavaram-Chidambaram	96,906	33,94,064
64. Tirupathur Undertakings	68,107	68,107
Total	1,77,69,400	9,43,42,755
Suspense	54,06,856	1,53,55,543
Total, Operation Capital	2,31,76,256	10,96,98,298

APPENDIX A—cont.

List of works undertaken—81-A. Capital Outlay on Electricity Schemes with expenditure to end of March 1956—cont.

Name of schemes.	Expenditure during 1955-56. RS.	To end of 1955-56. RS.
III. Papanasam System.		
1. Papanasam Hydro-Thermal Scheme	4,87,219	1,81,37,490
2. Distribution of power	53,33,467	1,61,95,212
3. Supply of power to Virudhunagar	..	8,89,001
4. Do. Koilpatty	..	5,15,176
5. Do. Ramanathapuram	..	4,12,692
6. Do. Madurai	..	9,69,567
7. Do. Sholavandan	..	1,95,228
8. Do. Shankar nagar	6,850	2,79,228
9. Do. Chinnam niachi	— 3,708	3,17,525
10. Do. Malli Firka	..	2,92,758
11. Do. North Malli	27,768	5,15,958
12. Do. Travancore	— 1,865	7,69,600
13. Do. Venkatasamudram	..	2,16,792
14. Do. Kadayannallur	9,242	4,97,129
15. Do. Okkur	..	3,23,010
16. Do. Neikuppai	..	97,937
17. Do. Kunnaibore-Kulliyapatty	7,908	2,64,958
18. Do. Ramanathapuram-Mandapam	80	2,85,250
19. Madurai-Koilpatty II Circuit Line	1,040	15,04,341
20. Papanasam IV Unit Extension	12,156	48,69,000
21. Distribution of power under Construction Scheme	87,713	12,22,200
22. Pazhankottah Extension	17,722	5,90,289
23. Kilarijakulam	5,847	3,65,764
24. Srivaikuntam Extension	11,64,643	27,47,116
25. Melakallur-Kalakad	14,86,979	34,31,824
26. Surandai-Sundarapandyapuram	1,19,430	9,00,600
27. Watrap	8,572	3,47,823
28. Pallipatti Scheme	7,00,105	7,00,105
29. Alangulam-Nettur	2,18,674	2,18,674
30. Kalkurich Johilpatty	1,64,475	1,64,475
31. Alagarkoil-Kidar patty	361	361
32. Erappavari, etc., villages	99,860	99,860
33. Sivagiri-Viswanatham	2,01,074	2,01,074
34. Madurai Thermal Scheme	13,236	1,19,38,550
35. Alanginellur-Pallamedu	2,87,134	4,08,635
36. Seithur Devadanam	4,43,725	4,51,097
37. Panambuli Vadakarai	1,30,201	1,38,669
38. Vandiyur-Othakadai	2,00,185	2,00,581
39. Uthangudi-Settipatty	1,94,102	2,01,288
40. Rameswaram	2,56,102	2,56,204
41. Madurai-Thirumangalam-Rajapalayam	5,33,661	43,85,867
42. Madurai-Sivaganga	14,045	16,29,832
43. Piramalai, etc. villages	15,332	15,332
Total	1,22,43,359	7,81,67,072
Acquired Undertakings	13,15,762	7,98,242
Total	1,35,59,121	7,89,65,314
Suspense	12,86,160	96,89,994
Total, Operation Capital	1,48,45,281	8,86,55,308

APPENDIX A—cont.

List of works undertaken—81-A. Capital Outlay on Electricity Schemes with expenditure to end of March 1956—cont.

Name of scheme.	Expenditure during 1955-56. RS.	To end of 1955-56. RS.
IV. Madras System.		
1. Madras Thermal Scheme	54,21,809	2,92,05,770
2. Distribution of power	54,75,973	2,94,99,633
3. Kodambakkam-Kadambathur	..	3,47,441
4. Nemili-Keerapakkam	..	54,303
5. Improvement to 'A' Station	..	1,25,90,885
6. Improvement to 'C' Station	..	20,85,341
7. 'B' Station Extension	72,48,789	4,27,96,138
8. Chingleput-Kancheepuram	5,05,360	22,47,102
Total	1,86,51,931	11,07,26,613
Acquired undertaking	5,64,382	— 6,17,623
Total	1,92,16,313	11,01,08,990
Suspense	62,13,520	1,89,57,187
Total, Operation Capital	2,54,29,833	12,90,66,177
Grand Total, Operation	8,51,47,448	49,48,04,488
I. Pykara System—		
1. Pykara-Coimbatore-Madurai III Circuit line	22,42,651	98,08,221
2. South Kanar	18,24,132	52,46,174
4. Udumalpet-Travancore-Cochin Border 110 KV Line	3,342	3,324
3. Coimbatore-Madukkarai-Palghat	1,39,699	1,39,699
Total	42,09,824	1,51,97,433
II. Mettur System—		
1. Salem-Namakkal	10,38,576	19,74,142
2. Neiveli-Villupuram	2,090	2,351
3. Singarapet-Villupuram	32,09,615	43,24,076
4. Erode-Tiruchirappalli Changeover	5,71,000	5,71,700
5. Villupuram-Pondicherry	3,110	3,110
Total	44,25,091	68,75,379
III. Papanasam System—		
Papanasam-Tirunelveli-Kayahtar	72,540	27,98,630
Suspense	19,90,619	48,61,507
Total	20,63,159	76,60,137
IV. Madras System—		
1. Madras 'B' Station Extension	18,14,707	18,14,707
Suspense	23,19,679	16,99,679
Total	41,34,386	35,14,386
V. Periyar Hydro-Electric Scheme—		
1. Periyar Hydro-Electric Scheme	75,68,362	87,83,547
2. Sambatti-Iheni 110 KV Line	8,78,554	8,79,033
Total	84,46,916	96,62,580
Suspense	4,75,667	9,19,343
Total for Periyar Hydro-Electric Scheme	89,22,583	1,05,81,923
IV. Kundah—		
Kundah Hydro-Electric Scheme	10,35,029	10,35,029
Suspense	3,80,368	2,80,368
Total	14,15,397	14,15,397
Total, Construction—Capital	2,54,70,440	4,52,44,655
Grand total—Capital Outlay	11,07,17,888	54,01,09,143

APPENDIX B.

Budget provision for Capital Works in 1956-57.

81-A. CAPITAL OUTLAY ON ELECTRICITY SCHEMES.

Serial number and particulars.	Budget Estimate for 1956-57. RS.
I. Hydro-Electric Schemes—	
A. Pykara Hydro-Electric Scheme—	
(i) Generation	20,000
(ii) Transmission and distribution	27,55,100
(iii) Distribution of power	1,28,54,600
(iv) Extensions costing over Rs. 2 lakhs	31,18,000
(v) Suspense	— 20,99,800
	<u>1,66,47,900</u>
B. Moyar Scheme	6,00,400
C. Pykara Plant Extension III and Final stage	11,14,300
D. 66 K.V. Extension to and construction of a sub-station at Pollachi	6,67,000
E. Supply to South Kanara district from Jog Falls	2,01,800
F. Coimbatore-Madukkarai-Palghat Extension	8,33,200
G. Extension of 110/66 K.V. D.C. line from Travancore-Cochin State Border to Udumalpet	26,67,000
Total, Pykara Hydro-Electric Scheme ..	<u>2,27,31,600</u>
H. Mettur Hydro-Electric Scheme—	
(i) Generation	37,700
(ii) Transmission and distribution	7,95,800
(iii) Distribution of power	84,75,200
(iv) Extensions costing over Rs. 2 lakhs	39,43,900
(v) Suspense	1,14,22,000
	<u>2,46,74,600</u>
J. Madras-Mettur-Inter-connection	18,20,700
K. Salem-Namakkal 110 K.V. line Extension	3,88,000
L. Extension of supply from Erode to Tiruchirappalli and Dalmiapuram	76,800
M. 66/110 K.V. Extensions from Erode to Salem	400
N. Mettur Workshop Expansion Scheme	1,94,000
O. Chingleput-Kancheepuram-Arkonam Extensions	400
P. Tanjore-Mayuram-Chidambaram Extension	23,43,000
Q. Singarapet-Villupuram 110 K.V. Extension	4,90,300
R. Neiveli-Villupuram 110 K.V. line	7,71,800
S. Erode-Tiruchirappalli III Circuit 110 K.V. line	4,77,900
T. Extension of 66 K.V. line from Villupuram to Pondicherry	
Total, Mettur Hydro-Electric Scheme ..	<u>3,12,37,900</u>
U. Papanasam Hydro-Thermal Scheme—	
(i) Generation	500
(ii) Transmission and Distribution	15,87,100
(iii) Distribution of power	86,34,400
(iv) Extensions costing over Rs. 2 lakhs	20,33,700
(v) Suspense	29,33,900
	<u>1,51,88,600</u>
V. Papanasam Plant Extensions II Stage	— 57,02,400
	<u>94,87,200</u>
W. Periyar Hydro-Electric Scheme	3,21,63,600
X. Kundah Hydro-Electric Scheme	2,00,00,000
Total I, Hydro-Electric Schemes ..	<u>11,56,20,300</u>

APPENDIX B—cont.

Budget provision for Capital Works in 1956-57—cont.

81-A. CAPITAL OUTLAY ON ELECTRICITY SCHEMES—cont.

Serial number and particulars.	Budget Estimate for 1956-57. RS.
II. THERMO-ELECTRIC SCHEMES—	
A. Madras Thermal Scheme—	
(i) Generation	2,63,400
(ii) Transmission and distribution	57,09,500
(iii) Distribution	41,12,300
(iv) Extensions costing over Rs. 2 lakhs	52,34,700
(v) Suspense	
	<u>1,53,19,900</u>
B. Madras Power Station Extension	1,60,99,000
Total II, Thermo-Electric Schemes ..	<u>3,14,18,900</u>
Lump-sum provision for payment of compensation for acquisition of Electrical Undertakings of local authorities and private companies.	+ 36,67,500
Lump-sum deduction for probable savings	— 2,00,00,000
Total for Capital Works—Major Head 81-A—Voted ..	<u>13,07,06,700</u>

APPENDIX C.

Details of establishment charges and fees earned during 1955-56 and estimated for 1956-57.

	Expenditure during 1955-56. RS.	Budget Estimate for 1956-57. RS.
I. Pykara Hydro-Electric Scheme—		
Salaries, allowances and other charges	19,74,634	18,49,900
Add charges payable to Government Departments, etc.	4,33,095	5,18,100
Total ..	<u>24,07,729</u>	<u>23,68,000</u>
Less charges recoverable from Government Departments	7,83,199	9,11,900
Total ..	<u>16,24,530</u>	<u>14,56,100</u>
Operation and maintenance expenses excluding suspense	96,88,848	1,08,06,900
Grand total ..	<u>1,13,13,378</u>	<u>1,22,63,000</u>
Gross Revenue	2,22,79,539	2,69,99,000
Net surplus ..	<u>1,09,66,161</u>	<u>1,47,36,000</u>

APPENDIX C—cont.

Details of establishment charges and fees earned during 1955-56 and estimated for 1956-57—cont.

	Expenditure during 1955-56. RS.	Budget Estimate for 1956-57. RS.
II. Mettur Hydro-Electric Scheme—		
Salaries, allowances and other charges	15,09,530	15,71,600
Add charges payable to Government Departments, etc. ..	1,79,055	1,83,500
Total ..	16,88,585	17,55,100
Less charges recoverable from Government Departments.	8,05,367	7,30,400
Total ..	8,83,218	10,24,700
Operation and maintenance expenses excluding suspense ..	1,12,78,439	1,30,66,400
Grand total ..	1,21,61,657	1,40,91,100
Gross Revenue ..	1,67,49,746	1,81,48,800
Net surplus ..	45,88,089	40,57,700
III. Papanasam Hydro-Thermal Scheme—		
Salaries, allowances and other charges	13,97,469	13,02,200
Add charges payable to Government Departments, etc. ..	1,87,145	2,22,600
Total ..	15,84,614	15,24,800
Less charges recoverable from Government Departments.	5,07,070	5,00,500
Total ..	10,77,544	10,24,300
Operation and maintenance expenses excluding suspense ..	52,82,219	71,71,300
Grand total ..	63,59,763	81,95,600
Gross Revenue ..	87,04,515	1,06,31,800
Net surplus ..	23,44,752	24,36,200
IV. Madras Thermal Scheme—		
Salaries, allowances and other charges	17,29,190	16,67,800
Add charges payable to Government Departments, etc. ..	2,27,901	2,50,800
Total ..	19,57,091	19,18,600
Less charges recoverable from Government Departments.	8,57,744	7,16,500
Total ..	10,99,347	12,02,100
Operation and maintenance expenses excluding suspense ..	1,40,82,296	1,55,47,600
Grand total ..	1,51,81,643	1,67,49,700
Gross Revenue ..	2,25,74,631	2,46,64,500
Net surplus ..	73,92,988	79,14,800
Additional revenue from surcharge on electricity tariff ..	..	45,00,000

APPENDIX D-1.

List of electric supply undertakings in service on 31st March 1956.

(a) Local authorities.	(b) Company licensees—cont.	(c) Company licensees—cont.
1 Coimbatore. 2 Karur. 3 Madurai. 4 Pollachi. 5 Tanjore.	3 Devakottai. 4 Kanadukathan. 5 Karakkudi. 6 Kumbakonam. 7 Mangalore. 8 East Tanjore. 9 Nattarasankottai. 10 Nacapattinam. 11 South Arcot. 12 Salem-Erode. 13 Tiruchirappalli-Srirangam. 14 Tirunelveli-Tuticorin.	15 Vellore. 16 Pudukkottai Electric Supply Corporation, Limited. 17 Pudukkottai State Electric licensee. 18 Ramachandrapuram. 19 Ponnammavathy. 20 Kanara Ceramics, Limited, Kasaragod (sanctioned under section 28 of Indian Electricity Act).
(b) Company licensees. 1 Kozhikode. 2 Cannanore-Tellicherry.		

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 Ponnammavathy.

2 Mangalore.

APPENDIX D-6.

List of licensees who increased their tariffs.

Nil.

APPENDIX D-7.

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

Kanara Ceramics, Limited, Kasaragod (sanctioned under section 28 of Indian Electricity Act). RS. A. P. 0 10 0

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 ..	2,230.5 KVA. or 1,784.4 KW.	{ 3 x 812.5 KVA. 2 x 334 KVA. 1 x 625 KVA.	{ Oil engine Do. Do.	{ 33 KV.
<i>II.—Government undertakings.</i>				
1. Pykara system—				
(a) Pykara House.	Power 70,200 KW.	{ 3 x 7,810 KVA. 2 x 12,500 KVA. 2 x 16,000 KVA.	{ Pelton wheel Impulse turbine.	{ 11 KV.
(b) Moyar House.	Power 36,000 KW.	3 x 12,000 KW. (85 P.F.)		11 KV.
(c) Udipi House.	Power 558 KW.	{ 1 x 110 KW. 2 x 224 KW.	{ Oil engine	{ 400 V.

APPENDICES

APPENDIX E—cont.

Total capacities of plants installed in electric supply undertaking
in service in the State—cont.

II—Government undertakings—cont.

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. A.C.
(1)	(2)	(3)	(4)	(5)
2. Mettur system— Mettur Power House.	40,000 KW. ..	4 × 12,500 KVA. ..	..	Reaction turbine. 11 KV.
3. Papanasam system— (a) Papanasam Power House.	28,000 KW. ..	4 × 7,250 KVA. ..	..	Reaction turbine. 11 KV.
(b) Madurai Thermal station.	14,000 KW. ..	{ 1 × 4,000 KW. 1 × 10,000 KW. .. }	..	Steam turbine. 6.6 KV. 11 KV.
4. Madras system— (a) Basin Bridge 'A' station.	88,500 KW. ..	{ 1 × 5,000 KW. 1 × 6,000 KW. 1 × 12,500 KW. 1 × 15,000 KW. .. }	..	Steam turbine. 5 KV.
(b) Basin Bridge 'B' station.	30,000 KW. ..	2 × 15,000 KW. ..	..	Ida. 11 KV.
Total for Government undertaking.	257,258 KW.			
Total for licensees ..	1,784.4 KW.			
Total for State ..	259,042.4 KW.			

APPENDIX F-1—TABLE OF ELECTRIC SUPPLY, COSTS AND
RECORDS—COMPANY LICENSEES

APPENDIX

Table of electric supply, costs and

Serial number and name of undertaking.	Year of operation.	Year of accounts to which the figures refer.	System and supply of voltage.	Total generation or purchase cost per unit in annas.	Working cost per unit sold in annas.
(1)	(2)	(3)	(4)	(5)	(6)
				AS.	AS.
1 Cannanore-Tellicherry.	17th ..	1954-55 ..	A.C. 400/230 V. 50 cycles.	0.51	1.54
2 Devakkottai ..	31st ..	1954-55 ..	Do.	0.81	2.04
3 East Tanjore ..	21st ..	1954-55 ..	Do.	0.54	3.75
4 Kanadukathan ..	31st ..	1954-55 ..	Do.	0.58	1.78
5 Karaikudi ..	25th ..	1954-55 ..	Do.	0.65	1.89
6 Kasaragod ..	6th ..	1954-55 ..	Do.	4.11	8.81
7 Kozhikode ..	26th ..	1954-55 ..	Do.	0.46	1.27
8 Kumbakonam ..	23rd ..	1954 ..	Do.	0.55	2.11
9 Mangalore ..	22nd ..	1954-55 ..	Do.	0.21	4.16
10 Nagapattinam ..	20th ..	1954 ..	Do.	0.57	1.53
11 Nattarasankottai ..	22nd ..	1954-55 ..	Do.	0.80	2.87
12 Ponnamaravathi ..	17th ..	1954-55 ..	Do.	0.57	1.11
13 Pudukkottai ..	27th ..	1954 ..	Do.	0.65	1.82
14 Pudukkottai State.	17th ..	1954-55 ..	Do.	..	0.83
15 Ramachandrapuram.	29th ..	1954-55 ..	Do.	0.78	1.00
16 Salem-Erode ..	23rd ..	1954-55 ..	Do.	0.49	0.99
17 South Arcot ..	20th ..	1954 ..	Do.	0.47	1.22
18 Tirunelveli-Tuticorin.	22nd ..	1954-55 ..	Do.	0.45	1.06
19 Tiruchirappalli-Srirangam.	27th ..	1954-55 ..	Do.	0.30	1.50
20 Vellore ..	24th ..	1954-55 ..	Do.	0.52	1.2

F-1.

records—Company licensees.

Domestic.		Commercial.		Industrial.		Public lighting.
Heat and power.	Light and fan.	Heat and power.	Light and fan.	Low and medium voltage.	High voltage.	
(7)	(8)	(9)	(10)	(11)	(12)	(13)
AS.	AS.	AS.	AS.	AS.	AS.	AS.
1.89	5.08	2.08		1.65	0.55	3.79
1.8	4.4	1.09		1.00	..	1.8
8.67		3.67		1.25		2.08
2.88	5.50	2.17	3.33	1.5	..	1.67
				Heat and power.		
				4.5		
				Light and fan.		
2.50	3.83	1.94	3.19	1.40	..	1.50
..	9.5	..	11.16	4.54	..	4.6
1.26	3.32	1.66 (small power.)		1.13	0.56	1.5
2.02	4.30	1.94	2.00	1.03	..	1.84
3.31	6.09	3.07	4.28	3.29	..	3.21
2.11	4.87	1.87	3.26	1.36	0.69	2.00
1.86	4.88	..	3.95	1.42	..	1.99
3.3	4.56	3.3	4.56	1.33	0.62	1.99
1.33	3.55	2.03	3.30	1.65	0.95	2.00
2.83		2.83		0.58		2.00
3.00	5.03	..	4.33	1.5	..	2.08
1.57	3.35	1.29	1.52	0.85	0.53	1.33
2.43	5.29	1.10	3.55	1.03	0.70	1.97
1.69	3.41	1.18	3.87	1.01	0.47	1.28
3.17		3.17		0.50		1.67
3.00		1.03		0.87	0.54	2.5

APPENDIX

Table of electric supply, costs and

Serial number and name of undertaking.	Year of operation.	Year of accounts to which the figures refer.	Traction.	Irrigation.	Public water works and sewage pumping.	Supplies in bulk to distributing licensees.
			(14)	(15)	(16)	(17)
				AS.	AS.	AS.
1 Cannanore-Tellicherry.	17th	1954-55 ..	..	4.22	..	..
2 Devakkottai ..	31st	1954-55 ..	..	2.1	1.4	..
3 East Tanjore ..	21st	1954-55 ..	..	1.50	2.17	0.75
4 Kanadukathan ..	31st	1954-55 ..	..	3.00	..	0.67
				Heat and power. 9.67 Light and fan		
5 Karaikudi ..	25th	1954-55 ..	..	1.53	1.38	..
6 Kasaragod ..	6th	1954-55 ..	..	..	..	..
7 Kozhikode ..	26th	1954-55 ..	..	1.00	..	..
8 Kumbakonam ..	23rd	1954 ..	..	2.21	0.75	..
9 Mangalore ..	22nd	1954-55 ..	..	3.82	..	..
10 Nagapattinam ..	20th	1954 ..	..	2.07	0.76	..
11 Nattarasankottai ..	22nd	1954-55 ..	..	2.03	..	..
12 Ponnamaravathi ..	17th	1954-55 ..	..	1.66	..	0.76
13 Pudukkottai ..	27th	1954 ..	..	1.20	1.13	..
14 Pudukkottai State.	17th	1954-55 ..	..	1.75	..	0.58
15 Ramachandrapuram.	29th	1954-55 ..	..	2.17	2.47	..
16 Salem Erode ..	23rd	1954-55 ..	..	0.85	..	..
17 South Arcot ..	20th	1954 ..	..	1.02	0.97	..
18 Tirunelveli-Tuticorin.	22nd	1954-55 ..	..	1.45	1.20	..
19 Tiruchirappalli-Tirirangam.	27th	1954-55 ..	..	1.42	0.67	..
20 Vellore ..	24th	1954-55 ..	..	0.91	0.78	..

F.1—cont.

records—Company licensees—cont.

Revenue per unit sold (overall).	Total operating cost including depreciation.	Revenue from electrical supply only.	Total revenue from working.	Net profit from the balance-sheet (+) or (—).	Total capital expenditure up to the end of the year. (23)
(18)	(19)	(20)	(21)	(22)	(23)
AS.	RS.	RS.	RS.	RS.	RS.
1.94	4,59,077	3,44,085	5,76,756	1,17,297	14,35,522
3.2	1,07,717	1,19,842	1,42,278	15,660	3,83,964
2.08	12,20,075	15,00,914	16,26,871	— 88,687	54,56,832
2.27	1,94,168	2,13,731	2,45,748	35,118	9,21,805
2.76	1,70,128	2,21,556	2,50,243	49,945	7,21,067
8.64	54,120	48,700	58,774	— 2,438	1,55,066
1.67	7,27,932	8,68,987	9,56,888	1,41,800	20,46,750
2.72	7,51,979	8,67,164	9,70,253	1,11,011	33,59,278
4.38	8,90,843	9,37,154	10,03,897	1,22,476	19,37,576
1.96	3,54,619	3,98,567	4,52,578	41,545	11,27,819
3.4	74,922	77,100	88,636	15,201	2,81,567
1.33	1,48,944	1,67,902	1,83,703	32,637	5,37,764
2.37	1,58,704	2,06,855	2,26,895	13,503	8,48,501
0.58	3,80,624	3,68,401	3,77,302	— 24,384	8,75,592
2.07	68,163	80,925	91,544	19,469	5,12,181
1.19	12,93,850	15,69,631	16,58,606	4,70,260	32,63,421
1.42	16,24,390	17,88,235	18,84,552	1,46,581	53,94,423
1.2	10,11,230	11,38,079	12,95,788	3,53,431	30,54,336
0.92	25,27,676	30,19,817	32,30,711	6,18,186	92,03,357
1.5	8,75,309	7,63,005	8,18,934	1,26,631	20,23,584

APPENDIX

Table of electric supply, costs and

Serial number and name of undertaking.	Year of operation.	Year of accounts 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 Cannanore-Tellicherry.	17th	1954-55 ..	59,905	3,62,118	36,254	..	1,275 K.W.
2 Devakkottai ..	31st	1954-55 ..	10,211	1,92,822	4,437	..	282 K.W.
3 East Tanjore ..	21st	1954-55 ..	1,94,979	16,33,896	31,995	..	3,951 K.W.
4 Kanadukathan ..	31st	1954-55 ..	37,490	4,01,738	11,755	..	575 K.V.A.
5 Karakkudi ..	25th	1954-55 ..	25,548	3,01,539	9,013	..	582 K.V.A.
6 Kasaragod ..	6th	1954-55 ..	8,091	34,087	1,240	75 K.W.	75 K.W.
7 Kozhikode ..	26th	1954-55 ..	80,505	5,43,832	51,952	..	2,580 K.W.
8 Kumbakonam ..	23rd	1954 ..	1,21,264	8,82,738	1,55,769	..	2,335 K.V.A.
9 Mangalore ..	22nd	1954-55 ..	58,005	8,36,532	26,500	1,784 K.W.	1,170 K.W.
10 Nagapattinam ..	20th	1954 ..	44,823	3,37,357	9,526	..	1,470 K.W.
11 Nattarasankottai ..	22nd	1954-55 ..	9,695	1,21,746	3,650	270	157.5 K.W.
12 Ponnamaravathi ..	17th	1954-55 ..	18,754	1,68,773	2,543	1,226.5 K.V.A.	550 K.W.
13 Pudukkottai ..	27th	1954 ..	18,208	1,97,639	8,074	..	510 K.W.
14 Pudukkottai State.	17th	1954-55 ..	30,001	1,95,403	12,213	..	Included in Tiruchirappalli Srirangam Electric Licence.
15 Ramachandrapuram.	29th	1954-55 ..	13,263	2,47,959	9,012	..	219 K.W.
16 Salem-Erode ..	23rd	1954-55 ..	1,98,140	11,49,605	51,234	..	5,184 K.W.
17 South Arcot ..	20th	1954 ..	2,06,729	13,61,638	83,188	..	6,680 K.W.
18 Tirunelveli-Tuticorin	22nd	1954-55 ..	95,898	11,05,399	37,725	..	3,761 K.W.
19 Tiruchirappalli-Srirangam.	27th	1954-55 ..	3,12,174	25,73,594	1,64,927	..	11,204 K.W.
20 Vellore ..	24th	1954-55 ..	72,552	5,70,520	81,707	..	2,200 K.W.

F-1—cont.

records—Company licensees—cont.

Total units generated for the year.	Total units purchased for the year.	Load factor.	Total units sold in the year.	Total number of consumers at the end of the year.	Dividend declared on ordinary shares.
(29)	(30)	(31)	(32)	(33)	(34)
		PER CENT.			
..	5,580,983	42.53	4,751,418	4,392	10 per cent, tax-free.
..	915,230	29.17	720,465	1,674	6 per cent, tax-free.
..	14,182,538	32.89	11,375,797	17,469	9 per cent.
..	2,294,113	34.30	1,727,696	2,185	Not received.
..	1,711,384	23.48	1,451,668	2,899	9 per cent, tax-free.
126,127	..	15.15	99,534	332	NIL.
..	10,531,630	40.47	9,148,730	5,389	10 per cent, tax-free.
..	6,952,527	27.27	5,698,387	13,533	8½ per cent.
4,042,970	..	33.39	3,422,270	4,643	10 per cent, tax-free.
..	4,413,788	28.71	3,696,321	4,603	8½ per cent.
..	502,991	30.23	417,082	1,204	5 per cent, tax-free.
..	2,380,100	45.55	2,195,361	1,791	5 per cent.
..	1,593,450	31.23	1,394,830	2,529	10 per cent.
Included in Tiruchirappalli-Srirangam Electric Licence.	..	..	9,469,238	504	9 per cent.
..	584,599	22.73	435,965	1,297	3 per cent, tax-free.
..	21,184,946	46.35	21,053,313	14,508	10 per cent, tax-free.
..	26,917,981	36.34	21,265,611	10,181	6½ per cent, tax-free.
..	17,203,000	46.19	15,218,036	13,023	10 per cent, tax-free.
..	65,952,150	53.01	51,936,363	23,242	9 per cent.
..	9,553,852	45.12	8,695,410	8,258	10 per cent, tax-free.

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.	Total generation or purchase cost per unit.	Revenue per unit sold.								Total expenditure against revenue [see Note (2)].	Revenue from electric supply.
					Working cost per unit [see Note (2)].	Lights and	Power.	Special contract.	Street lighting.	Total [see Note (3)].	AS.	AS.			AS.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
1 Coimbatore ..	..	1954-55	.. A.C. 400/230 V. 55 cycles.	0.52	1.60	2.31	0.92	1.32	0.79	2.41	8,78,954	11,15,055	AS.	
2 Karur ..	..	1954-55	.. Do.	0.62	1.39	4.11	0.89	..	2.02	2.09	1,27,958	1,94,419	AS.	
3 Madurai ..	..	1954-55	.. Do.	0.46	1.19	3.02	0.83	0.74	1.25	2.01	10,97,111	16,27,691	AS.	
4 Pollachi ..	..	1954-55	.. Do.	0.56	1.43	3.66	0.93	NIL	2.00	1.93	2,00,090	2,34,184	AS.	
5 Tanjore ..	..	1954-55	.. Do.	0.74	1.51	3.03	0.99	0.60	1.78	1.42	3,15,504	3,85,797	AS.	

Serial number and name of undertaking.

Serial number and name of undertaking.	Total revenue from working note (3).	Net profit (+) or (-) 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 on the feeders.	Units generated for the year.	Units purchased for the year.	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)
1 Coimbatore ..	RS. 13,24,802	+ 12,45,103	1,11,918	21,47,153	3,650	3,240	..	10,225,464	8,777,343	11,912
2 Karur ..	.. 1,94,419	+ 65,915	9,313	2,77,673	525	465	..	1,632,153	1,470,255	2,245
3 Madurai ..	.. 18,42,882	*14,21,489	NIL	33,06,158	7,265	4,280	..	17,049,899	14,740,479	13,436
4 Pollachi ..	.. 2,71,114	+ 22,021	13,933	4,03,030	1,350	690	..	2,617,830	2,239,670	2,170
5 Tanjore ..	.. 4,09,767	+ 79,592	6,655	9,21,409	1,455	950	..	3,397,727	3,333,325	4,388

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

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

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

* Consumers' Fund.

APPENDIX F.3.

Statistical data for the administration report for the year ending 31st March 1956 (Company licensees).

Total connected load in K.W. with consumption, revenues and number of consumers at the end of 1955-56.

Serial number and name of the 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 Calicut	..	12,606,630	10,872,945	2,800	(a) 249 (b) 637,610 (c) Ra. 96,968 (d) 27	816 1,410,398 Ra. 63,960 1	..	..	..	..	..
2 Cannanore-Tellicherry	..	9,733,434	5,947,745	1,675	(a) 48 (b) 185,190 (c) Ra. 41,533 (d) 2	1,253 2,065,092 Ra. 1,12,637 2	..	..	..	..	..
3 Devakottai	..	378,540	685,564	293	(a) 64 (b) 180,647 (c) Ra. 15,788 (d) 16	..	..	..	..	..	..
4 East Tanjore	..	16,757,111	12,855,426	3,050	(a) 105 (b) 305,508 (c) Ra. 37,856 (d) 36	..	..	..	..	..	..
5 Kanchukathan	..	1,849,310	1,302,800	529	(a) .. (b) .. (c) .. (d) ..	..	..	..	..	..	..
6 Kumbakonam	..	8,092,387	7,053,726	1,175	(a) 58 (b) 227,029 (c) Ra. 25,124 (d) 1	..	..	..	..	..	..
7 Karakudi	..	1,812,060	1,543,511	620	(a) 76 (b) 214,317 (c) Ra. 21,170 (d) 26	..	..	..	..	..	..
8 Mangalore	..	4,385,020	3,650,086	1,802	(a) 116 (b) 293,220 (c) Ra. 39,438 (d) 32	..	..	..	..	..	..
9 Nagapattinam	..	4,695,660	4,119,563	1,670	(a) 13 (b) 7,084 (c) Ra. 2,102 (d) 27	..	..	..	..	..	..
											2,467 1,661,926 Ra. 76,815 1

10 Nattarasankottai	..	531,042	413,210	153	(a) .. (b) .. (c) .. (d) ..	..	..	..	..	..	..
11 Salem-Zrode	..	23,906,307	23,453,176	5,379.0	(a) 167 (b) 644,663 (c) Ra. 52,300 (d) 2	2,936 7,346,030 Ra. 23,374 3	..	..	..	..	..
12 South Arcot	..	26,416,566	20,513,190	At Villupuram 5,120 At Chidambaram 565	(a) 100 (b) 391,812 (c) Ra. 75,777 (d) 4	234,256 Rs. 10,946 8	..	..	..	..	..
13 Tiruchirappalli—Sircangam.	..	72,863,893	56,736,350	7,363	(a) 318 (b) 1,286,783 (c) Ra. 193,574 (d) 73	760 1,772,420 Ra. 63,359 1	6,120 30,034,343 Ra. 5,85,648 2	..	..	..	401 1,757,740 Ra. 60,489 1
14 Tirunelveli-Tuticorin	..	10,339,372	16,990,723	3,894	(a) 331 (b) 1,043,062 (c) Ra. 73,843 (d) 6	8,707 8,849,766 Ra. 2,65,274 4	..	..	..	..	..
15 Vellore	..	12,316,508	10,603,388	Vellore 1,380 Rampet 352 1,150	(a) 82 (b) 286,629 (c) Ra. 40,511 (d) 2	..	..	..	..	..	617 1,990,957 Ra. 67,945 1
16 Pudukkottai (State)	..	Included in Tiruchirappalli—Sircangam Electric licence.	Included in Tiruchirappalli—Sircangam Electric licence.	Included in Tiruchirappalli—Sircangam Electric licence.	(a) .. (b) .. (c) .. (d) ..	1,062 5,605,523 Ra. 1,84,897 2	..	..	..	..	..
17 Pudukottai	..	1,062,125	1,740,535	560	(a) 96 (b) 271,339 (c) Ra. 30,523 (d) 20	100 305,380 Rs. 1,312 1	..	..	..	..	..
18 Ramchandrapuram.	..	6,4094	483,173	237	(a) .. (b) .. (c) .. (d) ..	..	..	..	..	..	..
19 Ponnaravathy	..	2,579,277	2,367,923	645	(a) 687 (b) 1,118,150 (c) Ra. 43,131 (d) 1	..	..	..	..	..	..
20 Karaikal, Karaikal, Karaikal (sanctioned under section 28)	..	135,836	108,458	80	(a) .. (b) .. (c) .. (d) ..	..	..	..	..	..	..

APPENDIX F-3—cont.

Statistical data for the administration report for the year ending 31st March 1956 (Company licensees)—cont.

Number and name of the licensee.	Industrial —cont. Small industries.	Railways.	Government departments.	Panchayat boards.	Agricultural.	Domestic lighting and power.	Miscellaneous.	Total.				Rural electrification.			
								(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
1 Calicut ..	(a) 4,621 (b) 5,083,662 (c) Rs. 3,42,139 (d) 248	(13) 50 131,041 Rs. 14,955	(14) 430 293,848 Rs. 42,909	(15) 6 8,759 Rs. 1,411	(16) 6 3 3	(17) 6 217 Rs. 38	(18) 2,940 2,900,245 Rs. 5,67,826	(19) 169 570,334 Rs. 7,67,760	(20) 9,387 10,572,196 Rs. 12,93,096	7	6,442	..	..	..	..
2 Cannanore — Tellicherry.	(a) 1,759 (b) 1,157,965 (c) Rs. 1,10,903 (d) 130	(13) 20 89,452 Rs. 24,691	(14) 20 75,156 Rs. 22,867	(15) 20 75,156 Rs. 22,867	(16) 19 38,454 Rs. 11,237	(17) 4 272 Rs. 17	(18) 2,066 2,117,977 Rs. 310,531	(19) 492 203,107 Rs. 2,548	(20) 5,433 5,947,715 Rs. 6,32,438	..	..	..	..	..	..
3 Devakottai ..	(a) 286 (b) 183,364 (c) Rs. 11,912 (d) 82	(13)	(14)	(15) 2 1,257 Rs. 240	(16)	(17) 58 7,475 Rs. 1,285	(18) 1,257 345,764 Rs. 86,937	(19) 5 18,057 Rs. 1,836	(20) 1,672 686,564 Rs. 1,17,918	..	1,750	4	20	1	5
4 East Tanjore ..	(a) 7,018 (b) 6,050,046 (c) Rs. 4,84,988 (d) 762	(13) 113 338,161 Rs. 46,263	(14) 113 338,161 Rs. 46,263	(15) 67 40,029 Rs. 10,244	(16) 215 569,398 Rs. 69,739	(17) 814 184,374 Rs. 16,353	(18) 7,908 3,607,662 Rs. 9,34,269	(19) 1,734 1,753,954 Rs. 97,519	(20) 77,212 12,552,426 Rs. 16,77,453	5	18,717	143	1,091	22	109
5 Kanadukottai ..	(a) 500 (b) 334,129 (c) Rs. 32,841 (d) 41	(13) 11 11,104 Rs. 2,208	(14) 11 11,104 Rs. 2,208	(15) 2 1,257 Rs. 240	(16) 215 569,398 Rs. 69,739	(17) 814 184,374 Rs. 16,353	(18) 7,908 3,607,662 Rs. 9,34,269	(19) 1,734 1,753,954 Rs. 97,519	(20) 77,212 12,552,426 Rs. 16,77,453	..	..	..	..	..	..
6 Kumbakonam ..	(a) 3,713 (b) 3,017,527 (c) Rs. 1,89,278 (d) 436	(13) 52 151,793 Rs. 24,508	(14) 52 151,793 Rs. 24,508	(15) 24 34,441 Rs. 7,659	(16) 187 303,857 Rs. 45,221	(17) 287 80,832 Rs. 10,546	(18) 5,973 3,065,591 Rs. 7,57,348	(19) 98 142,656 Rs. 6,910	(20) 10,342 7,053,720 Rs. 11,51,804	..	15,130	75	329	4	28
7 Kanyakumari ..	(a) 396 (b) 341,634 (c) Rs. 25,272 (d) 59	(13) 16 65,764 Rs. 9,721	(14) 16 65,764 Rs. 9,721	(15) 130 62,365 Rs. 8,086	(16) 18 2,959 Rs. 939	(17) 37 3,390 Rs. 444	(18) 1,947 855,101 Rs. 156,811	(19) 2 2,541 Rs. 2,541	(20) 2,602 1,543,511 Rs. 2,21,542	1	2,556	15	48	2	8
8 Mangalore ..	(a) 12,053 (b) 1,194,090 (c) Rs. 2,32,136 (d) 175	(13) 38 85,999 Rs. 21,382	(14) 38 85,999 Rs. 21,382	(15) 364 1,72,569 Rs. 49,484	(16) 40 303,857 Rs. 45,221	(17) 40 303,857 Rs. 45,221	(18) 2,995 1,523,257 Rs. 5,33,999	(19) 284 377,356 Rs. 1,04,843	(20) 5,850 3,650,086 Rs. 10,03,047	..	4,916	..	..	..	..
9 Madapatnam ..	(a) 1,000 (b) 1,025,488 (c) Rs. 73,833 (d) 107	(13) 38 99,842 Rs. 15,203	(14) 38 99,842 Rs. 15,203	(15) 14 22,493 Rs. 5,506	(16) 464 Rs. 131	(17) 10,652 Rs. 1,406	(18) 376,925 Rs. 2,23,408	(19) 73 211,714 Rs. 26,491	(20) 5,884 4,116,563 Rs. 4,21,890	1	4,998	10	27	1	3

10 Nattarakkottai ..	(a) 231 (b) 163,462 (c) Rs. 14,039 (d) 23	(13) 12 14,992 Rs. 3,568	(14) 10 5,003 Rs. 1,584	(15) 10 5,003 Rs. 1,584	(16) 20 51,091 Rs. 9,058	(17) 34 4,508 Rs. 619	(18) 529 167,688 Rs. 58,677	(19) 6 10,936 Rs. 2,702	(20) 381 413,210 Rs. 91,078	..	1,243	11	45	..	..
11 Salem-Krode ..	(a) 7,049 (b) 9,456,088 (c) Rs. 5,00,324 (d) 628	(13) 70 187,471 Rs. 12,366	(14) 45 113,932 Rs. 10,789	(15) 45 113,932 Rs. 10,789	(16) 45 113,932 Rs. 10,789	(17) 45 113,932 Rs. 10,789	(18) 6,943 4,961,419 Rs. 9,40,199	(19) 22 23,488,176 Rs. 17,30,487	(20) 18,679 23,488,176 Rs. 17,30,487	10	15,784	258	1,527	37	246
12 South Arcot ..	(a) 2,772 (b) 4,184,459 (c) Rs. 2,63,035 (d) 190	(13) 151 936,850 Rs. 48,733	(14) 62 139,476 Rs. 15,787	(15) 62 139,476 Rs. 15,787	(16) 20 51,091 Rs. 9,058	(17) 34 4,508 Rs. 619	(18) 2,843 11,90,172 Rs. 2,99,734	(19) 1,438 2,564,591 Rs. 6,36,209	(20) 18,258 20,513,100 Rs. 21,05,069	6	10,885	2,304	10,906	34	489
13 Tiruchirappalli-Srirangam.	(a) 7,053 (b) 8,980,805 (c) Rs. 6,37,082 (d) 915	(13) 251 263,522 Rs. 33,658	(14) 22 263,522 Rs. 33,658	(15) 22 263,522 Rs. 33,658	(16) 22 263,522 Rs. 33,658	(17) 40 303,857 Rs. 45,221	(18) 10,117 6,815,300 Rs. 14,9,903	(19) 445 1,807,669 Rs. 81,191	(20) 30,683 58,736,350 Rs. 32,42,150	5	24,927	1,243	5,735	134	533
14 Tirunelveli-Tuticorin.	(a) 4,148 (b) 3,105,120 (c) Rs. 2,23,746 (d) 415	(13) 63 1,63,719 Rs. 10,658	(14) 63 1,63,719 Rs. 10,658	(15) 63 1,63,719 Rs. 10,658	(16) 63 1,63,719 Rs. 10,658	(17) 63 1,63,719 Rs. 10,658	(18) 10,117 6,815,300 Rs. 14,9,903	(19) 445 1,807,669 Rs. 81,191	(20) 30,683 58,736,350 Rs. 32,42,150	6	13,497	29	149	5	25
15 Vellore ..	(a) 2,970 (b) 2,861,770 (c) Rs. 1,54,958 (d) 287	(13) 62 1,96,220 Rs. 19,501	(14) 62 1,96,220 Rs. 19,501	(15) 62 1,96,220 Rs. 19,501	(16) 62 1,96,220 Rs. 19,501	(17) 62 1,96,220 Rs. 19,501	(18) 2,761 2,106,632 Rs. 14,9,914	(19) 718 1,546,199 Rs. 80,003	(20) 8,768 10,803,388 Rs. 9,28,613	4	9,046	403	1,542	215	714
16 Pudukkottai (State).	(a) 438 (b) 495,194 (c) Rs. 33,119 (d) 36	(13) 2 4,927 Rs. 715	(14) 2 4,927 Rs. 715	(15) 2 4,927 Rs. 715	(16) 2 4,927 Rs. 715	(17) 2 4,927 Rs. 715	(18) 221 91,743 Rs. 21,853	(19) 4,027 4,546,738 Rs. 1,72,141	(20) 5,889 10,865,305 Rs. 4,23,159	4	532	36	152	1	3
17 Pudukkottai ..	(a) 608 (b) 394,059 (c) Rs. 35,061 (d) 36	(13) 5 14,865 Rs. 2,535	(14) 5 14,865 Rs. 2,535	(15) 5 14,865 Rs. 2,535	(16) 5 14,865 Rs. 2,535	(17) 5 14,865 Rs. 2,535	(18) 921 6,4228 Rs. 1,25,116	(19) 2 2,825 Rs. 269	(20) 1,861 1,740,535 Rs. 2,24,565	1	2,807	..	..	..	..
18 Ramachandrapuram.	(a) 209,417 (b) 19,141,116 (c) Rs. 1,10,235 (d) 25	(13) 9,728 2,216 Rs. 2,216	(14) 9,728 2,216 Rs. 2,216	(15) 9,728 2,216 Rs. 2,216	(16) 9,728 2,216 Rs. 2,216	(17) 9,728 2,216 Rs. 2,216	(18) 9,728 2,216 Rs. 2,216	(19) 9,728 2,216 Rs. 2,216	(20) 9,728 2,216 Rs. 2,216	..	1,397	18	79	1	5
19 Panamaramathy ..	(a) 328 (b) 199,510 (c) Rs. 16,488 (d) 32	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	2	1,840	32	160	1	3
20 Karaikal Ceramics, Karaikal (sanc. under section 28).	(a) 100 (b) 21,738 (c) Rs. 2,602 (d) 11	(13) 5 2,879 Rs. 850	(14) 5 2,879 Rs. 850	(15) 5 2,879 Rs. 850	(16) 5 2,879 Rs. 850	(17) 5 2,879 Rs. 850	(18) 140 59,998 Rs. 38,200	(19) 2 1,118 Rs. 832	(20) 280 108,418 Rs. 55,319	..	351	..	..	..	..

NOTE.—(a) Connected load in K.W.

(b) Consumption.

(c) Revenue in rupees.

(d) Number of consumers.

All the figures are as furnished by the licensees.

Includes note licensee (see above)

Statistical data for the administration report for the year ending 31st March 1956 (Company licensees)—cont.

Rural electrification—cont.

Serial number and name of the licensee.	Number of rural industries and total horse-power.			Expenditure on rural electrification.										Length of lines in miles.		Number of distribution transformers.		Population of area of supply.						
	Connected during the year 1955-56.			1955-56.										1954-55.		1953-54.			1952-53.		1951-52.		1950-51.	
	As on 31st March 1956.	Number.	Horse-power.	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)		(41)					
1 Calicut	30	2,507	4	86	80,438	7,373	42,412	..	54,308	..	..	..	32	82	4	40	275,000							
2 Cannanore-Tellicherry	..	..	..	..	99,000	20,000	80,000	13,800	47,840	20,000	..	..	35	79	2	36	150,000							
3 Devakottai	3	50	..	..	2,255	12,000	..	550	364	80,000	..	..	5	29	1	8	30,000							
4 East Tanjore	762	9,408	41	370	3,06,940	3,45,225	3,61,797	3,45,122	3,02,381	4,46,033	..	..	353	406	10	222	2,041,891							
5 Kannadukathan	41	665	3	43	Not available.	8,531	25,184	4,170	21,988	11,519	..	..	45	53	1	23	53,086							
6 Kumbakonam	240	3,417	19	263	4,45,493	3,07,922	3,37,408	2,31,625	2,21,243	1,13,347	..	..	141	249	16	103	500,000							
7 Karaikudi	7	117	..	..	..	..	..	..	..	..	..	..	19	37	..	18	42,000							
8 Mangalore	..	..	..	..	..	..	..	..	..	..	..	..	12	46	2	17	117,095							
9 Nagapattinam	59	936	2	68	39,443	61,989	33,504	57,204	44,128	68,326	..	..	41	111	2	32	132,000							
10 Nattarasankottai	..	..	..	..	..	..	..	..	..	..	..	..	5	21	NH.	4	10,931							
11 Salem-Erode	206	1,500	10	20	3,50,000	Figures not available.	..	..	..	..	..	..	33	190	17	67	311,654							
12 South Arcot	199	3,483	17	184	3,50,000	3,00,000	5,20,000	3,26,000	4,00,000	2,45,000	..	..	161	438	10	144	700,000							
13 Tiruchirappalli-Srirangam	915	9,404	105	692	6,14,370	5,17,597	5,41,406	6,76,121	8,90,987	3,83,191	..	..	384	440	13	231	2,284,851							
14 Tirunelveli-Tuticorin	5	39	..	..	75,669	6,485	22,244	50,866	..	..	..	..	60	109	3	45	280,000							

15 Vellore	123	2,040	34	146	4,44,020	93,291	20,645	54,068	80,467	16,000	44	154	12	47	277,014
16 Pudukkottai State ..	36	584	4	59	11,010	8,511	13,032	60,281	1,03,604	1,47,738	66	17	..	10	(Included in Tiruchirappalli-Srirangam Electric Licence)
17 Pudukkottai	..	..	..	NH.	..	..	NH.	..	NH.	..	9	45	NH.	9	45,000
18 Ramachandrapuram ..	26	430	2	4	6,000	26,000	6,007	8,413	22,500	7,045	24	31	NH.	17	36,000
19 Ponnammavathy	32	434	3	24	20,000	20,000	7,519	17,000	12,000	14,000	42	47	..	25	33,000
20 Kanara Ceramics, Kasarcot (sanctioned under section 28).	NH.	..	..	NH.	..	..	NH.	..	NH.	..	NH.	7	NH.	1	30,000

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 licensees.

APPENDIX F-4.

Statistical data for the administration report for the year ending 31st March 1956 (Local authorities).

Total connected load in K.W. with consumption, revenue and number of consumers at the end of 1955-56.													
Serial number and name of the licensee.	(1)	Number of units generated.	(3)	Number of units sold.	Maximum demand in K.W.	Industrial.							
						Municipal.	Textiles.	Cement work.	Mines.	Tea estates.	Chemicals.	Steel rolling mills.	Small industries.
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1 Coimbatore	..	Nil.	1,752,319	9,885,270	3,630	(a) 440 (b) 131,147 (c) Rs. 13,079 (d) 111	114 669,358 Rs. 32,339 13	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	.. .. .. ..	2,923 1,297,427 Rs. 75,700 441
2 Karur	..	Nil.	1,976,389	1,730,712	430	(a) 72 (b) 258,353 (c) Rs. 24,012 (d) 28	.. Nil.	.. Nil.	.. Nil.	.. Nil.	.. Nil.	.. Nil.	489 770,883 Rs. 38,757 52
3 Madurai	..	Nil.	195,81,713	16,365,437	4,920	(a) 1,354 (b) 2,808,395 (c) Rs. 2,12,751 (d) 236	471 800,998 Rs. 38,251 5	.. Nil.	.. Nil.	.. Nil.	.. Nil.	.. Nil.	2,384 3,677,339 Rs. 96,801 437
4 Pollachi	..	Nil.	2,943,850	2,573,885	705	(a) 83 (b) 158,685 (c) Rs. 22,883 (d) 29	.. Nil.	.. Nil.	.. Nil.	.. Nil.	.. Nil.	.. Nil.	1,270 1,589,661 Rs. 99,134 79
5 Tanjore	..	Nil.	4,832,445	3,594,654	1,000	(a) 171 (b) 756,014 (c) Rs. 62,457 (d) 2	.. Nil.	15 4,316 Rs. 368 1	.. Nil.	.. Nil.	.. Nil.	.. Nil.	1,143 1,166,865 Rs. 72,559 104

APPENDICES

Serial number and name of the licensee.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1 Coimbatore	..	(a) 53 (b) 243,460 (c) Rs. 12,503 (d) 2	(15) 266 143,465 Rs. 22,429 112	(16) ..	(17) 671 847,376 Rs. 46,656 138	(18) 6,992 4,197,855 Rs. 770,846 11,507	(19) 31 2,361,182 Rs. 291,913 360	(20) 11,500 98,86,270 Rs. 12,73,965 12,779	(21) 1	(22) 12,778	(23) 138	(24) 899	(25) 5 23
2 Karur	..	(a) 15 (b) 42,372 (c) Rs. 3,981 (d) 2	(15) 12 17,603 Rs. 2,956 15	(16) NIL	(17) 5,655 Rs. 275	(18) 1,187 586,212 Rs. 134,401 2,271	(19) 60 4,634 Rs. 3,419 19	(20) 1,846 1,730,712 Rs. 207,801 2,390	(21) NIL	(22) 2,390	(23) NIL	(24) NIL	(25) NIL
3 Madurai	..	(a) 219 (b) 658,958 (c) Rs. 27,552 (d) 3	(15) 264 562,448 Rs. 51,868 59	(16) NIL	(17) 110 69,571 Rs. 5,372 33	(18) 9,970 6,575,205 Rs. 1,246,879 19,095	(19) 1,127 1,651,473 Rs. 64,992 10	(20) 16,405 16,865,437 Rs. 1,844,056 19,788	(21) 18	(22) 19,770	(23) 33	(24) 155	(25) 1 5
4 Pollachi	..	(a) 23 (b) 41,362 (c) Rs. 5,003 (d) 4	(15) 90 19,671 Rs. 4,232 23	(16) NIL	(17) 147 110,544 Rs. 7,277 37	(18) 913 653,492 Rs. 264,377 2,153	(19) NIL	(20) 2,453 2,573,255 Rs. 302,911 2,324	(21) NIL	(22) 2,324	(23) 37	(24) 133	(25) NIL
5 Tanjore	..	(a) 61 (b) 218,518 (c) Rs. 11,545 (d) 1	(15) 74 220,490 Rs. 22,023 49	(16) NIL	(17) 84 55,120 Rs. 3,921 14	(18) 1,492 1,084,328 Rs. 319,021 4,520	(19) 40 89,503 Rs. 7,739 4	(20) 3,085 3,504,654 Rs. 499,717 4,700	(21) 1	(22) 4,093	(23) ..	(24) ..	(25) NIL

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.

APPENDICES

APPENDIX F-4—cont.

Statistical data for the administration report for the year ending 31st March 1956 (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.			
As on 31st March 1956.		Connected during the year 1955-56.	High-tension.	Low-tension.	Erected during 1955-56.	Total at the end of 1955-56.	1955-56, 1954-55, 1953-54, 1952-53, 1951-52, 1950-51.			
Number.	Horse-power.						(35)	(36)	(37)	(38)
(27)	(28)	(29)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)
1 Coimbatore	..	..	17	93	6	40	..	..	..	..
2 Karur	..	NIL	3	25	1	7	..	..	..	..
3 Madurai	..	NIL	4	25	4	45	..	..	..	..
4 Pollachi	..	NIL	4	25	NIL	11	..	..	..	..
5 Tanjore	..	..	9	65	1	16	..	..	..	..

Population of area of supply.		Total at the end of 1955-56.		Total at the end of 1955-56.		Total at the end of 1955-56.		Total at the end of 1955-56.		Total at the end of 1955-56.	
(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)
185,000	42,138	361,781	41,850	100,680	..	..	..	..	..	..	..

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

APPENDICES

APPENDIX F-5.

Classification of units sold by Electric Licensees (Companies) for the year 1955-56.

Serial number and name of licensee.		Industrial.		Agricultural.		Domestic.		Commercial.		Public lighting.		Traction.		Bulk supplies.		Miscellaneous.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1 Calicut .. Tellicherry	7,102,950	2,527,190	454,872	448,866	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Cannanore-Tellicherry	3,402,877	2,264,443	48,442	218,644	13,367	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Devakottai ..	18,364	2,264,443	110,811	113,644	1,548,054	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Kattankulathur ..	5,817,368	2,198,814	2,082,409	815,503	341,243	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Kumbakonam ..	3,412,29	2,70,179	213,887	138,280	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Kumbakonam ..	3,047,527	80,832	2,95,613	530,886	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Karaikal ..	341,634	3,830	511,109	185,034	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Karaikal ..	1,194,090	3,830	24,530	267,196	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Karaikal ..	2,887,409	10,662	231,854	211,714	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10 Karaikal ..	158,452	4,508	10,936	51,001	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11 Karaikal ..	16,842,066	4,508	547,077	763,603	343,052	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12 Karaikal ..	4,184,459	11,136,557	2,267,615	426,823	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13 Karaikal ..	10,489,063	3,331,338	2,050,700	1,740,840	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14 Karaikal ..	12,189,567	1,120,525	1,610,432	819,075	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15 Karaikal ..	2,940,009	1,120,525	2,483,535	610,837	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16 Karaikal ..	495,194	93,071	58,334	28,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Karaikal ..	394,059	2,927	29,141	185,257	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18 Karaikal ..	209,917	16,953	197,854	60,317	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19 Karaikal ..	1,317,660	83,989	197,117	87,867	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20 Karaikal ..	21,738	..	69,281	16,321	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

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

* (Includes bulk supply to distributing licensees 4,541,392.)

APPENDICES

APPENDIX F-6.

Classification of units sold by Electric Licensees (Local authorities).

Serial number and name of licensee.		Industrial.		Agricultural.		Domestic.		Commercial.		Public lighting.		Traction.		Bulk supplies.		Miscellaneous.		Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1 Coimbatore	1,966,785	8,41,376	4,197,856	1,874,179	974,304	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2 Karur	770,883	6,655	331,001	447,646	125,293	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3 Madurai	3,677,889	69,571	3,608,143	3,858,578	1,742,971	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4 Pollachi	1,011,986	110,544	257,356	416,419	137,100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Tanjore	1,106,365	55,120	730,458	333,870	381,787	..	..	..	..	..	..	..	..	..	..	..	..	..	..

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

APPENDIX F-7.

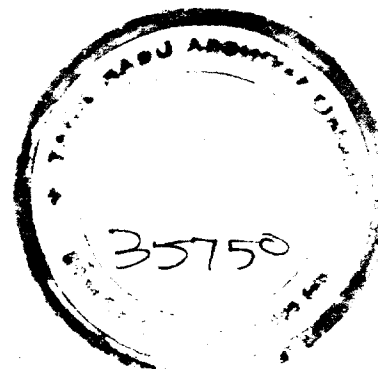
Statement showing total number of units sold under various categories classified as urban, rural and total with connected load particulars.

Serial number and name of the licensee.	(1)	Total number of units sold with connected load at the end of 1955-56.									
		Municipal.					Industrial.				
		Urban.		Rural.		(2)	Textiles.		Cement works.		(3)
		(a)	(b)	(a)	(b)		Urban.	Rural.	Urban.	Rural.	
I. Company undertakings.											
1 Calicut	(a)	452,555	185,064	..	..	(a)	1,440,393	..	..	..	(a)
	(b)	129	120	..	..	(b)	816	..	..	..	(b)
2 Cannanore-Tellicherry.	(a)	185,190	..	..	..	(a)	2,065,082	..	..	..	(a)
	(b)	68	..	..	..	(b)	1,253	..	..	..	(b)
3 Oerakottal	(a)	130,647	..	..	..	(a)	..	..	..	..	(a)
	(b)	64	..	..	..	(b)	..	..	..	..	(b)
4 East Tanjore	(a)	306,598	..	..	..	(a)	..	..	..	..	(a)
	(b)	105	..	..	..	(b)	..	..	..	..	(b)
5 Kanadukathan	(a)	..	..	..	..	(a)	..	..	..	..	(a)
	(b)	..	..	..	..	(b)	..	..	..	..	(b)
6 Kumbakonam	(a)	227,029	..	..	..	(a)	..	..	..	..	(a)
	(b)	53	..	..	..	(b)	..	..	..	..	(b)
7 Karalkudi	(a)	214,317	..	..	..	(a)	..	..	..	..	(a)
	(b)	77	..	..	..	(b)	..	..	..	..	(b)
8 Mangalore	(a)	293,320	..	..	..	(a)	..	..	..	..	(a)
	(b)	116	..	..	..	(b)	..	..	..	..	(b)
9 Nagapattinam	(a)	7,064	..	..	..	(a)	..	..	..	..	(a)
	(b)	13	..	..	..	(b)	..	..	..	..	(b)
10 Nattarasankottal ..	(a)	..	..	..	..	(a)	..	..	..	..	(a)
	(b)	..	..	..	..	(b)	..	..	..	..	(b)
11 Salem-Erode	(a)	517,210	126,856	..	..	(a)	5,859,026	1,527,004	..	..	(a)
	(b)	153	44	..	..	(b)	2,339	657	..	..	(b)
12 South Arcot	(a)	899,812	..	..	..	(a)	234,256	..	..	..	(a)
	(b)	100	..	..	..	(b)	93	..	..	..	(b)
13 Tiruchirappalli - Srirangam.	(a)	1,286,783	..	..	..	(a)	..	1,772,420	30,054,243	..	(a)
	(b)	318	..	..	..	(b)	..	760	6,126	..	(b)
14 Tiruvelveli-Tuticorin ..	(a)	1,043,062	..	..	..	(a)	8,849,766	..	..	..	(a)
	(b)	331	..	..	..	(b)	8,707	..	..	..	(b)
15 Vellore	(a)	260,199	26,430	..	..	(a)	..	..	..	..	(a)
	(b)	71	10	..	..	(b)	..	..	..	..	(b)
16 Pudukkottal Electric Supply Corporation.	(a)	276,333	..	..	..	(a)	305,380	..	..	..	(a)
	(b)	96	..	..	..	(b)	100	..	..	..	(b)

17 Pudukkottal State ..	(a)	..	..	..	..	(a)	..	..	..	..	(a)
	(b)	..	..	..	..	(b)	..	..	..	..	(b)
18 Ramachandrapuram ..	(a)	..	..	..	..	(a)	..	..	..	..	(a)
	(b)	..	..	..	..	(b)	..	..	..	..	(b)
19 Ponnammavathy ..	(a)	..	..	..	..	(a)	1,118,150	..	..	..	(a)
	(b)	..	..	..	..	(b)	687	..	..	..	(b)
20 Kanara Ceramics ..	(a)	..	..	..	..	(a)	..	..	..	..	(a)
	(b)	..	..	..	..	(b)	..	..	..	..	(b)
Local Authority Licensees.											
1 Coimbatore	(a)	131,147	..	..	..	(a)	609,358	..	..	..	(a)
	(b)	440	..	..	..	(b)	114	..	..	..	(b)
2 Karur	(a)	258,353	..	..	..	(a)	..	..	..	..	(a)
	(b)	72	..	..	..	(b)	..	..	..	..	(b)
3 Madurai	(a)	2,869,895	..	..	..	(a)	800,998	..	..	..	(a)
	(b)	1,354	..	..	..	(b)	471	..	..	..	(b)
4 Pollachi	(a)	158,635	..	..	..	(a)	..	..	..	..	(a)
	(b)	83	..	..	..	(b)	..	..	..	..	(b)
5 Tanjore	(a)	756,014	..	..	..	(a)	..	..	..	..	(a)
	(b)	171	..	..	..	(b)	..	..	..	..	(b)

Note.—(a) Represents the number of units sold.

(b) Represents total connected load.



26. 2. 1955
287

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 1955-56—cont.

Serial number and name of the licensee.		Industrial—cont.				Railways.				Government departments.	
		Chemical.		Steel rolling mill.		Small industries.		Urban.		Rural.	
		Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	(18)	(19)	Urban.	Rural.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
I. Company undertakings—cont.											
1 Calicut ..	(a)	..	..	..	..	3,371,663	2,023,299	122,587	8,454	299,895	..
2 Cannanore-Tellicherry	(b)	..	..	..	..	2,741	1,880	46	2	430	..
3 Devakottai ..	(a)	..	..	..	..	1,157,995	..	89,452	..	75,156	..
4 East Tanjore ..	(b)	..	..	..	..	1,739	..	30	..	20	..
5 Kanadukathan ..	(a)	..	..	..	..	153,278	30,086	..	..	1,257	..
6 Kumbakonam ..	(b)	..	..	..	..	248	33	..	..	2	..
7 Karaikudi ..	(a)	..	..	..	..	1,114,246	4,935,800	175,894	338,161	28,410	12,189
8 Mangalore ..	(b)	..	..	..	..	1,237	5,781	43	113	31	36
9 Nagapattinam ..	(a)	..	..	..	..	..	334,129	..	11,104	..	1,088
10 Nattarasankottai ..	(b)	..	..	..	..	..	500	..	11	..	2
11 Salem-Erode ..	(a)	..	..	..	..	1,274,537	1,772,940	61,337	90,456	34,441	..
12 South Arcot ..	(b)	..	..	..	..	1,152	2,561	19	33	24	..
13 Tiruchirappalli-Srinagar.	(a)	..	..	..	..	298,596	43,088	65,764	..	62,865	..
14 Tirunelveli-Tuticorin ..	(b)	..	..	..	..	308	88	16	..	130	..
15 Vellore ..	(a)	..	..	..	..	1,194,090	..	85,099	..	172,859	..
16 Pudukkottai Electric Supply Corporation.	(b)	..	..	..	..	2,033	..	38	..	364	..
		..	..	..	..	306,163	719,320	86,585	15,256	21,987	506
		..	..	..	..	306	695	29	4	13	1
		..	..	..	..	158,452	..	14,992	..	5,633	..
		..	..	..	..	231	..	12	..	10	..
		..	..	..	..	5,248,938	4,207,978	156,876	30,595	..	..
		..	..	..	..	4,218	2,831	56	15	..	..
		..	..	..	..	3,297,856	4,184,459	636,856	..	139,476	..
		..	..	..	..	1,867	905	151	..	62	..
		..	..	..	..	5,987,233	2,593,632	65,881	197,641	250,251	..
		..	..	..	..	4,702	2,351	63	188	180	..
		..	..	..	..	3,012,668	93,454	143,719	..	..	..
		..	..	..	..	4,990	53	63	..	..	..
		..	..	..	..	958,503	1,903,297	21,673	177,547	106,376	70,573
		..	..	..	..	1,113	1,457	7	55	63	36
		..	..	..	..	394,059	..	14,865	..	81,783	..
		..	..	..	..	603	..	5	..	62	..

17 Pudukkottai State ..	(a)	..	..	..	..	495,194	..	..	4,827	..	354
18 Ramachandrapuram ..	(b)	..	..	..	..	438	..	..	2	..	4
19 Pennamamavathi ..	(a)	..	..	..	..	208,917	..	..	9,728	..	1,376
20 Kanara Ceramics ..	(b)	..	..	..	..	441	..	..	5	..	4
		..	..	..	..	..	..	..	..	1,392	..
		199,510	..	..	..	..	..	..	..	4	..
		325	..	..	..	..	..	2,670	..	6,604	..
		21,738	..	..	..	..	..	5	..	26	..
		1,100	..	..	..	..	..	..	..	..	..
Local Authority Licensees—cont.											
1 Coimbatore ..	(a)	..	..	..	..	..	..	..	..	..	..
2 Karur ..	(b)	1,297,427	..	..	..	..	..	243,400	..	143,465	..
3 Madurai ..	(a)	2,923	..	..	..	..	..	53	..	265	..
4 Pollachi ..	(b)	770,833	..	..	..	..	..	42,372	..	17,603	..
5 Tanjore ..	(a)	489	..	..	..	..	..	15	..	12	..
		3,677,889	..	..	..	..	..	65,953	..	562,443	..
		2,384	..	..	..	..	..	219	..	264	..
		1,589,661	..	..	..	..	..	41,392	..	19,671	..
		1,270	..	..	..	..	..	23	..	17	..
		1,196,345	..	..	..	..	..	218,518	..	220,490	..
		1,143	..	..	..	..	..	61	..	74	..

NOTE.—(a) Represents the numbers 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.

Serial number and name of licensee.	Panchayat boards.				Agricultural.		Domestic lighting.		Miscellaneous.		Total.	
	Urban.		Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)		
Total number of units sold with connected load at the end of 1955-56—cont.												
<i>I. Company undertakings—cont.</i>												
1 Calicut	(a)	7,894	217	..	2,202,229	183,016	..	48,000	8,412,769	2,450,727	..	
2 Cannanore-Tellicherry. (b)	(b)	33,454	272	..	2,147,977	100	..	20	7,102	2,185	..	
3 Devakottai	(a)	..	5,679	1,796	324,433	21,281	..	..	6,962	83,454	..	
4 East Tanjore	(a)	590,998	10,910	173,455	1,935,866	1,671,776	..	13,971	619,430	67,134	..	
5 Kanadukathan	(a)	2,659	..	5,132	2,713	4,388	..	2	1,504	168	..	
6 Kumbakonam	(a)	808,957	24,912	55,920	1,617,018	1,148,543	..	1,576,936	3,577,111	9,278,315	..	
7 Karaikudi	(a)	..	3,195	635	823,691	31,110	..	1,724	12,856	13,356	..	
8 Mangalore	(a)	..	3,305	..	1,523,257	187	..	678,509	4,306	1,302,800	..	
9 Nagapattinam	(a)	464	4,169	6,433	779,996	96,929	..	604	..	3,671,716	..	
10 Nattarasankottai	(a)	51,001	4,508	..	1,67,088	471	..	..	..	6,072	..	
11 Salem-Erode	(a)	34,339	48,540	302,782	3,521,882	1,430,587	..	..	..	4,270	..	
12 South Arcot	(a)	27,011	4,127,365	7,009,192	1,074,376	115,796	..	..	..	1,408,728	..	
13 Tiruchirappalli-Srirangam. (b)	(b)	526,874	4,640	3,831,338	6,679,417	1,135,883	..	..	..	2,324	..	
14 Tirunelveli-Tuticorin	(a)	9,694	73,976	4,576	3,538,707	27,051	..	..	..	3,050,086	..	
15 Vellore	(a)	224,208	108,153	952,672	1,211,368	985,364	..	..	..	5,850	..	
16 Pudukkottai Electric Supply Corporation. (b)	(b)	..	2,928	1,238	664,238	1,299	..	..	..	3,232,756	..	
								17	413,210	1,221	..	
								..	..	883,777	..	
								..	..	1,221	..	
								..	..	1,221	..	
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								..	..	1,221	..	
								..	..	1,221	..	
								..	..	1,221	..	

17 Pudukkottai State	(a)	28,000	..	93,071	..	91,743	..	4,546,188	..	10,861,205	..	..	..	..	..	..	..	..
18 Ramachandrapuram	(a)	50,909	..	16,053	..	190,205	..	2,828	..	490,104	..	..	..	..	..	..	..	..
19 Ponnammavathi	(a)	69,892	33,989	70	..	832	..	2	..	1,315	..	..	..	..	..	..	..	..
20 Kanara Ceramics	(b)	16,321	129	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<i>II. Local Authority Licences—cont.</i>																		
1 Coimbatore	(a)	..	841,376	..	4,197,855	..	..	..	2,361,182	9,855,270	..	..	..	..	..	..	..	..
2 Karur	(a)	..	5,635	..	580,212	..	..	..	49,634	11,500	..	..	..	..	..	..	..	..
3 Madurai	(a)	..	69,571	..	6,575,295	..	..	..	1,651,473	16,865,437	..	..	..	..	..	..	..	..
4 Pollachi	(a)	..	110,544	..	653,462	..	..	..	1,127	10,403	..	..	..	..	..	..	..	..
5 Tanjore	(a)	..	55,120	..	1,084,328	..	..	..	89,503	2,573,885	..	..	..	..	..	..	..	..
.. .. .	(b)	..	84	..	1,492	..	..	..	49	3,594,654	..	..	..	..	..	..	..	..

Note—(a) Represents the number of units sold.
(b) Represents total connected load.

* Includes details regarding supply to Mahalekonee.

APPENDIX G-1.

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

Serial number, name of the consumer and name of the place.	Serial number, name of the consumer and name of the place.
I. Cement.	V. Other Industries—cont.
1 The Associated Cement Works, Madukkarai, Coimbatore.	68 Needle Industries (India), Limited, Ketti (Nilgiris).
II. Textiles.	69 New Era Manufacturing Company, Palghat.
2 Coimbatore Spinning and Weaving Company, Limited, Coimbatore.	70 Kumar Industries, Parli, Palghat.
3 Vasantha Mills, Limited, Singanallur, Coimbatore.	71 Venkatesa Bleaching Factory, Madathukulam.
4 Cambodia Mills, Limited, Coimbatore.	72 Nirmal Glass Works, Olavakode.
5 Rajalakshmi Mills, Limited, Uppilpalayam, Singanallur.	73 Agro Industries, Podanur.
6 Somaasundara Mills, Limited, Coimbatore.	74 The Asbestos Cement Company, Limited, Podanur.
7 Dhanaalakshmi Mills, Limited, Tiruppur.	75 The United Bleachers, Limited, Mettupalayam.
8 Kaleswarar Mills, Limited, Coimbatore.	VI. Municipalities.
9 Banga Vilas Mills, Limited, Peelamedu, Coimbatore.	76 Coimbatore Municipality.
10 Pankaja Mills, Limited, Coimbatore.	77 Pollachi Municipality.
11 Lakshmi Mills, Limited, Coimbatore.	VII. Licences.
12 Sri Ramalinga Chowdambigai Mills, Limited, Tiruppur.	78 West Coast Electric Supply Corporation, Limited, Kozhikode.
13 Coimbatore Cotton Mills, Limited, Singanallur.	79 West Coast Electric Supply Corporation, Limited, Cannanore (Tellicherry).
14 Sarada Mills, Limited, Podanur, Coimbatore.	VIII. Other Governments.
15 Lotus Mills, Limited, Podanur, Coimbatore.	80 Cochin Government—Supply near Chittoor within Madras State (for Chittoor Electrification).
16 Palani Andavar Mills, Limited, Udumalpet.	81 Cochin Government—Supply near Shiekalmudi in Anamalais (for construction purposes for Porugal Kuthu Hydro-Electric Project).
17 Janardhana Mills, Limited, Singanallur.	IX. Government Departments.
18 Sri Palamalai Ranganathar Mills, Limited, Perianaickenpalayam, Coimbatore.	82 Cordite Factory.
19 Venkatesa Mills, Limited, Udumalpet.	83 Central Jail, Coimbatore.
20 Murugan Mills, Limited, Coimbatore.	84 Agricultural College.
21 Saroja Mills, Limited, Singanallur.	85 Forest College.
22 Pioneer Mills, Limited, Coimbatore.	86 Government Sugarcane Breeding Station, Coimbatore.
23 Radhakrishna Mills, Limited, Peelamedu.	87 Sular Aerodrome.
24 Gnanambikai Mills, Limited, Vellakinar.	88 Pykara Dam (III Stage extension).
25 Kamala Mills, Limited, Uppilpalayam.	89 Lower Bhavani Project.
26 Vijayalakshmi Mills, Limited, Coimbatore.	90 Government College of Technology.
27 Buckingham and Carnatic Mills, Limited, Tiruppur.	91 Malampuzha Project.
28 Tirumurthi Mills, Limited, Udumalpet.	92 Walayar Project.
29 Balasubramania Mills, Limited, Singanallur.	93 Government Cotton and Millet Breeding Station.
30 Soundararaja Mills, Limited, Dindigul.	94 Government Silk Filatures, Kollegal.
31 Kothari Textiles, Limited, Singanallur.	95 Amaravathy Project.
32 Asher Textiles, Limited, Tiruppur.	96 Second Point of supply—Agricultural College.
33 Kasthuri Textiles, Limited, Singanallur.	97 Valgai Reservoir Project.
34 Kumaran Mills, Limited, Coimbatore.	98 Periyar Project.
35 Jayalakshmi Mills, Limited, Singanallur.	99 Anamalais Quinine Factory, Chinchona.
36 Vinotha Ginning Factory, Limited, Dindigul.	X. Miscellaneous.
37 Rathna Cotton Ginning Factory, Limited, Dindigul.	100 Dewan Bahadur P.S.G. Rengaswamy Naidu & Sons Estate, Vedapatty, Coimbatore.
38 Karthikeya Mills, Limited, Uppilpalayam, Singanallur.	101 P.S.G. College of Technology.
39 Premier Mills, Limited, Udumalpet.	XI. Tea Estates, Anamalais.
40 Kadri Mills, Limited, Odderpalayam, Singanallur.	102 Vellamalai Estate.
41 Jagannatha Ginning Factory, Coimbatore.	103 Pachamalai Estate.
42 Kannapiran Mills, Limited, Coimbatore.	104 Akkamalai Estate.
43 Bhagyalakshmi Mills, Limited, Pollachi.	105 Kallyar Estate.
44 Devi Weavings, Limited, Odderpalayam, Coimbatore.	106 Monica Estate.
45 Vijayakumar Mills, Limited, Chinnakalayamuthur.	107 Iyerpadi Estate.
46 Ramakrishna Mills, Limited, Coimbatore.	108 Murugally Estate.
47 Jothi Mills, Limited, Perianaickenpalayam.	109 Uralikal Estate.
48 Sivananda Mills, Limited, Saravanampatti Post, Coimbatore.	110 Anamalai Ropeway Company.
49 Varadaraja Textiles, Peelamedu.	111 Injiparai Estate.
50 Rajaratna Mills, Limited, Periakalayam Post, Palani.	112 Stanmore Estate.
51 Chandra Textiles, Peelamedu.	113 Srikrunda Estate.
52 Vijayakumar Ginning Factory, Velankurichi.	114 High Forest Estate.
III. Oil Mills.	115 Naramalai Estate.
53 The Bharat Mills, Limited, Pollachi.	116 Kadalarai Estate.
54 G. Ramaswami & Co., Coimbatore.	117 Sellalparai Estate.
55 The Radhakrishna Oil Mills, Limited, Pollachi.	118 Mount Stuart Estate.
56 Sri Muthiah Mills, Limited, Dindigul.	119 Malikipara Estate.
57 Jaya Oil Mills and Products, Limited, Pollachi.	120 Thatmudi Estate.
IV. Water Works.	121 Sholayar Estate.
58 Ambarampalayam Water Works, Pollachi.	122 Naduvar Estate.
V. Other Industries.	123 Waverly Estate.
59 The General Manufacturing Corporation, Limited, Coimbatore.	124 Velonie Estate.
60 The Brooke Bond (India), Limited, Coimbatore.	XII. Tea Estates, Nilgiris.
61 Argus Engineering Company, Limited, Peelamedu.	125 Bengorm Estate.
62 Textools Company, Limited, Coimbatore.	126 Devarshola Estate.
63 Asher Industries, Limited, Tiruppur.	127 Glendale Estate.
64 National Manure Works, Limited, Udumalpet.	128 Parkside Estate.
65 Praga Industries, Coimbatore.	
66 Ramakrishna Industries, Peelamedu, Coimbatore.	
67 Amer Hind Manufacturers, Limited, Podanur, Coimbatore.	

* Added during the year.

APPENDIX G-1—cont.

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

Serial number, name of the consumer and name of the place.	Serial number, name of the consumer and name of the place.
XII. Tea Estates, Nilgiris—cont.	XII. Tea Estates, Nilgiris—cont.
129 Nonsuch and Ibez Estate.	144 Mayfield Estate.
130 Prospect Estate.	145 Devarshola Estate.
131 Terrace Estate.	146 Grakmore Estate.
132 Kilkotagiri Estate.	147 Kotada Estate.
133 Thuttapallam Estate.	148 Rockwood Estate.
134 Rousdenmalai Estate.	149 Woodbriar Estate.
135 Kilmafart Estate.	150 Chamraj Estate.
136 Dunsandle Estate.	151 Sholur Estate.
137 Iblashola Estate.	152 New Hope Estate.
138 Sussex Group Estates.	153 Seaforth Estate.
139 Sulton Estate.	154 Glenvale Estate.
140 Terramia Estate.	155 Kodanai Estate.
141 Farm Tea Estate.	156 Springdale Estate.
142 Malloor Estate.	157 Woodlands Estate.
143 New Kateri Estate.	

APPENDIX G-2.

*List of H.T. consumers directly served 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.
Textiles.	Railways.
1 The Mettur Industries, Limited, Mettur Dam.	25 The Southern Railways, Tiruchirappalli.
2 The Thirumagal Mills, Limited, Gudiyatham.	26 The Southern Railways, Erode.
3 The Rileswardi Mills, Limited, Gudiyatham.	27 The Southern Railways, Jalarpet.
4 The Karur Mills, Limited, Thanthonipatti, Karur.	28 The Southern Railways, Arkonam.
5 Natesan Spinning and Weaving Mills, Limited, Erode.	Licences.
Mines.	29 The Vellore Electric Supply Corporation, Limited, Vellore.
6 The Neyvelli Mines, Neyvelli P.O., South Arcot District (two points).	30 The Vellore Electric Supply Corporation, Limited, Ranipet.
Oils.	31 The Salem-Erode Electricity Distribution Company, Limited, Salem.
7 The Dhanalakshmi Oil Mills, Bhavanur.	32 The Salem-Erode Electricity Distribution Company, Limited, Erode (1 point).
8 The Tirukkollur Oil Mills, Limited, Tirukkollur.	33 The Salem-Erode Electricity Distribution Company, Limited, Sankar.
9 M/S. P. K. Arthanari Chetty and Sons, Rasipuram.	34 The Salem-Erode Electricity Distribution Company, Limited, Palihpalayam.
Metal.	35 The Salem-Erode Electricity Distribution Company, Limited, Erode R.S.*
10 The Indian Metal and Metallurgical Corporation, Mettur Dam.	36 The Salem-Erode Electricity Distribution Company, Limited, Panamaramthupatti.*
Sugar.	37 South Madras Electricity Supply Corporation, Limited, Tiruchirappalli.
11 The Deccan Sugar and Abkari Company, Limited, Pugalur.	38 South Madras Electric Supply Corporation, Limited, Dalmiapuram.
Water Works.	39 South Madras Electric Supply Corporation, Limited, Vallam.
12 The Erode Water Works, Erode.	40 South Madras Electric Supply Corporation, Limited, Tiruvavur.
13 The Salem Water Works, Mettur Dam (Intake and Booster) (two points).	41 South Madras Electric Supply Corporation, Limited, Mayavaram.
Miscellaneous.	42 South Madras Electric Supply Corporation, Limited, Mayavaram.
14 The Solar Industries and Trades, Limited, Punjallakapuram, Erode.	43 The Nagapattam Electric Supply Corporation, Nagapattinam.
15 The Erode Bleaching and Finishing Co., Erode.	44 The Kumbakonam Electric Supply Corporation, Limited, Kumbakonam.
16 The Salem Magnesite, Limited, Salem.	45 Kumbakonam Electric Supply Corporation, Tanjore (1 point).
17 The Thinnappa Ginning Factory, Karur.*	46 The South Arcot Electricity Distribution Company, Villupuram.
18 The Bethesda Hospital, Ambur.*	47 South Arcot Electricity Distribution Company, Chidambaram.
Government Departments.	48 South Arcot Electricity Distribution Company, Kandamangalam.
19 The Executive Engineer, P.W.D., Mettur Dam.	Municipalities.
20 Superintending Engineer, Pykara Electricity System.	49 The Tanjore Municipality, Tanjore.
21 Superintending Engineer, Madras Electricity System.	50 The Karur Municipality, Karur.
22 The Executive Engineer, Sathanur Reservoir Project.*	Other Governments.
23 The Executive Engineer, Krishnagiri Reservoir Project.*	51 Andhra State (7 points of supply).
Chemicals.	52 The Director of Electricity, Pondicherry.
24 The Mettur Chemical and Industrial Corporation, Limited (2 points).	

* Added during the year.

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.
I. Oil Mills.	IV. Agriculture.
1 T. M. M. Mathalai Nadar and Company, Virudunagar.	34 Agricultural Farms, Limited, Pudukramam.
2 T. M. S. Mathalai Nadar and Sons, Virudunagar.	35 Agricultural Farms, Limited, Inam Veppankulam.
3 Southern Oil Mills, Virudunagar.	
4 K. C. A. S. Durairaj Nadar and Sons, Sivakasi.	V. Chemicals.
5 Orient Product, Tirumangalam.	36 Industrial Chemicals, Thalaisyuthu.
6 M. S. Paramasiva Nadar, Virudunagar.	
7 Sri Nagalinga Vilas Oil and Ginning Industries, Virudunagar.*	VI. Municipality.
II. Textiles.	37 Madurai Municipality.
8 Sree Meenakshi Mills, Limited, Madurai.	VII. Water Works.
9 Pandian Mills, Limited, Madurai.	38 Virudhunagar Water Works, Virudhunagar Municipality, Virudhunagar.
10 Loyal Textile Mills, Limited, Kovilpatti.	
11 Mahalakshmi Textile Mills, Limited, Pasumalai.	VIII. Licensees.
12 Kothandaram Spinning Mills, Madurai.	39 Nattarasankottai Electric Supply Corporation, Limited, Nattarasankottai.
13 Lakshmi Mills Company, Limited, Kovilpatti.	40 Tinnevely-Tuticorin Electric Supply Company, Limited (Tuticorin and second point of supply at Talaisyuthu).
14 Madura Mills Company, Limited (Dundup Yarn Plant), Madurai.	IX. Other Departments.
15 Rajah Mills, Madurai.	41 Manimuthar Project.
16 Harvey Mills, Limited, Ambasamudram.	X. Miscellaneous.
17 Karthikeyan Mills, Limited, Veeravanallur.	42 Fenner Cocks Limited, 'V' Belt Factory, Kochadai, Madurai.*
18 Madura Mills Company, Limited, Virudhunagar.	43 Madura Sugars and Allied Products, Limited Pandiarajapuram P.O. (via Ammayanaickanur).*
19 East India Corporation, Limited, Sattur.	44 Sri Subramaniaswamy Temple, Tiruchendur.*
20 Madura Mills Company, Limited, Kadambur.	45 The T.V.S. Estate at Eravadi, T.V.S. and Sons, Limited.*
21 Virudhunagar Textile Mills, Limited, Virudhunagar.	46 Uganda Cotton Pressing Factory, Rajapalayam.*
22 Gitanjali Mills, Limited, Sankarankoil.	47 Coronation Litho Works, Sivakasi.*
23 Sree Visalakshi Mills, Limited, Villankutti.	
24 Lakshmi Mills Company, Limited, Virudhunagar.	
25 Rajapalayam Mills, Limited, Rajapalayam.	
26 Ramaraju Surgical Cotton Mills, Limited, Rajapalayam.	
27 Shanmugar Mills, Limited, Rajapalayam.	
28 Janakiram Mills, Limited, Rajapalayam.	
29 Chandrasekhara Bharathi Weaving Mills, Rajapalayam.	
30 Jayaram Mills, Limited, Rajapalayam.	
31 The Indian Textile Paper Tube Company, Limited, Virudhunagar.*	
32 Meenakshi Mills, Samayanallur.*	
III. Cement.	
33 India Cements, Limited, Talaisyuthu.	

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.
Textiles.	Other industries and miscellaneous—cont.
1 Buckingham and Carnatic Mills.	27 Gordon Woodroffs Company, Pallavaram.
2 Palar Mills, Walajabad.	28 Government Broadcasting Station, Guindy.
	29 Government Coach Building Factory.
Oil Industries.	30 Government Milk Plant.
3 East Asiatic Company.	31 Government Press, Mint Street.
4 Mysore Vegetable Oil Products, Limited.	32 Hindu Press, Mount Road.
Other industries and miscellaneous.	33 Hindustan Metal Refinery and Rolling Mills.
5 Addison & Co.	34 Hoe & Co.
6 Addisons Paint Factory and Sembiam Saw Mills.	35 Hotel Dasaprakash.*
7 Ajax Products.	36 Hotel Oceanic.*
8 Ananda Vikatan.	37 Indian Metal and Metallurgical Corporation, Tondiarpet.
9 Associated Printers.	38 Indian Express, Mount Road.
10 Ashok Motors.	39 India Pistons, Limited, Perambur.
11 Avadi Military Base.	40 Indian Oxygen and Acetylene Company.
12 A.V.M. Studios.	41 Jeevan Lal.
13 Best and Company Pump Factory.	42 Law College Pumping Station.
14 Best and Company Soap Factory.	43 Lady Willington Nursing Home.
15 B.N.K. Press.	44 Loyola College.
16 Bombay Mutual Buildings.	45 Madras Institute of Technology.
17 Burmah Shell.	46 Madras Race Club.
18 Catholic Centre.	47 Madras Mail Press.
19 Century Flour Mills.	48 Madras Pencil Factory.
20 Christian College, Tambaram.	49 Madras Rubber Factory.
21 Chrome Leather Company.	50 Massey and Company.
22 Civil Aerodrome.	51 Mazda Ice Factory.
23 City Ice Factory.	52 Medical Stores (Government).
24 Corporation of Madras Cold Storage.	53 Metal Box Company, Tondiarpet.
25 Engineering College, Guindy.	54 Narasu Studios, Guindy.
26 Firhaven, Adyar.	55 National Carbon Company, Tiruvottiyur.

* Added during the year.

APPENDIX G-4—cont.

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

Serial number, name of the consumer and name of the place.	Serial number, name of the consumer and name of the place.
Other industries and miscellaneous—cont.	Other industries and miscellaneous—cont.
56 Nazir Hussain Tannery, Sembium.	88 Binay's Engineering Works.*
57 Neptune Studios, Guindy.	89 Carbarandum Universal, Tiruvottiyur.*
58 Pioneer Cycle.	90 Film Centre, Kodambakkam.*
59 Poondi Irrigation and Research Divisions, Tiruvallur.	91 Ganges Printing Ink Factory.*
60 Port Trust, Madras.	92 Madras Club, Mount Road.*
61 Printers India, Limited, Tiruvottiyur.	93 Military Engineering Works, St. Thomas Mount.*
62 Radio and Electricals, Tiruvottiyur.	94 Shivamala Studios.*
63 Revathi Studios, Kodambakkam.	95 Wheel and Rim Factory.*
64 Richardson and Cruddas, Royapuram.	
65 R.N.A.S., Tanbaram.	Water Works.
66 Shaw Wallace Glue Factory.	96 Corporation of Madras—Kilpauk Pumping Station.
67 Shaw Wallace Fertilizers, Avadi.	97 Military Pumping Station, Anakaputhur.
68 St. Joseph's Industrial, Basin Bridge.	98 Korukkupet Pump House.*
69 South India Battery Manufacturing Company, Saidapet.	Traction.
70 South India Metal Rolling Mills.	99 Southern Railways, Egmore.
71 South India Carbonic Gas Company.	Railways.
72 South Indian Royal Ice Factory, Egmore.	100 Integral Coach Factory, Perambur.
73 Simpson & Co., Mount Road.	101 Southern Railway, Central Station (Alternate supply).
74 Spencer & Co., Mount Road.	102 Southern Railway, Beach.
75 Sri Rama Rolling Mills.	103 Southern Railway, Marshalling Yard.*
76 Standard Motors, Vandalur.	104 Ennore Railway-Pumping Station.*
77 Stoneware Pipes, Tiruvallur.	Street Lighting.
78 Sundaram Motors, Mount Road.	105 Corporation of Madras—Street Lighting.
79 T.L. Cycles (India).	
80 Theosophical Society.	
81 Vaithi Studios.	
82 Vummidiars, Limited.	
83 Winco Match Factory.	
84 Wireless Station, Fort St. George.	
85 Woodscrew Factory, Pulai.	
86 A. C. College, Guindy.*	
87 Barani Studios.*	

APPENDIX G-5.

List of textile mills and other H.T. consumers, their connected load and maximum demand as at the end of 1955-56 in electric licensees' areas.

Serial number and names of electric licensees.	Textile mills.	Other H.T. consumers.	Connected load.	Maximum demand.
(1)	(2)	(3)	(4)	(5)
1 Calicut ..	(1) Malabar Spinning and Weaving Mills, Limited, Kallai.	...	816	140
		(1) K. C. Saw Mills, Kozhikode.	16	66
		(2) Calicut Water Works ..	120	84
		(3) Hydrogenation Factory, Kozhikode.	209	91
		(4) Ferrote Tile Works, Perok.	474	228
		(5) Calicut Tile Co., Kozhikode.	292	136
		(6) Standard Tile and Clay Works.	450	203
2 Cannanore-Tellicherry.	(1) Western India Cottons, Limited, Cannanore.	Western India Plywoods, Limited, Cannanore.	1,687	720
	(2) Cannanore Spinning and Weaving Mills, Limited, Cannanore.	Mahe licensee ..	48	..
3 Coimbatore ..	....	Coimbatore Railway Station.	50 K.W.	50 K.W.
4 East Tanjore ..	....	(1) Karaikal Electric Supply Corporation, Limited, Tiruchirappalli.	83	343
		(2) Karaikal Electric Supply Corporation, Limited, Tiruchirappalli.	36	36
		(3) Executive Officer, Arantangi Panchayat Board.	8	1
		(4) District Electrical Engineer, Southern Railway, Golden Rock.	43	44
		(5) Thiru Arcooran Sugar Mills, Vadapathimangalam.	700	1,017

* Added during the year.

APPENDIX G-5—cont.

List of textile mills and other H.T. consumers, their connected load and maximum demand as at the end of 1955-56 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)
5 Karaikudi.	....	The Central Electro-Chemical Research Institute, Karaikudi.	125 K.W.	53 K.V.A.
6 Nagapattinam Electric Supply Company, Ltd.	....	The Indian Steel Rolling Mills, Nagapattinam.	2,467 K.W.	1,200
7 Ponnammara-vathi Electric Supply Corporation, Ltd.	Pudukkotta Textiles, Ltd., Namamudram.	Brahmavidyanibal Electric Supply Corporation, Limited, Ramachandrapuram.	687 K.W. 1,362	295 K.W. 285
8 The Pudukkottah Electric Supply Corporation, Ltd.	(1) Sri Mahaganapathi Spinning Mills, Ltd., Pudukkottai.	....	90 H.P.	143 K.V.A.
9 Pudukkottai State Electric Licence.	(1) Sri Meenakshi Mills, Ltd., Usilampatti. (2) Cauvery Spinning and Weaving Mills, Ltd., Vallaur.	.... ....	699 372	650 460
		(1) Pudukkottai Electric Supply Corporation, Ltd., Pudukkottai. (2) Ponnammara-vathi Electric Supply Corporation, Ltd., Ponnammara-vathi.	1,098 2,239	630 805
10 Salem-Erode Electricity Distribution Company, Ltd., Salem.	(1) Sri Rajendra Mills, Salem. (2) Jawahar Mills, Ltd., Salem. (3) Pullicar Mills, Ltd., Tiruchengode.	.... .... ....	1,029 K.W. 1,290 658	710 760 315
		(1) The National Starch Industries, Ltd., Salem. (2) Narayanan Chettiar Industries, Salem. (3) The Magnesite Syndicate Ltd., Salem. (4) The Modern Theatres, Ltd., Salem. (5) Lokashanmugaperumal Ginning and Oil Mills, Ltd., Salem. (6) V.M.P. Metals and Alloys, Ltd., Salem. (7) Southern Railway, Salem Junction.	127 52 150 189 175 50 48	52 53 165 55 130
11 South Arcot Electricity Distribution Co., Ltd., Madras.	(1) National Sewing Thread Co., Chidambaram.	....	108	108
		(1) Annamalai University, No 1. (2) Annamalai University, No. 2. (3) East India Distilleries and Sugar Factories, Ltd., Nellikuppam. (4) Ralli (India) Ltd., Cuddalore. (5) Louis Dryfus Company, Tindivanam.	459 697 190 90 53	104 75 190 90 53
12 Tanjore ..	....	....	..	..
13 Tinnevely-Tuticorin Electric Supply Co., Ltd., Tuticorin.	(1) Madurai Mills Ltd., Tuticorin. (2) Tuticorin Spinning and Weaving Mills, Ltd., Tuticorin. (3) Sankar Mills .. (4) Ganapathi Mills ..	.... .... .... ....	2,679 480 158 390	1,770 376 63 231
		(1) Vallanad Water-works .. (2) Tuticorin Salt Refineries.	62 170	49 114

APPENDIX G-5—cont.

List of textile mills and other H.T. consumers, their connected load and maximum demand as at the end of 1955-56 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)
14 Tiruchi-Srirangam Electric Licence.	Tiruchinopoly Mills, Ltd.	....	760	300
		(1) Dalmia Cement Co., Ltd., Dalmiapuram. (2) Dalmia Cement Co., Ltd., Dalmiapuram. (3) All-India Radio, Tiruchirappalli. (4) Hindustan Vanaspathy Manufacturing Company, Ltd., Edamalai-pattiputhur.	6,086 40 50 491	4,350 49 31 313
15 Kumbakonam	....	....	..	..
16 Karur ..	....	....	..	..
17 Pollachi ..	....	....	..	..
18 Ramachandrapuram.	....	....	..	..
19 Kanara Ceramics.	....	....	..	..
20 Nattarasankottai.	....	....	..	..
21 Mangalore ..	....	....	..	..
22 Devakottai.	....	....	..	..
23 Vellore Electric Corporation, Ltd.	....	(1) Christian Medical College Hospital, Vellore. (2) Christian Medical College, Thorapady. (3) Schiefelin Leprosy Research Sanatorium, Karigeri. (4) East India Distilleries and Sugar Factories Ltd., Ranipet.	300 K.W. 155 8 613	150 K.W. 49 7 425
24 Kanadukathan	....	The South Madras Electric Supply Corporation, Ltd., Tiruchirappalli.	250 K.W.	102.5 K.V.A.
25 Madura ..	(1) Saroja Weaving Mills, Madurai. (2) Kothandaram Weaving Mills, Madurai. (3) Balakrishna Mills, Madurai. (4) Madura Knitting Company, Madurai. (5) Mohanram Company, Madurai.	.. .. .. .. ..	63 77 118 139 74	.. 82 77 74 62
		(1) American Mission Hospital, Madurai. (2) Chintamani Talkies, Madurai. (3) Southern Railway .. (4) Government Erskine Hospital. (5) Central Cinema .. (6) Kochadai Water Works. (7) Sri Meenakshi Kail Devasthanam. (8) T.V.S. & Sons .. (9) Kochadai Mill Bungalow. (10) New Rice Mill .. (11) R. M. S. S. Sundaram Pillai Rice Mill. (12) Pandian Insurance Company. (13) Dinamani, Newspaper.	57 57 216 59 76 255 57 395 72 86 56 126 140	.. 33 157 .. 182 .. 210 .. 45 66 60

NOTE.—The particulars are as furnished by the licensees.

APPENDIX H-1.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56.

PYKARA ELECTRICITY SYSTEM.

COIMBATORE DISTRICT.
Aranashi taluk.

- 1 Agraharapudur.
- 2 Akampalayam (60).
- 3 Alangattupuram.
- 4 Alagappagoundenpudur (38).
- 5 Ananthagiri (53).
- 6 Angripalayam.
- 7 Andipalayam.
- 8 Annur * (50).
- 9 Avanasli * (71, 72).
- 10 Avanashipalayam (73).
- 11 Avanasilingampalayam (73).
- 12 Belladi (27).
- 13 Chickadasampalayam (4).
- 14 Chikkampalayam (47).
- 15 Chockampalayam (50).
- 16 Dasampalayam (51).
- 17 Ellapalayam (64).
- 18 Giddepalayam (23).
- 19 Kallar (2).
- 20 Kalingarayampalayam
- 21 Kalathiyur.
- 22 Karavalur (53).
- 23 Karamadai (55, 26).
- 24 Kadathur (61).
- 25 Kanur (34).
- 26 Kanivampundi (78).
- 27 Kanivampalayam (64).
- 28 Kavundampalayam (13).
- 29 Karuppanampalayam.
- 30 Kannarpalayam (47).
- 31 Kurumbapalayam (27).
- 32 Kannampalayam.
- 33 Kasigoundenpudur (76).
- 34 Kattampatti (61).
- 35 Kempaiaickenpalayam (49).
- 36 Komarpalayam (4).
- 37 Krishnagoundenpudur (61).
- 38 Krishnapuram (52).
- 39 Kuppipalayam (60).
- 40 Maddampalayam.
- 41 Madathupalayam (71, 72).
- 42 Mangalakuripudur (25).
- 43 Masagoundenchettipalayam (63).
- 44 Mathampalayam.
- 45 Murudar (53).
- 46 Maranagoundenpudur (25).
- 47 Mettupalayam * (3).
- 48 Nariampalli (52).
- 49 Nambampalayam (60).
- 50 Nallithorai.
- 51 Odenthorai (2).
- 52 Orakkadipalayam.
- 53 Onnipalayam.
- 54 Perumanallur.
- 55 Ponnagoundenpudur (63).
- 56 Pumar.
- 57 Palankarai (73).
- 58 Puzalur (25).
- 59 Pillaiappanpalayam.
- 60 Puthur (35).
- 61 Rakkipalayam (77).
- 62 Ranganathapuram.
- 63 Ramanathapuram (52).
- 64 Semmandampalayam (56).
- 65 Sombianallur (70).
- 66 Samanaickenpalayam.
- 67 Thelungupalayam (65).
- 68 Thirumuruganpud (77).
- 69 Thekkampatti (25).
- 70 Thonampalayam (46).
- 71 Thatthampalayam (48).
- 72 Thottakalampudur (52).
- 73 Virugapalayam.
- 74 Vannipalayam.
- 75 Veerapandi.
- 76 Velayudampalayam (76).
- 77 Allikulam (50).
- 78 Bodithampalayam (60).
- 79 Chinur palayam (57).
- 80 Devarayapuram (77).
- 81 Kondayampalayam (19).
- 82 Kurukkampalayam (57).
- 83 Mullapadi.
- 84 Royarpalayam (69).
- 85 Samanthankottai (75).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

COIMBATORE DISTRICT—cont.

Coimbatore taluk—cont.

- 161 Devinaickenpalayam (7).
- 162 Devarayapuram (41).
- 163 Dombilipalayam (60).
- 164 Edayapalayam (52).
- 165 Eachaneri (58).
- 166 Ettimadai (67).
- 167 Edayarpalayam.
- 168 Ganapathy (29).
- 169 Govindanaickenpalayam (19).
- 170 Gudalur (7).
- 171 Idigarai (10).
- 172 Jengamaickenpalayam (14).
- 173 Kalapatti (21).
- 174 Kallimadai (40).
- 175 Kandungoundansalai (74).
- 176 Keeranatham (12).
- 177 Kondayampalayam (8).
- 178 Krishnarayapuram (31).
- 179 Kuniamuthur * (57).
- 180 Kurichi * (58).
- 181 Kuradampalayam (14).
- 182 Kurumbanur (43).
- 183 Kumarapalayam (45).
- 184 Kuppunur (56).
- 185 Kalkanaickenpalayam (41).
- 186 Kuppakonampudur.
- 187 Karumathampatti.
- 188 Kurumbapalayam (65).
- 189 Kaikolapalayam (15).
- 190 Karadayampalayam.
- 191 Kallipalayam (13).
- 192 Machapalayam (58).
- 193 Madukkarai (35).
- 194 Maniakarapalayam (29).
- 195 Machampalayam.
- 196 Makmachampatti (64).
- 197 Mettupalayam (20).
- 198 Narasimhanaickenpalayam (11).
- 199 Nanjundapuram (47).
- 200 Neelikonampalayam (40).
- 201 Naduppapalayam.
- 202 Naickenpalayam (1, 51).
- 203 Ondiputhur.
- 204 Onnipalayam (1).
- 205 Palathorai (69).
- 206 Pappanaickenpalayam (38).
- 207 Pannimadai (19).
- 208 Perianaickenpalayam (5).
- 209 Perur (54).
- 210 Perurchettipalayam (51).
- 211 Podanur (58).
- 212 Pudupalayam (10).
- 213 Pudur (38).
- 214 Peelamedu * (32).
- 215 Pulliakulam (39).
- 216 Pachapalayam (54).
- 217 Pallapalayam.
- 218 Pattanam.
- 219 Perlapudur (30).
- 220 Pullangulam.
- 221 Parameswaranpalayam (44).
- 222 Ramanathapuram (39).
- 223 Ramachettipalayam (85).
- 224 R.N. Puram.
- 225 Rangappagoundenpudur.
- 226 Rakkipalayam (10).
- 227 Samakulam.
- 228 Saravanampatti (23).
- 229 Sircarsamakulam (9).
- 230 Souripalayam (39).
- 231 Sengalipalayam (10).
- 232 Sinnavadampatti (25).
- 233 Senganur (29).
- 234 Sidhanaickenpalayam.
- 235 Sengodagoundenpudur.
- 236 Sennipalayam.
- 237 Samichettipalayam.
- 238 Sukkaravarapalayam.
- 239 Siripalayam (68).
- 240 Thettipalayam (61).
- 241 Thondamuthur (50).
- 242 Thudiyalur (20).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

E.A.R.—8

COIMBATORE DISTRICT—cont.

Coimbatore taluk—cont.

- 243 Thattanpudur
- 244 Thirumalayampalayam (74).
- 245 Thoppampatti (14).
- 246 Thenkarai (58, 59).
- 247 Thennamallure (53).
- 248 Udayampalayam (38).
- 249 Upplipalayam (40).
- 250 Vadamathurai (14).
- 251 Vellankurichi (24).
- 252 Vellalore (52).
- 253 Vellaikinar (22).
- 254 Vellamadai (3).
- 255 Veerapandi (2).
- 256 Venkitapuram (38).
- 257 Veerakeralam (37).
- 258 Virampalayam (8).
- 259 Vadavalli (30).
- 260 Veerapatti (43).
- 261 Vellanalpatti (15).
- 262 Verampalayam (21).
- 263 West Chitrichavadi (59).
- 264 Appachigoundanpatti (74).
- 265 Balaramanathapuram (24).
- 266 Manjalapalayam (61).
- 267 Semmedu (55).
- 268 Subbanaickenpatti.
- 269 V.N. Palayam.
- 270 Arasipalayam (75).
- 271 Pullagoundanpudur.
- 272 Chikkarayapuram * h/o Kalikkannaickenpalayam.
- 273 Nachipalayam * (72).
- 274 Peddanayakkampalayam * h/o Kallipalayam (13).
- 275 Sommayampalayam * (26).
- 276 Thampakoundanpalayam * (71).
- 277 Vilampalayam.
- 278 Vayampalayam * h/o Kondayampalayam (8).
- 279 Dhinampalayam (41).

Dharapuram taluk.

- 280 Dharapuram (63).
- 281 Dhavalpatnam (79).
- 282 Periyakumarapalayam.
- 283 Akilandapuram * h/o Kangayam (21).
- 284 Ellinagar * h/o Kavandachipalayam (66).
- 285 Kothapalayam * h/o Kuppandampalayam (23).
- 286 Kallipalayam * h/o Navanuri (54).
- 287 Kangayam * (21).
- 288 Navanuri * (54).
- 289 Nattakadayur * (7).
- 290 Pettaikalipalayam * h/o Sodayapalayam (51).
- 291 Palayakottai * (8).
- 292 Pudu hakkarapalayam * h/o Nattakadayur (7).
- 293 Yajamanarpudur * h/o Palayakottai (8).

Erode taluk.

- 294 Chennimalai (151, 152).
- 295 Chengapalli (124).
- 296 Chinnakarapanpalayam (128).
- 297 Irigur (117).
- 298 Kunnathur (60).
- 299 Kavathampalayam (93).
- 300 Mugaipidiyur (120).
- 301 Perundurai (77).
- 302 Reddipalayam (149).
- 303 Sengalipalayam (110).
- 304 Sundakampalayam (95).
- 305 Thiruvankitampalayam (77).
- 306 Thalapatti (95).
- 307 Utukuli (108, 107).
- 308 Virumandampalayam (128).
- 309 Vellankoil.
- 310 Muthampalayam (16).
- 311 Kamoliampatty.
- 312 Nagappagoundenpalayam (9).
- 313 Kumbliampatti (9).
- 314 Nagappagoundenpalayam.
- 315 Vijayamangalam (140).
- 316 Vellarvalli (70).
- 317 Athiyur * h/o Vellampalli (127).

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

COIMBATORE DISTRICT—cont.

Erode taluk—cont.

- 318 Gargusampallampudur*.
- 319 Kattupudur* h/o Karukkampalayam (27).
- 320 Kavundampalayam* h/o Thudupathi (48).
- 321 Melapalayam* h/o Othapalai (150).
- 322 Namarathupalayam* h/o Pudurpalayam (42).
- 323 Palakkurai* h/o Thudupathi (48).
- 324 Pallipalayam* h/o Thudupathi (48).
- 325 Seelampatti* h/o Perundurai Rural (77).
- 326 Srirangagoundenpalayam* h/o Thudupathi (48).
- 327 Saurpalayam* h/o Thudupathi (48).
- 328 Sakkinatham* h/o Thudupathi (48).
- 329 Senniamallampalayam* h/o Thudupathi (48).
- 330 Thudupathi* (48).
- 331 Thoppupalayam* h/o Thudupathi (48).
- 332 Thulakkapalayam* h/o Thudupathi (48).
- 333 Veerachipalayam* (48).

Gobichettipalayam taluk.

- 334 Gobichettipalayam† (55).
- 335 Chittandipalayam.
- 336 Getticheyur (117).
- 337 Kollapal (119).
- 338 Karattupalayam (75).
- 339 Modachur (86).
- 340 Periyur (85).
- 341 Panickampalayam.
- 342 Santhapalayam (117).
- 343 Siruvalur (120).
- 344 Sathyamangalam† (34, 36).
- 345 Rangasamudram (33).
- 346 Kavathapalayam (75).
- 347 Thalguni (118).
- 348 Rajanagar (94).
- 349 Poonjathoryampalayam (49).
- 350 Kondayam Palayam (51).
- 351 Madampalayam (102).
- 352 Arasankuttaipudur* h/o Chinnaripalayam (114).
- 353 Avayarpalayam* h/o Kalugiyam (82).
- 354 Alukkuli* (78).
- 355 Ayalur* (81).
- 356 Basavapalayam* h/o Peerkadavur (24) (Puduppeer-kadavur).
- 357 Bommalapalayam* h/o Ayalur (81).
- 358 Chokkumaripalayam* h/o Chinnaripalayam (114).
- 359 Chettampalayam* h/o Kollappalur (119).
- 360 Chikkarasampalayam* (30).
- 361 Ellapalayam* h/o Vellankoli (121).
- 362 Kathammopanpudur* h/o Siruvalur (120).
- 363 Kallimadapalayam* h/o Kollappalur (119).
- 364 Kallampalayam* h/o Getticheyur (117).
- 365 Kunakkampalayam* (52).
- 366 Kanjanur* h/o Ikkarai-Negamam (31).
- 367 Kudrakkalpalayam* h/o Thalanga (118).
- 368 Karappadi* (140).
- 369 Karattadipalayampudur* h/o Lakkampatti (81).
- 370 Kottapalayam* h/o Karapadi (140).
- 371 Kottuveerampalayam* (38).
- 372 Koolamooopatur* h/o Ayalur (81).
- 373 Kupandampalayam* h/o Siruvalur (120).
- 374 Lakshmiipudur* h/o Santhipalayam (117).
- 375 Mettur* h/o Kollappalur (119).
- 376 Mallipalayam* h/o Ayalur (81).
- 377 Molakavundampalayam* h/o Kollappalur (119).
- 378 Nadukkaveripalayam* h/o Siruvalur (120).
- 379 Nanjaipullampatti* (83).
- 380 Nallagoundenpalayam* h/o Lakkampatti (81).
- 381 Nellampalayam* h/o Getticheyur Santhipalayam (117).
- 382 Namakkalpalayam* h/o Ayalur (81).
- 383 Olappagoundatur* h/o Getticheyur (117).
- 384 Pallipalayam* h/o Santhipalayam (117).
- 385 Poosaripalayam*.
- 386 Pudur* h/o Ikkarai-Negamam (31).
- 387 Pattaravangalam* h/o Puthur Peerkadavur.
- 388 Poosariyur* h/o Kottupallampalayam (77).
- 389 Periakavundatur* h/o Thalguni (118).
- 390 Semmendampalayam* h/o Ayalur (81).
- 391 Ramanaickenur* h/o Siruvalur (120).
- 392 Saurpalayam* h/o Thalguni (118).
- 393 Sengalaraikarai* h/o Lakkampatti (81).
- 394 Thandampalayam* h/o Ikkarainegamam (31).
- 395 Thannirpandal* h/o Ikkarainegamam (31).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

COIMBATORE DISTRICT—cont.

Palladam taluk—cont.

- 476 Thottipalayam (18).
- 477 Uthupalayam.
- 478 Unipalayam (53).
- 479 Vadugapalayam (69).
- 480 Velayampalayam (72).
- 481 Velampalayam (17).
- 482 Ayyampalayam (61).
- 483 Ayyarpalayam (54).
- 484 Andipalayam (25).
- 485 Devarayampalayam (45).
- 486 Kallipalayam (9).
- 487 Kallampalayam.
- 488 Kaniyarpundi.
- 489 Kullagoundenpalayam.
- 490 Manickapuram (62).
- 491 Panickampalli (68).
- 492 Raigoundenpalayam (47).
- 493 Sekkampalayam (48).
- 494 Subbarayapalayam.
- 495 Thekkampalayam (48).
- 496 Appalalayam (7).
- 497 Ittiverampalayam.
- 498 Nasavampalayam.
- 499 Venkatapuram (69, 75).
- 500 Ittiverampalayam (7).
- 501 Appayapalayam.
- 502 Nalavampalayam (69).
- 503 Venkatapuram.
- 504 Thruppur† (121).
- 505 Mayandipalayam (7).
- 506 Anapalayam* h/o Velampalayam (17).
- 507 Chavadiyalayam* h/o Kethanur (83).
- 508 Chinnakulai* h/o Kallapalayam (78).
- 509 Chinnaputhur* h/o Mangalam (24).
- 510 Elamanickenpalayam* h/o Kethanur (83).
- 511 Kethanur* (83).
- 512 Kaduvetipalayam* (10).
- 513 Kethanur-Mathirpalayam* h/o Kethanur (83).
- 514 Krishnapuram* h/o Karumathampatti (22).
- 515 Karumathampattipudur* h/o Karumathampatti (22).
- 516 Mettupalayam* h/o Kethanur (83).
- 517 Muthandipalayam* h/o Karumathampalayam (61).
- 518 Nallagoundenpalayam* h/o Kaduvetipalayam (10).
- 519 Poonandampalayam* h/o Kaniyur (31).
- 520 Pullamarathupalayam* h/o Varapatti (88).
- 521 Paduvampalli* (6).
- 522 Semmandampalayam* (23).
- 523 Sengodipalayam* h/o Kaniyur (31).
- 524 Solipalayam* h/o Velampalayam (17).
- 525 Sirupuluvapatti* h/o Velampalayam (17).
- 526 Thottipalayam* h/o Kethanur (83).
- 527 Velayudhampalayam* h/o Samalapuram (40).

Pollachi taluk.

- 528 Achipatti (56).
- 529 Angalakurichi (138).
- 530 Ambarampalayam (64).
- 531 Akkilandapuram (104).
- 532 Chittoor.
- 533 Erisinampatti.
- 534 Gomanagampudur (102).
- 535 Iyerpadi (139).
- 536 Kallapuram (134).
- 537 Kinathukidavu (11).
- 538 Kollipalayam (30).
- 539 Kattampatti (106).
- 540 Kottur (135).
- 541 Kamatchipuram.
- 542 Kanjampatti (100).
- 543 Lakshmanapuram (115).
- 544 Malickinaickenpatti (59).
- 545 Mallamparai (138).
- 546 Malayandiampattam (90).
- 547 Muthur (17).
- 548 Mullupadi (26).
- 549 Othakkalmanickan.
- 550 Okkipalayam (46).
- 551 Perianagaram (32).
- 552 Ponnapuram (89).
- 553 Pillichinnampalayam (121).
- 554 Pollachigoundenpudur (11).
- 555 Ramanamudalipudur (127).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

COIMBATORE DISTRICT—cont.

Udamalpet taluk—cont.

- 637 Kadathur (87).
638 Kolumam (84).
639 Komaralingam (83).
640 Manupathi (81).
641 Murugapatti (21).
642 Marupatti (62).
643 Muthalaickenpatti (77).
644 Nalampalli.
645 Nanjagoundanpudur (8).
646 Peedampalli (16).
647 Periapatti (6).
648 Perilavaladi (57).
649 Pukkulam (25).
650 Pollalampalayam (20).
651 Ragelbhavi (46).
652 Rangammapalayam (6).
653 Ramachandrapuram (8).
654 Senjivadi.
655 Sundakkampalayam (26).
656 Sadayagoundanpudur (30).
657 Udukampalayam (41).
658 Vanasepatti (24).
659 Virugalthipudur (10).
660 Chinnaveerampatty.
661 Kannamalaickenur (62).
662 Kannampalayam (21).
663 Kodungiyur (54).
664 Koralkuttai (61).
665 Pulankinar (31).
666 Udamalpet (48).
667 Andlagoundanpudur (72).
668 Mathrathi (22).
669 Thungavari (28).
670 Thummalpatti (71).
671 Ponneri (26).
672 Vasavandickenpatty (12).
673 Muthusamudram (18).
674 Vellapanalakanur (18).
675 Valayudhagoundanpudur (12).
676 Gopalapuram.
677 Devanurpudur (52).
678 Pudupalayam (14).
679 Chinnabommanchalai (40).
680 Dinmapatty (42).
681 Reddipalayam (55).
682 Periyapananthu (3).
683 Ammapatti* h/o Somavarapatti (16).
684 Doddampatti* (20).
685 Madathukulam* (63).
686 Modakkupatti* (69).
687 Mettupalayam* h/o Pulavadi (5).
688 Nanjagoundanpatti* h/o Anakkadavu (8).
689 Pulavadi* (5).
690 Rangasamudram* h/o Pulavadi (5).
691 Kavathur* h/o Punganmuthur (10).
692 Ramanathapuram* (64).
693 Sircarpudur* (56).
694 Vallakundapuram* h/o Kodangiam (54).
695 Valayapalayam* (74).
696 Velliampalayam* h/o Kothamangalam (21).

Kollegal taluk.

- 697 Kollegal (21).
698 Mudikondan (21).

MALABAR DISTRICT.

Palghat taluk.

- 699 Ellapulli (54).
700 Kanjikode (35).
701 Paraj (54).
702 Edathara (22).
703 Parli (22).
704 Nilambur.
705 Pudunagaram (99).
706 Peruvamba (70).
707 Koduvayur (94).
708 Kollengode (113).
709 Vadavanoor (108).
710 Pakunni (108).

MALABAR DISTRICT—cont.

Palghat taluk—cont.

- 711 Alampallam (108).
712 Mochikuttam (108).
713 Ootara (108).
714 Kayakkathara.
715 Puyakkathara (108).
716 Alathur (83).
717 Manjaloore (94).
718 Kavaseri (83).
719 Pallarur (108).
720 Pudlangam (83).
721 Kaitucheri (83).
722 Manathukavu (28).
723 Kunniyeri (86).
724 Parakulam (36).
725 Neripetta (86).
726 Thirupalur (83).
727 Periakulam (88).
728 Chembrakuram* h/o Kottaya (39).
729 Chandrasekarapuram* h/o Pareli (22).
730 Chinnangod* h/o Kottayee (39).
731 Ethanur* (91).
732 Kammanthara* h/o Kottaya (39).
733 Karlangod* h/o Kottaya (39).
734 Kizhakkathara* h/o Ethanur (91).
735 Kottaya* (39).
736 Koyyamarakadu* h/o Puduseri (35).
737 Mathur* (41).
738 Pelapulli* h/o Vemanur.
739 Pudupariyaram* (121).
740 Pulioelli* h/o Kottaya (39).
741 Parathupalli* (58).
742 Pullode* (85).
743 Vadugathara* h/o Kottaya (39).
744 Varode* h/o Kottaya (39).
745 Vemmanur*.
746 West Thara* h/o Ethanur (91).
747 Palghat (28)†.

Ernad taluk.

- 748 Muniyur (62).
749 Parappanangadi (55).
750 Tiruvangadi (78).
751 Chungathora* h/o Nilambur (1).
752 Etakkara* h/o Nilambur (1).

Ponnani taluk.

- 753 Tanur.†
754 Tanuragarham.
755 Thirur (17).
756 Tirukandiyur (18).
757 Talakad (30).
758 Tirukkavu.
759 Ponnani (51).
760 Biyyam (53).
761 Edapala (South Ponnani)* (53).
762 Chennara (38).

Wymad taluk.

- 763 Manantoddy (3).
764 Chundale* h/o Vayathiri (27).
765 Kalpetta* (4).
766 Meppadi* (34).
767 Moopanada* h/o Meppadi (34).

British Cochin.

- 768 British Cochin (121).

Kurumbanad taluk.

- 769 Badagara*† (18).

MADURAI DISTRICT.

Dindigul taluk.

- 770 Dindigul (87).
771 Chinnapatti (128).
772 Pittalappatti (102).
773 Sembatti (128).
774 Sevalasaraku.
775 Vakkampatti (103).

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

MADURAI DISTRICT—cont.

Dindigul taluk—cont.

- 776 Alamarathupatti (113).
777 Ayyampalayam (144, 145).
778 Siddhayankottai (124).
779 Begumbur* h/o Dindigul (Town) (87).
780 Chinnappapuram* h/o Kasavanampatti (101).
781 Dharumathampatti* h/o Palaikannivadi (84).
782 Hannumatharayankottai* h/o Sindalangu (95).
783 Kandayanpatti* h/o Paraipatty (100).
784 Kandaswamyapuram* h/o Kasavanampatty (101).
785 Karasalpatty* h/o Palaikannivadi (84).
786 Kippusalpatty* h/o Paraipatty (100).
787 Konur* h/o Kasavanampatty (101).
788 Kullampatty* h/o Adainuthu (104).
789 Kuttatupatty* h/o Kasavanampatty (101).
790 Narasingapuram* (134).
791 Palaniyur* h/o Athur (123).
792 Panjampatty* h/o Athur (123).
793 Pondampatty* h/o Athur (123).
794 Paraipatty* (100).
795 Ramanathapuram* h/o Paraipatty (100).
796 Sindalangu (95).
797 Sivanakkarayanpatti* h/o Palaikannivadi (84).
798 Soudalpatty* h/o Sindalangu (95).
799 Veerakai* (109).
800 Vellampatty* h/o Kasavanampatty (101).
801 Vennampatty* h/o Paraipatty (100).

Kodaikanal taluk.

- 802 Kodaikanal (9 and 10).
803 Shenbaganur (10).
804 Munjikkal Junction (10).
805 Aladipatti* h/o Pannaikkadu (13).
806 Pannaikkadu* (13).
807 Uralpatty* h/o Pannaikkadu (13).

Nilakkottai taluk.

- 808 Ammanalickenur (15).
809 Athur.
810 Ammapattai (99).
811 Battalagundu (17 and 18).
812 Chellampatti.
813 Nilakkottai (10 and 11).
814 Pattiveerampatti (5).
815 Kannamalaickenur.
816 Mayathampatti* h/o Orathathu (16).
817 Sevugampatti* (3).
818 Vadipatti* h/o Sevugampatti (6).

Palni taluk.

- 819 Akkamanalickenpudur (112).
820 Amarapundi (80).
821 Ayakudi† (107 and 108).
822 Chittarevu.
823 Erumanaickenpatti (79).
824 Kothamangalam (98).
825 Nelkarapatti (111, 112).
826 Palni (105, 106).
827 Papampatti (114).
828 Sivaginpatti (99).
829 Thamaraiikulam (118).
830 Thechanalickenpatti (120).
831 Velagoundanvalasu (60).
832 Velayudhanpalayampudur (117).
833 Balasamudram* (119).
834 Ayyampalli* (121).
835 Ambasamudram*.
836 Karadalkuttam* h/o Nelkarapatti (112).
837 Marichilambu* (51).
838 Poolampatti* h/o Marichilambu (51).
839 Thirukondanvalasu* h/o Marichilambu (51).
840 Vadipatti* (109).

Periyakulam taluk.

- 841 Alagapuri (98).
842 Allinagar (24, 25).
843 Chinnamanur† (66).
844 Cumbur† (115).
845 Dombucherry (50, 51).
846 Lakshnapuram (14).

MADURAI DISTRICT—cont.

Periyakulam taluk—cont.

- 847 Koduvillarpatti (43, 44).
848 Korampatti (44).
849 Nagalapuram (44).
850 Periakulam† (9).
851 Pitthalpatti.
852 Ranganathapuram (87).
853 Srirangapuram (81).
854 Thottahattanpatti (97).
855 Theni (24, 25).
856 Thadicherry (61).
857 Uttamapalayam† (99).
858 Upparapatti (57).
859 Uppukottai (52).
860 Veerapandi (53, 54).
861 Venkatchalapuram (84).
862 Veppampatti (57).
863 Vedaveeranalickenpatti (26).
864 Unjampatti (23).
865 Balakrishnapuram (44).
866 Gangurapatti (4, 5).
867 Sukkankalpatti (97).
868 Govindanagar (73, 74).
869 Mallyagoundanpatty (53).
870 Marikundu (45, 46).
871 Subbalapuram (45, 46).
872 Marikundu.
873 Subbalapuram.
874 Devadanapatti (6 and 7).
875 Gudalur (121).
876 Pulancheitipatty (30).
877 Karupadevanpatty (84).
878 Andipatti* (36).
879 Jangalipatti* (84).
880 Jakkampatti* h/o Andipatti (36).
881 Jayamangalam* (17).
882 Kondamanalickenpatti* h/o Uthamapalayam (101).
883 Kondamanalickenpatti* h/o Andipatti (83).
884 Kamayagoundanpatti* (117).
885 Kariannampatti* h/o Pannaipuram (88).
886 Keelavadakkurati* (19).
887 Kombai† (98 and 94).
888 Melamangalam* (15).
889 Markayankottai* (90).
890 Muthuthavanpatti* h/o Veerapandi (54).
891 Nagavagoundanpatti* h/o Rayappampatti (113).
892 Pannaipuram* (88).
893 Poombalickundu* (82).
894 Pudupatti* h/o Thamaraiikulam (14).
895 Pudupatti* (114).
896 Ranganaapuram* h/o Pannipuram (88).
897 Royappampatti* (112 and 113).
898 Rama-wannalickenpatti* h/o Uthamapalayam (101).
899 Sedapatti* h/o Melamangalam (15).
900 Thevaram (Urban)† (79).
901 Thevaram (Rural)* (80).
902 Vadagappatti* h/o Melamangalam (15).
903 Vayalpatti* h/o Veerapandi (53 and 54).
904 Bodinayakanur† (27).

NILGIRIS DISTRICT.

Coonoor taluk.

- 905 Aravankadu (22, 23).
906 Aravenu (11).
907 Aralutty (27).
908 Bearhaty (27).
909 Bangalmattam (12).
910 Edapalli.
911 Ellithoral.
912 Hulleal (26).
913 Hybathalai (22, 23).
914 Jagathala (14).
915 Kattubetta (9).
916 Coonoor† (17, 20).
917 Kilkundah.
918 Kotagiri† (4).
919 Kilkotagiri (4).
920 Konakal (12).
921 Kondillika.
922 Korakal.

* Electrified during the year. † Town. ‡ Taken over from the licensee during the year.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

* Electrified during the year. † Town. ‡ Taken over from the licensee during the year.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-I—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PYKARA ELECTRICITY SYSTEM—cont.

NILGIRIS DISTRICT—cont.

Coonoor taluk—cont.

- 923 Manthakandy.
924 Marikal.
925 Melur (18).
926 Manjakombal.
927 Thennary (18).
928 Thathanad (10).
929 Wellington Cantonment† (18).
930 Dhavani Group.
931 Jackathurai (11).
932 Jackonara.
933 Hosatty (9).
934 Halakosai.
935 Karimolabatty (20, 22).
936 Kodaikodu (9).
937 Paddala (9).
938 Pasaraty (21).
939 Pamaiven (26).
940 Onnathi (4).
941 Mudlane.
942 Kakkatty (21).
943 Makkatty (21).
944 Karkaddy (21).
945 Sholurnatta (4).
946 Thambi Malai (1).
947 Neergulli Estate (4).
948 Adigaratty (2).
949 Bical (25).
950 Godlaty (25).
951 Battalad * h/o Konakkorai (12).
952 Chinnabikatty * h/o Hubbalhalai (22 and 23).
953 Deusalai * h/o Ketti (21).
954 Kilkoparai * h/o Thead (4).
955 Kettithurai * h/o Ketti (2).
956 Kerbetta * h/o Kotagiri (10).
957 Katery * h/o Adigaratty (25).
958 Neikambe * h/o Ketti (21).
959 Nadukatty * h/o Adigaratty (25).
960 Periabikatty * h/o Hubbalhalai (22 and 23).
961 Sakklatty * h/o Ketti (21).
962 Sogathurai * h/o Ketti (21).
963 Thelppacombay * h/o Konakkorai (12).
964 Thoratty * h/o Adigaratty (25).
965 Thunbur * h/o Kotagiri (10).
966 Yellanhalai * h/o Ketti (21).
967 Yedukorai * h/o Kotagiri (10).

Gudalur taluk.

- 968 Devarashola (5).
969 Gudalur (7).
970 Killur (5).

Ootacamund taluk.

- 971 Balacool (14).
972 Bokkarai.
973 Deynad (14).
974 Glenmorgan (8).
975 Hallakkorai (14).
976 Keinaraj (9).
977 Kokkalada (14).
978 Kothabin (14).
979 Manthapi.
980 Meekari.
981 Mayanthola.
982 Mekundah (16).
983 Menjoor (16).
984 Manihally (14).
985 Mudugala (14).
986 Mullimalai (16).
987 Mynalla.
988 Oranahally (14).
989 Thangadu (14).
990 Devarashola (14).
991 Kandibickai (16).
992 Kanery (14).
993 Katchigally (16).
994 Mathakavadi.
995 Marikandi.
996 Osnally.
997 Ootacamund† (10, 11).
998 Ketti.
999 Kerada.

NILGIRIS DISTRICT—cont.

Ootacamund taluk—cont.

- 1000 Achankal.
1001 Santhur.
1002 Selas.
1003 Palada (13).
1004 Halada.
1005 Tideathatti (16).
1006 Manappattu.
1007 Thonemil.
1008 Soragandur.
1009 Ulleda.
1010 Bikketty (15).
1011 Thummen (8).
1012 Doddamanahatty.
1013 Maji agudi.
1014 Ithalai.
1015 Thatherberu (5).
1016 Honnathalai (5).
1017 Kalinganahatty (14).
1018 Kaguchi (5).
1019 Agricultural Research Station and Government Colony * h/o Nanjanadu (12).
1020 Appukkodu * h/o Ithalai (13).
1021 Bethal * h/o Ithalai (13).
1022 Baranacoolai * h/o of Balacool (14).
1023 Bambatty * h/o Ithalai (13).
1024 Bengichengalhatti * h/o Nanjanadu (12).
1025 Beratti * h/o Thummanatty (9).
1026 Kambatti * h/o Thummanatty (9).
1027 Kanupalla * h/o Hallatty (9).
1028 Kappathurai * h/o Nanjanadu (12).
1029 Katcherry * h/o Thummanatty (9).
1030 Kenthurai * h/o Thummanatty (9).
1031 Kundacheppei * h/o Thummanatty (9).
1032 Kupache * h/o Thummanatty (9).
1033 Kurudugulu * h/o Nanjanadu (12).
1034 Morgai * h/o Thummanatty (9).
1035 Muthurai * h/o Ootacamund (11).
1036 Nundala * h/o Ithalai (13).
1037 Thullithalai * h/o Ithalai (13).
1038 Thumanadu * h/o Thummanatty (9).
1039 Thuneri (8).

SOUTH KANARA DISTRICT.

Udupi taluk.

- 1040 Nanjanad.
1041 Udupi† (65).
1042 Karakal†
1043 Manipal and some parts (55).
1044 Anbalpadi (47).
1045 Kadiyur (47).
1046 Kadakar (47).
1047 Balagabattur (56).
1048 Putturt (45).
1049 Shivali (48).
1050 Kodavur (Kodur) (19).
1051 Udayavar (57).
1052 Kallianpur (37).
1053 Malpe (46).
1054 Badagabattu (56).
1055 Brahmar (29).
1056 Mahakkai (27).
1057 Chantaru (29).
1058 Varampatti (33).
1059 Hondadi (28).
1060 Kumruragodu (27).
1061 Yeragudde (62).
1062 Kotte (62).
1063 Mattu (62).
1064 Moodabertu (62).
1065 Ulivargoli (64).
1066 Kemmannu * h/o Tonsc west (36).
1067 Majur * (69).
1068 Mallur * (68).
1069 Naipally * h/o Kallianpur (37) (West House village).
1070 Padur * (70).

Coondapur taluk.

- 1071 Coondapur†* (51).
1072 Vederhobli * h/o Coondapur (51).

APPENDIX H-I—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

METTUR ELECTRICITY SYSTEM.

COIMBATORE DISTRICT.

Bhavani taluk.

- 1 Ammapet (23).
2 Andipalayam (Brahmadesam) (27).
3 Andiyur (18).
4 Appakudal (40).
5 Athani (10).
6 Bhavanit (44).
7 Chennampatti * (4).
8 Devasthanamkattur (Tiruppur) (8).
9 Ilipalli (9).
10 Jambai (43).
11 Kallavi (38).
12 Kesarmangalam (39).
13 Kittampatti * h/o Chennampatti (4).
14 Kondayampalayam h/o Nagalur (12).
15 Koppich palayam (Kesarmangalam) (39).
16 Kurumbapalayam (Kurichi) (30).
17 Mandipalayam (Mylambadi) (37).
18 Manickampalayam (Kurichi) (30).
19 Michelampalayam (Andhiyur) (13).
20 Murli * (Chennampatti) (4).
21 Narinjepettai (21).
22 Olagadam (29).
23 Oricheri (42).
24 Paruvachi (36).
25 Patlur (16).
26 Peria Vadimalaipalayam (Jambai) (43).
27 Perumapalayam h/o Nagalur (12).
28 Pudukpalayam (Chettisemudram) (14).
29 Punam (41).
30 Ramalingapuram (Nallur) (103).
31 Sarathol * h/o Chennampatti (4).
32 Saturday Market * h/o Chennampatti (4).
33 Singampettai (25).
34 Thalappalayam (Jambai) (43).
35 Thippichettipalayam (Jambai) (43).
36 Thottipalayam (Bhavani) (45).
37 Vachikottai (47).
38 Varadanallur (49).
39 Vellakattur * h/o Chinnampatti (4).
40 Vellithiruppur (Tiruppur) (8).

Erode taluk.

- 41 Brahmana Peria Agraharam (14).
42 Chittadu (7).
43 Edyanakattuvalasu (Municipal limits of Erode) (17).
44 Goundangalpalayam (Chennasamudram) (197).
45 Kalingarayampalayam (Komaragoundampalayam) (62).
46 Kodumudi (192).
47 Kolathupalayam * (179).
48 Komalanparappu (Suriyampalayam) (6).
49 Vattamedu (Nanjai-Kilambadi) (137).
50 Peria Saunur (15).
51 Suriampalayam (6).
52 Unjalur-kolathupalayam * (181).
53 Vairampalayam (28).
54 Veerapanchatram (17).

Gobichettipalayam taluk.

- 55 Rakkampalayam h/o Ammapalayam (98) (Rakkannamur as per the taluk map).
56 Savandapur.

SALEM DISTRICT.

Omair taluk.

- 57 Ettikuttapatti (115).
58 Iyempudur (Alamarathupatti) (13).
59 Jalakantapuram (61).
60 Kolathur (15).
61 Kullagoundanur * h/o (Ettikuttapatti) (115).
62 Kunandiyur (Kunjandiyur) (3).
63 Mettur Dam† (17).
64 Nanzavalli (50).
65 Nattamangalam (Navapatti) (19).
66 Omair† (98).
67 Pachampatti (87).
68 Taramangalam† (94).
69 Tharkaud (Alamarathupatti) (13).
70 Vadavasi (48).
71 Veerakka (49).
72 Vellalappatti* (117).

SALEM DISTRICT—cont.

Krishnagiri taluk.

- 73 Arasampatti (Bandraballi) (162).
74 Bargur (82).
75 Bogampalli (Bogampalli) (72).
76 Karagur * h/o Kumbarahalli (141).
77 Kaveripattam (93).
78 Krishnagiri (73).
79 Madapalli (31).
80 Sappanipatti * h/o Payyur (115).

Hosur taluk.

- 81 Bagalur * (9).
82 Basti * h/o Avalapalli (34).
83 Hosur * (51).
84 Jeemangalam * h/o Nagalur (9).
85 Mathigiri * (65).
86 Motham Agraharam * (48).

Dharmapuri taluk.

- 87 Dharmapuri† (107).
88 Karimangalam (27).
89 Nadehalli (89).
90 Palayam (144).

Yercaud taluk.

- 91 Yercaud (Sheveroy) (4).

Salem taluk.

- 92 Adikaripatti (129).
93 Ayodipattam (102).
94 Chinnasoundapuram (130).
95 Chinnas Soundapadi (142).
96 Elampillai (Elampalli) (134).
97 Jari Kondalampatti (124).
98 Kadathur Agraharam (168).
99 Karaperumankaradu * h/o Andipatti (119).
100 Kondalampatti (151).
101 Kottamudi* (197).
102 Mallur (197).
103 Masinaickenpatti (101).
104 Mettupatti (103).
105 Sekkarapatti (159).
106 Odappatti (128).
107 Pavangadu * h/o Mallur (197).
108 Peria Seeragapadi (141).
109 Perumapalayam* (106).
110 Seshanahavadi (Mallamooanpatti) (54).
111 Thirumalagiri* (90).
112 Valapadi (112).
113 Veeranam* (68).
114 Veerapandi* (143).
115 Vembadithalam (164).
116 Vengampatti * h/o Mallur (197).

Attur taluk.

- 117 Selliampalayam (165).
118 Abinayam (Thapur) (20).
119 Attur (61).
120 Chinnasamudram (Peddanaickenpalayam) (23).
121 Dalavaipatti (54).
122 Erramasamudram * h/o Peddannaickenpalayam (23).
123 Mulluvadi (62).
124 Narasingapuram (58).
125 Peddannaickenpalayam (23).
126 Sundarapuram (Palaniyapuri) (55).
127 Thulukkanur (63).
128 Umairapuram (31).
129 Yethapur (Thapur Panchayat) (20).

Tiruchengode taluk.

- 130 Chittor (8).
131 Eachangadu * h/o Ballakuli (48).
132 Komarapalayam† (88).
133 Mac Donald's Choultry (Ernapuram) (85).
134 Mettupatti (131).
135 Poolampatti (3).
136 Settimankurichi (9).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

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APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

METTUR ELECTRICITY SYSTEM—cont.

SALEM DISTRICT—cont.

Rasipuram taluk.

- 137 Anaiyalayam* (61).
138 Arasapalayam (68).
139 Athanur* h/o Mascallipatti (31).
140 Ariagoundampatty (44).
141 Chandrasekarampuram (63).
142 Chinnakaveri (Namagiripet) (44).
143 Goundampalayam (64).
144 Jaderpalayam (O.T.)* (72), (73).
145 Kakaveri (53).
146 Koneripatti (51).
147 Malayampatti (27).
148 Maskalpatti (Moolakkadu) (41).
149 Mettur* (Pallavanaiickenpatti) (9).
150 Namagiripet (44).
151 Oduvankurichi (Namagiripet) (44).
152 Pachudampalayam* (72).
153 Pattanam (43).
154 Pudupatti (30).
155 Rasipuram† (50).
156 Seerapalli (Namagiripet) (44).
157 Singalandapuram (56).
158 Thengalpalayam (25).
159 Valasu (Keeranur) (7).
160 Vellakkalpatti* h/o Namagiripet (44).

Harur taluk.

- 161 Harur (301).
162 Madhiyanur* h/o Harur (301).
163 Singarapet (113).
164 Uttangarai (79).

Namakkal taluk.

- 165 Agrahara Ayyampalayam (99).
166 Anaiyalayam (193).
167 Anangur (167).
168 Belukurichi* (30).
169 Erumalpatti (200).
170 Govindampalayam* (17).
171 Jaderpalayam (Vadagarai, Attur West) (147).
172 Kalichettipatti (Erumalpatti) (200).
173 Kalkurichi (11).
174 Kanavalpatti (Laddivadi) (158).
175 Kondichettipatti (111).
176 Kongalathur (Laddivadi) (158).
177 Kottanampalayam (Paramathi) (153).
178 Kullappanaickenpatti* h/o Kadiranallur Agraharam (9 and 10).
179 Laddivadi (158).
180 Marupatti (69).
181 Mohanur (214).
182 Nallagoundampudur (Villupalayam) (120).
183 Nallipalayam (100).
184 Namakkal† (112).
185 Nanjai Edayar (185).
186 Pandamangalam (Vengarai) (175).
187 Paramathi (153).
188 Pillikalapalayam (170).
189 Pudupatti (159).
190 Sendamangalam† (49) & (50).
191 Singalamkomabai (141).
192 Thathlengurpettal* (9 and 10).
193 Tholur (102).
194 Unjapalayam (Olaiyalayam) (183).
195 Vadagarai-Attur West (147).
196 Vellalapatti (Belukurichi) (30).
197 Velur (182).
198 Vengarai (175).

THIRUCHIRAPPALLI DISTRICT.

Karur taluk.

- 199 Achampuram (33).
200 Dalavapalayam (Nanjai-Thottakurichi) (10).
201 Kadambankurichi* (18).
202 Lakshminarayanasamudram (48).
203 Lakshimpatti (Uppidamangalam) (68).
204 Melapalayam (53).
205 Moolakatanur* h/o Senarattai (51).
206 Madayanur (Kombupalayam) (6).
207 Nanaparappu (Nanjai Pugalur) (9).

THIRUCHIRAPPALLI DISTRICT—cont.

Karur taluk—cont.

- 208 Nanjai Pugalur (8).
209 Nanjai Thottakurichi (10).
210 Noyyal (Lakshminarayanasamudram) (48).
211 Pudur* h/o Kadambankurichi (13).
212 Pullyur (Kondathur) (34).
213 Punjai Pugalur† (9).
214 Punjai Thottakurichi (11).
215 Ranganathapuram (2).
216 Semangal (Vettamangalam) (5).
217 Sendayur* h/o Kadambankurichi (13).
218 Thanthoniipatti (Kakkavadi) (64).
219 Thirumalainathampatti (Kakkavadi) (64).
220 Uppidamangalam* (68).
221 Varapalayam* h/o Kadambankurichi (13).
222 Vallipalayam* h/o Kuppihupalayam (16).
223 Velayudhampalayam (Punjai Thottakurichi) (11).
224 Vennamalai (Kadapparai) (30).
225 Vettamangalam (5).

Kulittalai taluk.

- 226 Balarajapuram (1).
227 Manavasi (17).
228 Veerarakkiam (Balarajapuram) (1).

CHINGLEPUT DISTRICT.

Sriperumbudur taluk.

- 229 Pichivakkam.

Kariyapattinam taluk.

- 230 Govindavadi.*
231 Pallalur.*
232 Purasai.
233 Pudnalai.

NORTH ARCOT DISTRICT.

Arkonam taluk.

- 234 Alapakkam* (110).
235 Ammavarthangal* h/o Kilukuppam (23).
236 Ananthapuram h/o Takkolam (96).
237 Arivilavadi (Arivilavadi) (75).
238 Arkonam† (28).
239 Asanalikuppam (103).
240 Athipatti (137).
241 Attupakkam (93).
242 Ayarpadi (123).
243 Chittambadi (21).
244 Gummidigunpatti* (10).
245 Guruvaram (Sambudu) (21).
246 Kainoor (28).
247 Kavanur* (Kilukuppam) (23).
248 Kaveripakkam† (117).
249 Kilukuppam* (23).
250 Kilukuppam* (24).
251 Kilvenkatapuram* (91).
252 Kilvithi* (84).
253 Mangattucheri (77).
254 Melapalam (124).
255 Mothur* h/o Melapalam (124).
256 Morungai (99).
257 Nangalangalam* (121).
258 Narsalingapuram* h/o Kilukuppam (23).
259 Nemili (90).
260 Ocheri (133).
261 Pallur* (105).
262 Panappakkam† (125).
263 Parameswaramangalam (94).
264 Pazhayakesavaram (53).
265 Pinnavaram* (97).
266 Pudukesavaram (53).
267 Pudur (79).
268 Pullamangalam (29).
269 Punnai (Nemili) (90).
270 Rajapalayam* h/o Kilukuppam (24).
271 Ramapuram* h/o Melapalam (124).
272 Sayanavaram (92).
273 Sendamangalam* h/o Pinnavaram (97).

* Electrified during the year.

† Town.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

METTUR ELECTRICITY SYSTEM—cont.

NORTH ARCOT DISTRICT—cont.

Arkonam taluk—cont.

- 274 Sevittupalayam (53).
275 Sirkuramboor. (132).
276 Subbanaidugandigai* h/o Takkolam (96).
277 Takkolam (96).
278 Thandalam (Jaghi) (130).
279 Thirumadulambakkam (76).
280 Thirumelpur (115).
281 Veeranarayanaapuram* h/o Mudur (6).
282 Vettangulam (102).*

Vellore taluk.

- 283 Gollamangalam (42).
284 Kamalamkuttai (46).
285 Kilukuppam (41).
286 Kilukuppam (41).
287 Othiyathur (Kamalamkuttai) (46).
288 Pallikonda (1).
289 Shenbakkam (20).
290 Thiruvadamudram (45).
291 Vadakatupatti (Kuthambakkam) (40).
292 Venzil (39).
293 Virinchipuram (11).
294 Ambur (95).†
295 Tharveli.†
296 Gengapuram.†
297 Govindapuram.†
298 Solur (96).†
299 Alanguppam (103).†
300 Devalapuram.†
301 Marapattu (34).†
302 Chengilkuppam (34).†

Polar taluk.

- 303 Enduvambadi (42).
304 Kolambur (32).†
305 Kalasapakkam (136).
306 Kapalur (123).
307 Kunnattur (6).
308 Kuruvimalai (100).
309 Muthupalayam (Thenpalipattu) (137).
310 Nainavaram.*
311 Palankottai (133).
312 Pillur (135).
313 Polar (70).†
314 Randeripatti (71).
315 Thenpalipattu (137).

Chengam taluk.

- 316 Alaputhur (37).
317 Anwarabad (44).
318 Chengam (60).
319 Gudalore (129).
320 Guruvappanaickenpalayam* h/o Pudupalayam (29).
321 Kakarasampalayam* h/o Pudupalayam (29).
322 Kayambattur (57).
323 Kilurupakkam (109).
324 Kuppanatham (10).
325 Melirupakkam (108).
326 Munnuramangalam (44).
327 Paramanandal (30).
328 Pudupalayam (29).
329 Pudupattu (40).
330 Quilim (41).
331 Serapattu (131).
332 Thandarambattu (117).
333 Thukkapettai (61).
334 Thukkadadi (62).
335 Vakkilapattu (130).
336 Valayampattu (56).
337 Veeranandal (28).*

Wallajpet taluk.

- 338 Agaram (123).
339 Allalacheri (165).
340 Annathangal* h/o Arumbakkam (109).
341 Arumbakkam (109).
342 Athithangal (182).
343 Chakkaramallur (72).
344 Esayanur (70).*

NORTH ARCOT DISTRICT—cont.

Wallajpet taluk—cont.

- 345 Govindachari (41).
346 Kadapperi (67).
347 Kalanzalcheri* h/o Chakkaramallur (72).
348 Kalaval (101).
349 Kalavalpudhur (124).
350 Karikkanthangal (121).
351 Kilambadi (73).
352 Kodakkal Pudur (Kodakkal) (33).
353 Kurumudithangal* h/o Mulluvadi (111).
354 Kunnikapuram* h/o Thalangai (45).
355 Lokapuram (Thalangai) (45).
356 Mallikapuram* h/o Esayanur (70).
357 Mambakkam (174).
358 Mecheri (168).
359 Melapandal (177).
360 Meludupakkam (175).
361 Melvankitapuram (99).
362 Ozhalai (131).
363 Ozhughur (50).
364 Pazavalli (55).
365 Pazhayannur* h/o Athithangal (132).
366 Pennagar (152).
367 Perlamangalam (153).
368 Pindithangal (125).†
369 Pannathangal* h/o Vellambi (126).
370 Poondi (66).
371 Pudur* (Kanniyarur) (129).
372 Perungudi (33).
373 Sathembakkam (65).
374 Sholinghur (35).†
375 Soraiyur (178).
376 Sumathangal (54).
377 Talangal (45).
378 Thirumalchhari (64).
379 Thiruparkadal (68).
380 Timiri (107).
381 Vadakadappanthangal* (39).
382 Valaipandal (176).
383 Valavanur* (69).
384 Valluvambakkam (52).
385 Vanghur (44).
386 Vellambi* (126).
387 Velur (116).

Arni taluk.

- 388 Velapadi* (116).
389 Arni (100).†
390 Kallithangal* (117).
391 Kalpundi* (50).
392 Kanigiluppi (42).
393 Karamedu*
394 Katteri (44).
395 Kondavetti thangal (109).
396 Mamandoor (49).
397 Mainandal (Kanigiluppi) (43).
398 Mattathari (42).
399 Mottur (Kallithangal) (117).
400 Mulliret* (76).
401 Nadukuppam (Kuppam) (71).
402 Nesal (121).
403 Methapakkam* (99).
404 Palanganur (97).
405 Pannayur* (52).
406 Pulavambadi (132).
407 Randam (142).
408 Rendam-Korattur* (51).
409 Samanthavadi (118).
410 Satyavijayanagar (48).
411 Tirumalaisamudram (Arni) 100.

Cheyyur taluk.

- 412 Malseshamangalam* (161).
413 Arugavoor (113).
414 Gerukkal (151).
415 Kalinipakkam* (167).
416 Kilmatti (Thava) (155).
417 Naval (Navalipakkam)* (176).
418 Poonthandalam (4).
419 Pullambakkam* (136).
420 Sethuvanthangal (10).
421 Tiruvettipuram (135).†
422 Vakkadal* (166).

* Electrified during the year.

† Towns.

‡ Taken over from the licensee during the year.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

METTUR ELECTRICITY SYSTEM—cont.

NORTH ARCOT DISTRICT—cont.

Wandiwash taluk.

- 423 Aliyandal * (53).
424 Annayapatti (Arasur) (71).
425 Ariyapatti * (16).
426 Pernanallur * (10).
427 Wandiwash (75).†

Tiruvannamalai taluk.

- 428 Adalvur (87).
429 Anaikarai * h/o Kilanai (114).
430 Anaiyur (97).
431 Arasudayampatti (104).
432 Atiyadal (98).
433 Devanandal (90).
434 Durgamandal (81).
435 Endal (118). *
436 Edapalayam * h/o Melathikkam (115).
437 Kilnathur (Endal) * (116).
438 Kilnathur * (55).
439 Mallavadi (85).
440 Mekkalur * (50).
441 Melattinattu (100).
442 Nallavampalayam (99).
443 Savalpoondi * (113).
444 Soranda (Mallavadi) (35).
445 Thallambadi * h/o Mokkalur (50).
446 Thenmathur * (99).
447 Tiruvannamalai (89).†
448 Thirinjapuram * (37).
449 Usambadi (36).
450 Valpur * (145).
451 Venzikkal (8*).
452 Vettavalam (141).

Tirupattur taluk.

- 453 Agraharam (59).
454 Anandapatti (155).
455 Chinnaikaragupatti * h/o Kakkinaickenpatti (112).
456 Christukulasaram (Kadirimangalam) (89).
457 Elagiri (65).
458 Gejjanaickenpatti * h/o Kanndibi (10*).
459 Gummidigupatti * (104).
460 Jalarpet (86).
461 Kandali * (103).
462 Karagapatti * h/o Nariyaneri (97).
463 Kasiainenpatti (94).
464 Kodiyur (Jalarpet) (68).
465 Koratti (Adalvur) (134 and 135).
466 Mangupam * h/o Abariyaneri (97).
467 Nariyaneri * (97).
468 Pachal (74).
469 Parandapalli * h/o Perलगunam (96).
470 Thakkaiyam * (98).
471 Thekuppattur (25).
472 Thirupattur (90).†
473 Pachanapatti * (Andaiyur) (135).
474 Vengayapalli * (157).
475 Vaniyambadi (10).†
476 Chettiyampapuram (hamlet).†
477 Devasthanammita.†
478 Old Vaniyambadi (9).†
479 Alinjikulam (2).†
480 Nadupatturai (4).†

Gudiyattam taluk.

- 481 Alathur (Melalathur) (121).
482 Ammanankuppam (56).
483 Anganallur (132).
484 Aithampattu (Chinnavarigam) (146).
485 Balur (115).
486 Balamapuram (Melalathur) (121).
487 Cheruvanki (87).
488 Chinnathottalam * (142).
489 Damalacheruvu (Chinnadamalacheruvu) (81).
490 Elathipur * h/o Kilpatti (128).
491 Gudiyattam (52).†
492 Kadirikuppam (Pakkam) (17).
493 Kallur (Sevoor) (71).
494 Kamachampatt * (Kilvathankuppam) (60).
495 Katteri (Pakkam) (17).
496 Kilathur (57).

NORTH ARCOT DISTRICT—cont.

Gudiyattam taluk—cont.

- 497 Kilpatti * (128).
498 Kilur * (Singalipadi) (131).
499 Kondasamudram (54).
500 Kosavanpudur * (Pasunnathur) (93).
501 Kothakuppam (133).
502 Kothamangalam * (101).
503 Kothappalli (80).
504 Krishnapalli * (127).
505 Kothur (Kotopalli) (80).
506 Kulidikai * (143).
507 Kuppara-ampatti * (Machambut) (126).
508 Machambut (126).
509 Madanur (37).
510 Masikam (78). *
511 Melpatti (141). *
512 Melur * (96).
513 Melalathur (121). *
514 Melmathukur (83).
515 Mittapalli (Masigam) (78).
516 Mudinambut * (96).
517 Nariyambut (135).
518 Natham (Melalathur) (121).
519 Omerabad (Chinnavarigam) (146).
520 Omkuppam (Pernambut) (41).
521 Olaiyathur * h/o Thirumanal (104).
522 Pakkam (17).
523 Kondasamudram * (54).
524 Pasumathur * (93).
525 Pernambut (41).†
526 Rajulagudi * h/o Sethuvandai (55).
527 Rasampalli (Kulidikai) * (143).
528 Sathugudi (Pernambut) (42). *
529 Sathubakkam * (148).
530 Sathugur (Pernambut) (42).
531 Senrayampalli * h/o Sethuvandai (55).
532 Sedukarai (90).
533 Sendathur * (127).
534 Sethuvandai (55).
535 Sevoor (71).
536 Singalipadi (131).
537 Talayattam (89).
538 Thottalam (38).
539 Thirumanal (104). *
540 Ulli * (140).
541 Vedavirinchipuram * (97).
542 Varadapalayam * h/o Ulli (130).
543 Vasampalli h/o Machampatt (126).
544 Vizhundakkad * (108).
545 Thurthipet (151).†
546 Kandampalli (hamlet).†
547 Melkandarampalli.†
548 Labbaimankuppam.†
549 Ramachandrapuram (hamlet) †
550 Banghi Shop (hamlet).†
551 Venkatasamudram (150).†
552 Chinnavenkatasamudram (hamlet).†
553 Govindapuram (hamlet).†
554 Kammakrishnapalli.†
555 Periyavarikkam (147).†
556 Chinnavarikkam (146).†
557 Mekanampalli.†
558 Mittalam (145).†

SOUTH ARCOT DISTRICT.

Tirukkoyilur taluk.

- 559 Devanur (53).
560 Edayar (140).
561 Giamam Malayampatti (196 and 197).
562 Kadaganur * (59).
563 Kalamarudur (257).
564 Kallandal (43).
565 Kumarasangalam (288).
566 Mudlanur * (70).
567 Manakuppam * (156).
568 C. Melyur (115).
569 Penapakkam * (139).
570 Perlangiyur * (204).
571 Poyyasarur (239).
572 Pudupalayam (135).
573 Pulikkai (Nayanur) (42).

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

METTUR ELECTRICITY SYSTEM—cont.

SOUTH ARCOT DISTRICT—cont.

Tirukkoyilur taluk—cont.

- 574 Semmanangur (306).
575 Sirumadurai (141).
576 Tirukkoyilur (74). †
577 Tiruvannainallur (173).
578 Ulundurpet (322).†
579 Vadakarithuyenur * (56).
580 Veerapandi (24).
581 Vellampudur (55).

Vallapuram taluk.

- 582 Kandamanadi (191).
583 Kaveripakkam (200).
584 Pidagan (190).

Vridhachalam taluk.

- 585 Karnatham (21).
586 Korakkai (250).
587 Mangalam (22).
588 Neiveli (106).
589 Sathamangalam * (103).

PAPANASAM ELECTRICITY SYSTEM.

MADURAI DISTRICT.

Madurai taluk.

- 1 Anstimpatti.
2 Avaniyapuram (199).
3 Harveypatti.
4 Palanganatham (24).
5 Panayoor (201).
6 Pasumalai.
7 Tirupparankundram (206). *†
8 Veeramadayam (24).
9 Alagapuri (47).
10 Kootharkundu.
11 Samayanallur (101).
12 Vadapalanji (153).
13 Avaniyapuram (47).
14 Ayyanapuram (42).
15 Villacheri (155).
16 Villapuram (47).
17 Thevur (92).
18 Veerachandur (230).
19 Viraganur (195).
20 Madakulam (185).
21 Achampathu (152).
22 Virathipatti.
23 Navinipatti.
24 Paravai (102). *
25 Chintamani (200). *
26 Anuppanadi (188). *
27 Thodaneri (82). *
28 Vandiyoor (204). *
29 Hanumanpatti (97). *
30 Perumalpatti (97). *
31 Uthangudi (110). *
32 Rajagambiram (111). *
33 Ottakadai (93). *

Nilakottai taluk.

- 34 Sholavandan (80).†
35 Thenkarai (59).
36 Thiruvendagani (Thatchampathu). (63)
37 Mannadimangalam (56).
38 Ayyappanickenpatti (33).
39 Kurivithurai (1).
40 Anganallur (104). *
41 Irumbadi (55). *
42 Karupatti (53). *
43 Lakshimpuram (37). *
44 Meenakshipuram (37). *

SOUTH ARCOT DISTRICT—cont.

Vridhachalam taluk—cont.

- 590 Uthangalamangalam * (87).
591 Vridhachalam (136).

Cuddalore taluk.

- 592 Kadambuliur (149).
593 Mananthavinthapuram (164).
594 Melarungunam (Manathairanthappuram) (164).
595 Satham (163).
596 Rayapalayam (Marapakkam) (163).
597 Sennakottai (162).
598 Semmedu (159).
599 Thiruvannur (162).
600 Veeraperumallur (166).
601 Visur (146).

Gingee taluk.

- 602 Avalur * (42).

Kallakurichi taluk.

- 603 Chinnasalem * (207).
604 Enapper * h/o Kallakurichi (142).
605 K. Kallakurichi * (142).
606 Thyagai * (133).

MADURAI DISTRICT—cont.

Nilakottai taluk—cont.

- 45 Palamedu (80). *
46 Nachikulam (54). *
47 Kadupatti (40). *
48 Murugathurapatti (Hamlet of Malayalam) (25). *

Melur taluk.

- 49 Melur (73).†
50 Thiruvadavoor (99).
51 Therakkuppatti (81).
52 Veppadappu (105).
53 Navinipatti (81).
54 Poonchuthi (106).
55 Kollipatti (Hamlet of Natham) (80). *
56 Chellappanickenpatti (32). *
57 Velampatti (32). *

Tirumangalam taluk.

- 58 Dharmathupatti (91).
59 Kalugudi (251).
60 Kappalur (92).
61 Kinnamangalam.
62 Maravankulam (114).
63 Malappatti (237).
64 Muthupatti (39).
65 Palakkampudupatti (92).
66 Thenpalanji.
67 Tirumangalam (120).†
68 Vadagarai (129).
69 Sengulam (488).
70 Uchappatti (90).
71 Pudupatti (136).
72 Vadakkampatti.
73 Sengapadi (173).
74 Rayapalayam (144).
75 Kattarampatti (73).
76 Sundararajapuram (137).
77 Achampatti (137).
78 Alampatti (488).
79 Kunzathur (194).
80 Peraiyur (202).†
81 Kallupatti (220).
82 Kalligudi.
83 Avasurgampatti (218).
84 Lalapuram (131).

* Electrified during the year. † Towns. ‡ Taken over from the licensee during the year.

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APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PAPANASAM ELECTRICITY SYSTEM—cont.

MADURAI DISTRICT—cont.

Tirumangalam taluk—cont.

- 85 Villur (229).
86 Melakottai Naduvakottai (163) and (164).
87 Thirali (137).
88 Giralakoundanpatti (159).
89 Sivarakottai (126).
90 Usilampatti (83).
91 Venkatasumudram (121).
92 Urappanur (99).
93 Kavundanpatti (29).
94 Pudupatti (93).
95 Chennampatti (258).
96 Daddapanaickanur (15).
97 Krishnapuram (17).
98 Papanaiackapatti (115).
99 Chinmopckenpatti (97).
100 Periapockenpatti (97).
101 Solaiapatti (18).
102 Peikulam (274).
103 Kullalakundu (48).
104 Pottachettipatti (49).
105 Thottipatti (208).

RAMANATHAPURAM DISTRICT.

Sattur taluk.

- 106 Chinmampattanpatti (15).
107 Kattalapatti.
108 Kokkilanjeri.
109 Kurakundu (42).
110 Pavali (17).
111 Pullamkulam (48).
112 Sattur (142).
113 Soolakkarai (73).
114 Thiruthangal (73).
115 Valloor (22).
116 Kumaralingapuram (104).
117 Sengamalanachiarapuram (74).
118 Avadiyapuram (94).
119 Veerarapatti (80).
120 Paraiapatti.
121 Meenampatti.
122 Vadamaipuram.
123 Othayal (188).
124 Mettupatti (163).
125 Kattalapatti (135).
126 Chandrasulapuram.
127 Collegenagar.
128 Pudusurugudi (162).
129 Nadusurugudi (162).
130 Kannalsurugudi (162).
131 Duraisampuram (97).
132 Lakshimpuram (144).
133 Sengamalaiapatti.
134 Naramammalpuram (62).
135 Ramalingapuram (133).
136 Rukmanji.
137 Kumara Ettayapuram.
138 Annampatti (103).
139 Viswanatham, Viswanathaperi. (103)
140 Kattalaiapatti (189).
141 Vagalthur (3).
142 Sivakasi (88).
143 Virudhunagar (20).
144 Mela Kottaiyur (129).
145 Pera Perai (12).
146 Anakkuttam (51).
147 Pudupatti (109).
148 Poovanathapuram (67).
149 Anuppankulam (107).
150 Paraiapatti (107).
151 Sundararajapuram (107).
152 Mettugundu (49).
153 Pottalipatti (91).
154 Kottachinnampatti (59).
155 Vadapatti (58).
156 Alamarathupatti (90).
157 Narayanapuram (89).
158 Poochakapatti (139).
159 Salwarpatti (139).
160 N. Pudur (139).
161 Lakshimpuram (139).

RAMANATHAPURAM DISTRICT—cont.

Sattur taluk—cont.

- 162 Amathur (37).
163 Sengi Reddipatti (37).
164 G. N. Patti (36).
165 Venkatesapuram (37).
166 Alagapuri (41).
167 Krishnapuri (50).
168 Keelathiruthangal (69).

Aruppukottai taluk.

- 169 Aruppukottai (133).
170 Gopalapuram.
171 Palayampatti (117).
172 Tiruchuli (122).
173 Kullurichandai (116).
174 Thottiyankulam.
175 Palavanatham (102).
176 Pallimadam (95).
177 Kathankanchanaickenpatti (39).
178 Athiratti (40).
179 Kattankanchanaickenpatti (40).
180 Malaipatti (147).
181 Kuthiparai (147).
182 Ramanujapuram (104).
183 Kollankulam (103).
184 Poliyuran (118).
185 Keelakandanmangalam (121).
186 Chitlakundu (121).
187 Melakandanmangalam (140).
188 Mallankinar (85).
189 Kalipatti (85).
190 Thimmapatti (85).
191 Reddiapatti (85).

Tiruvadanai taluk.

192 Tirumanjoli.

Tirupattur taluk.

- 193 Mahibalanpatti (39).
194 Erandiur (41).
195 Kandavarayanpatti (67).
196 A. Thekkur (40).
197 Poolankuruchi (10).
198 Sevvur (17).
199 Nelkuppai (22).
200 Tirupattur (89).
201 Kandaramanickam (137).
202 Pattamangalam (125).
203 Chockanathapuram.
204 Adappanendal.
205 Senthivayal (128).
206 Thirukkalgudi (15).
207 Thiruk-shtiyur (145).
208 Sallanpatti (146).
209 Vairavanpatti (144).
210 Thonipatti (112).
211 Karungulam (142).
212 Singampuneri (37).
213 Singampuneri Devasthanam (43).
214 Singampuneri Anjukoll (49).
215 Sathurvedhamangalam (44).
216 Kalappur (43).
217 Alangudi (134).
218 Sevarakottai (158).
219 Sembanoor (164).
220 Kallai (163).
221 Aramanai Siruvoyal (171).

Sivaganga taluk.

- 222 Okkur (111).
223 Kilapungudi (103).
224 Paganeri (54).
225 Alavakottai (28).
226 Keelamangalam (119).
227 Madakupatti (34).
228 Solapuram (157).
229 Piravalur (110).
230 Kadaneri (48).
231 Thatchampatti (38).

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

PAPANASAM ELECTRICITY SYSTEM—cont.

RAMANATHAPURAM DISTRICT—cont.

Sivaganga taluk—cont.

- 232 Keeladi (221).
233 Manalur (223).
234 Tiruppuvanam (405).
235 Palayur.
236 Manamadurai.† (915).
237 Devapuram (915).
238 T. Pudukotai (973).
239 Muttakurichi.

Srivilliputhur taluk.

- 240 Ramachandrapuram (6).
241 Ramalingapuram (13).
242 Nachiarpatti (27).
243 Pappanaickenpatti (30).
244 Appanaickenpatti (33).
245 Managaseri (47).
246 Mullikulam (32).
247 Nochikulam (30).
248 Pattakulam (27).
249 Pudur (45).
250 Nagapalayam (34).
251 Villuppanur (31).
252 Reddiapatti (46).
253 Atchanganulam (37).
254 Semmundikarasakulam (23).
255 Nakkamangalam (33).
256 Sallipatti (27).
257 Nariyankulam (1).
258 Muthuvankatarayapuram (38).
259 Panalpatti (31).
260 Kandarayanukulam (17).
261 Kupatchipatti (17).
262 Thatchakudy.
263 Thiruvendakapuram.
264 Kadanupatti (26).
265 Achanthavilathan (35).
266 Akkarapatti (35).
267 Sivagarapatti (36).
268 Sengamalanpatti (26).
269 Chokkalamatti.
270 Meenakshipuram.
271 Kilrajakularaman (67).
272 Venkatachalapuram.
273 Swaminathapuram (44).
274 Thombakkulam (44).
275 Ramachandrapuram (11).
276 Rajapalayam.† (48).
277 Srivilliputhur.† (38).
278 Narikulam.
279 Samudapuram.
280 Sengamalepuram.
281 Athikulam Sengulam (14).
282 Venkateswarapuram (24).
283 Pudukamothan.
284 Watrap (3).
285 Pudupatti (13).
286 Chattrapatti (65).
287 Thallakulam (43).
288 Sundarapandiam (14).
289 Sundaranachiarapuram (61).
290 Solasery (62).
291 Mettupatti (68).
292 Seithur (69).
293 Ayankollakondan (70).
294 Zamin Kollakondan (71).
295 Muthuswamiapuram (75).
296 Koyilur (76).
297 Chettiarpatti (77).
298 Regunathapuram (59).
299 Achanthavilathan (52).
300 Ayakulam (5).
301 Padikasuvilathan (52).
302 Inamnachiarakoll (43).
303 North Devadanam (73).
304 South Devadanam (75).

Paramakudi taluk.

- 305 Kuriichi (2).
306 Kachathanalur (9).
307 Hayagudi Muthuvalasai (27).
308 Pudur (31).
309 Nainakoll (116).

RAMANATHAPURAM DISTRICT—cont.

Paramakudi taluk—cont.

- 310 Keelakottai (116).
311 Chattrakudi (125).
312 Neumanif (142).
313 Ariyanendal (149).
314 Urappuli (144).
315 Ayakudi (146 and 162).
316 Emaleswaram (149).
317 Paramakudi (150).
318 Thekkathallur (166).
319 Athikarai.†
320 Munaiyevry (7).

Mudukalathur taluk.

- 321 Nallukurichi (27).
322 Pudupatti.
323 Natham (111).
324 Abiramam.†
325 Adayanendal (157).
326 Kamuthi.†
327 Narianendal (39).
328 Vallam (145).
329 Thenaikulam (163).
330 Pallisandal (222).

Ramanathapuram taluk.

- 331 Rameswaram (200).
332 Ramanathapuram (9).
333 Sakarakottai (106).
334 Uchipuli (160).
335 Tiruppullani (186).
336 Narakkayarpatnam (196).
337 Mandapam (197).
338 Mandapam (197).
339 Kilakarai (239).
340 Thattanthone.
341 Valantharavai (121).

TIRUNELVELI DISTRICT.

Kovilpatti taluk.

- 342 Ettayapuram (72).
343 Kovilpatti (41).
344 Pudukkudi (243).
345 Kallampatti (92).
346 Nallathiputtur (44).
347 Kadambur (176).
348 Thirumalapuram.
349 Chinmampandi (65).
350 Villuri (144).
351 Mudukineedampatti (33).
352 Idaisval (121).
353 Chattrapatti (121).
354 Parambukottai (176).
355 Hayasanendal (57, 68).
356 Iyaneri (85).
357 Venkatachalapuram (19).
358 Devarkulam (4).
359 Sannadipudukudy (244).
360 Chittrachattam (6).
361 Alampatti (66).
362 Chattrampatti (59).
363 Thonugal (63).
364 New Appaneri (60).
365 Padanthapuli (191).
366 Seenivallapuram (144).
367 Chittrampatti (59).
368 Avalanatham (39).
369 Old Appaneri (60).
370 Velayudhapuram (13).
371 Kila Iral (130).
372 Arunachalapuram (129).
373 Alagappapuram (105).
374 Balakrishnapuram (105).
375 Alangulam (58).
376 Uthupatti (21).
377 Illupayarani (40).
378 Velukundapuram (61).
379 Kumararettiyapuram (61).
380 Nachiarpatti (61).
381 Kumarpuram (244).
382 Sholapuram (164).

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APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

PAPANASAM ELECTRICITY SYSTEM—cont.

TIRUNELVELI DISTRICT—cont.

Tenkasi taluk.

- 383 Courtallam (72).
384 Erappani (15).
385 Nanji (45).
386 Kilapuliur (47).
387 Mathalamatti (83).
388 Tenkasi (172).†
389 Vallam (44).
390 Melagaram (57).
391 Idakkal (Zamia) (18).
392 Urmelagiam (27).
393 Nainaragaram (26).
394 Kadayannallur (7).
395 Pattukkadaivalai.
396 Krishnapuram (2).
397 Mavadaikal (1).
398 Muthukrishnapuram (2).
399 Kundapuram (5).
400 Adakkaranguam (40).
401 Arumugampatti (41).
402 Chinnappanayankulam.
403 Manimutthar Dam Colony.
404 Melapavoor (54).
405 Kilapavoor (77).
406 Sundarapandiapuram (49).
407 Pavoorchatram (85).
408 Doraiswamyapuram.
409 Thattankulam.
410 Pattakurichi (48).
411 Vellakkal (59).
412 Rajapandi (62).
413 Veerakeralampudur (60).
414 Surandai (40).†
415 Chockanpatti (39).
416 Thirukudapuram (39).
417 Kasidharmam (13).
418 Kodikurichi (28).
419 Sivarampettai (6).
420 Tiruvannagar (Hamlet of Tippanampatti) (90).
421 Pamboli (25).
422 Vadakarai (16).
423 Vavanagaram (16).
424 Thirumalaikottai (13).
425 Thirupurasundarapuram (19).
426 Kulasekaranpatti (58).
427 Melaveeranam (11).
428 Agaram (57).
429 Kidarankulam (63).
430 Arunachalapuram (37).
431 Nettur (69).
432 Kasilurathan (23).
433 Alangulam (94).
434 Natham (35).
435 Rajagopalperi (63).
436 Poigai (19).*

Ambasamudram taluk.

- 437 Kadayam (9).†
438 Kilakadayam (2).
439 Madavaram (1).
440 Mudaliarpatti (16).
441 Perambathur. (1).
442 Pottalpudur (15).
443 Puthugudi (38).
444 Ariyanayagapuram (38).
445 Kallidaikurichi (72).†
446 Karaikurichi (75).
447 Mukkudal (36).
448 Mundanthurai (100).
449 Papanasam (38).
450 Pattamadai (82).
451 Pirancheri (75).
452 Cheranamadevi (77).
453 Vanniyankulam (39).
454 Veeravanallur (51).
455 Velludai (10).
456 Vikramasingapuram (55).†
457 Alwarkurichi (25).
458 Ambur (25, 40).
459 Athalainallur (41).

TIRUNELVELI DISTRICT—cont.

Ambasamudram taluk—cont.

- 460 Brahmadesam (64).
461 Gurumalpuram (56).
462 Harikesavanallur (53).
463 Kuniyur (76).
464 Manaparanallur (54).
465 Mannarkottai (62).
466 Melacheval (85).
467 Mudiappapuram.
468 Mathapuram.
469 Seenlapuram (51).
470 Serankollipatti (94).
471 Vagankulam (68).
472 Thirupudaimaruthur (3).
473 Vellangudi (67).
474 Kodarankulam.
475 Ukkad (66).
476 Singampatti (88, 89).
477 Gopalasamudram (84).
478 Adakkal (31).
479 Pappanallur (29).
480 Chinnappanayankulam.
481 Ambasamudram (65).†
482 Rengasamudram (32).
483 Sattupattu (16).
484 Singanpathur.
485 Servaikarampatti.
486 Kadayannallur.†
487 Desamanickam (70).
488 Nariankulam (71).
489 Keelaseval (85).
490 Pananjadi (31).
491 Karuthapillaiyer (23).
492 Namachivayapuram (13).
493 Vallikulam (25).
494 Papakudi (19).
495 Therukumadathur (3).
496 Valudoor (32).
497 Sengulam (33).
498 Sivanandanoor (92).
499 Chellapillayarkulam.*
500 Ananjaperumalandanoor (14).
501 Pandarakulam (4).
502 Theetharappapuram (4).
503 Sankaralingapuram (3).
504 Chekkadiyur.
(H.O. Keelakkiyam) (3).
505 Muppaliyur.
(H.O. Therukumadathur) (3).
506 Pungampatti.
(H.O. Therukumadathur) (3).*

Tirunelveli taluk.

- 507 Gangaikondam (21).
508 Thalaiyuthu (20).
509 Ramayampatti (31).
510 Vahaikulam (87).

Sankarankoil taluk.

- 511 Sankaranayinarkoil (78).
512 Poliyankulam (41).
513 Kalugumalai (60).†
514 Chatramkudiyuruppu.
515 Pullankudi (86).
516 Naluvankottai (78).
517 North Kuruvikulam (89).
518 South Kuruvikulam (81).
519 Ramalingapuram (82).
520 Anthipatti (33).
521 Vasudevanallur (42).†
522 Koelalanthalai (110).
523 Naickenpatti (110).
524 Melanalanthalai (110).
525 Pazhamcottai (104).
526 Vadakupatti (55).
527 Pitchaithalavanpatti (56).
528 Vahaikulam (79).
529 Chinnavahaikulam (78).
530 Kallikulam (69).
531 Kuruvajukulam (53).
532 Ganapathipatti (53).
533 Pillayanatham (10).*

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government
Electricity Department as at the end of 1955-56—cont.

PAPANASAM ELECTRICITY SYSTEM—cont.

TIRUNELVELI DISTRICT—cont.

Sankarankoil taluk—cont.

- 534 Nagaram (73).
535 Perumbathur (48).
536 Manalur (49).
537 Karivalmvanthannallur (101).
538 Keelanchethanallur (101).
539 Venkatachalapuram (59).
540 Mahendravadi (104).
541 Rengasamudram (11).
542 Rayappapuram (103).
543 Pudur (13).
544 Pudukulam (214).
545 Avudhapuram (120).

Nanguneri taluk.

- 546 Kalakad (23).
547 Pathai (18).
548 Sudalayankulam.
549 Sivalaperi (Chidambaram) (24).
550 Vadamaalasamudram.
551 Padalayarkulam (25).
552 Kilakaruvellangulam.
553 Melakaruvellangulam.†
554 Nanguneri (33, 34).
555 Nambinagar and Sankaranagar (69).
556 Pullyakurichi (59).
557 Sengalakurichi (69).
558 Eruvadi (55).
559 Sivagangapuram (3).
560 Therkunanguni (41).
561 Mugalkurichi (69).
562 Vadakucchi Medil (61).
563 Theilapathyamudram (57).
564 Rajakulam (58).
565 Thiruvankulam (53).
566 Thirukarankudi (57).

TIRUNELVELI DISTRICT—cont.

Nanguneri taluk—cont.

- 567 Nambithalavattipatti (53).
568 Kavandani (70).
569 Panagudi (67).
570 Vadakku Vallioor (22).
571 Radhapuram (24).
572 Vadakkankulam (46).
573 Palavoor (105).
574 Avankulam (43-A).
575 Ambalavanapuram (43).

Tiruchendur taluk.

- 576 Alwarthirunagari (3).
577 Alagimannavalapuram (5).
578 Sattankulam (69).
579 Tiruchendur (45).
580 Thenthirupeti (7).
581 Nazareth (24).
582 Prakasapuram (9).
583 Mukuperi (9).
584 Kurumbur (hamlet of Augamangalam) (28) Nanguneri (22).
585 Alanthalai (16).
586 Kuyalvatnam (39).
587 Nanguneri (37).
588 Arumuganeri (37).
589 Udankudi (74).
590 Chettipatti (44).
591 Chettipatti.
592 Kumarasamyapuram (47).
593 Manadu-Thondupatti (64).
594 Sivanthanthur (39).
595 Pichanartope.*
596 Perumpathur.*
597 Kollipatti.*
598 Pudukudi (56).

MADRAS ELECTRICITY SYSTEM.

- 1 Madras City including Saidapet, Little Mount and Gindry.
2 Madras City area comprising the Sembiam Panchayat Board.

MADRAS CORPORATION.

- 3 Kodambakkam
4 Sembiam
5 Vyasarpadi

CHINGLEPUT DISTRICT.

Ponneri taluk.

- 6 Aladu (272).
7 Alinjivakkam (305).
8 Andarkuppam (314).
9 Angadu (362).
10 Arani (241).
11 Athur (347).
12 Bandikavannur (304).
13 Chinna Kavanam.*
14 Chinnambadu (245).
15 Devadanam (329).
16 Ennore (345).
17 Kodur (268).
18 Krishnapuram (269).
19 Kunnamangalam.
20 Minjur (340).
21 Nallur (353).
22 Kommanapalayam H/O. Nallur.
23 Nayar (379).
24 Nekkundram.*
25 Nollambur.*
26 Orakadu (361).
27 Panjetti (302).
28 Periakavannam.*
29 Ponneri (264).
30 Puduvoval (253).
31 Puludivakkam (346).

CHINGLEPUT DISTRICT—cont.

Ponneri taluk—cont.

- 32 Pudukkuppam.*
33 Ponnammannemdu.*
34 Sayalapuram (306).
35 Sholavaram (354).
36 Sirumoni (384).
37 Sivapuram (273).
38 Sottuparambedu (356).
39 Thiruvayorpadi.
40 Thiruvengadapuram (370).
41 Vadakkam.*

(Village near Nollambur).

- 42 Vellakulam.*
43 Vembakkam (271).

Saidapet taluk.

- 44 Adalayampattu (74).
45 Agaram (South Division) (151).
46 Alandur (96).†
47 Ambattur (61).
48 Prithivipakkam.
(Near Ambattur).
49 Thirumullavoyal.
(Near Ambattur).
50 Mangalapuram.*
H.O. Ambattur.
51 Padi.*
H.O. Ambattur.
52 Kuppam.*
H.O. Ambattur.
53 Anakkaputhur (102).
54 Ariyanallur (41).
55 Athipatti (66).
56 Avadi.
57 Ayanambakkam (70).

* Electrified during the year. † Towns. ‡ Taken over from the licensee during the year. H.O. = Hamlet of.
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APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

MADRAS ELECTRICITY SYSTEM—cont.

CHINGLEPUT DISTRICT—cont.

Saidapet taluk—cont.

- 58 Chettiaragaram (85).
- 59 Chittalapakkam (156).
- 60 Ikkaduthankal.
- 61 Irumbuliyur.
- 62 Jagarampet.
- 63 Karalapakkam * (44).
- 64 Keelakattalai * (121).
- 65 Kodungaiyur (41).
- 66 Koladi * (69).
- 67 Korattur * (62).
- 68 Koyambedu * (79).
- 69 Maduravoyal (80).
- 70 Madurivedu.
- 71 Madanantthapuram.
- 72 Madhavaram (241).
- 73 Malayambakkam (63).
- 74 Manapakkam (80).
- 75 Manganathur (105).
- 76 Meenambakkam (104).
- 77 Moovarasambattu * (108).
- 78 Naduvankarai.
- 79 Nanganallur.
- 80 Nanmangalam * (129).
- 81 Naravayi Kupam * (13).
- 82 Nekkundrum (77).
- 83 Noombak (Oddipalayam) (83).
- 84 Pallavaram † (113).
- 85 Palavayal * (4).
- 86 Pallikuppam.
- 87 Panimal (144).
- 88 Perumalagaram * (71).
- 89 Perungalathur (141).
- 90 Periakudal.
- 91 Pongeswaram (43).
- 92 Polichalur (101).
- 93 Porur (89).
- 94 Karambakkam
(Hamlet near Porur).
- 95 Polal * (31).
- 96 Rajakilbakkam (136).
- 97 Ramapuram (91).
- 98 Red Hills (28).
- 99 Moolakadai
(Hamlet near Red Hills).
- 100 Rendankattalai (94).
- 101 Ruedrakottai.
- 102 Selaiyur (133).
- 103 Santhoshapuram
(Hamlet near Selaiyur).
- 104 Sembakkam (135).
- 105 St. Thomas Mount † (95).
- 106 Nagaimeni
(Hamlet near St. Thomas Mount).
- 107 Tambaram † (131).
- 108 Chromepet
(Village near Tambaram).
- 109 Collanchavadi
(Hamlet near Tambaram).
- 110 Kadaperi
(Hamlet near Tambaram).
- 111 Mudichur
(Hamlet near Tambaram).
- 112 Tandalam (34).
- 113 Talakancheri (107).
- 114 Tirumangalam (75).
- 115 Thirunneermalai (124).
- 116 Thirthagurampet.
- 117 Thiruvonmiyur (110).
- 118 Thiruvotiyur † (33).
- 119 Ullagaram (106).
- 120 Vadaperumbakkam * (19).
- 121 Valasaravakkam (90).
- 122 Vanagaram (51).
- 123 Varadarajapuram (North Division) (12).
- 124 Velappanchavadi.
- 125 Villivakkam † (63).
- 126 Virugambakkam (86).

Sriperumbudur taluk.

- 127 Agaram Mel (50).
- 128 Alapakkam.
- 129 Ayyappanthangal (55).
- 130 Banaveduthottam (37).
- 131 Chembarambakkam (62).

- 132 Cherikadu.
- 133 Chinnappancheri * (54).
- 134 Chittikadu * (13).
- 135 Goparasanallur (44).
- 136 Helanapuram (Nehrunagar) (130).
- 137 Gurgambakkam * (78).
- 138 Kattupakkam (200).
- 139 Kavalcheri * (25).
- 140 Kammarapalayam.
- 141 Kilmanambedu (32).
- 142 Kolapakkam (81).
- 143 Kolathuvancheri * (56).
- 144 Kosavanpalayam.
- 145 Kothambakkam.
- 146 Kovur (79).
- 147 Kunnathur † (91).
- 148 Kollacheri (Hamlet near Kunnathur).
- 149 Mananjeri (Hamlet near Kunnathur).
- 150 Mooranthattalai (Hamlet near Kunnathur).
- 151 Thirunageswaram (Hamlet near Kunnathur).
- 152 Venkatapuram (Hamlet near Kunnathur).
- 153 Settiarpet (Hamlet near Kunnathur).
- 154 Kutlambakkam * (39).
- 155 Kupam.
- 156 Madambakkam (199).
- 157 Manapakkam * (80).
- 158 Mangadu.
- 159 Mahimangalam.
- 160 Melmanambedu * (24).
- 161 Meppur (51).
- 162 Mugalivakkam (70).
- 163 Narasingapuram * (30).
- 164 Nazarethpet (46).
- 165 Nemam * (22).
- 166 Nochiamedu.
- 167 Palanthandalam * (106).
- 168 Paraniyuthur * (53).
- 169 Poosivakkam (36).
- 170 Periapancheri.
- 171 Pidarithangal (38).
- 172 Poonamallee † (47).
- 173 Madavilagam (Hamlet near Poonamallee).
- 174 Sennirkuppam (Hamlet near Poonamallee).
- 175 Sriperumbudur † (103).
- 176 Sundarabholavaram * (21).
- 177 Tandalam * (65).
- 178 Thilliarigaram (57).
- 179 Tinnanur * (1).
- 180 Thirumanam * (16).
- 181 Thirumizhi (33).
- 182 Priyambathur H.O. Tirumizhi.
- 183 Udayavarkoil H.O. Tirumizhi.
- 184 Nedunjeri H.O. Tirumizhi.
- 185 Tirumudiyakkam * (108).
- 186 Tiruverkadu * (28).
- 187 Varadarajapuram (South Division).
- 188 Vellavadu * (29).

Tiruvallur taluk.

- 189 Agigathur * (308).
- 190 Agaram (302).
- 191 Anandarai * (88).
- 192 Aravoyal * (313).
- 193 Arumbakkam (223).
- 194 Attupakkam * (280).
- 195 Boochi Athipattu.
- 196 Dawoodkhanpet.
- 197 Eddapalayam.
- 198 Egathur * (308).
- 199 Ikkadu (265).
- 200 Ikkadu Thangai (H/O. Ikkadu).
- 201 Chinna Ikkadu (H/O. Ikkadu).
- 202 Iyeliagaram (H/O. Ikkadu).
- 203 Kadambathur (253).
- 204 Kaivandoor * (260).
- 205 Kalyanikuppam (265).
- 206 Kakkalur * (287).
- 207 Karani (60).
- 208 Karikilavakkam * (215).
- 209 Kavanthalathur (320).
- 210 Kilambakkam * (271).
- 211 Kilanur * (243).
- 212 Kondancheri * (331).
- 213 Manjankarani * (239).

CHINGLEPUT DISTRICT—cont.

Sriperumbudur taluk—cont.

APPENDIX H-1—cont.

List of villages and townships supplied with electrical energy by the Government Electricity Department as at the end of 1955-56—cont.

MADRAS ELECTRICITY SYSTEM—cont.

CHINGLEPUT DISTRICT—cont.

Tiruvallur taluk—cont.

- 214 Nemiliagaram (279).
- 215 Ondikuppam.
- 216 Palliamkuppam (284).
- 217 Pattam laikuppam.
- 218 Pattarai Perumbudur (256).
- 219 Parithivakkam * (89).
- 220 Periakuppam.
- 221 Perathur * (246).
- 222 Perambakkam (318).
- 223 Pinjivakkam * (324).
- 224 Pinnapakkam.
- 225 Poondi (193).
- 226 Pondaikam * (83).
- 227 Prianikuppam (285).
- 228 Poomavilangal (303).
- 229 Pungathur.
- 230 Sattarai * (321).
- 231 Selai (286).
- 232 Senji * (301).
- 233 Senvaram * (300).
- 234 Siruvannur * (264).
- 235 Sitambakkam.
- 236 Sridevikuppam (386).
- 237 Sriivasapuram (70).
- 238 Thandalam * (163).
- 239 Thalakancheri * (267).
- 240 Thozhur.
- 241 Tannirkulam.
- 242 Tirupachur.
- 243 Tirur.
- 244 Tiruvallur † (226).
- 245 Uthukottai * (56).
- 246 Vengathur (312).
- 247 Velliyur.
- 248 Venkatapuram (107).
- 249 Venmanapuram.
- 250 Vidaiyur * (297).

Kancheepuram taluk.

- 251 Ariyaperumbakkam * (39).
- 252 Ayyampettai (159).
- 253 Damal (37).
- 254 Elankuppam (157).
- 255 Injambakkam * (31).
- 256 Kalyanor (9).
- 257 Vayavoor (Hamlet near Kalyanor).
- 258 Kammarapalayam.
- 259 Kanchipuram † (City tract No. 15).
- 260 Baluchetti Chatram (Part of Kancheepuram).
- 261 Panjupet (Part of Kancheepuram).
- 262 Karai * (44).
- 263 Katturakkam (129).
- 264 Kavinthandalam * (214).
- 265 Kesavanallur.
- 266 Kilambi (55).
- 267 Kilkadipur * (77).
- 268 Kolathivakkam (164).
- 269 K. verikuppam (85).
- 270 Melambal (54).
- 271 Melathivakkam (72).
- 272 Manampathi.
- 273 Muthalpet (155).
- 274 Mettuvakkam * (26).
- 275 Nazarethpettai (120).
- 276 Nathapet (Village near Nazarethpettai).
- 277 Netteri (70).
- 278 Othikadu (241).
- 279 Palayaseevaram (193).
- 280 Perumagar * (265).
- 281 Puliyambakkam (145).
- 282 Seeyamangalam * (162).
- 283 Senduvell (82).
- 284 Sevilmedu (147).
- 285 Vithuvakkam * (H/O. Sevilmedu).
- 286 Sirukaveripakkam (78).

CHINGLEPUT DISTRICT—cont.

Kancheepuram taluk—cont.

- 287 Sinneiperugai * (38).
- 288 Tangal * (161).
- 289 Tennambakkam (153).
- 290 Thimmarajanpet * (165).
- 291 Thimmasamudram (79).
- 292 Tiruparkuli (53).
- 293 Thulokanthandalam * (40).
- 294 Uthiramerur * (294).
- 295 Vedai * (50).
- 296 Vengudi (163).
- 297 Wallajabad † (166).
- 298 Poosivakkam (H/O. Wallajabad).
- 299 Vellapakkam (H/O. Wallajabad).

Chingleput taluk.

- 300 Guduvancheri * (10).
- 301 Keerapakkam (155).
- 302 Kilavenu.
- 303 Kolathancheri.
- 304 Kongaancheri.
- 305 Kothmangalam * (185).
- 306 Mahabalipuram (165).
- 307 Manapakkam * (166).
- 308 Mangalam (182).
- 309 Manivakkam.
- 310 Melmanapakkam (Near Chingleput, Non-City Urban Tract No. 28).
- 311 Muthanallakuppam.
- 312 Nemili (147).
- 313 Ozhur * (142).
- 314 Oragadam * (156).
- 315 Pallandikuppam.
- 316 Palur (62).
- 317 Panambakkam.
- 318 Puhkudram.
- 319 Puliyur * (193).
- 320 Solathargal.
- 321 Tirukalkundram † (180).
- 322 Vandalar * (2).
- 323 Villambakkam (68).
- 324 Athur † (84).
- 325 Athurkuppam † (H/O. Athur).
- 326 Thimmaravaram † (H/O. Athur).
- 327 Vadapathi † (H/O. Athur).
- 328 Chingleput †.
- 329 Edayarkudu †.
- 330 Gundur †.
- 331 Hanumanthaputheri †.
- 332 Melmaiyyur † (114).
- 333 Natham †.
- 334 Reddingaiyur † (H/O. Palur).
- 335 Thirumathi † (143).
- 336 Venbakkam † (138).

Madurantakam taluk.

- 337 Arungundram * (86).
- 338 Athiyur * (2).
- 339 Budur * (69).
- 340 Cheyyar * (312).
- 341 Isur * (327).
- 342 Kadaperi * (295).
- 343 Karunguli.
- 344 Madurantakam *.
- 345 Mamandur * (8).
- 346 Mambakam * (78).
- 347 Melavalam.
- 348 Meyyur * (5).
- 349 Nerampur * (254).
- 350 Nugumbal * (302).
- 351 Pericheri * (Village near Arungundram).
- 352 Sengathur * (267).
- 353 Thettanaval * (66).
- 354 Vadapathi * (Village near Mamandur).
- 355 Vilangadu * (19).

* Electrified during the year. † Towns. ‡ Taken over from the licensee during the year. H/O = Hamlet of.

NOTE.—Number within brackets indicates code number of the village as per Census Book, 1951.

* Electrified during the year. † Towns. H/O. = Hamlet of.

NOTE.—Number within brackets indicates Code number of the village as per Census Book, 1951.

APPENDIX H.2.

List of villages and townships supplied by licensees undertakings as at the end of 1954-55 and also electrified during the year 1955-56.

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)
1 Sri Brahmasvidyam-bal Electric Supply Corporation, Limited, Ramachandrapuram. (To end of 1954-56.)	1	Tiruchirappalli.	Tirunayam	..	Tirunayam	37	Tirunayam.
	2	Do.	Do.	..	..	38	Panangudi.
	3	Do.	Do.	..	Haridayapuram	39	Kottayur.
	4	Do.	Do.	..	Kannangudiipatti	36	Unaiyur.
	5	Do.	Do.	..	Kayavaram	42	Sengirai.
	6	Do.	Do.	..	Annalam	49	Arimalam.
	7	Do.	Do.	..	Konapet ..	33	Konapet.
	8	Do.	Do.	..	K. Palivasal	..	Do.
	9	Do.	Do.	..	Meyyapuram	..	..
	10	Do.	Do.	..	P. Alagapuri.	34	Pilliamangalam.
	11	Do.	Do.	..	Namanasamudram	82	Thekkathur (Sengeral Firka).
(During 1955-56.)	12	Coimbatore	Coimbatore	..	Nil.	..	..
2 Coimbatore. (To end of 1954-55.)	13	North Malabar.	Chirakkal	..	Nil.	..	..
(During 1955-56.)	14	Do.	Do.	..	Pappinisseri	219	Pappinisseri.
3 Cannanore-Tellicherry. (To end of 1954-56.)	15	Do.	Do.	..	Baliapatam	37	Baliapatam.
	16	Do.	Do.	..	Chirakkal	35	Chirakkal.
	17	Do.	Do.	..	Pallikunnu	239	Pallikunnu.
	18	Do.	Do.	..	Kakkat	73	Kakkat.
	19	Do.	Do.	..	Chovva	42	Chovva.
	20	Do.	Do.	..	Mundayad	45	Mundayad.
	21	Do.	Do.	..	Kizhuthally	44	Kizhuthally.
	22	Do.	Do.	..	Thottada	62	Thottada.
	23	Do.	Do.	..	Kuttikakam	61	Kuttikakam.
	24	Do.	Do.	..	Ptakkat	59	Ptakkat.
	25	Do.	Do.	..	Azhikkal	10	Azhikkal.
	26	Do.	Kottayam	..	..	..	..

27	Do.	..	Do.	..	Dharmadam	10	Dharmadam.
28	Do.	..	Do.	..	Erinjoly	13	Erinjoly.
29	Do.	..	Chirakkal	..	Chalat	238	Chalat.
30	Do.	..	Do.	..	Pulady	36	Pulady.
31	Do.	..	Do.	..	Azhikode	4	Azhikode.
32	Do.	..	Kottayam	..	Vayalalam	29	Vayalalam.
33	Do.	..	Do.	..	Kodiyeri	..	Kodiyeri.
34	Do.	..	Do.	..	Kallayi	191	Kallayi.
35	Do.	..	Do.	..	Olavilam	197	Olavilam.
36	Tanjore	..	Sirkali	..	Anakavanchattam	8	Thirunailadi.
37	Do.	..	Do.	..	Achalapuram	13	Achalapuram.
38	Do.	..	Do.	..	Saraswathivilagam	27	Inam Saraswathivilagam.
39	Do.	..	Do.	..	Vilandisamudram	48	Vilandisamudram.
40	Do.	..	Do.	..	Thadalancoil	59	Thadalancoil.
41	Do.	..	Do.	..	Iveli	60	Sirkali town.
42	Do.	..	Do.	..	Sirkali	60	Sirkali town.
43	Do.	..	Do.	..	Vaitheeswaran-koil.	76	Vaitheeswarancoil town.
44	Do.	..	Do.	..	Kathiramanangalam	89	Kathiramanangalam.
45	Do.	..	Mayuram	..	Anathandavapuram	23	Anathandavapuram.
46	Do.	..	Do.	..	Nidur	26	Nidur.
47	Do.	..	Thirumananjeri.	..	Thirumananjeri	33	Thirumananjeri.
48	Do.	..	Mayuram	..	Kuttalam	35	Kuttalam town.
49	Do.	..	Do.	..	Anjaravathalai	42	Kshetrapalapuram.
50	Do.	..	Do.	..	Arayapuram	43	Kadalangudi.
51	Do.	..	Do.	..	Kadalangudi	44	Vanadhirajapuram.
52	Do.	..	Do.	..	Vanadhirajapuram	47	Pandaravada.
53	Do.	..	Do.	..	Kappadugai	47	Mappadingai.
54	Do.	..	Do.	..	..	48	Mayuram.
55	Do.	..	Do.	..	Pallavarayapet	49	Arumulithevan.
56	Do.	..	Do.	..	Ambanathapuram	61	Moovaiyur.
57	Do.	..	Do.	..	Moovaiyur	53	Thiruvilandur.
58	Do.	..	Do.	..	Thiruvilandur	56	Sithakkadu.
59	Do.	..	Do.	..	Sithakkadu	57	Molaiyur.
60	Do.	..	Do.	..	Molaiyur	72	Sembanarkoil.
61	Do.	..	Do.	..	Sholachakranallur	73	Arupadi.
62	Do.	..	Do.	..	Sembanarkoil	77	Nallathakudi.
63	Do.	..	Do.	..	Arupadi	79	Elavatur.
64	Do.	..	Do.	..	Nallathakudi	80	Thirukkadaiyur.
65	Do.	..	Do.	..	Vadagarai (Arangudi)	82	Akkur.
66	Do.	..	Do.	..	Thirukkadaiyur	..	..
67	Do.	..	Do.	..	Akkur	..	..

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
4 East Tanjore, (To end of 1954-55)—cont.	68	Tanjore	Mayuram	Porayar	Parasalur	85	Parasalur.
	69	Do.	Do.	Do.	Porayar	89	Porayar.
	70	Do.	Do.	Do.	Tranquebar	94	Kalahasthinapuram.
	71	Do.	Do.	Do.	Erukattancheri	112	Kaliappanallur.
	72	Do.	Do.	Do.	Kalahasthinapuram	115	Arivalur.
	73	Do.	Do.	Do.	Kaliappanallur	123	Tholudalangudi.
	74	Do.	Do.	Do.	Arivalur	124	Inam Thulejendrapuram.
	75	Do.	Do.	Do.	Tholudalangudi	125	Perumalkoil and Melaiyur.
	76	Do.	Do.	Do.	Elanthavagudi	126	Komal (East).
	77	Do.	Do.	Do.	Perumalkoil	131	Konerirajapuram.
	78	Do.	Do.	Do.	Therizhandur	136	Manganallur.
	79	Do.	Do.	Do.	Keelaiyur	147	Palayur.
	80	Do.	Do.	Do.	Komal	148	Kothangudi.
	81	Do.	Do.	Do.	Konerirajapuram	151	Vallam town.
	82	Do.	Do.	Do.	Manganallur	159	Kottiyur.
	83	Do.	Do.	Do.	Palayur	1	Pillur.
	84	Do.	Do.	Do.	Kothangudi	2	Keeranur.
	85	Do.	Tanjore	Vallam	Vallam	9	Kaduvankudi.
	86	Do.	Do.	Do.	Kottiyur	12	Vayalur.
	87	Do.	Nannilam	Do.	Kumaramangalam	14	Inam Vadamattan.
	88	Do.	Do.	Do.	Keeranur	17	Sarabojarajapuram.
	89	Do.	Do.	Do.	Kollumangudi	24	Peralam.
	90	Do.	Do.	Do.	Kilavayalur	30	Thiruveelimalalai.
	91	Do.	Do.	Do.	Vadamattan	38	Vishnupuram.
	92	Do.	Do.	Do.	Vadugugudi	40	Marudavancheri.
	93	Do.	Do.	Do.	Kadaganbadi	41	Kuthanur.
	94	Do.	Do.	Do.	Peralam	42	Agasthirumalam.
	95	Do.	Do.	Do.	Thiruveelimalalai	50	Manavalanallur.
	96	Do.	Do.	Do.	Vishnupuram		
	97	Do.	Do.	Do.	Marudavancheri		
	98	Do.	Do.	Do.	Kuthanur		
	99	Do.	Do.	Do.	Poonthottam		
	100	Do.	Do.	Do.	Manavalanallur		
	101	Do.	Do.	Do.	Tediyur		

102	Do.	Do.	Do.	Do.	Koithirumalam	56	Koithirumalam.
103	Do.	Do.	Do.	Do.	Achuthamangalam	63	Achuthamangalam.
104	Do.	Do.	Do.	Do.	Nannilam	65	Nannilam town.
105	Do.	Do.	Do.	Do.	Mappilai-kuppam	66	Manavalampettai.
106	Do.	Do.	Do.	Do.	Manavalampettai	67	Nallam ngudi.
107	Do.	Do.	Do.	Do.	Nallamangudi	68	Sanna'allur.
108	Do.	Do.	Do.	Do.	Sannanallur	69	Mudikondan.
109	Do.	Do.	Do.	Do.	Mudikondan	70	Puthagaram.
110	Do.	Do.	Do.	Do.	Puthagaram	71	Enangudi.
111	Do.	Do.	Do.	Do.	Enangudi	72	Thirupugalur.
112	Do.	Do.	Do.	Do.	Thirupugalur	89	Adalayur.
113	Do.	Do.	Do.	Do.	Adalayur	92	Thirukkanapuram.
114	Do.	Do.	Do.	Do.	Thirukkanapuram	94	Thiruvannamalai.
115	Do.	Do.	Do.	Do.	Thiruvannamalai	96	Kattamavadi.
116	Do.	Do.	Do.	Do.	Pragaram	100	Serukalathur.
117	Do.	Do.	Do.	Do.	Serukalathur	108	Anaikuppam.
118	Do.	Do.	Do.	Do.	Anaikuppam	115	Marungur.
119	Do.	Do.	Do.	Do.	Marungur	117	Thittacheri.
120	Do.	Do.	Do.	Do.	Kodavasal	122	Sengalipuram.
121	Do.	Do.	Do.	Do.	Thittacheri	129	Kuvalaikai.
122	Do.	Do.	Do.	Do.	Sengalipuram	131	Virkudi.
123	Do.	Do.	Do.	Do.	Kuvalaikai	142	Melapalayur.
124	Do.	Do.	Do.	Do.	Virkudi	148	Perumpannayur.
125	Do.	Do.	Do.	Do.	Vettar	150	Senmankudi.
126	Do.	Do.	Do.	Do.	Melapalayur	152	Moolankudi.
127	Do.	Do.	Do.	Do.	Perumpannayur	155	Valkudi.
128	Do.	Do.	Do.	Do.	Senmankudi	160	Elayur.
129	Do.	Do.	Do.	Do.	Moolankudi	161	Uthirankudi.
130	Do.	Do.	Do.	Do.	Valkudi	166	Kappanamangalam.
131	Do.	Do.	Do.	Do.	Elayur	167	Arasavanangadu.
132	Do.	Do.	Do.	Do.	Uthirankudi	168	Manakkal.
133	Do.	Do.	Do.	Do.	Kappanamangalam	174	Kangalancheri.
134	Do.	Do.	Do.	Do.	Arasavanangadu	175	Thirukalambar.
135	Do.	Do.	Do.	Do.	Ayyampet	176	Sellur.
136	Do.	Do.	Do.	Do.	Kangalancheri	182	Ammayappan.
137	Do.	Do.	Do.	Do.	Thirukalambar	183	Thirukkanamangai.
138	Do.	Do.	Do.	Do.	Sellur	184	Kattur.
139	Do.	Do.	Do.	Do.	Ammayappan	186	Vandanpalai.
140	Do.	Do.	Do.	Do.	Karuppur	188	Elavangarakudi.
141	Do.	Do.	Do.	Do.	Thirukkanamangai		Perumalagaram.
142	Do.	Do.	Do.	Do.	Kattur		
143	Do.	Do.	Do.	Do.	Vandanpalai		
144	Do.	Do.	Do.	Do.	Pavithramanickam		
145	Do.	Do.	Do.	Do.	Perumalagaram		

APPENDIX H.2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
4 East Tanjore. (To end of 1954-55)— <i>cont.</i>	146	Tanjore	Nannilam	..	Koradsheri	199	Kalathur.
	147	Do.	Do.	..	Athikadai	200	Thiruvudavasal.
	148	Do.	Do.	..	Kulikarai	..	..
	149	Do.	Do.	..	Perunthuraikudi	206	Kulikarai.
	150	Do.	Do.	..	Inampiliyur	207	Inampiliyur.
	151	Do.	Do.	..	Devarkandanallur	208	Devarkandanallur.
	152	Do.	Do.	..	Kamalapuram	211	Kamalapuram.
	153	Do.	Do.	..	Ervancheri	116	Ervancheri.
	154	Do.	Mannargudi	Nidamangalam town.	Nidamangalam	7	Nidamangalam town.
	155	Do.	Do.	..	Poovanur	17	Poovanur.
	156	Do.	Do.	..	Rajapayyanahavadi	..	..
	157	Do.	Do.	..	Perambur	24	Perambur.
	158	Do.	Do.	..	Melavasal	29	Melavasal.
	159	Do.	Do.	..	Pothakkudi	..	..
	160	Do.	Do.	..	Boodhamangalam	44	Pothakkudi.
	161	Do.	Do.	..	Velukudi	46	Velukudi.
	162	Do.	Do.	..	Moolangudi	47	Bharathi Panchayat.
	163	Do.	Do.	Kuthanallur town.	Kuthanallur	50	Kuthanallur town.
	164	Do.	Do.	..	Lakshmanangudi	..	..
	165	Do.	Do.	..	Vadapathimangalam	53	Vadapathimangalam.
	166	Do.	Do.	..	Karnavur	55	Karnavur.
	167	Do.	Do.	..	Alacheri	..	..
	168	Do.	Do.	Mannargudi town.	Mannargudi	64	Mannargudi town.
	169	Do.	Do.	..	Pamini	..	..
	170	Do.	Do.	..	Maligaimeda	..	..
	171	Do.	Do.	..	Chitrayur	76	Chitrayur.
	172	Do.	Do.	..	Athikottai	86	Athikottai.
	173	Do.	Do.	..	Sundarakottai	113	Sundarakottai.
	174	Do.	Do.	..	Uthukottai	127	Uthukottai.
	175	Do.	Do.	..	Paravakottai	131	Paravakottai.
	176	Do.	Do.	..	Srivanchiyam	84	Srivanchiyam.

177	Do.	..	Do.	..	Thirukandeeswaram	87	Thirukandeeswaram.
178	Do.	..	Do.	..	Sithamalli	162	Sithamalli.
179	Do.	..	Do.	..	Kummatittidal	165	Kummatittidal.
180	Do.	..	Do.	..	..	..	..
181	Do.	..	Do.	..	Kodakalpalayam	31	Tiruvapur South Sethi.
182	Do.	..	Do.	..	Vijayapuram	30	Vijayapuram.
183	Do.	..	Do.	..	Sundaravilagam	32	Sundaravilagam.
184	Do.	..	Do.	..	Kakkurai	34	Ramagaye.
185	Do.	..	Do.	..	Marudampatnam	35	Palavanakkudi.
186	Do.	..	Do.	..	Pulivalam	61	Pulivalam.
187	Do.	..	Do.	..	Alivalam	62	Alivalam.
188	Do.	..	Do.	..	Anaivadapathi	86	Andanapettai.
189	Do.	..	Do.	..	Kudur	93	Kudur.
190	Do.	..	Do.	..	Olani	..	..
191	Do.	..	Do.	..	Thoppalampuliur	94	Thoppalampuliur.
192	Do.	..	Do.	..	Mangudi	104	Mangudi.
193	Do.	..	Do.	..	Thennavarayanallur	..	..
194	Do.	..	Do.	..	Alangudi	116	Alangudi.
195	Do.	..	Do.	..	Kunniyur	142	Kunniyur.
196	Do.	..	Do.	..	Mavoor	..	..
197	Do.	..	Do.	..	Koilkannapur	144	Koilkannapur.
198	Do.	..	Do.	..	Pinnavasal	159	Pinnavasal.
199	Do.	..	Do.	..	Thirukkaravasal	160	Thirukkaravasal.
200	Do.	..	Do.	..	Adamangalam	161	Adamangalam.
201	Do.	..	Do.	..	Pudur	172	Pudur.
202	Do.	..	Do.	..	Thirunellikkaval	..	..
203	Do.	..	Do.	..	Valivalam	173	Valivalam.
204	Do.	..	Do.	..	Kodiyalathur	174	Thirukkuvalai.
205	Do.	..	Do.	..	Thirukkuvalai	182	Ettugudi.
206	Do.	..	Do.	..	Ettugudi	32	Kovilur.
207	Do.	..	Do.	..	Kovilur	49	Vadasari.
208	Do.	..	Do.	..	Vadasari	58	Avikottai.
209	Do.	..	Do.	..	Kilakurichi	68	Kilakurichi.
210	Do.	..	Do.	..	Old Madukkur	114	Madukkur North.
211	Do.	..	Do.	..	Madukkur	115	Madukkur South.
212	Do.	..	Do.	..	Natuchalai	143	Natuchalai.
213	Do.	..	Do.	..	..	167	..
214	Do.	..	Do.	..	Pattukkottai	187	Annaikadu.
215	Do.	..	Do.	..	..	188	Thuvanakurichi.
216	Do.	..	Do.	..	Adirampatti-nam.	..	..
217	Do.	..	Do.	..	..	..	..
218	Do.	..	Do.	..	Thiruthangoor	2	Thiruthangoor.
219	Do.	..	Do.	..	Thirunellikkaval	..	..

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
4 East Tanjore. (To end of 1954-55.) —cont.	220	Tanjore	Tiruthurai-pundi.	..	Kolapadu ..	4	Kolapadu.
	221	Do.	Do.	..	Apparakudi ..	11	Kachanam.
	222	Do.	Do.	..	Alathambadi ..	16	Alathambadi.
	223	Do.	Do.	..	Kothangudi ..	17	Kothangudi.
	224	Do.	Do.	..	Palayangudi ..	20	Palayangudi.
	225	Do.	Do.	..	Manali ..	33	Manali.
	226	Do.	Do.	..	Kurumbal ..	34	Manakkudi.
	227	Do.	Do.	..	Manakkudi ..	40	Thalanayar.
	228	Do.	Do.	..	Thalanayar ..	43	Velur.
	229	Do.	Do.	..	Velur ..	..	....
	230	Do.	Do.	Tiruthurai-pundi.	..	..	....
	231	Do.	Do.	..	Pamini ..	50	Pamini.
	232	Do.	Do.	..	Nedumbalam ..	56	Nedumbalam.
	233	Do.	Do.	..	Kattimodu ..	57	Kattimodu.
	234	Do.	Do.	..	Segal ..	58	Segal.
	235	Do.	Do.	..	Ariyalur ..	61	Ariyalur.
	236	Do.	Do.	..	Adirangam ..	63	Adirangam.
	237	Do.	Do.	..	Pandi ..	66	Pandi.
	238	Do.	Do.	..	Sanghandi ..	79	Sanghandi.
	239	Do.	Do.	..	Edaiyur ..	80	Edaiyur.
	240	Do.	Do.	..	Serupanaiyur ..	85	Pinnathur.
	241	Do.	Do.	..	Kunnalur ..	87	Kunnalur.
	242	Do.	Do.	..	Udhayamarthandapuram.	89	Udhayamarthandapuram.
	243	Do.	Do.	..	Nullur Works ..	95	Thagatoor.
	244	Do.	Do.	..	Vadagadu ..	99	Vadagadu.
	245	Do.	Do.	..	Alangadu ..	103	Alangadu.
	246	Do.	Do.	Muthupet ..	..	..	....
	247	Do.	Do.	Vedaranyam ..	..	..	....
	248	Do.	Do.	..	Thopputhurai.	112	Vedaranyam town.
	249	Do.	Do.	..	Jambavanodai ..	115	Jambavanodai.
	250	Do.	Do.	..	Thillaiyilagam ..	117	Thillaiyilagam.
	251	Do.	Do.	..	Voymodu ..	121	Voymodu.
	252	Do.	Do.	..	Karupambulam ..	125	Karupambulam.
	253	Do.	Do.	..	Arantangi ..	35	Arantangi.

254	Do.	Sirkali	..	..	Thulasendrapuram	9	Inam Thulasendrapuram.
255	Do.	Do.	..	..	Arasur ..	36	Arasur.
256	Do.	Do.	..	..	Poonganur ..	67	Poonganur.
257	Do.	Mayuram	..	..	Andagudi ..	50	Maharajapuram.
258	Do.	Do.	..	..	Kilianur ..	109	Kilianur.
259	Do.	Do.	..	..	Neituppal ..	135	Pandaravadai.
260	Do.	Nannilam	..	..	Vilakam ..	16	Vilakam.
261	Do.	Do.	..	..	Thiruchenkattangudi	93	Thiruchenkattangudi.
262	Do.	Do.	..	..	Erukattur ..	210	Erukattur.
263	Do.	Do.	..	..	Moongithottam ..	48	Mayuram town.
264	Do.	Thiruthurai-pundi.	..	..	Pandikottagam ..	66	Pandi.
265	Do.	Do.	..	..	Sattanathapuram	47	Athiyur.
266	Do.	Sirkali	..	..	Sankaran Pandai	164	Uthirangudi.
267	Do.	Mayuram	..	..	Tirukalacheri-Ayyappadi.	143	Tirukalcheri.
268	Do.	Do.	..	..	Adambar ..	51	Adambar.
269	Do.	Do.	..	..	Ambal ..	57	Ambal.
270	Do.	Do.	..	..	Tirumachiyur	23	Tirumachiyur.
271	Do.	Sirkali	..	..	Pakiri Thakkal	8	Thirumailadi.
272	Do.	Do.	..	..	Sennangudi	64	Sennangudi.
273	Do.	Do.	..	..	Keeranallur	65	Tirukarugavur.
274	Do.	Mayuram	..	..	Melaiyur ..	71	Melaiyur.
275	Do.	Do.	..	..	Karuvakkarakai	87	Karuvakkarakai.
276	Do.	Do.	..	..	Marudur ..	87	Do.
277	Do.	Do.	..	..	Tuppur ..	163	Tuppur.
278	Do.	Do.	..	..	Maathakudi	31	Ayyampettai.
279	Do.	Nannilam	..	..	Kottur ..	31	Do.
280	Do.	Do.	..	..	Vowalady ..	72	Tirupugalur.
281	Do.	Do.	..	..	Rajakaruppur	108	Anaikuppam.
282	Do.	Do.	..	..	Pathur ..	192	Mangudi.
283	Do.	Nagapattinam.	..	..	Kalaivasal	105	Kalyanasundarapuram.
284	Do.	Thiruthurai-pundi.	..	..	Marudur North	96	Marudur North.
285	Do.	Sirkali	..	..	Manganampet	13	Achalapuram.
286	Do.	Do.	..	..	Kutavali ..	13	Do.
287	Malabar	Kozhikode	..	..	..	24/3 I.	....
288	Do.	Do.	..	..	..	24/A. IV.	....
289	Do.	Do.	..	..	Beypore	24/144	....
290	Do.	Do.	..	..	Cheruvannore	24/145	....
291	Do.	Do.	..	..	Nalalam	24/127	....
292	Do.	Do.	..	..	Nellikode	24/128	....
293	Do.	Do.	..	..	Marikkunnu	..	....
294	Do.	Do.	..	..	Faroppadi	..	....
295	Do.	Do.	..	..	Kuthuravattam	24/124	....
			..	Nil.			

(During the year 1955-56.)

5 Kozhikode. (To end of 1954-55.)

(During the year 1955-56.)

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
6 Kumbakonam. (To end of 1954-55).	296	Tanjore	Mayuram	..	Thiruvaduthurai	41	Thiruvaduthurai.
	297	Do.	Tanjore	..	..	44	Thiruvaiyaru.
	298	Do.	Do.	..	Kalyanapuram	71	Kalyanapuram I Sethi.
	299	Do.	Do.	..	Thillaiathanam	43	Thillaiathanam.
	300	Do.	Do.	..	Royampet	48	Royampet.
	301	Do.	Do.	..	Thirupayanam	47	Thirupayanam.
	302	Do.	Papanasam.	..	Kandiyur	116	Kandiyur.
	303	Do.	Do.	..	Karuppur	28	Karuppur.
	304	Do.	Do.	..	Mathoor	176	Mathoor.
	305	Do.	Do.	..	Valangman	86	Valangman.
	306	Do.	Do.	..	Chandrasekarapuram	69	Chandrasekarapuram.
	307	Do.	Do.	..	Govindakudy	57	Govindakudy.
	308	Do.	Do.	..	Avoor	68	Avoor.
	309	Do.	Do.	Papanasam	..	33	Papanasam.
	310	Do.	Do.	..	Rajagiri	41	Rajagiri.
	311	Do.	Do.	..	Pandaravada	32	Pandaravada.
	312	Do.	Do.	..	Mattayanthidal	53	Thiruvayathukudi.
	313	Do.	Do.	..	..	29	Ayyampet.
	314	Do.	Do.	..	Charapalli	39	Chakrapalli.
	315	Do.	Do.	..	Valthoor	40	Valthoor.
	316	Do.	Do.	..	Pasupathikoil	38	Pasupathikoil.
	317	Do.	Do.	..	Thirukkarugavoor	76	Thirukkarugavoor.
	318	Do.	Do.	..	Milatoor	73	No. 1 Sethi Milatoor.
	319	Do.	Do.	..	Saliangalam	150	Saliangalam.
	320	Do.	Do.	..	Kalanjeri	133	Kalanjeri.
	321	Do.	Do.	..	Sankrampet	76	Thirukarugavoor.
	322	Do.	Do.	..	Ombathuveli	75	Ombathuveli.
	323	Do.	Do.	..	Ammapet	153	Naduvasal.
	324	Do.	Do.	..	Ukkadai	155	Ukkadai.
	325	Do.	Do.	..	Mariamankoil	130	Mariamankoil.
	326	Do.	Do.	..	Poonji	149	Poonji.
	327	Do.	Do.	..	Irumbuthalai	123	Milattoor 5th Sethi.
	328	Do.	Do.	..	Ganapathy Agraharam	20	Ganapathy Agraharam

329	Do.	..	Do.	..	Thirupavanam	168	Thirupavanam.
330	Do.	..	Do.	..	Devangudy	1	Devangudy.
331	Do.	..	Do.	..	Veeramangudy	1	Veeramangudy.
332	Do.	..	Do.	..	Someswarapuram	10	Someswarapuram.
333	Do.	..	Do.	..	Eachangudy	18	Eachangudy.
334	Do.	..	Do.	..	..	..	..
335	Do.	..	Do.	..	Sunderaperumalkoil	161	Sunderaperumalkoil.
336	Do.	..	Do.	..	Darasuram	138	Darasuram.
337	Do.	..	Do.	..	Sakkottai	147	Sakkottai.
338	Do.	..	Do.	..	Kottaiyur	136	Kottaiyur.
339	Do.	..	Do.	..	Swamimalai	134	Swamimalai.
340	Do.	..	Do.	..	Sholapuram	49	Sholapuram.
341	Do.	..	Do.	..	Tirupandal	21	Tirupandal.
342	Do.	..	Do.	..	Aduthurai	82	Aduthurai.
343	Do.	..	Do.	..	Narasingampet	85	Narasingampet.
344	Do.	..	Do.	..	Sathanoor	87	Sathanoor.
345	Do.	..	Do.	..	..	..	..
346	Do.	..	Do.	..	Thiruvadamardur	76	Thiruvadamardur.
347	Do.	..	Do.	..	Timbuvanam	80	Timbuvanam.
348	Do.	..	Do.	..	Vappathoor	64	Vappathoor.
349	Do.	..	Do.	..	Thiruvisalloor	74	Thiruvisalloor.
350	Do.	..	Do.	..	Ammachatram	95	Ammachatram.
351	Do.	..	Do.	..	Tepperumanallur	96	Tepperumanallur.
352	Do.	..	Do.	..	Tirunageswaram	97	Anakudi Tirunageswaram.
353	Do.	..	Do.	..	Nachirakoil	175	Nachirakoil.
354	Do.	..	Do.	..	Injikollai	186	Injikollai.
355	Do.	..	Do.	..	Ennaallur	152	Ennaallur.
356	Do.	..	Do.	..	Thiruchurai	185	Thiruchurai.
357	Do.	..	Do.	..	Thippirajapuram	172	Thippirajapuram.
358	Do.	..	Do.	..	Marudanallur	143	Marudanallur.
359	Do.	..	Do.	..	Thiruvallanzuli	141	Thiruvallanzuli.
360	Do.	..	Papanasam	..	Kudikadu	167	Nalla Vannankudikadu.
361	Do.	..	Tanjore	..	Thirupanthurithi West	67	Thirupanthurithi West.
362	Do.	..	Do.	..	Thirupanthurithi East	68	Thirupanthurithi East.
363	Do.	..	Do.	..	Nadukaveri	40	Nadukaveri.
364	Do.	..	Do.	..	Thiruvallampozhi	42	Thiruvallampozhi.
365	Do.	..	Do.	..	Innambur	104	Innambur.
366	Do.	..	Do.	..	Thirumangalakudi	68	Thirumangalakudi.
367	Do.	..	Do.	..	Thirupirambiam	88	Thirupirambiam.
368	Do.	..	Tanjore	..	Manakarambai	89	Manakarambai.
369	Do.	..	Mayuram	..	Thiruvallangadu	38	Thiruvallangadu.
370	Do.	..	Kumbakonam.	..	Manambadi	32	Manambadi.
	Do.	..	Do.	..	Aduthurai (alias) Maruthuvakkudi	82	Aduthurai (alias) Maruthuvakkudi.

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
6 Kumbakonam. (To end of 1954-55)— cont.	371	Tanjore	.. Kumbakonam.	..	Suryanar Koil	69	Suryanar Koil.
	372	Do.	Do.	..	Koranattu Karuppur	91	Koranattu Karuppur.
	373	Do.	.. Papanasam	..	Kapishalam	24	Kapishalam.
	374	Do.	Do.	..	Sarabojirajapuram	30	Sarabojirajapuram.
	375	Do.	Do.	..	Regunathapuram	31	Regunathapuram.
	376	Do.	Do.	..	Unayalpuram	35	Unayalpuram.
	377	Do.	Do.	..	Pasupathi Koil	38	Pasupathi Koil.
	378	Do.	Do.	..	Neduntheru (Valathur)	40	Valathur.
	379	Do.	Do.	..	Sulamangalam	48	Sulamangalam.
	380	Do.	Do.	..	Virupakshipuram	85	Virupakshipuram.
	381	Do.	Do.	..	Paliyur	134	Paliyur.
	382	Do.	.. Kumbakonam.	..	Thilliyumbur	170	Thilliyumbur.
	383	Do.	.. Papanasam	..	Gopurajapuram	42	..
	384	Do.	Do.	..	Nalur	45	..
	385	Do.	Do.	..	Edairiruppu	87	..
	386	Do.	Do.	..	Pudur	170	..
	387	Do.	Do.	..	Annikudi	44	..
	388	Do.	.. Kumbakonam.	..	Anakkudi	63	..
	389	Do.	Do.	..	Kottur	56	..
	390	Do.	Do.	..	Kanjapur	55	..
	391	Do.	Do.	..	Harurajapuram	119	..
(During the year 1955-56.)	392	Do.	Do.	..	Thirunarayanur	153	..
	393	Do.	Do.	..	Pattiswaram	164	..
	394	Do.	Do.	..	Udayalur	169	..
	395	Do.	Do.	..	Ayyavadi	..	..
	396	Do.	Do.	..	Nagalur	..	..
	397	Do.	Do.	..	Pambapadayur	..	..
	398	Do.	Do.	..	Thiyagarajapuram	..	..
	399	South Kanara.	Kasaragod	..	..	..	..
	400	Do.	Do.	..	Adakathbail	57	Adakathbail.
	401	Do.	Do.	..	Talagara	60	Talagara.
	402	Do.	Do.	..	Kudlu	8	Kudlu.
7 Kanara 77 Ceramics (To end of 1954-55)	403	Tiruchirappalli.	Karur	..	..	..	..
	404	South Kanara.	Mangalore	..	..	..	..
	405	Coimbatore	..	..	..	..	..
(During the year 1955-56.)	406	Salem	..	..	..	..	..
	407	Do.	..	..	..	..	..
	408	Do.	..	..	..	..	..
8 Karur 403	409	Do.	..	..	..	..	..
	410	Do.	..	..	..	..	..
	411	Do.	..	..	..	..	..
	412	Do.	..	..	..	..	..
	413	Do.	..	..	..	..	..
	414	Do.	..	..	..	..	..
	415	Do.	..	..	..	..	..
	416	Do.	..	..	..	..	..
	417	Do.	..	..	..	..	..
	418	Do.	..	..	..	..	..
9 Mangalore 404	419	Coimbatore	..	..	..	..	..
	420	Salem	..	..	..	..	..
	421	Do.	..	..	..	..	..
	422	Do.	..	..	..	..	..
	423	Do.	..	..	..	..	..
	424	Do.	..	..	..	..	..
	425	Do.	..	..	..	..	..
	426	Do.	..	..	..	..	..
	427	Tiruchirappalli.	Musiri	..	..	..	..
	428	Do.	Do.	..	..	..	..
10 Pollachi 405	429	Do.	Do.	..	..	..	..
	430	Do.	Do.	..	..	..	..
	431	Do.	Do.	..	..	..	..
	432	Do.	Do.	..	..	..	..
	433	Do.	Do.	..	..	..	..
	434	Do.	Do.	..	..	..	..
	435	Do.	Do.	..	..	..	..
	436	Do.	Do.	..	..	..	..
	437	Do.	Do.	..	..	..	..
	438	Do.	Do.	..	..	..	..
11 Salem-Erode. (To end of 1954-55).	439	Coimbatore	..	..	..	..	..
	440	Salem	..	..	..	..	..
	441	Do.	..	..	..	..	..
	442	Do.	..	..	..	..	..
	443	Do.	..	..	..	..	..
	444	Do.	..	..	..	..	..
	445	Do.	..	..	..	..	..
	446	Do.	..	..	..	..	..
	447	Do.	..	..	..	..	..
	448	Do.	..	..	..	..	..
(During the year 1955-56.)	449	Coimbatore	..	..	..	..	..
	450	Salem	..	..	..	..	..
	451	Do.	..	..	..	..	..
	452	Do.	..	..	..	..	..
	453	Do.	..	..	..	..	..
	454	Do.	..	..	..	..	..
	455	Do.	..	..	..	..	..
	456	Do.	..	..	..	..	..
	457	Do.	..	..	..	..	..
	458	Do.	..	..	..	..	..
12 Tiruchirappalli-Srirangam. (To end of 1954-55).	459	Coimbatore	..	..	..	..	..
	460	Salem	..	..	..	..	..
	461	Do.	..	..	..	..	..
	462	Do.	..	..	..	..	..
	463	Do.	..	..	..	..	..
	464	Do.	..	..	..	..	..
	465	Do.	..	..	..	..	..
	466	Do.	..	..	..	..	..
	467	Do.	..	..	..	..	..
	468	Do.	..	..	..	..	..

APPENDIX H.2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
12 Tiruchireppalli-Srirangam. (To end of 1954-55)—cont.	437	Tiruchireppalli.	Musiri	..	Kollakudi	100	Kollakudi.
	438	Do.	Do.	..	Appanallur	..	Do.
	439	Do.	Do.	..	T. Pudupatti	106	T. Pudupatti.
	440	Do.	Do.	..	Manbarai	107	Manbarai.
	441	Do.	Do.	..	Pulivalam	108	Pulivalam.
	442	Do.	Do.	..	Sittalarai	110	Sittalarai.
	443	Do.	Do.	..	Kattuputtur	..	....
	444	Do.	Do.	..	Thottiam	..	....
	445	Do.	Do.	..	Tiruvengi Hills	117	Alagarai.
	446	Do.	Do.	..	Nachiapudur	..	....
	447	Do.	Do.	..	Sriramesamudram	125	Sriramesamudram.
	448	Do.	Do.	..	Silapillaiyarputhur	126	Silapillaiyarputhur.
	449	Do.	Do.	..	Mettupagudai	127	Kaduvettil.
	450	Do.	Do.	..	Natham	128	Natham.
	451	Do.	Do.	..	Mahendramangalam	132	Srinivasanallur.
	452	Do.	Do.	..	Sandapalayam	..	....
	453	Do.	Do.	..	Ayyampalayam	138	Musiri (Rural).
	454	Do.	Do.	..	Peramur	142	Ayyampalayam.
	455	Do.	Do.	..	Kokkudi	..	Do.
	456	Do.	Do.	..	Udayarpalayam, Ariyalur	..	....
	457	Do.	Do.	..	Keelaiyur	181	Pundi.
	458	Do.	Do.	..	Kilapaluvur	182	Keelaiyur.
	459	Do.	Do.	..	Seedevimangalam	183	Kilapaluvur.
	460	Do.	Do.	..	Edumalai	2	Seedevimangalam.
	461	Do.	Do.	..	Palayur	3	Edumalai.
	462	Do.	Do.	..	Karmanickam	16	Palayur.
	463	Do.	Do.	..	Kallagam	25	Karmanickam.
	464	Do.	Do.	..	Thiruvellarai	33	Kallagam.
	465	Do.	Do.	..	Kalavaipatti	34	Thiruvellarai.
	466	Do.	Do.	..	Selakkadu	35	Do.
	467	Do.	Do.	..	Kallakudi	42	Ayyampalayam.
	468	Do.	Do.	..	Dalmiapuram	..	Kallakudi.
	469	Do.	Do.	..	..	..	Do.

470	Do.	Do.	Do.	..	Kannagudi	38	Kannagudi.
471	Do.	Do.	Do.	..	Poonampalayam	46	Poonampalayam.
472	Do.	Do.	Do.	..	Inam Kalpalayam	48	Inam Kalpalayam.
473	Do.	Do.	Do.	..	Irungalur	49	Irungalur.
474	Do.	Do.	Do.	..	Perathakudi	..	Do.
475	Do.	Do.	Do.	..	Magilambadi	50	Magilambadi.
476	Do.	Do.	Do.	..	Thachankurichi	51	Thachankurichi.
477	Do.	Do.	Do.	..	Punjai Sengandi	53	Punjai Sengandi.
478	Do.	Do.	Do.	..	Nanjai Sengandi	..	Do.
479	Do.	Do.	Do.	..	Pullambadi	54	Pullambadi.
480	Do.	Do.	Do.	..	Kovandakurichi	55	Kovandakurichi.
481	Do.	Do.	Do.	..	Alagiamanavalam	56	Alagiamanavalam.
482	Do.	Do.	Do.	..	Manachanallur	..	....
483	Do.	Do.	Do.	..	Inam Samayapuram	60	Inam Samayapuram.
484	Do.	Do.	Do.	..	S. Kannanore	61	S. Kannanore.
485	Do.	Do.	Do.	..	Samayapuram	..	Do.
486	Do.	Do.	Do.	..	Narasingamangal	..	Do.
487	Do.	Do.	Do.	..	Neikuppai	64	Neikuppai.
488	Do.	Do.	Do.	..	Puduruthamanur	66	Puduruthamanur.
489	Do.	Do.	Do.	..	Peruvallanallur	67	Peruvallanallur.
490	Do.	Do.	Do.	..	Edangimangalam	69	Edangimangalam.
491	Do.	Do.	Do.	..	Vellanur	..	Do.
492	Do.	Do.	Do.	..	Kovathagudi	79	Kovathagudi.
493	Do.	Do.	Do.	..	Pachur	..	Do.
494	Do.	Do.	Do.	..	Nochum	80	Madavaperumalkoil.
495	Do.	Do.	Do.	..	Bikshandarkoil	81	Bikshandarkoil.
496	Do.	Do.	Do.	..	Uthamarkoil	..	Do.
497	Do.	Do.	Do.	..	Kuthur	82	Kuthur.
498	Do.	Do.	Do.	..	Paluvur	..	Do.
499	Do.	Do.	Do.	..	Pinnavasal	92	Puvalur Town.
500	Do.	Do.	Do.	..	Kattur	94	Mettupatti
501	Do.	Do.	Do.	..	Alangudi Maharejanam	100	Alangudi Maharejanam.
502	Do.	Do.	Do.	..	Thalakudi	101	Thalakudi.
503	Do.	Do.	Do.	..	Pudukkudi	102	Pudukkudi.
504	Do.	Do.	Do.	..	Thathanur	..	Do.
505	Do.	Do.	Do.	..	Sampalani	..	Do.
506	Do.	Do.	Do.	..	Sirumarudur	103	Sirumarudur.
507	Do.	Do.	Do.	..	Valadi	104	Valadi.
508	Do.	Do.	Do.	..	Velayudapuram	..	Do.
509	Do.	Do.	Do.	..	Mandurai	105	Nerinjakkudi.
510	Do.	Do.	Do.	..	Angarai	106	Angarai.
511	Do.	Do.	Do.	..	Manakkal	107	Manakkal.
512	Do.	Do.	Do.	..	Koppali	108	Koppali.
513	Do.	Do.	Do.	..	Adigudi	109	Adigudi.
514	Do.	Do.	Do.	..	..	..	..

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
12 Tiruchirappalli-Srirangam (to end of 1954-55)—cont.	515	Tiruchirappalli.	Lalgudi	..	Natarajapuram	..	Adigudi.
	516	Do.	Do.	..	Vazhudiayur	..	Do.
	517	Do.	Do.	..	Esanakorai	117	Esanakorai.
	518	Do.	Do.	..	Thirumanamedu	119	Thirumanamedu.
	519	Do.	Do.	..	Pachampettai	..	Do.
	520	Do.	Do.	Lalgudi	..	..	..
	521	Do.	Do.	..	Sirudaiyur	122	Lalgudi town.
	522	Do.	Do.	..	Edayathamangalam	125	Edayathamangalam.
	523	Do.	Do.	..	Mayanur	3	Mayanur.
	524	Do.	Do.	..	Thirukkambuliur	4	Thirukkambuliur.
	525	Do.	Do.	..	Krishnarayapuram	5	Krishnarayapuram.
	526	Do.	Do.	..	Mahadanapuram	7	Mahadanapuram.
	527	Do.	Do.	..	Chintalavadi	8	Chintalavadi.
	528	Do.	Do.	..	Pillapalayam	9	Pillapalayam.
	529	Do.	Do.	..	Kallapalli	10	Kallapalli.
	530	Do.	Do.	..	Leipet	..	Do.
	531	Do.	Do.	..	Tinnachipuram	11	K. Pettai.
	532	Do.	Do.	..	Manathattai	14	Manathattai.
	533	Do.	Do.	..	Vaiganallur	15	Vaiganallur.
	534	Do.	Do.	Kulitalai	..	..	..
	535	Do.	Do.	..	Karupathur	17	Karupathur.
	536	Do.	Do.	..	Melapudupatti	..	Do.
	537	Do.	Do.	..	Rajendram	19	Rajendram.
	538	Do.	Do.	..	Parali	..	Do.
	539	Do.	Do.	..	Marudur	20	Marudur.
	540	Do.	Do.	..	Nadupatti	..	Do.
	541	Do.	Do.	..	Chithalavoi	21	Chithalavoi.
	542	Do.	Do.	..	Vasumathi Farm	27	Poyyanani.
	543	Do.	Do.	..	Hiranyamangalam	34	Hiranyamangalam.
	544	Do.	Do.	..	Valayapatti	..	Do.
	545	Do.	Do.	..	Inungur	35	Inungur.
	546	Do.	Do.	..	Pudupatti	..	Do.
	547	Do.	Do.	..	Ondampatti	..	Do.

548	Do.	Do.	Do.	..	Nangavaram	36	Nangavaram.
549	Do.	Do.	Do.	..	Nachalur	..	Do.
550	Do.	Do.	Do.	..	Talinji	50	Talinji.
551	Do.	Do.	Do.	..	Vadaseri	72	Vadaseri.
552	Do.	Do.	Do.	..	Sevalur	100	Sevalur.
553	Do.	Do.	Do.	..	Andavarkoil	102	Kannudayanpatti.
554	Do.	Do.	Do.	..	Sekkanam	104	Sekkanam.
555	Do.	Do.	Do.	Manapalai	..	..	..
556	Do.	Do.	Do.	Srirangam	..	..	..
557	Do.	Do.	Do.	..	Molur	1	Molur.
558	Do.	Do.	Do.	..	Petaivathalai	9	Petaivathalai.
559	Do.	Do.	Do.	..	Sirugamani	10	Sirugamani.
560	Do.	Do.	Do.	..	Kavalkarapalayam	..	Do.
561	Do.	Do.	Do.	..	Kannanaikepalayam	..	Do.
562	Do.	Do.	Do.	..	Perugamani	11	Perugamani.
563	Do.	Do.	Do.	..	Thiruppalathurai	12	Thiruppalathurai.
564	Do.	Do.	Do.	..	Analai	13	Andanallur.
565	Do.	Do.	Do.	..	Andanallur	..	Do.
566	Do.	Do.	Do.	..	Amnengudi	..	Do.
567	Do.	Do.	Do.	..	Thiruchendurai	14	Thiruchendurai.
568	Do.	Do.	Do.	..	Allur	15	Allur.
569	Do.	Do.	Do.	..	Palur	16	Palur.
570	Do.	Do.	Do.	..	Mutharasannallur	17	Mutharasannallur.
571	Do.	Do.	Do.	..	Murungapettai	..	Do.
572	Do.	Do.	Do.	..	Kambarasampettai	18	Kambarasampettai.
573	Do.	Do.	Do.	..	Kodiyalam	19	Kodiyalam.
574	Do.	Do.	Do.	..	Mekkudi	20	Mekkudi.
575	Do.	Do.	Do.	..	Pandanangalam	27	Pandanangalam.
576	Do.	Do.	Do.	Tiruchirappalli.	..	..	..
577	Do.	Do.	Do.	..	Arasangudi	36	Arasangudi.
578	Do.	Do.	Do.	..	Somarasampettai	40	Somarasampettai.
579	Do.	Do.	Do.	..	Uyyakondanthirumalai	42	Uyyakondanthirumalai.
580	Do.	Do.	Do.	..	Kodappu	..	Do.
581	Do.	Do.	Do.	..	Ariyamangalam	45	Ulkadai Ariyamangalam.
582	Do.	Do.	Do.	..	Vevidangam	47	Kovalakudi.
583	Do.	Do.	Do.	..	Pappakurichi	48	Pappakurichi.
584	Do.	Do.	Do.	..	Manjathidal	50	Agaram.
585	Do.	Do.	Do.	..	Nachikurichi	54	Nachikurichi.
586	Do.	Do.	Do.	..	Bommasamudram	..	Do.
587	Do.	Do.	Do.	..	Sholanganallur	55	Sholanganallur.
588	Do.	Do.	Do.	..	Sengulam	56	Sengulam.
589	Do.	Do.	Do.	..	Varaganeri	57	Varaganeri.
590	Do.	Do.	Do.	..	Thiruverambur	58	Thiruverambur.

APPENDIX H-2—cont.

List of villages and townships supplied by license undertakings as at the end of 1954-55 and also electrified during the year 1955-56—cont.

Serial number and name of licensee.	Serial number of 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)
12 Tiruchirappalli-Srirangam. (To end of 1954-55)—cont.							
591	591	Tiruchirappalli.	Tiruchirappalli.	..	Koothapaz ..	59	Koothapaz.
592	592	Do.	Do.	..	Navalur ..	63	Navalur.
593	593	Do.	Do.	..	Edmalaiappatti Pudur	65	Pirattiyur.
594	594	Do.	Do.	..	Abishekapuram ..	66	Abishekapuram.
595	595	Do.	Do.	Golden Rock	.....	67	Golden Rock.
596	596	Do.	Do.	..	Ponamalaipatti ..	70	Do.
597	597	Do.	Do.	..	Alathur ..	70	Alathur.
598	598	Do.	Do.	..	Melakalkandarkottai	68	Do.
599	599	Do.	Do.	..	Kottapattu ..	68	Kottapattu.
600	600	Do.	Do.	..	Sembathu ..	71	Do.
601	601	Do.	Do.	..	Kilakalkandarkottai	71	Kilakalkandarkottai.
602	602	Do.	Do.	..	Kalligudi ..	74	Kalligudi.
603	603	Do.	Do.	..	Sathalur ..	76	Sathalur.
604	604	Do.	Do.	..	Navalpattu ..	79	Navalpattu.
605	605	Do.	Do.	..	Kolathur ..	94	Do.
606	606	Do.	Do.	..	Vellivudi ..	94	Kolathur.
607	607	Do.	Do.	..	Sivagattupatti ..	104	Do.
608	608	Do.	Do.	..	Kuttapatti ..	118	Kuttapatti.
609	609	Do.	Do.	..	Illuppur ..	123	Illuppur.
610	610	Do.	Do.	..	Mukkannamaipatti	3	Veerapatti.
611	611	Do.	Do.	..	Kadapatti ..	3	Vittampatti.
612	612	Kulathur.	Do.	..	Parapatti ..	7	Do.
613	613	Do.	Do.	..	Ayyampatti ..	7	Kumaramangalam.
614	614	Do.	Do.	..	Puruvo ..	9	Puruvo.
615	615	Do.	Do.	..	Viralimalai ..	3	Viralimalai.
616	616	Do.	Do.	..	Seepanthope ..	39	Latchumanapatti.
617	617	Do.	Do.	..	Ullampatti ..	50	Ullampatti.
618	618	Do.	Do.	..	Kiranur ..	69	Kiranur.
619	619	Do.	Do.	..	Annavasal ..	120	Annavasal.
620	620	Do.	Do.	..	Satyamangalam	124	Satyamangalam.
621	621	Do.	Do.	..	Madanallur ..	138	Madanallur.
622	622	Do.	Do.	..	Vellanur ..	140	Vellanur.

623	623	Do.	Alangudi	..	Alangudi ..	113	Alangudi.
624	624	Do.	Tanjore	..	Thogur ..	1	Thogur.
625	625	Do.	Do.	..	Koviladi ..	2	Koviladi.
626	626	Do.	Do.	..	Puduchattam	4	Alanelupuram.
627	627	Do.	Do.	..	Nagachi ..	5	Do.
628	628	Do.	Do.	..	Vishnampettai	26	Vishnampettai.
629	629	Do.	Do.	..	Kachamangalam	27	Kachamangalam.
630	630	Do.	Do.	..	Megalathur ..	29	Megalathur.
631	631	Do.	Do.	..	Elangadu ..	29	Rajagiri.
632	632	Do.	Do.	..	Nennam ..	30	Nennam.
633	633	Do.	Do.	..	Palamaneri	31	Palamaneri.
634	634	Do.	Do.	..	Tirukkattupalli	32	Tirukkattupalli.
635	635	Do.	Do.	..	Ombathuvoli ..	34	Ombathuvoli.
636	636	Do.	Do.	..	Michealipatti	35	Michealipatti.
637	637	Do.	Do.	..	Kadambangudi ..	53	Kadambangudi.
638	638	Do.	Do.	..	Marneri ..	55	Marneri.
639	639	Do.	Do.	..	Renganathapuram	59	Renganathapuram.
640	640	Do.	Do.	..	Sivaswamipuram	60	Dikshasanudram.
641	641	Do.	Do.	..	Rudalur ..	79	Rudalur.
642	642	Do.	Do.	..	Sengipatti ..	149	Sengipatti.
643	643	Do.	Kulitalai	..	Neidalur ..	44	Neidalur.
644	644	Do.	Do.	..	Chinnapanaiyur	60	Do.
645	645	Do.	Do.	..	Alathur ..	60	Alathur.
646	646	Do.	Do.	..	Thannirpalli	19	Rajendram.
647	647	Do.	Do.	..	Porasambatti	94	Talinji.
648	648	Do.	Musiri	..	Surathur ..	66	Muthayambalam.
649	649	Do.	Perambalur	..	Kalathur ..	91	T. Kalathur.
650	650	Do.	Laigudi	..	Natham ..	98	Natham Mangudi.
651	651	Do.	Musiri ..	..	Yevoor ..	143	Yevoor.
652	652	Do.	Do. ..	..	Amur ..	146	Amur.
653	653	Do.	Do. ..	..	Gunasalem	147	Gunasalem.
654	654	Do.	Laigudi	..	Kumalur ..	52	Kumalur.
655	655	Do.	Do.	..	Sirumayangudi	93	Sirumayangudi.
656	656	Do.	Do.	..	Mylvanganam	124	Jevanthinathapuram.
657	657	Do.	Tiruchirappalli.	..	Kumaravayalur	39	Kumaravayalur.
658	658	Do.	Do.	..	Koppu ..	23	Koppu.
659	659	Do.	Do.	..	Eturai ..	23	Do.
660	660	Do.	Do.	..	Kulmani ..	24	Kulmani.
661	661	Do.	Do.	..	Ariyamangalam	45	Ariyamangalam.
662	662	Do.	Do.	..	Seyyamaangalam	188	....
13 Tanjore 663	13 Tanjore 663	Tanjore	Do.	..	Tanjore and the surroundings.	..	....

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
(During the year 1955-56.)				Nil.			
14 Vellore (To end of 1954-55.)	864	North Arcot	Vellore	Vellore	..	106	..
	865	Do.	Do.	Do.	..	106	In Sennakkam.
	866	Do.	Do.	Do.	..	118	Thorepaddy.
	867	Do.	Do.	Do.	..	111	Sathuvachari.
	868	Do.	Do.	Do.	..	168	Allavaram.
	869	Do.	Do.	Do.	..	117	Edayansathu.
	870	Do.	Gudiyatham	Do.	..	..	Do.
	871	Do.	Do.	Do.	..	20	Viruthambet.
	872	Do.	Do.	Do.	..	17	Katpadi.
	873	Do.	Do.	Do.	..	18	Dharapadavedu.
	874	Do.	Do.	Do.	..	16	Kangayanellore.
	875	Do.	Do.	Do.	..	24	Vandrenthangal.
	876	Do.	Do.	Do.	..	19	Dharapadavedu.
	877	Do.	Do.	Do.	..	66	Kalinjoor.
	878	Do.	Do.	Do.	..	..	..
	879	Do.	Do.	Do.	..	67	..
	880	Do.	Wallajah	Wallajah	..	..	..
	881	Do.	Do.	Do.	..	..	..
	882	Do.	Do.	Do.	..	..	..
	883	Do.	Do.	Do.	..	23	Mottur.
	884	Do.	Do.	Do.	..	21	Karai.
	885	Do.	Do.	Do.	..	24	Navalpore.
	886	Do.	Do.	Do.	..	23	Manthangal.
	887	Do.	Do.	Do.	..	22	Srinivasanpet.
	888	Do.	Do.	Do.	..	..	..
	889	Do.	Do.	Do.	..	..	..
	890	Do.	Do.	Do.	..	83	Kalavan Bazaar.
	891	Do.	Do.	Do.	..	22	..
	892	Do.	Do.	Do.	..	83	Gummatam.
	893	Do.	Vellore	Do.	..	..	..
	894	Do.	Gudiyatham	Do.	..	..	..

(During the year 1955-56.)	695	Do.	Wallajah	Do.	..	57	Pudupet.
	696	Do.	Do.	Do.	..	57	Do.
	697	Do.	Do.	Do.	..	27	Ammoor.
	698	Do.	Do.	Do.	..	27	Narasingapuram.
	699	Do.	Do.	Do.	..	28	Velan.
	700	Do.	Do.	Do.	..	60	Anandalai.
	701	Do.	Do.	Do.	..	80	Sathur.
	702	Do.	Do.	Do.	..	80	Kalar.
	703	Do.	Do.	Do.	..	80	Lebbaipettai.
	704	Do.	Do.	Do.	..	87	Nandiylalam.
	705	Do.	Do.	Do.	..	88	Kilminnel.
15 Madurai. (To end of 1954-55.)	706	Madurai	Madurai	Madurai	..	..	..
	707	Do.	Do.	Do.	..	..	Sathamangalam.
	708	Do.	Do.	Do.	..	..	Sambanthar Alangulam.
	709	Do.	Do.	Do.	..	..	Arapalayam.
	710	Do.	Do.	Do.	..	..	..
	711	Do.	Do.	Do.	..	..	Kochadi.
	712	Do.	Do.	Do.	..	..	Thatanery.
	713	Do.	Do.	Do.	..	..	Moosunnavadi.
(During the year 1955-56.)	714	Tiruchirappalli.	Pudukkottai	..	..	76	Kottur.
16 Pudukkottai. (To end of 1954-55.)	715	Do.	Thirumayam	..	..	..	..
(During the year 1955-56.)	716	Tirunelveli	Tirunelveli	Tirunelveli	..	..	..
	717	Do.	Do.	Do.	..	..	..
	718	Do.	Do.	Do.	..	..	..
	719	Do.	Do.	Do.	..	56	Tachanallur.
	720	Do.	Do.	Do.	..	40	Inam Karayiruppu.
	721	Do.	Do.	Do.	..	38	Inam Thenirkulam.
	722	Do.	Do.	Do.	..	..	..
	723	Do.	Do.	Do.	..	36	Kootadagadu.
	724	Do.	Do.	Do.	..	41	Vallanad.
	725	Do.	Do.	Do.	..	41	Do.
	726	Do.	Do.	Do.	..	47	Kumaragiri.
(During the year 1955-56.)	727	Do.	Do.	Do.	..	57	Manimoorthiswaram.
	728	Do.	Do.	Do.	..	39	Chatram Pudukulam.
	729	Do.	Do.	Do.	..	126	Reddiarpatti.

APPENDIX H-2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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 villa so.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
18 Nagapattinam. (Up to 1954-55.)	730	Tanjore	Nagapattinam.	..	Sikkil ..	77	Sikkil.
	731	Do.	Do.	..	Kivalur ..	71	Kivalur.
	732	Do.	Do.	..	Tevur ..	109	Tevur.
	733	Do.	Do.	..	Radhamangalam ..	112	Radhamangalam.
	734	Do.	Do.	..	Pattamangalam ..	98	Pattamangalam.
	735	Do.	Do.	..	North Poyyur ..	102	North Poyyur.
	736	Do.	Do.	..	Velanganni ..	141	Velanganni.
	737	Do.	Do.	..	Kurichi ..	139	Kurichi.
	738	Do.	Do.	..	Karuvelangadai ..	122	Karuvelangadai.
	739	Do.	Do.	..	Vadavoor ..	121	Vadavoor.
	740	Do.	Do.	..	Papakoil ..	1,000	Papakoil.
	741	Do.	Do.	..	Andanpet ..	86	Andanpet.
	742	Do.	Do.	..	Adiakamangalam ..	42	Adiakamangalam.
	743	Do.	Do.	..	Kurumanangudi ..	45	Kurumanangudi.
	744	Do.	Do.	..	Athipuliur ..	64	Athipuliur.
	745	Do.	Do.	..	Kuthoor ..	64	Kuthoor.
	746	Do.	Do.	..	Sengamangalam ..	56	Sengamangalam.
	747	Do.	Do.	..	Odacheri ..	15	Odacheri.
	748	Do.	Do.	..	Karukathi ..	67	Karukathi.
	749	Do.	Do.	..	Poravacheri ..	78	Poravacheri.
	750	Do.	Do.	..	Velipalayam ..	84	Naganattinam.
	751	Do.	Do.	..	Kadambadi ..	84	Do.
	752	Do.	Do.	..	Manjakolli ..	86	Andanpet.
	753	Do.	Do.	..	Sikkilvalam ..	..	Themangalam
	754	Do.	Do.	..	Aliyur ..	..	Vadakkarai.
	755	Do.	Do.	..	Puliur ..	22	Vadavoor.
	756	Do.	Do.	..	Vengaramavadai ..	121	Palayur.
	757	Do.	Do.	..	Nirthanamangalam ..	80	Do.
	758	Do.	Do.	..	Palayanur ..	..	Thekuppoyyur.
	759	Do.	Do.	..	Paravai ..	167	Thirukannangudi.
	760	Do.	Do.	..	Nagavilagam ..	72	Neelapadi.
	761	Do.	Do.	..	Thirukantangudi ..	66	Palayanur.
	762	Do.	Do.	..	Neelapadi ..	80	..
	763	Do.	Do.	..	Palayanur ..	..	..

(During the year 1955-56.)

19 Devakottai. (Up to 1954-55.)

764	Do.	..	Nagapattinam	..	Nemmeli ..	106	..
765	Ramanatha-puram.	..	Tiruvadanai ..	Devakottai ..	..	..	..
766	Do.	..	Do.	..	Shanmuganthapuram	26	Melachembomari.
767	Do.	..	Do.	..	Thamichaelorani ..	36	Sirumarudur.
768	Do.	..	Do.	..	Kandadevi ..	..	Kandadevi.

(During the year 1955-56.)

20 Nattarasankottai. (Up to end of 1954-55.)

769	Ramanatha-puram.	..	Sivaganga	..	..	82	..
770	Do.	..	Do.	Nattarasankottai	..	142	..

(During the year 1955-56.)

21 Karaikudi. (Up to end of 1954-55.)

771	Ramanatha-puram.	..	Tirupattur	..	..	..	..
772	Do.	..	Do.	..	Amaravathipuram	..	Amaravathipuram.
773	Do.	..	Do.	..	Ariyakudi ..	..	Ariyakudi.
774	Do.	..	Do.	..	Managiri ..	..	Managiri.
775	Do.	..	Do.	..	Nachispuram ..	..	Nachispuram.
776	Do.	..	Do.	..	Kovilur ..	..	Kovilur.

(During the year 1955-56.)

22 Kanadukathan. (Up to end of 1954-55.)

777	Ramanathapuram.	..	Tirupattur	..	..	..	..
778	Do.	..	Do.	..	Kanadukathan	..	Kanadukathan.
779	Do.	..	Do.	..	Nemathampatti	..	Nemathampatti.
780	Do.	..	Do.	..	..	..	..
781	Do.	..	Do.	..	Manachai ..	..	Manachai.
782	Do.	..	Do.	..	Kothamangalam ..	..	Kothamangalam.
783	Do.	..	Do.	..	Lakshimpuram ..	..	Lakshimpuram.
784	Do.	..	Do.	..	Velangudi ..	..	Kottaiyur.
785	Do.	..	Do.	..	Alagapuri ..	..	Alagapuri.
786	Do.	..	Do.	..	..	..	Kannanoor.
787	Do.	..	Do.	..	..	..	Puduvayal.
788	Do.	..	Do.	..	..	..	Sakkottai.
789	Do.	..	Do.	..	Karunthapallam ..	..	Karunthapallam.

APPENDIX H.2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
22 Kanadukathan. (Up to end of 1954-55)—cont.	790 Ramanathapuram	Do.	Tirupattur	..	O. Siruvayal	..	O. Siruvayal.
	791 Do.	Do.	Do.	..	Palavangudi	..	Palavangudi.
	792 Do.	Do.	Do.	..	Chockanandal	..	Chockanandal.
	793 Do.	Do.	Do.	..	A. Atangudi	..	A. Atangudi.
	794 Do.	Do.	Do.	..	A. Muthupattanam	..	A. Muthupattanam.
	795 Do.	Do.	Do.	..	Kannakkudi	..	Kannakkudi.
	796 Do.	Do.	Do.	..	Nemam	..	Nemam.
	797 Do.	Do.	Do.	..	Pillaiyarpatti	..	Pillaiyarpatti.
	798 Do.	Do.	Do.	..	Siruvayal	..	Siruvayal.
	799 Do.	Do.	Do.	..	Vairavanpatti	..	Vairavanpatti.
	800 Do.	Do.	Do.	..	Sirukkoodalpatti	..	Sirukkoodalpatti.
	801 Do.	Do.	Do.	..	Viramathi	..	Viramathi.
	802 Do.	Do.	Do.	..	Kilasaipatti	..	Kilasaipatti.
	803 Do.	Do.	Do.	..	Elavathangudi	..	Elavathangudi.
	804 Do.	Do.	Do.	..	Avinipatti	..	Avinipatti.
	805 Do.	Do.	Do.	..	Keeranipatti	..	Keeranipatti.
(During the year 1955-56).	806 Do.	Do.	Kottaiyur	..	Alagappanagar	..	..
	807 Do.	Do.	Kunnakudi	..	Patharakudi	..	..
23 South Arcot. (Up to end of 1954-55).	808 South Arcot	Do.	Tindivanam	..	Singanoor	..	Singanoor.
	809 Do.	Do.	Do.	..	Killedayalam	..	Killedayalam.
	810 Do.	Do.	Do.	..	Mydam	..	Mydam.
	811 Do.	Do.	Do.	..	Vikravandi	..	Vikravandi.
	812 Do.	Do.	Villupuram	..	Panayapuram	..	Panayapuram.
	813 Do.	Do.	Do.	..	Siruvallikuppam	..	Siruvallikuppam.
	814 Do.	Do.	Do.	..	Radhapuram	..	Radhapuram.
	815 Do.	Do.	Do.	..	Madhurapakkam	..	Madhurapakkam.
	816 Do.	Do.	Do.	..	..	..	..
	817 Do.	Do.	Do.	Villupuram	Maharajapuram	..	Maharajapuram.
	818 Do.	Do.	Do.	..	Eachangadu	..	Eachangadu.
	819 Do.	Do.	Do.	..	Panampet	..	Panampet.
	820 Do.	Do.	Do.	..	..	..	..

821 Do.	Do.	Do.	Do.	Villupuram	Kolivanur	..	Kolivanur.
822 Do.	Do.	Do.	Do.	..	Vaniampalayam	..	Vaniampalayam.
823 Do.	Do.	Do.	Do.	..	Venkadadri Aharam	..	Venkadadri Aharam.
824 Do.	Do.	Do.	Do.	..	Malarajakuppam	..	Malarajakuppam.
825 Do.	Do.	Do.	Do.	..	Kandamangalam	..	Kandamangalam.
826 Do.	Do.	Do.	Do.	..	..	..	..
827 Do.	Do.	Do.	Do.	..	Kannikoil	..	Kannikoil.
828 Do.	Do.	Do.	Do.	..	Narimedu	..	Narimedu.
829 Do.	Do.	Do.	Do.	..	Thathamalayam	..	Thathamalayam.
830 Do.	Do.	Do.	Do.	..	Siruvanthadu	..	Siruvanthadu.
831 Do.	Do.	Do.	Do.	..	Tondireddipalayam	..	Tondireddipalayam.
832 Do.	Do.	Do.	Do.	..	Pudheri	..	Pudheri.
833 Do.	Do.	Do.	Do.	..	Mokshakulam	..	Mokshakulam.
834 Do.	Do.	Do.	Do.	..	Naridai	..	Naridai.
835 Do.	Do.	Do.	Do.	..	Kongampet	..	Kongampet.
836 Do.	Do.	Do.	Do.	..	Kandirakottai	..	Kandirakottai.
837 Do.	Do.	Do.	Do.	..	Kanisappakkam	..	Kanisappakkam.
838 Do.	Do.	Do.	Do.	..	Kondareddipalayam	..	Kondareddipalayam.
839 Do.	Do.	Do.	Do.	..	Malayamedu	..	Malayamedu.
840 Do.	Do.	Do.	Do.	..	Poongunam	..	Poongunam.
841 Do.	Do.	Do.	Do.	..	Pakkiripalayam	..	Pakkiripalayam.
842 Do.	Do.	Do.	Do.	..	Gavaripet	..	Gavaripet.
843 Do.	Do.	Do.	Do.	..	Andikuppam	..	Andikuppam.
844 Do.	Do.	Do.	Do.	..	Narayanapuram	..	Narayanapuram.
845 Do.	Do.	Do.	Do.	..	Edayanveli	..	Edayanveli.
846 Do.	Do.	Do.	Do.	..	Melpattambakkam	..	Melpattambakkam.
847 Do.	Do.	Do.	Do.	..	..	..	..
848 Do.	Do.	Do.	Do.	..	Thirukandeswaram	..	Thirukandeswaram.
849 Do.	Do.	Do.	Do.	..	Valapet	..	Valapet.
850 Do.	Do.	Do.	Do.	..	..	..	..
851 Do.	Do.	Do.	Do.	..	Shollavalli	..	Shollavalli.
852 Do.	Do.	Do.	Do.	..	Viswanathapuram	..	Viswanathapuram.
853 Do.	Do.	Do.	Do.	..	Karamanikuppam	..	Karamanikuppam.
854 Do.	Do.	Do.	Do.	..	Vellappakkam	..	Vellappakkam.
855 Do.	Do.	Do.	Do.	..	Nathapet	..	Nathapet.
856 Do.	Do.	Do.	Do.	..	Kondur	..	Kondur.
857 Do.	Do.	Do.	Do.	..	..	..	..
858 Do.	Do.	Do.	Do.	..	..	..	..
859 Do.	Do.	Do.	Do.	..	Rambakkam	..	Rambakkam.
860 Do.	Do.	Do.	Do.	..	Sornayur	..	Sornayur.
861 Do.	Do.	Do.	Do.	..	Kalanjikuppam	..	Kalanjikuppam.
				..	Chinnapagandai	..	Chinnapagandai.

APPENDIX H.2—cont.

List of villages and townships supplied by licensee undertakings as at the end of 1954-55 and also electrified during the year 1955-56—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)
23 South Arcot. (Up to end of 1954-55)— cont.	862	South Arcot	Cuddalore	..	Melkumaramangalam	..	Melkumaramangalam.
	863	Do.	Do.	..	Iyyanarkoil	..	Iyyanarkoil.
	864	Do.	Do.	..	Kuchipalayam	..	Kuchipalayam.
	865	Do.	Do.	..	Kolpakkam	..	Kolpakkam.
	866	Do.	Do.	..	Kongarayanur	..	Kongarayanur.
	867	Do.	Do.	..	Thirupachanur	..	Thirupachanur.
	868	Do.	Do.	..	Chinnapettai	..	Chinnapettai.
	869	Do.	Do.	..	Oraiyur	..	Oraiyur.
	870	Do.	Do.	..	Perumalnaiickenpalayam.	..	Perumalnaiickenpalayam.
	871	Do.	Do.	..	Thiruvendipuram	..	Thiruvendipuram.
	872	Do.	Do.	..	Pachinikuppam	..	Pachinikuppam.
	873	Do.	Chidambaram	..	Chuthukulam	..	Chuthukulam.
	874	Do.	Do.	Bhuvanagiri	..	..	Bhuvanagiri.
	875	Do.	Do.	..	Armapet	..	Armapet.
	876	Do.	Do.	..	Vallampadugai	..	Vallampadugai.
	877	Do.	Do.	..	..	..	..
	878	Do.	Villupuram	..	Badriapuliur	..	Badriapuliur.
	879	Do.	Do.	..	Kilperumbakkam	..	Kilperumbakkam.
	880	Do.	Do.	..	Narasampattai	..	Narasampattai.
	881	Do.	Do.	..	Thiruvathi	..	Thiruvathi.
	882	Do.	Cuddalore	..	Sundaravandi	..	Sundaravandi.
	883	Do.	Do.	..	Arungunam	..	Arungunam.
	884	Do.	Do.	..	Palur	..	Palur.
	885	Do.	Do.	Gudithangi	..	..	..
	886	Do.	Villupuram	..	Arpisanpalayam	..	..
	887	Do.	Cuddalore	..	Chirachavadi	..	..
	888	Do.	..	..	Nathamadu	..	..
	889	Do.	..	..	Melkumaramangalamcheri.	..	..
	890	Do.	..	..	Cummingpet	..	..
	891	..	..	..	Soorakuppamachery	..	..
	892	..	..	..	Eripalayam	..	..
	893	..	..	..	Rangareddipalayam	..	..
	894	..	..	..	Thoravi	..	..
	895	..	..	..	Pakkamedu	..	..

(During the year 1955-56.)

24 Ponnamaravathy.
(Up to end of the year 1954-55).

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)
896	Tiruchirappalli.	Tirunayam	Ponnamaravathy	..	..	Ponnamaravathy.
897	Do.	Do.	..	Vendanpatty	..	Vendanpatty.
898	Do.	Do.	..	Vegupatty	..	Vegupatty.
899	Do.	Do.	..	Koppampatty	..	Koppampatty.
900	Do.	Do.	..	Yenavayal	..	Yenavayal.
901	Do.	Do.	..	Sundaram	..	Sundaram.
902	Do.	Do.	..	Mekkinipatty	..	Mekkinipatty.
903	Do.	Do.	..	Kulpirai	..	Kulpirai.
904	Do.	Do.	..	Panayapatty	..	Panayapatty.
905	Do.	Do.	..	Rangiem	..	Rangiem.
906	Do.	Do.	..	Kurivikondanpatty	..	Kurivikondanpatty.
907	Do.	Do.	..	Virachilai	..	Virachilai.
908	Do.	Do.	..	Lakshminipuram	..	Lakshminipuram.
909	Do.	Do.	..	Nachandupatty	..	Nachandupatty.
910	Do.	Do.	..	Kottur	..	Kottur.
911	Do.	Do.	..	Namasanamudram	..	Namasanamudram.
912	Do.	Do.	..	Sembuthu	..	Sembuthu.
	..	..	Nil.	..	..	..

(During the year 1955-56.)

APPENDIX I.

(1) PYKARA SYSTEM.

I. INSTALLED CAPACITIES OF TRANSFORMERS.

		Power-house.				Capacity in KVA.	
		Numbers.	Voltage ratio.				
1 Singara Power-house	..	3 × 7,810	11/66-110 KV.	..	..	23,430	
		2 × 12,500	11/110 KV.	..	..	25,000	
		2 × 16,000	11/110 KV.	..	..	32,000	
		2 × 5,000	11/66 KV.	..	..	10,000	
					Total	..	90,430
						Number.	KVA.
		2,000 KVA.	11/11-22 KV.	..	..	3	6,000
		1,000 KVA.	Do.	..	..	2	2,000
					Total	..	8,000

II. EXTRA HIGH TENSION SUB-STATIONS (66 KV. AND 110 KV.).

Name of station.	Number.	Voltage ratio.	Capacity in KVA.	Aggregate capacity in KVA.
1 Kozhikode	3	66/33-11 KV.	2,000	6,000
2 Cannanore	2	Do.	2,000	4,000
3 Uppatti	2	Do.	500	1,000
4 Kuthumunda	2	Do.	500	1,000
5 Manantoddy	2	Do.	250	500
6 Coimbatore R.S.	4	110/66 KV.	6,000	63,000
	7	110/66/22-11 KV.	5,000	
	1	110/22-11 KV.	4,000	
7 Tiruppur	3	66/33/22-11 KV.	1,750	5,250
	1	66/22-11 KV.	1,750	1,750
8 Udumalpet	3	Do.	3,000	7,500
		(Derated 2,500 each)		
9 Sembatti	3	Do.	1,750	5,250
10 Somanur	1	66/33-11 KV.	1,500	1,500
11 Irugur (Singanallur)	2	Do.	3,000	6,000
12 Pollachi	2	66/22-11 KV.	3,000	7,000
	1	66/33-11 KV.	1,000	
13 Puliambatti	2	Do.	1,500	3,000
14 Ingur	3	Do.	1,500	4,500
15 Kattabettu	2	110/11 KV.	1,000	2,000
Total				1,19,250

III. HIGH TENSION TRANSFORMERS.

1 Karamadai	2	22/11 KV.	500	1,000
2 Palghat	2	Do.	500	1,000
3 Olapalayam	2	33/11 KV.	1,500	3,000
Total				5,000

IV. NUMBER OF DISTRIBUTION TRANSFORMERS.

1,453 Numbers. 93,987.5 KVA.

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

(2) MOYAR STATION.

	Power-house.		Capacity in KVA.
	Numbers.	Voltage ratio.	
1 Moyar Power-house	3 × 15,000	11/110 KV.	45,000

APPENDIX I—cont.

(3) METTUR SYSTEM.

I. INSTALLED CAPACITIES OF TRANSFORMERS.

Name of station.	Numbers.	Voltage ratio.	Capacity in KVA.	Aggregate capacity in KVA.
Power-house	4	11/66-110 KV.	12,500	50,000
	3	11/11-22 KV.	2,000	6,000
Total				56,000

II. EXTRA HIGH TENSION POWER TRANSFORMER STATIONS.

Name of station.	Numbers.	Voltage ratio, KV.	Capacity in KVA.	Aggregate capacity in KVA.
1 Erode	4	110/66	8,000	* 24,000
	2	66/22-11	2,000	4,000
	1	66-33/22-11	1,000	1,000
2 Karur	3	66/33-11	1,000	3,000
3 Tiruchirappalli	3	Do.	2,500	7,500
	3	66/22-11	2,000	4,000
4 Salem	3	110/22-11	4,000	12,000
5 Dalmiapuram	3	66/22/11	2,500	7,500
6 Tanjore	2	66/33-11	1,000	2,000
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	4	110/66	8,000	24,000
	2	66/33-11	500	1,000
	1	Do.	1,000	1,000
12 Tiruppattur	4	Do.	500	2,000
13 Ambur	3	Do.	1,000	3,000
14 Vadakathipatti	3	Do.	1,250	3,750
15 Vellore	3	Do.	2,000	6,000
16 Tiruvannamalai	1	66/33-22	1,250	1,250
	1	66/33-11	1,250	1,250
17 Vettavalam	1	Do.	750	750
18 Villupuram	5	66/33-22	1,750	8,750
	1	66/22-11	3,000	3,000
19 Arni	3	66/33-11	1,500	4,500
Total				141,500

* Auto transformers.

III. HIGH TENSION POWER STATIONS.

1 Karimangalam	2	33/11	1,000	2,000
2 Ranipet	2	Do.	1,500	3,000
3 Kaveripauk	3	Do.	1,000	3,000
4 Arkonam	3	Do.	1,000	3,000
5 Pallur	3	Do.	500	1,500
6 Polur	1	Do.	500	500
7 Chidambaram	2	Do.	1,000	2,000
8 Neiveli	4	Do.	500	2,000
9 Mambakkam	2	Do.	1,000	2,000
Wandiwash	1	Do.	500	500
Total				19,500

APPENDIX I—cont.

(3) METTUR SYSTEM—cont.

IV. DISTRIBUTION TRANSFORMERS.

1,096 Numbers. 75,980 KVA.

Includes 27 numbers with capacity of 2,500 KVA. taken over from licensee.

(4) PAPANASAM SYSTEM.

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

II. EXTRA HIGH TENSION TRANSFORMER STATIONS (66 KV.).

1 Tuticorin	2	66/22-11 KV. ..	3,000	8,000
	1	Do. ..	2,000	
2 Kayattar	..	(To be revived).	..	
3 Koilpatti	3	66/33-11 KV. ..	1,000	3,000
4 Sattur	3	66/11 KV. ..	250	750
5 Virudhunagar	3	66/33-11 KV. ..	2,000	6,000
6 Rajapalayam	2	Do. ..	2,000	4,000
7 Pasumalai	3	Do. ..	5,000	15,000
8 Tenkasi	2	Do. ..	1,000	2,500
	1	Do. ..	500	
9 Sivaganga	2	66/22-11 KV. ..	3,000	7,250
	1	66/33-11 KV. ..	1,250	
10 Tirumangalam	2	66/22-11 KV. ..	3,000	7,250
	1	Do. ..	1,250	
11 Talayuthu	2	Do. ..	3,000	8,000
	1	Do. ..	2,000	
12 Melakallur	1	Do. ..	2,000	2,000
13 Sankarankoil	1	Do. ..	1,000	1,000
		Total ..	64,750	

III. HIGH TENSION TRANSFORMER STATIONS.

1 Gurumurthinaickenpatti ..	3	33/11 KV. ..	500	1,500
2 Pasumalai	1	Do. ..	5,000	5,000
	1	Do. ..	12,500	12,500
3 Sivaganga	2	22/11-3.3 KV. ..	250	500
4 Pudur	2	33/11 KV. ..	1,000	2,000
5 Srivaikuntam	3	Do. ..	750	2,250
6 Karaikudi	2	22/11 KV. ..	500	1,000
7 Paramakudi	2	Do. ..	300	600
		Total ..	25,350	

IV. DISTRIBUTION TRANSFORMERS.

561 Numbers. 31,918 KVA.

*71 Do. 3,387 KVA.

* Transformers were in possession of the East Ramanathapuram licensee taken over during the year.

APPENDIX I—cont.

(5) MADRAS SYSTEM.

I. INSTALLED CAPACITIES OF TRANSFORMERS.

Station.	Number.	Transformer voltage ratio.	Capacity in KVA.	Aggregate capacity in KVA.
1 Basin Bridge Station ..	2	11/33 KV. ..	10,000	20,000
	2	5/11 KV. ..	7,500	15,000
		Total ..		35,000

II. EXTRA HIGH TENSION TRANSFORMER POWER STATIONS (66 KV. AND 110 KV.).

1 Kancheepuram	2	110/33 KV. ..	4,000	8,000
2 Korattur	2	110/66/33 KV. ..	7,500	15,000
		Total ..		23,000

III. HIGH TENSION TRANSFORMER STATIONS (33 KV. AND 22 KV.).

Station.	Number.	Transformer voltage ratio.	Capacity in KVA.	Aggregate capacity in KVA.
(a) Step-up station—				
1 Kilpauk*	2	5/33 KV. ..	1,000	2,000*
(b) Step-down stations—				
1 Korattur	2	33/11 KV. ..	5,000	10,000
2 Kadambattur	2	Do. ..	1,000	2,000
3 Kancheepuram	3	Do. ..	500	1,500
	2	Do. ..	250	500
	2	33/11 KV. ..	250	500
4 Porur	2	Do. ..	500	1,000
5 Chromepet	1	Do. ..	500	500
6 Tambaram	1	Do. ..	500	500
	1	33/5 KV. ..	100	100
	1	33/11 KV. ..	500	500
	2	33/5 KV. ..	200	400
7 Meenambakkam	1	33/11 KV. ..	250	250
8 Kodambakkam	2	Do. ..	500	1,000
9 St. Thomas Mount ..	1	Do. ..	500	500
	2	33/5 KV. ..	300	600
10 Sembiam	1	33/11 KV. ..	1,500	1,500
11 Chingleput	2	Do. ..	500	1,000
12 Walajabad	2	Do. ..	500	1,000
13 Avadi	1	Do. ..	1,500	1,500
14 Kilanur	2	Do. ..	1,000	2,000
15 Madurantakam	2	Do. ..	500	1,000
16 Ponneri	2	Do. ..	500	1,000
17 Poonamallee	2	Do. ..	1,500	3,000
18 Perunagar	1	Do. ..	500	500
19 Uthukottai	1	Do. ..	500	500
		Total ..		34,850

* Idle at present.

c) Auto-transformers—

1 West Georgetown Sub-station.	1	11/5 KV. ..	..	1,500
2 East Georgetown Sub-station.	1	Do. ..	..	1,500
3 Mount Road Sub-station ..	3	Do. ..	..	4,500
		Total ..		7,500

APPENDIX I—cont.

(5) MADRAS SYSTEM—cont.

I. D.C. SUB-STATION.

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

IV. DISTRIBUTION TRANSFORMERS.

690 Numbers.

70,267 KVA.

APPENDICES

APPENDIX J.

Operating Revenues for the year ended 31st March 1955.

	Pykara.			Mettur.			Papanasam.			Madras (Thermal).			Grand Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Number of services.	Consumption in lakhs.	Amount.	Number of services.	Consumption in lakhs.	Amount.	Number of services.	Consumption in lakhs.	Amount.	Hydro Total Amount.	Number of services.	Consumption in lakhs.	Amount.	Grand Total Amount.
			RS.			RS.			RS.	RS.			RS.	RS.
Licences ..	5	191	5,49,370	28	2,498	69,63,282	3	282	7,45,784	75,58,436	1	20	63,810	76,22,246
H.T. Industrial ..	109	1,443	41,24,030	17	333	6,23,036	33	443	11,99,023	59,47,339	85	397	16,11,573	76,58,912
L.T. Industrial ..	1,265	104	5,88,423	927	126	7,54,911	801	86	4,83,558	18,26,892	3,209	63	4,07,603	23,24,495
Agricultural ..	9,489	490	2,77,637	5,813	214	11,43,057	2,599	59	3,19,750	37,42,494	1,775	109	6,39,803	43,82,297
Domestic ..	42,059	48	20,11,890	20,936	44	9,80,493	38,165	56	12,39,563	42,31,351	43,775	327	54,49,434	96,81,385
Commercial ..	3,610	34	2,84,352	4,035	3	66,904	22	3	73,207	4,24,463	6,258	167	22,42,436	26,66,919
Municipal ..	137	8	4,57,225	3	66	2,17,386	1	170	4,49,517	11,24,128	29	41	2,15,099	11,24,128
Street Lighting ..	108	16	2,76,779	166	8	1,45,776	100	11	2,09,339	6,31,914	4	215	6,85,459	8,47,013
Railways ..	24	16	53,726	4	91	2,84,069	1	9	35,038	3,37,795	1	380	8,09,957	10,27,554
Government ..	15	34	1,43,063	11	5	62,850	1	278	7,10,707	2,40,951	607	72	3,62,064	37,50,908
Miscellaneous departments ..	26	1,331	34,51,243	48	..	61,076	21	2	7,384	79,544	3	28	1,07,820	1,87,364
Water-works ..	4	4	16,320	3	16	55,940	1	2	7,384	79,544	..	..	20,24,579	70,77,879
Surcharges—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
War cost ..	..	..	21,26,923	..	..	16,71,474	..	..	12,54,903	50,33,300	..	..	..	..
Industrial ..	..	..	..	..	..	8,23,229	..	..	..	11,21,095	..	..	4,530	11,16,565
Hydro-electric ..	..	..	2,97,866	..	..	..	..	..	..	..	..	..	19,43,572	19,43,572
Fuel ..	..	..	..	..	..	1,19,238	..	..	1,31,806	4,43,540	..	..	..	4,43,540
Annual minimum ..	..	..	1,92,446	..	..	20,662	..	..	20,564	16,415	..	..	..	..
Special charges ..	..	..	16,317	..	..	..	..	..	..	..	..	..	..	..
Other income—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Income from Merchandizing, jobbing and commercial works ..	..	..	39,842	..	..	88,055	..	..	1,93,791	3,21,688	..	..	..	3,21,688
Income from rents and non-utility operation ..	..	..	22,342	..	..	63,726	..	..	1,44,954	2,31,022	..	..	16,529	2,47,551
Revenue from hire and lease ..	..	..	2,13,523	..	..	6,379	..	..	189	76,171	..	..	4,895	81,066
Interest from investments ..	..	..	5,48,263	..	..	4,27,453	..	..	1,56,298	11,32,004	..	..	3,37,692	14,69,696
Miscellaneous revenue ..	..	..	2,40,409	..	..	4,72,998	..	..	2,34,156	10,91,479	..	..	12,85,156	23,76,835
Net deficit ..	..	..	..	..	..	..	..	..	8,89,988	8,89,988	..	..	..	8,89,988
Total ..	56,715	3,828	1,78,99,306	31,991	3,404	1,43,13,370	41,747	1,393	85,00,134	4,07,12,810	55,747	1,319	2,09,68,872	6,16,87,682

APPENDIX J—cont.

Consolidated Balance Sheet as on 31st March 1955.

Serial number.	(1)	Balance sheet assets and other debits.		Assets and other debits.					Grand Total.
		(2)	(3)	Pykara.	Mettur.	Papanasam.	Hydro Total.	Madras (Thermal).	
			(4)	RS.	RS.	RS.	RS.	RS.	RS.
Utility Plant.									
1. Electric Plant at cost—									
(i) Generation Plant ..		7,41,30,097	98,73,881			2,78,02,908	11,18,06,886	3,74,83,360	14,92,90,246
(ii) Transmission ..		2,25,33,710	4,01,86,732			1,87,08,865	8,14,29,307	20,76,729	8,35,06,038
(iii) Distribution ..		4,71,22,664	2,65,56,971			1,66,03,798	8,92,83,333	4,13,52,335	13,06,35,668
(iv) Miscellaneous equipments ..		8,04,645	9,55,769			13,53,285	31,13,699	..	31,13,699
2. Electric Plant adjustments ..		1,26,38,364	36,33,920			36,73,559	1,99,45,843	24,74,753	2,24,20,598
3. Common Electric Plant—Tools and Plant ..		..	..			9,37,337	9,37,337	6,25,745	15,63,082
4. Common Electric Plant adjustments ..		..	..			..	..	2,87,211	2,87,211
Total, Utility Plant in service ..		15,72,29,380	8,02,07,273			6,90,79,752	30,65,16,405	8,43,00,133	39,08,16,538
Investment Fund Accounts.									
5. Other physical property ..		..	..			..	..	..	..
6. Investments—									
(a) Depreciation Reserve Fund ..		1,66,61,817	1,06,31,812			48,86,544	3,22,30,173	1,29,55,513	4,51,85,686
(b) Special Reserve Fund ..		65,99,567	39,80,645			18,85,316	1,24,65,528	19,11,845	1,43,77,373
7. Investments with Accountant-General—									
(a) Pension Contributions ..		11,61,945	..			4,85,529	16,47,474	5,37,532	21,85,006
(b) General Provident Fund Contributions ..		4,58,190	..			1,11,343	5,69,533	..	5,69,533
8. Investments with Government ..		..	..			..	..	..	..
9. (a) Investments in P.O.Cs. and N.S.Cs., etc., by subordinates.		59,940	44,306			3,50,250	4,60,496	7,900	4,68,396
(b) Investment in securities ..		10,88,442	4,68,955			..	15,57,397	50,300	16,07,697
(c) Investments in P.O.Cs. and N.S.Cs.		6,83,710	..			1,72,540	8,56,250	9,03,315	17,59,565
Total Investments and Fund Accounts, Fidelity bonds held, G.P. notes, etc. ..		2,67,13,611	1,51,75,718			78,97,522	4,97,86,851	1,63,66,405	6,61,3,256
		2,97,900	..			1,06,900	4,04,800	35,500	4,40,300

Cash ..	2,301	1,723	1,608	5,632	16,700	2,333
Working Funds—						
(i) Petty Cash ..	25,768	22,188	..	47,956	92,476	1,40,432
(ii) Temporary Advances ..	1,35,327	58,096	99,396	2,92,819	17,179	3,09,998
Cheques, Demand drafts, Note receivable ..	..	..	..	..	40,558	40,558
Temporary Advances ..	..	..	..	..	..	..
Advances recoverable and other advances ..	..	..	15,101	15,101	67,20,558	67,35,659

Accounts Receivable—

Sale of Power ..	..	..	..	..	..	..
War Costs Surcharge ..	..	..	..	..	..	..
Miscellaneous Revenue ..	11,70,750	8,91,284	6,43,602	27,05,636	22,56,221	49,61,857
Accrued Utility Revenue ..	16,17,408	11,20,972	41,15,300	68,53,680	19,56,616	88,10,296
Materials and Supplies ..	39,27,051	75,51,658	93,87,827	2,08,64,536	1,05,18,634	3,13,83,070
Pre-payments ..	17,10,435	22,02,352	..	39,12,837	..	39,12,837
London Stores ..	..	28,03,110	79,228	28,82,338	..	28,82,338
Other Current and Accrued Assets ..	10,02,144	2,70,635	..	12,72,779	..	12,72,779
Miscellaneous items of Revenue ..	30,060	..	..	30,060	1,01,046	1,34,106
Total, Current and Accrued Assets ..	94,57,898	1,48,40,011	1,42,23,957	3,85,21,866	1,48,35,417	5,33,57,283

Deferred Debits—

Retirement Work in Progress ..	7,54,883	..	3,84,762	11,39,645	8,48,997	19,88,642
Other Works in Progress (Services Connections).	12,08,704	..	5,59,465	17,68,169	16,75,084	34,43,253
Projects under construction ..	1,09,87,609	20,50,289	27,26,090	1,57,63,988	90,67,300	2,48,31,288
Other Deferred Accounts (interest and audit fees).	8,86,599	69,279	90,996	10,46,874	2,88,350	13,35,233
Grand total ..	20,76,99,980	11,24,24,577	9,51,85,549	41,53,10,106	13,43,04,606	64,96,14,773

APPENDIX J—cont.

Consolidated Balance Sheet as on 31st March 1955—cont.

Serial number.	Balance sheet liabilities and other credits.	Liabilities and other credits.					Grand Total.
		Pylara.	Mettur.	Papanasam.	Hydro total.	Madras (Thermal).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		RS.	RS.	RS.	RS.	RS.	RS.
Capital and Borrowing.							
Subventions by Government	..	10,72,51,749	6,04,02,927	7,49,89,536	24,26,44,212	8,01,44,035	32,27,88,247
Securities purchased	..	2,32,61,384	1,46,62,457	67,71,860	4,46,96,701	1,48,67,358	5,95,63,059
Total, Capital	..	13,05,13,133	7,50,65,384	8,17,61,396	28,73,39,913	9,50,11,393	38,23,51,306
Long-term Obligations consumer's deposits.							
(i) In P.O.Cs. and N.S.Cs., etc. ..	..	6,83,710	3,96,755	4,91,840	15,72,305	9,03,315	24,75,620
(ii) Securities	..	..	..	..	..	..	..
(iii) Cash	..	11,13,957	7,27,633	7,04,817	25,46,407	18,93,626	44,40,033
(iv) In Government Promissory notes ..	..	2,97,900	72,200	96,400	4,65,500	85,800	5,51,300
(v) Employees' securities	..	58,290	44,436	48,450	1,51,176	7,900	1,59,076
Deposits (contractors)	..	2,211	1,885	3,752	7,848	1,65,492	1,73,340
Other long-term deposits	..	23,98,024	8,30,440	..	32,28,464	20	32,28,484
Notes payable	..	..	..	..	..	..	..
Accounts payable	..	..	..	..	..	..	..
(i) Contractors	..	16,142	10,885	..	27,027	18,27,981	18,55,008
(ii) Suppliers	..	17,45,579	21,12,648	18,21,565	56,79,792	34,98,957	91,75,749
London Stores	..	2,25,458	4,95,785	38,775	7,60,018	5,87,720	13,47,738
Consumer's deposits for service connections ..	..	4,62,138	3,23,301	2,22,868	10,08,307	6,65,133	16,73,440
Taxes assessed	..	..	..	..	..	..	..
Interest accrued	..	..	..	..	..	..	..
Advances for contributions (D.C.W.) ..	..	17,749	..	1,651	19,400	45,011	64,411
Other credits and accrued credits	..	31,317	..	5,65,257	5,96,574	12,53,108	18,49,882
Salaries and wages due	..	6,38,291	1,62,236	1,90,878	9,91,405	22,03,107	31,94,512

Reserve for

(i) Depreciation	..	1,68,51,487	1,08,03,156	51,79,392	3,28,34,035	1,32,76,009	4,61,10,044
(ii) Extraordinary cases	..	68,84,130	41,25,985	20,57,924	1,30,68,039	20,53,663	1,51,21,702
(iii) Estabilisation of Assets	..	..	..	..	..	..	..
(iv) Development	..	..	..	..	..	..	..
(v) Amortization of Electric Plant Adjustment ..	..	..	..	..	..	..	..
(vi) Unedlective Bills	..	..	..	..	..	..	..
(vii) Insurance	..	..	..	..	..	..	..
(viii) Injuries and Damages	..	..	..	..	..	..	..
(ix) Employees' Provident Fund	..	16,20,134	..	1,11,343	17,31,477	5,37,532	22,69,009
(x) Leave salaries	..	..	..	..	..	..	..
(xi) Other reserves	..	32,04,466	..	4,55,529	37,49,995	..	37,49,995
(xii) Reserve for Tools and Plant	..	4,24,297	..	..	4,21,297	3,22,550	7,46,847
Total reserves	..	2,90,44,514	1,49,29,141	78,34,188	5,18,07,843	1,61,89,754	6,79,97,597
Service connection consumers side as per contra.	..	12,08,704	..	5,59,465	17,68,169	16,75,084	34,43,253
Earned Surplus	..	3,92,42,863	1,72,51,848	8,45,247	5,73,39,958	82,91,265	6,56,31,223
Grand total	..	20,76,99,980	11,24,24,577	9,51,85,549	41,53,10,106	13,43,04,666	54,96,14,772

APPENDICES

APPENDIX J—cont.

Pykara Electricity System.

Schemes. (1)	Direct Outlay. (2) RS.	Indirect Charges. (3) RS.
1 Pykara-Coimbatore-Madura III Circuit Line ..	75,65,570	6,43,381
2 South Kanara Extensions	34,22,039	2,43,218
Total ..	1,09,87,609	8,86,599

Mettur Electricity System.

1 Salem-Namakkal	9,35,566	31,493
2 Singarapet-Villupuram 110 K.V. line extension.	11,14,462	87,776
3 Neiveli-Villupuram	261	10
Total ..	20,50,289	69,279

Papanasam Electricity System.

1 Papanasam-Tinnevely-Kayathar	27,26,090	90,996
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Madras Electricity System.

1 Madras Power Station extensions II & III stage works.	90,67,300	2,88,359
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APPENDICES

APPENDIX II.

List of staff employed.

Systems and circles.	Engineering.		Draughtsman.		Accounting and Clerical.		Store-keepers.		Bill collectors.	Last grade staff.	Nominal muster.	Operation and workshopped. Sub-ordinate Services.	Other technical staff.	Total
	Gazetted.	Non-Gazetted.	Gazetted.	Non-Gazetted.	Gazetted.	Non-Gazetted.	Gazetted.	Non-Gazetted.						
Chief Engineer (Electricity).	9	..	..	2	4	98	..	..	..	35	..	..	..	148
Chief Electrical Inspector to Government.	5	6	..	..	3	34	..	..	3	23	..	..	..	34
Chief Controller of Accounts.	1	..	..	..	10	62	..	..	..	20	..	..	..	93
Superintending Engineer, Technical (Electrical).	28	54	1	22	..	62	..	..	..	48	..	..	..	214
Superintending Engineer, Technical (Civil).	19	28	1	50	..	86	..	..	..	62	..	6	..	202
Pykara	45	118	..	15	9	456	1	23	120	208	1,464	1,425	..	3,884
Mettur	35	145	..	17	7	382	1	34	93	194	1,404	1,571	13	3,896
Papanasam	32	109	..	18	7	323	1	27	102	157	1,386	1,032	..	3,194
Generation, Erode	26	87	..	6	1	58	..	8	..	56	588	739	42	1,411
Madras (including) Generation.	57	171	..	35	10	460	1	59	23	187	2,381	2,027	7	5,398
General Construction Circle (including Kundah).	30	42	..	24	3	144	..	11	..	92	834	194	4	1,378
Periyar	14	32	..	11	2	66	1	7	..	38	1,463	113	..	1,747
Total ..	266	792	2	200	56	2,181	5	149	341	1,120	9,320	7,119	63	21,649

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, 1954.

Udipi Undertaking taken over on 1st June 1951.

Details.	1950-51.	1951-52.		1952-53.	1953-54.	1954-55.	1955-56.
		From 1st April to 15th June 1951.	From 16th June 1951 to 31st March 1952.				
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
1 Gross revenue	1,09,500	18,350	57,786	1,20,959	1,66,491	1,89,917	1,89,234
2 Operation and maintenance.	1,01,538	17,954	55,343	1,09,955	1,30,253	1,36,819	1,50,436
3 Contribution to Depreciation Reserve Fund.	7,500	..	..	..	..	..	..
4 Contribution to Special Reserve Fund.	..	..	..	..	..	..	..
5 Total working expenses	1,09,088	17,954	55,343	1,09,955	1,30,253	1,36,819	1,50,436
6 Net revenue	412	396	2,443	11,004	36,233	53,098	38,798

APPENDIX M.

Details of investments.

Details.	Face value.		Purchase price.		
	RS.		RS.	A.	P.

Pykara Hydro-Electricity System.

Depreciation Reserve Fund, 31st March 1956—

1 Madras 3 per cent Loan, 1959	..	..	..	1,70,300	1,64,780	7	0
2 Do. 1960	..	..	..	9,17,200	9,01,575	8	0
3 Madras 2½ per cent Loan, 1961	..	..	..	13,84,500	13,23,168	12	0
4 Madras 3½ per cent Loan, 1962	..	..	..	18,00,000	17,55,000	0	0
5 Government of India 3 per cent C.L., 1946	..	..	..	8,40,000	8,46,775	0	0
6 Government of India 3 per cent Loan, 1959-61	..	..	..	22,60,000	22,38,162	8	0
7 Do. 1957	..	..	..	3,96,900	3,99,232	4	0
8 Do. 1963-65	..	..	..	17,50,000	16,60,312	8	0
9 Government of India 4 per cent Loan, 1960-70	..	..	..	4,000	4,517	8	0
10 Government of India 3 per cent Loan, 1970-75	..	..	..	19,75,000	19,20,531	4	0
11 Government of India 3½ per cent National Plan Bonds, 1961.	..	..	..	15,64,300	15,37,786	0	0
12 Government Securities 2½ per cent Loan, 1963	..	..	..	7,00,000	6,41,375	0	0
13 Government of India 3½ per cent National Plan Bonds, 1964.	..	..	..	33,13,300	32,63,600	8	0
14 Government of India 3½ per cent National Plan Loan, 1964.	..	..	..	14,29,600	14,09,469	4	0
15 Government of India 3½ per cent National Plan Bonds, 1965.	..	..	..	11,84,200	11,66,749	8	0
16 Government of Madras 4 per cent Loan, 1967	..	..	..	9,25,000	9,21,789	1	0
Total	..	..	..	1,96,14,300	2,01,59,825	0	0

Special Reserve Fund—

1 Madras 3 per cent Loan, 1959	..	..	..	43,600	41,640	3	0
2 Do. 1960	..	..	..	2,98,300	2,96,808	8	0
3 Madras 2½ per cent Loan, 1961	..	..	..	3,60,000	3,61,293	12	0
4 Government of India 3 per cent C.L., 1946	..	..	..	9,00,500	7,83,963	2	0
5 Government of India 3 per cent Loan, 1959-61	..	..	..	14,84,000	14,51,933	12	0
6 Do. 1957	..	..	..	2,00,900	2,02,890	4	0
7 Do. 1963-65	..	..	..	5,50,000	5,23,750	0	0
8 Do. 1970-75	..	..	..	3,83,000	3,83,000	0	0
9 Do. 1966-68	..	..	..	4,30,000	4,13,337	8	0

APPENDIX M—cont.

Details of investments—cont.

Details.	Face value.		Purchase price.		
	RS.		RS.	A.	P.

Pykara Hydro-Electricity System—cont.

Special Reserve Fund—cont.

10 Government of India 3½ per cent National Plan Bonds, 1961.	6,83,700	6,72,176	8	0
11 Government of India 2½ per cent Loan, 1963	2,00,000	1,83,250	0	0
12 Government of India 3½ per cent National Plan Bonds, 1964.	13,05,100	12,85,523	8	0
13 Government of India 3½ per cent National Plan Loan, 1964.	8,00,000	7,89,500	0	0
14 Government of India 3½ per cent National Plan Bonds, 1965.	8,07,300	7,96,190	8	0
Total	84,46,400	81,85,257	9	0
Total, Pykara	2,90,60,700	2,83,45,082	9	0

Mettur Electricity System.

Depreciation Reserve Fund—

1	Madras 3 per cent Loan, 1959	1,56,600	1,52,590	14	0
2	Do. 1960	4,82,400	4,79,988	0	0
3	Madras 2½ per cent Loan, 1961	5,70,000	5,72,006	4	0
4	Madras 3½ per cent Loan, 1962	10,00,000	9,75,000	0	0
5	Government of India 3 per cent C.L., 1946	5,00,000	5,04,687	8	0
6	Government of India 3 per cent Loan, 1959-61	16,84,000	16,44,058	12	0
7	Do. 1957	5,64,000	5,65,520	0	0
8	Do. 1963-65	23,03,800	21,58,707	4	0
9	Do. 1970-75	17,42,000	16,92,718	12	0
10	Government of India 3½ per cent National Plan Bonds, 1961.	6,92,100	6,79,988	4	0
11	Government Securities 2½ per cent Loan, 1963	4,00,000	3,66,500	0	0
12	Government of India 3½ per cent National Plan Loan, 1964.	18,09,000	17,82,430	14	0
13	Government of India 3½ per cent National Plan Bonds, 1965.	3,00,000	2,95,500	0	0
	Total ..	1,22,03,900	1,18,69,696	8	0

Special Reserve Fund—

1	Madras 3 per cent Loan, 1959	..	..	98,700	94,592	11	0
2	Do. 1960 ..	..	..	2,00,900	1,99,958	0	0
3	Madras 2½ per cent Loan, 1961	..	..	2,24,000	2,24,782	8	0
4	Government of India 3 per cent C.L., 1946 ..	..	..	2,00,000	2,01,875	0	0
5	Government of India 3 per cent Loan, 1959-61	..	..	9,34,000	9,01,371	4	0
6	Do. 1957	..	..	2,84,400	2,86,727	8	0
7	Do. 1963-65	..	..	8,40,000	7,85,925	0	0
8	Do. 1970-75	..	..	3,55,000	3,55,000	0	0
9	Do. 1966-68	..	..	3,30,000	3,17,212	8	0
10	Government of India 3½ per cent National Plan Bonds, 1961.			2,29,000	2,24,992	0	0
11	Government Securities 2½ per cent Loan, 1963	..	..	1,00,000	91,825	0	0
12	Government of India 3½ per cent National Plan Loan, 1964.			8,01,100	7,90,021	0	0
13	Government of India 3½ per cent National Plan Bonds, 1965.			800	788	0	0
	Total ..			45,97,900	44,74,870	15	0
	Total, Mettur ..			1,68,01,800	1,63,44,567	7	0

APPENDIX M—cont.

Details of investments—cont.

Details.	Face value. Rs.	Purchase price. Rs. A. P.		
Papanasam Electricity System.				
<i>Depreciation Reserve Fund—</i>				
1 Madras 3 per cent Loan, 1960	76,600	76,217	0	0
2 Do. 1961	78,000	78,390	0	0
3 Government of India 3 per cent Loan, 1946 ..	85,000	85,659	6	0
4 Government of India 3 per cent Loan, 1970-75 ..	4,91,300	4,91,300	0	0
5 Do. 1970-75 ..	9,50,000	9,24,062	8	0
6 Do. 1970-75 ..	6,17,000	5,46,816	4	0
7 Government of India 3½ per cent National Plan Bonds, 1961.	97,700	95,990	4	0
8 Government of India 3½ per cent Loan, 1959-61 ..	11,00,000	10,56,687	8	0
9 Government Securities 2½ per cent Loan, 1963 ..	7,00,000	6,41,375	0	0
10 Government of India 3½ per cent National Plan Loan, 1964.	22,07,500	21,75,202	7	0
Total ..	64,03,100	61,71,700	5	0
<i>Special Reserve Fund—</i>				
1 Madras Government 2½ per cent Loan, 1961 ..	28,000	28,140	0	0
2 Madras Government 3 per cent Loan, 1960	24,600	24,477	0	0
3 Government of India 3 per cent Loan, 1957	1,96,500	1,96,500	0	0
4 Do. 1946	35,000	35,190	10	0
5 Do. 1970-75 ..	1,80,000	1,80,000	0	0
6 Do. 1966-68 ..	2,00,000	1,92,250	0	0
7 Do. 1963-65 ..	2,60,000	2,40,825	0	0
8 Do. 1963-65 ..	2,60,000	2,40,825	0	0
9 Government of India 3½ per cent National Plan Bonds, 1961.	25,400	24,955	8	0
10 Government of India 3 per cent Loan, 1959-61 ..	4,00,000	3,84,250	0	0
11 Government Securities 2½ per cent Loan, 1963 ..	2,00,000	1,83,250	0	0
12 Government of India 3½ per cent National Plan Bonds, 1964.	4,01,500	3,95,477	8	0
13 Government of India 3½ per cent National Plan Bonds, 1965.	4,03,300	3,97,375	8	0
Total ..	23,54,300	22,82,691	2	0
Total, Papanasam ..	87,57,400	84,54,391	7	0

Madras Electricity System.

<i>Depreciation Reserve Fund—</i>				
1 Government of India 3 per cent Loan, 1970-75 ..	14,00,000	14,00,000	0	0
2 Do. 3 per cent Loan, 1963-65 ..	11,20,000	10,87,800	0	0
3 Do. 3 per cent Loan, 1960-70 ..	18,80,400	19,10,956	8	0
4 Do. 3½ per cent Loan, 1962 ..	8,87,900	8,65,702	8	0
5 Do. 3 per cent Loan, 1959-61 ..	18,00,000	17,29,125	0	0
6 Government of India 3½ per cent National Plan Bonds, 1961.	7,93,800	7,79,908	0	0
7 Government of India 3½ per cent National Plan Bonds, 1964.	34,13,600	33,62,396	0	0
8 Government of India 3½ per cent National Plan Loans, 1964.	14,04,300	13,84,081	15	0
9 Mysore Government 4 per cent Loan, 1963 ..	5,00,000	4,97,500	8	0
10 Government Securities 2½ per cent Loan, 1963 ..	9,00,000	8,24,625	0	0
11 Hyderabad State 4 per cent Loan, 1963 ..	5,00,000	4,97,500	0	0
Total ..	1,46,00,000	1,43,39,595	7	0

APPENDIX M—cont.

Details of investments—cont.

Details.	Face value. RS.	Purchase price. RS. A. P.		
<i>Madras Electricity System—cont.</i>				
<i>Special Reserve Fund—</i>				
1 Government of India 3 per cent Loan, 1970-75 ..	1,60,000	1,60,000	0	0
2 Do. 1966-68 ..	5,00,000	4,64,500	0	0
3 Government of India 3½ per cent National Plan Bonds, 1961.	1,27,200	1,24,974	0	0
4 Government of India 3 per cent Loan, 1956-61 ..	6,00,000	5,76,375	0	0
5 Government Securities 2½ per cent Loan, 1963 ..	1,00,000	91,625	0	0
6 Government of India 3½ per cent National Plan Bonds, 1964.	5,01,900	4,94,371	8	0
7 Government of India 3½ per cent National Plan Bonds, 1965.	5,04,400	4,96,834	0	0
Total ..	24,93,500	24,08,679	8	0
Total, Madras ..	1,70,93,500	1,67,48,274	15	0
Grand total ..	7,17,13,400	6,98,92,316	6	0

APPENDIX N.

Percentage of progress on construction in 1955-56.

Serial number and name of scheme.	Budget estimate for 1955-56.	Actuals during 1955-56.	Percentage.	Remarks.
	(IN LAKHS OF RUPEES.)	(IN LAKHS OF RUPEES.)		
1 Construction of III Circuit line from Pykara to Coimbatore and Madurai.	8.03	22.48	728.24	Due to acceleration of works programme.
2 66 K.V. Extension to and construction of a S.S. at Pollachi.	7.39	0.41	5.55	Provision carried over to 1956-57.
3 Supply of power to South Kanara ..	12.08	18.24	150.99	P. and T. debit of the previous year carried over to the current year.
4 Salem-Namakkal	25.49	10.39	40.76	Provision reduced in the F.M. based on C.O.'s stores st.
5 Singarapet-Villupuram	80.32	82.10	89.96	Decrease due to non-receipt of materials.
6 Neivel-Villupuram	14.97	0.02	0.13	Postponement of work.
7 Erode-Trichy III Circuit	..	5.72	..	Provision was originally under Mettur Hydro-Electric Scheme included.
8 Villupuram-Pondicherry III Circuit ..	..	0.08	..	Provision was originally under Mettur Hydro-Electric Scheme.
9 Periyar	109.17	89.23	81.78	Non-receipt of equipments.
10 Kundah	..	14.15	..	The scheme was not sanctioned. Actuals represent only expenditure on preliminary works.
11 Madras 'B' Station	162.17	118.88	70.19	Carry over of provision to next year.

APPENDIX O.

Line and transformer losses (in millions of units), 1955-56 (April 1955 to March 1956).

Name of system.	Generation.	Purchases.		Station consumption.	Total power available for sale.		Sales.		Loss.	
		From other systems.	From other sources.		Total.	(5)	To other systems.	Within the system.	Units.	Percentage.
(1)	(2)	(3)	(4)	(3)	(5)	(6)	(7)	(8)	(10)	(11)
Pylkara ..	508.024	1.075	58.167	1.357	59.524	565.873	218.810	283.450	63.613	11.2
Mettur ..	213.761	2.185	227.661	..	227.661	439.237	88.687	291.389	59.161	13.5
Papanasani ..	148.274	3.057	26.262	0.056	26.318	171.535	23.859	125.784	21.892	12.8
Madras ..	183.257	14.612	54.379	..	54.379	223.024	35.113	159.430	28.481	12.8
Total ..	1053.316	21.529	366.469	1.413	367.882	1,399.669	366.469	860.053	173.147	12.4

APPENDIX P.

Utilization of power (in millions of units) and revenue by sale of power (in lakhs of rupees), 1955-56.

Detailed classification.	Urban.			Rural.			Total units.			Revenue by sale of power.		
	L.T.	H.T.	Total.	L.T.	H.T.	Total.	L.T.	H.T.	Total.	L.T.	H.T.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1 Domestic Light and Power.	45.821	0.973	46.794	17.332	0.078	17.410	63.153	1.051	64.204	141.92	0.84	142.76
2 Commercial Light and Power.	17.148	17.166	34.313	2.274	0.008	2.282	19.422	17.174	36.596	32.29	9.47	41.76
3 Street Light.	3.177	3.816	6.993	2.354	..	2.354	5.531	3.816	9.347	11.64	2.58	14.22
4 Industrial ..	20.065	133.456	153.521	27.256	144.233	171.489	47.321	277.689	325.010	34.54	106.17	140.71
5 Agricultural ..	5.659	..	5.659	86.695	0.410	87.105	92.354	0.410	92.764	62.68	0.20	62.88
6 Traction ..	..	12.546	12.546	..	..	..	..	12.546	12.546	..	5.61	5.61
7 Bulk Supply ..	..	76.396	76.396	..	200.980	200.980	..	277.376	277.376	..	99.65	99.65
8 Government Departments.	5.958	1.079	7.037	0.013	7.302	7.315	5.971	8.381	14.352	10.14	4.25	14.39
9 Miscellaneous	2.516	12.622	15.138	1.829	2.328	4.157	4.345	14.950	19.295	7.69	14.49	22.18
Total ..	100.344	258.054	358.398	137.753	355.339	493.092	238.097	613.393	851.490	300.90	243.26	544.16
10 Sales to other systems.	..	33.749	33.749	..	330.282	330.282	..	364.031	364.031	..	108.94	108.94
Grand total ..	100.344	291.803	392.147	137.753	685.621	823.374	238.097	977.424	1,215.521	300.90	352.20	653.10

MISCELLANEOUS.



PUBLIC WORKS DEPARTMENT

(Electricity)

G.O. No. 5212, 18th December 1956

Electricity Department—Administration Report for 1955-56—Recorded.

READ—the following papers :—

From the Chief Engineer (Electricity) No. 1-Ad/55-57, dated 26th June 1956, No. 1-Ad/56-62, dated 9th July 1956, No. 1-Ad/56-65, dated 12th July 1956, No. 1-Ad/56-78, dated 31st August 1956 and No. 84/X/S-2/56-26, dated 11th September 1956.

Order—No. 5212, P.W. (Electricity), dated 18th December 1956.

Recorded.

2. This is the twenty-ninth Annual Report of the Government Electricity Department. The year being the final year of the First Five-Year Plan was marked by the intense activity of the Department particularly on the construction side. The targets set under the First Five-Year plan were more or less achieved by the Department by the end of the year. The following works connected with the First Five-Year Plan, viz., Madras Plant Extensions III Stage, the Periyar Hydro-Electric Scheme, the Transmission and Distribution Schemes, etc., were in various stages of progress at the end of the year. The aggregate demand for power under the Government systems during the year under review was 2,08,630 K.W. as against 181,699 K.W. in 1954-55 and the total number of units generated was 1,054.63 million units as against 933.67 million units in 1954-55. The total capital outlay on schemes which have come into operation at the end of the year was Rs. 4,603.26 lakhs as against Rs. 3,430.65 lakhs at the end of 1954-55. The gross revenue realized by the department during the year was Rs. 703.08 lakhs as against Rs. 597.25 lakhs in 1954-55. The net revenue realized before deducting interest charges was Rs. 252.92 lakhs which yields a return of 5.5 per cent on the capital outlay as at the end of 1955-56 as

against the corresponding figure of 6.4 per cent for the previous year. The net profit earned by the department during the year after meeting interest charges was Rs. 65.74 lakhs or 1.4 per cent on the capital outlay as against 2.08 per cent in 1954-55. The units generated at the various stations were as follows :—

	Year of operation.	Number of units generated (in millions).
Hydro-Electric—		
1 Pykara	Twenty-Third	355.35
2 Moyar	Fourth	151.72
3 Mettur	Nineteenth	213.78
4 Papanasam	Twelfth	119.85
Thermal (Steam)		
5 Madras	Ninth	183.25
6 Madurai	Sixth	28.41
Thermal (Diesel)—		
7 Udipi	Fifth	0.94
8 Karkala	Fifth	0.94
Power purchased from Mysore and other sources—		
9 Kollegal	Eighth	0.89
10 Fort Cochin	Fifth	0.46

3. Capital expenditure during the year on projects and extensions under construction totalled about Rs. 1,107 lakhs which is a record figure for the Madras State after Andhra partition. The following major construction works were completed during the year :—

(i) A 6 MVA. M. V. make 110/66 K.V. auto-transformer was installed at the Coimbatore Receiving Station and energised on 21st February 1956.

(ii) The Erode-Salem 66 K.V. line was changed over to 110 K.V. operation on 29th January 1956.

(iii) The Talayuthu and Sankarankoil sub-stations were energised at 66 K.V. on 17th April 1955 and 9th April 1955 respectively.

4. The preliminary works on the Kundah Hydro-Electric Scheme were commenced during the year.

5. The following electrical undertakings were taken over by the Government under the Madras Electricity Undertakings (Acquisition) Act, 1954 :—

- (i) Bodinayakanur Municipal Electrical Undertaking.
- (ii) Tiruppattur Municipal Electrical Undertaking.
- (iii) Palghat Electric Supply Corporation.
- (iv) Carnatic Electric Supply Corporation (Ambur-Vaniyambadi Licensee).
- (v) East Ramnad Electric Supply Corporation.
- (vi) Chingleput Electric Supply Company.

6. Due to the failure of monsoons, the water position in the hydel reservoirs at the end of the year was unsatisfactory. However, the necessity to impose any power cut did not arise till the end of the year.

7. The surcharges in force on consumers in the hydro-electric and Madras Electricity Systems were continued during the year.

8. The restriction and control and freezing orders continued to be in force.

9. Rural electrification in the State received considerable impetus and priority given for agricultural pumping was continued. Seven thousand nine hundred and sixty-two agricultural pumpsets were connected up by the Department as against 2,967 during 1954-55 and 514 by the licensees during the year as against 493 for the previous year. Supply was extended by the department to 870 villages and towns during the year as against 265 in 1954-55 and 75 villages by the licensees during the year as against 42 during the previous year.

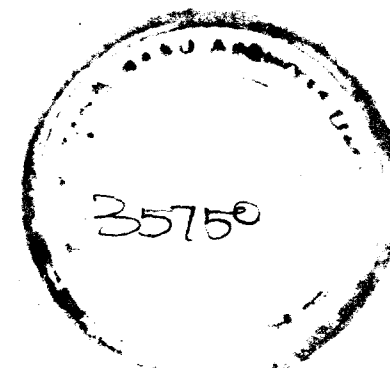
10. The total mileage of the departmental transmission and distribution lines in operation during the year was 15,471 comprising 7,343 miles of H.T. lines and 8,128 miles of L.T. lines as against the corresponding figures of 6,014 miles and 5,932 miles respectively for 1954-55.

11. The Governor of Madras places on record his appreciation of the continued good work done by the Electricity Department during the year.

(By order of the Governor)

S. K. CHETTUR,
Secretary to Government.

To the Chief Engineer (Electricity).
" Chief Electrical Inspector to Government.
" Public Department.



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