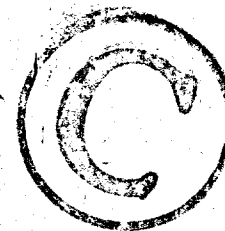


32875

ADMINISTRATION REPORT
OF THE
HIGHWAYS DEPARTMENT
1956-57



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ADMINISTRATION REPORT OF THE HIGHWAYS DEPARTMENT, 1956-57.

GENERAL.

The year under review was of historical importance, during which the reorganization of States took place with effect from 1st November 1956. Under the reorganization of States, the whole of Malabar and South Kanara districts formed part of the Kerala State and the Kollegal taluk in Coimbatore district was transferred to Mysore State while the whole of Kanyakumari district and Shencottah taluk in erstwhile Travancore-Cochin State were merged with the present Madras State. Consequent on this reorganization of States, Government of Madras prescribed a uniform procedure in the preparation of Administration Report for 1956, i.e., (i) a combined report for the period up to 31st October 1956 including the report relating to the districts of Malabar and South Kanara and Kollegal taluk of Coimbatore districts which was separated from the Madras State with effect from 1st November 1956, and (ii) the other for the post-reorganization period entirely to (residuary) Madras State as reconstituted with effect from 1st November 1956, including the areas transferred to Madras State on the date of reorganization.

Accordingly, the report relating to the year under review is prepared and published.

CHAPTER I.

SUMMARY.

1. *Accomplishments.*—During the year under report, the Highways Department continued to execute works on all categories of roads, viz., National Highways, Provincial Highways, Major and other District Roads, Village Roads and the balance of Major District Roads under District Boards, the expenditure on works on National Highways having been financed by the Government of India. The Department continued to pursue its established policy of forming more and more new roads and extending the mileage of improved surfacings of the existing roads. Thus several roads running through both Rural and Urban areas or those subjected to heavy traffic were treated with appropriate types of improved surfacing such as cement concrete, surface dressing with pre-coated chips, etc.

It has been the policy of this department that all National Highways, Provincial Highways and Major District Roads should be taken over by Government from the local bodies in order to relieve them of the responsibility of maintaining these classes of roads and enable them to concentrate their resources on roads of rural importance. In pursuance thereof, a length of 429 miles of roads were taken over to Government during the period from 1st April to 31st October 1956 and 25 miles from 1st November 1956 to 31st March 1957 bringing up the total mileage of Government roads to 9,538 miles as on 31st October 1956 and 8,566 miles as on 31st March 1957. The details of roads taken over during the year are given in Annexure 7. The activities of the Department have been increasing year by year. An indication is given below by the figures of total

expenditure on all Government and District Board works, which gives an account of the increasing volume of works, carried out by this Department in the past and during the year under report—

Year.	Expenditure on Government Roads and District Board Road and Non-Road Works. (RUPEES IN LAKHS.)	
1943-47	375	Composite State of Madras.
1947-48	437	
1948-49	627	
1949-50	751	
1950-51	808	
1951-52	881	
1952-53	987	Residuary Madras State.
1953-54	487	
1954-55	449	
1955-56	532	
1956-57—		
(i) 1st April to 31st October 1956	315	
(ii) 1st November 1956 to 31st March 1957.	218	

A brief summary of accomplishments of the Department in the year 1956-57 is rendered below :—

Government Roads—(a) From 1st April to 31st October 1956.—Two miles of roads were cement concreted, 266 miles were black topped, 6 miles metalled and 3 miles of new roads were formed. Besides, 18 bridges and culverts were constructed and special repairs to the extent of Rs. 17.44 lakhs were carried out.

(b) From 1st November 1956 to 31st March 1957.—Six miles of roads were cement concreted, 313 miles were black topped, 18 miles were metalled and 24 miles of new roads were formed, while 11 bridges and culverts were constructed and special repairs to the tune of Rs. 12.71 lakhs were carried out.

District Board Roads—(a) 1st April to 31st October 1956.—Thirty-one miles of roads were black topped, 200 miles were metalled, 65 miles of new roads were formed and 9 bridges, culverts and causeways were constructed, besides carrying out special repairs to the extent of Rs. 4.61 lakhs.

(b) From 1st November 1956 to 31st March 1957.—Fourteen miles of roads were black topped, 113 miles were metalled and 132 miles of new roads were formed, 10 bridges, culverts and causeways were constructed. In addition, special repairs to the extent of Rs. 1.29 lakhs were carried out.

2. Expenditure.—The particulars of final grant and actual expenditure incurred during the year 1956-57 in respect of Government and District Board works are given below :—

Nature of work.	Final grant for 1956-57.	Expenditure 1956-57— from 1st April to 31st October 1956.		From 1st November 1956 to 31st March 1957.	
		Amount (lakhs of rupees).	Per cent of final expenditure to the final grant.	Amount (lakhs of rupees).	Per cent of final expenditure to the final grant.
Government roads—					
Capital Works (including P.W.R.D.).	143.26	62.49	Not furnished.	51.63	Not furnished.
Maintenance ..	248.80	19.18		65.20	
Total Government roads.	392.06	252.67		116.83	
District Board Works—					
Capital Works on Roads (including P.W.R.D.).	66.16	20.56	Not furnished.	39.15	Not furnished.
Maintenance ..	87.16	35.59		52.62	
Non-Road Works	36.30	6.38		8.99	
Total District Board Works.	189.62	62.53		100.76	
Grand total	581.68	315.20		217.59	

Expenditure in rupees.

	New construction.		Maintenance.	
	From 1st April 1956 to 31st October 1956.	From 1st November 1956 to 31st March 1957.	From 1st April to 31st October 1956.	From 1st November 1956 to 31st March 1957.
Government Roads—				
National Highways ..	21,21,555	17,79,355	24,22,731	15,88,933
Provincial Highways ..	10,72,326	3,60,424	37,95,316	9,71,124
Major District Roads ..	30,50,532	29,35,641	1,23,94,926	36,92,044
Other District Roads ..	4,803	87,800	1,35,779	89,272
Maintenance of Avenues.	..	..	2,69,328	1,78,157
Total ..	62,49,216	51,63,220	1,90,18,080	65,19,550
District Board Roads—				
Major District roads ..	6,96,743	9,31,665	12,99,811	14,11,291
Other District roads ..	2,17,680	4,26,769	13,28,459	18,77,435
Village roads ..	11,41,181	25,56,237	8,83,766	19,26,425
Maintenance of Avenues.	..	..	47,069	45,795
Total ..	20,55,604	39,14,671	35,59,105	52,61,646

The following statement shows the cost of establishment as percentage of the expenditure on works during the year 1956-57 with corresponding figures for the previous years for comparison :—

Year.	Expenditure on works inclusive of tools and plant (rupees in lakhs).	Expenditure on establishment (rupees in lakhs).	Percentage cost of establishment of working expenditure.
1946-47	351.71	36.10	10.3
1947-48	478.60	46.64	9.7
1948-49	666.05	53.49	8.0
1949-50	824.66	58.90	7.1
1950-51	958.85	61.63	6.4
1951-52	965.69	62.89	6.5
1952-53	1,066.27	63.35	5.9
1953-54	517.91	34.88	6.7
1954-55	469.81	40.02	8.5
1955-56	589.50	39.26	6.8
1956-57—			
(a) 1st April to 31st October 1956.	589.97	29.66	7.8
(b) 1st November 1956 to 31st March 1957.		16.62	

Out of the total establishment charges of Rs. 29,66,046 for the period from 1st April to 31st October 1956 and Rs. 16,61,500 from 1st November 1956 to 31st March 1957, a sum of Rs. 2,77,685 and 2,72,671 respectively was recoverable from the Union Government towards the charges for works executed by the Department on National Highways and a total sum of Rs. 8,74,000 was provisionally marked for being recovered from the District Boards, in proportion to the expenditure incurred on District Board works.

3. Upkeep.—A general review concerning the upkeep of Government and District Board Roads in the State is given below:

Government Roads.—As per the statistics available, the minimum allotment required for proper maintenance of roads is Rs. 303.90 lakhs. During the year the maintenance grant sanctioned by Government was quite inadequate compared with the minimum requirements; nevertheless, the roads were maintained as satisfactorily as possible with the available funds.

District Board Roads.—Against an estimated minimum requirements of about Rs. 300 lakhs for proper maintenance of roads, the District Boards were able to allot funds only to the extent of about Rs. 87 lakhs during the year. The inability of the District Boards to provide more funds for

maintenance of roads left in their charge was mainly due to their slender and inelastic financial conditions which has affected seriously the maintenance of their roads. In spite of lack of funds and also the inability of District Boards to place the available funds to the credit of the Department promptly, the department was doing its best to maintain the roads in a satisfactory condition.

With the construction of more and more new roads every year, the strain on the resources of the District Boards in meeting their maintenance charges steadily increased. Unless measures are devised to reorganize and improve the financial condition of the Boards, the position in respect of maintenance of District Board roads will tend to deteriorate further.

CHAPTER II.

ORGANIZATION:

1. Administrative set up.

The Department continued to function with the Chief Engineer (Highways) in its charge throughout the year. There were four Circles and 32 Divisions including Special Divisions functioning under the charge of Superintending Engineers and Divisional Engineers (Highways), till 31st October 1956. Consequent on the reorganization of States on 1st November 1956, this Department was left with three Circles at Madras, Tiruchirappalli and Coimbatore and with 26 Divisions including Special Divisions. The fixation of cadre strength of this Department was under consideration of Government during the year.

2. Chief Engineer's (Highways) Office.

Chief Engineer (Highways).

Sri K. K. Nambiar, B.E., M.I.E., F. INST. H.E. (Eng.), M.I. MUN. E., (Eng.), M.A.M. SOC. C.E., continued as Chief Engineer (Highways) throughout the year.

Deputy Chief Engineer (Highways).

Sri K. Namasivayam, B.E., continued as Deputy Chief Engineer (Highways) throughout the year.

Accounts Officer (Highways).

Sri V. S. Ramachandran, B.A., continued as Accounts Officer (Highways) throughout the year.

Engineer Liaison Officer.

Technical Assistants.

Sri E. P. Nataraja Ayyar from 1st April 1956 to 31st March 1957.

Sri P. S. Sadasivaswamy from 1st April 1956 to 31st March 1957.

Sri S. H. Mahadevan from 1st April 1956 to 31st March 1957.

Sri T. C. Muthukalyani from 1st April 1956 to 31st March 1957.

PART I (1st APRIL TO 31st OCTOBER 1956).

3. Superintending Engineers.

Madras Circle.

Sri G. S. Ganapathy from 1st April to 31st October 1956.

Tiruchirappalli Circle.

Sri P. Sirajuddin from 1st April to 31st October 1956.

Coimbatore Circle.

Sri T. S. Kethara Mudaliar from 1st April to 31st October 1956.

Cannanore Circle.

Sri M. N. Kamath from 1st to 26th April 1956.

Sri N. J. John, Divisional Engineer (Highways)

(Additional charge) from 26th April to 4th May 1956

Sri S. C. Nayak from 4th May to 22nd October 1956.

Headquarters shifted to Mangalore.

Sri S. C. Nayak from 24th October to 31st October 1956.

4. Divisional Engineers.

Chingleput Division.

Sri S. R. Naidu from 1st April to 31st October 1956.

North Arcot Division.

Sri V. Govindaswami Pillai from 1st April to 31st October 1956.

South Arcot Division.

Sri P. S. Sivaprakasam from 1st April to 31st October 1956.

Salem Division.

Sri M. S. Lawrence from 1st April to 31st October 1956.

Krishnagiri Division.

Sri R. Bhuvaramurthy from 1st April to 31st October 1956.

Tiruchirappalli.

Sri M. Balasubramaniam from 1st April to 16th May 1956, afternoon.

Sri Henry Jayasingh from 16th May to 31st October 1956.

Nagapattinam.

Sri V. Subramania Mudaliar from 1st April to 6th July 1956, a.n.

Vacant from 6th July to 15th July 1956.

Sri V. Subramania Mudaliar from 16th July to 31st October 1956, afternoon.

Tanjore Division.

Sri T. M. Veeraraghavan from 1st April to 31st October 1956.

Tirunelveli Division.

Sri L. N. Natesan from 1st April to 31st October 1956.

Ramanathapuram Division.

Sri P. Sirajuddin from 1st April to 24th April 1956.

Sri T. R. K. Sundaram from 26th April to 24th August 1956.

Sri G. A. Venkatachalam from 24th August to 31st October 1956.

Madurai Division.

C. R. Munisami Naidu from 1st April to 31st October 1956.

Erode Division.

Sri C. V. Padmanabhan from 1st April to 31st October 1956.

Coimbatore Division.

Sri O. Sivasankara Mudaliar from 1st April to 31st October 1956.

The Nilgiris Division.

Sri M. A. Tirunavukkarasu from 1st April to 30th July 1956.

Sri G. M. Andavan, Assistant Engineer (Additional charge) from 30th July to 4th September 1956.

Sri K. Sivaramu Ballal from 4th September to 1st October 1956.

Sri M. A. Tirunavukkarasu from 1st October to 31st October 1956.

Kozhikode Division.

Sri N. J. John from 7th January to 31st October 1956.

Palghat Division.

Sri W. G. S. Saldana from April to 17th May 1956.

Sri K. Krishnan Nair from 17th May to 30th October 1956.

Sri T. S. Narayanaswami Ayyar from 30th October to 31st October 1956.

Mangalore Division.

Sri M. S. Srourthy from 1st April to 19th May 1956 afternoon.

Sri P. R. Golikere (additional charge) from 19th May to 26th May 1956.

Sri W. G. S. Saldana from 26th May forenoon to 31st October 1956.

Transport and Machinery Division.

Sri A. Muthukumaraswamy from 1st April to 31st October 1956.

Designs Division.

Sri S. Sundaram from 1st April to 31st October 1956.

Coleroon Bridge Division, Sirkali.

Sri P. G. Nambiar from 1st April to 31st October 1956, afternoon.

Director, Highways Research Station.

Sri K. Ramaswamy Reddy from 1st April to 31st October 1956.

Special divisions for investigation, preparation of plans and estimates for West Coast Roads.

South Kanara District, Headquarters Mangalore.

Sri T. S. Narayanaswamy from 1st April to 18th April 1956.

Sri P. R. Golikere from 18th April to 8th October 1956.

Sri K. Sivaram Ballal from 8th October to 31st October 1956, afternoon.

Sri P. R. Golikere from 31st October 1956.

Malabar district, Kozhikode.

Sri M. Kumaran from 1st April to 31st October 1956.

Special division for investigation (Bridges), Headquarters Mangalore.

Sri T. S. Narayanaswamy from 18th April to 20th August 1956.

Sri M. S. Srourthy from 20th August to 11th October 1956.

Sri K. Sundara Naick from 11th October to 30th October 1956.

Sri M. S. Srourthy from 30th October to 31st October 1956.

Special Division, Ponnar Bridge, Headquarters, Villupuram.

Sri S. Nataraja Pillai from 1st April to 31st October 1956.

Special Division, Ranipet Bridge Work.

Sri H. Nataraja Sastrigal from 1st April to 21st May 1956.

Sri K. Sivarama Ballal from 21st May to 29th August 1956.

Sri T. S. Narayanaswamy Iyer from 21st August to 21st September 1956, afternoon.

Sri H. Nataraja Sastrigal from 21st September to 31st October 1956.

Special Kolli Hills Division.

Sri K. S. Devarajan from 1st April to 2nd April 1956 forenoon.

Sri Abdul Hafiz Khan from 2nd April to 31st October 1956 afternoon.

Special division Mannar Ghat Chinnathadakam, Headquarters Coimbatore.

Sri P. Lokanathan from 1st April to 21st April 1956.

Sri O. Sivasankaran, D.E. (Additional charge), from 21st April to 18th May 1956.

Sri P. Lokanathan from 18th May to 30th June 1956.

Sri K. S. Devarajan from 30th June to 29th October 1956.

Headquarters shifted to Mannarghat.

Sri K. Krishnan Nair from 29th October to 31st October 1956.

Special Division, Bodinayakanur.

Sri S. Kalyanaraman from 1st April to 31st October 1956.

Special Division, Sattur.

Sri M. Balasubramaniam from 23rd May to 30th June 1956 afternoon.

Sri K. Sundara Naick from 30th June to 5th August 1956.

Sri M. Balasubramaniam from 5th August to 31st October 1956.

Special division, Cauvery Bridge Division, Headquarters Tiruchirappalli.

Sri P. Lokanathan from 7th July to 31st October 1956.

5. Subdivisions.

The following special subdivisions formed in the previous years were closed during the year under report on the dates noted against each :—

Serial number and name.	Head-quarters.	Date of formation.	Date of closure.
1 C. C. Cuddalore-Chittoor Road.	Panrutty	.. 5th March 1955	.. 30th September 1956
2 Special Subdivision for constructing a bridge across Poochmogar.	Mudabidri	.. 15th July 1955	.. 30th September 1956 afternoon.
3 Special Subdivision for investigation and preparation of plans and estimates, West Coast Roads Schemes.	Coondapur	.. 3rd October 1955	.. 9th June 1956.
4 Special Subdivision for constructing of a causeway across river Pennar near Mottupalayam.	Melpattampakkam.	24th May 1954	.. 31st August 1956.
5 Special Subdivision for the work of constructing the bridge at M. 15/2 of Cuddalore-Vriddhachalam Road.	Kurinipadi	.. 9th November 1954.	31st July 1956.

Serial number and name.	Head-quarters.	Date of formation.	Date of closure.
6 Special Subdivision for constructing a bridge across Karamanar at Manapad, Tirunelveli district.	Kulasekarapatnam.	16th July 1955 ..	30th June 1956.
7 Special Subdivision for reconstructing Beltangady bridge at M. 37/3 of Mangalore-Mysore Road.	Beltangady ..	31st October 1955 ..	31st May 1956.
8 Special Subdivision for bridge at Mile 27/5 of Tirumuzhi - Satyavedu Road.	Tiruvallore ..	27th May 1955 ..	Do.
9 Special Subdivision for Kariangote Bridge work.	Nileshwar ..	20th August 1955 ..	9th June 1956.
10 Central Road Fund Works.	Tiruchirappalli ..	14th October 1955 ..	30th September 1956
11 Do.	Tiruvallur ..	10th December 1955	Do.
12 Special Subdivision for flood damages.	Paramakudy ..	Do.	1st June 1956.
13 Do.	Mudukulathur ..	Do.	31st October 1956.
14 Do.	Devakottai ..	12th December 1955	Do.
15 Do.	Sivaganga ..	7th March 1956 ..	Do.
16 Special Subdivision, Mannarghat-Chienathadam.	Mannarghat ..	19th July 1956 ..	Do.

The special subdivision mentioned below were formed during the year under report—

Serial number and name.	Head-quarters.	Date of formation.	Remarks.
1 Special Subdivision for Bridge.	Vaigai Madurai ..	20th April 1956	.. ..
2 Special Subdivision for Kadavayar Bridgework.	Udipi ..	5th May 1956	.. ..
3 Special Subdivision for certain Bridge works.	Sattur ..	9th June 1956	.. ..
4 Special Subdivision for Cauvery Bridge work.	Tiruchirappalli.	5th July 1956	.. ..
5 Special Subdivision for investigation work.	Coimbatore ..	13th July 1956	.. ..
6 Special Subdivision for Cauveri Bridge work.	Tiruchirappalli.	5th July 1956	.. ..
7 Special Subdivision for investigation work.	Coimbatore ..	13th July 1956	.. ..
8 Special Subdivision for constructing of bridge over Ponnai River at Mile 44/4 to 45/2 of Cuddalore-Chittoor road.	Tirukoilur ..	4th September 1956 ..	.. ..
Special Subdivision for constructing a causeway at Muthalapuram river Vaippar at mile 7/1 of Ettayapuram-Arappukottai road.	Muthalapuram.	6th September 1956 ..	.. ..

6. Junior Engineers and Supervisors.

The category of Junior Engineers and Supervisors in the Madras Highways Engineering Subordinate Service is borne on State basis.

As regards the staff position the availability of technically qualified personnel was found inadequate to meet the requirements of the Department in full. Hence in addition to B.E. Degree holders, candidates possessing

L.C.E. Diploma were also appointed during the year. Four retired Supervisors were also re-employed. As in previous years, common staff attended to both Government and District Board works. Twelve Supervisors spared from this department for appointment under District Panchayats have been continued this year also.

Government have taken up an extensive programme of National Extension Service, Community Project and Development works for Intensive Rural Reconstruction works in the Madras State. The services of about 154 Junior Engineers and Supervisors of this department have been spared for the above schemes during this year as shown below:—

(i) National Extension Service Schemes	115
(ii) Panchayat Works	12
(iii) Community Development and Local Development works.	27

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Recruitment (Direct).

Supervisors (including Junior Engineers).

The Madras Public Service Commission held the prescribed competitive examination during September-October 1956 for the direct recruitment of 225 candidates for appointment as Supervisors (including Junior Engineers) in Madras Highways Engineering Subordinate Services. As against the requirement of 225 candidates, only 187 are available for selection of whom 147 are Degree-holders and 40 are Diploma-holders. In this selection over-aged draughtsmen of Highways Department were also permitted to compete for the selection of supervisors. Only one candidate was selected.

The following were the special sections formed during the year under report from 1st April to 31st October 1956:—

Name of division. (1)	Name of work. (2)	Date of formation. (3)
Ramanathapuram Division.	Bridges Section Sattur I	20th June 1956.
	Do. II	23rd May 1956.
	Do. III	20th June 1956.
Madurai Division ..	Theni Suruliur Bridges Section ..	28th April 1956.
Do. ..	Local Development Works, Natham ..	4th July 1956 a.n.
Do. ..	Central Road Fund Works, Madurai.	16th April 1956.
Ramanathapuram Division.	Flood damage works, Mandapam ..	27th April 1956.
Do. ..	Special Section, Devakottai Section ..	20th August 1956.
Do. ..	Pamban Bridge Mandapam Investigation Special Section.	7th September 1956.
Do. ..	National Extension Service, Kamutty ..	16th August 1956.
Do. ..	Do. Tiruvadanai ..	16th August 1956
Do. ..	Do. Devakottai.	6th July 1956.
Do. ..	Do. Kalayarkoil.	4th July 1956.
Do. ..	Sattur Bridge Special Section ..	15th June 1956.
South Arcot ..	Seshanadhi Bridge at Ulundurpet ..	18th May 1956.
	Ponneri bridge at Tirukovilur ..	4th July 1956.
	Tirukovilur Special Section ..	7th September 1956.
Mangalore Division ..	National Extension Service, Nileshwar ..	7th September 1956.
	Special Kasargod Section (Investigation).	24th April 1956.
Madurai Division ..	Bodinoyakanur III Special Section ..	24th July 1956.
	Special Section Bridges at Vaigai ..	21st May 1956.

Name of division. (1)	Name of work. (2)	Date of formation. (3)
Coimbatore	.. Bridges Special Section, Coimbatore II Do.	26th August 1956. 22nd August 1956.
Tirunelveli	.. Tuticorin Investigation works	24th May 1956.
Cauvery Bridge Division :	Cauvery Bridge I Works	16th July 1956.
	Cauvery Bridge II Works	27th August 1956.
Tiruchirappalli Division ..	Special Central Road Fund Works, Tiruchirappalli.	26th July 1956.
South Kanara	.. Kuppam Bridge Work I, Taliparamba. Do. II Do.	21st May 1956. 22nd May 1956.
Kozhikode	.. Local Development, Malappuram ..	20th July 1956.
Mangalore Division	.. Pane Mangalore Special Section ..	30th September 1956.
Madurai Division	.. Melur Tirupatur Special Section ..	19th April 1956.
Tiruchirappalli Division ..	Central Road Fund Schemes, Tiruchirappalli.	27th June 1956.
Mangalore Division	.. Mangalore North Special Section ..	1st May 1956.
Tanjore Division	.. Ayyampet Special Section ..	8th April 1956.
Madurai Division	.. Local Development Works, Palni ..	8th May 1956.
Tanjore Division	.. Local Development Works, Pattukkottai.	2nd August 1956.

The following were the Special sections closed during the year under report from 1st April to 31st October 1956:—

	Closure of the section.
Ramanathapuram Division. Flood Works, Ramanathapuram Section.	1st June 1956 f.n.
Manamadurai Special Section	20th April 1956.
Mudukalathur Special Section	31st October 1956.
Special Section, Sivaganga Flood Works.	Do.
Ponnai Bridge Division .. Melpattambakkam	31st August 1956.

PART II (1st NOVEMBER 1956 TO 31st MARCH 1957).

(a) Superintending Engineers.

Madras Circle.

Sri G. S. Ganapathy, from 1st November 1956 to 5th February 1957.

Sri K. Ramaswamy Reddy (Additional charge), from 5th February to 18th February 1957.

Sri T. S. Kethara Mudaliar from 18th February to 31st March 1957.

Tiruchirappalli Circle.

Sri P. Sirajuddin, from 1st November 1956 to 31st March 1957.

Coimbatore Circle.

Sri T. S. Kethara Mudaliar, from 1st November 1956 to 9th February 1957.

Sri S. C. Nayak, from 9th February to 31st March 1957.

(b) Divisional Engineers.

Chingleput Division.

Sri S. R. Naidu from 1st November 1956 to 31st March 1957.

North Arcot Division.

Sri V. Govindaswamy Pillai, from 1st November 1956 to 31st March 1957.

South Arcot Division.

Sri P. S. Sivaprakasam from 1st November 1956 to 31st March 1957.

Salem Division.

Sri M. S. Lawrance from 1st November 1956 to 31st March 1957.

Krishnagiri Division.

Sri R. Bhuvaramurthy from 1st November 1956 to 4th January 1957.

Sri H. Nataraja Sastrigal from 4th January to 29th January 1957.

Sri M. S. Lawrance (additional charge) from 29th January to 30th January 1957.

Sri R. Bhuvaramurthy from 30th January to 31st March 1957.

Tiruchirappalli Division.

Sri Henry Jayasingh from 1st November 1956 to 31st March 1957.

Nagapattinam Division.

Sri V. Subramania Mudaliar from 1st November 1956 to 31st March 1957.

Tanjore Division.

Sri T. M. Veeraraghavan from 1st November 1956 to 31st March 1957.

Tirunelveli Division.

Sri L. N. Natesan from 1st November 1956 to 31st March 1957.

Ramanathapuram Division.

Sri G. A. Venkatachalam from 1st November 1956 to 31st March 1957.

Madurai Division.

Sri C. R. Munisami Naidu from 1st November 1956 to 31st March 1957.

Erode Division.

Sri C. V. Padmanabhan from 1st November 1956 to 31st March 1957.

Coimbatore Division.

Sri O. Sivasankara Mudaliar from 1st November 1956 to 31st March 1957.

The Nilgiris.

Sri M. A. Tirunavukkarasu from 1st November 1956 to 31st March 1957.

Transport and Machinery Division.

Sri A. Muthukumaraswamy from 1st November 1956 to 31st March 1957.

Designs Division.

Sri S. Sundaram from 1st November 1956 to 31st March 1957.

Coleroon Bridge Division, Sirkali.

Sri P. G. Nambiar from 1st November 1956 to 31st March 1957, a.n.

Director, Highways Research Station.

Sri K. Ramaswamy Reddy from 1st November 1956 to 31st March 1957.

Special Division, Ranipet Bridge Works.

Sri H. Nataraja Sastrigal from 1st to 7th November 1956.

Sri K. S. Devarajan from 7th November 1956 to 31st March 1957.

Special Kolli Hill Division.

Sri Abdul Hafiz Khan from 1st November 1956 to 31st March 1957.

Special Division, Bodinayakanur.

Sri S. Kalyanaraman from 1st November 1956 to 20th February 1957.

Sri E. C. Chandrasekaran from 20th February 1957 to 31st March 1957.

Special Division, Sattur.

Sri M. Balasubramaniam from 1st November 1956 to 31st March 1957.

Special Division, Cauvery Bridge Division, Headquarters Tiruchirappalli.

Sri P. Lokanathan from 1st November 1956 to 31st March 1957.

(c) Subdivisions.

The following special subdivisions formed in the previous years were closed during the year under report on the dates noted against each:—

Serial number and name.	Head-quarters.	Date of formation.	Date of closure.
1 C.R.F. works	Madurai	10th April 1954.	29th February 1957.
2 C.R.F. works	Palayamkottai ..	22nd November 1955.	28th February 1957.
3 Special subdivision for constructing a submersible bridge across Tambaraparni river at Mukkanni, Tirunelveli district.	Athur	28th May 1954.	Do.

The following special subdivisions were formed during the year under report (1st November 1956 to 31st March 1957):—

Serial number and name.	Head-quarters.	Date of formation.	Remarks.
1 Special subdivision for formation of a road from Bodinayakanur to Bodimetu.	Bodinayakanur..	8th November 1956.	..
2 Special subdivision for Second Five-Year Plan (Investigation).	Sivaganga ..	9th November 1956.	..
3 Special subdivision for Second Five-year Plan (Investigation).	Tiruchirappalli ..	12th November 1956.	..
4 Special subdivision Second Five-Year Plan.	Tirunelveli ..	15th November 1956.	..
5 Additional Assistant Engineer for Research Station.	Guindy	29th December 1956.	..
6 Special subdivision, Marudayar-Constructing a bridge across Marudayar river at M. 33/4 of Tiruchirappalli-Chidambaram road.	Ariyalur	2nd January 1957.	..

HIGHWAYS DEPARTMENT, 1956-57

Serial number and name.	Head-quarters.	Date of formation.	Remark.
Special subdivision for constructing a bridge at M. 18/5 and culverts and culverts subdivision for constructing a bridge at Dindigul - Vattam Road.	Nathan	28th January 1957.	..
Special subdivision ..	Sholavandan ..	25th March 1957.	..
Special subdivision for Cauvery work.	Vriddhachalam ..	28th March 1957.	..

The following were the special sections formed during the year under report (1st November 1956 to 30th March 1957):—

Tiruchirappalli Division ..	Investigation. Second Five-Year Plan. Planning and Estimates, Tiruchirappalli Section.	3rd November 1956, f.n.
Ramanathapuram Division.	Kamuthi Special Section for Cyclone damage repairs.	9th November 1956, f.n.
	Kariamangalam Special Section ..	10th November 1956, f.n.
	Sivaganga. Second Five-Year Plan. Planning and Estimates.	9th November 1956.
	Special Section, Tirupathur ..	17th November 1956.
Tirunelveli	Investigation, Second Five-Year Plan. Planning and Estimates.	21st November 1956.
Coimbatore Division ..	Coimbatore Special Section ..	1st November 1956.
South Arcot	Sankarapuram. Special Section ..	17th January 1957.
Transport and Machinery Division.	Pallavaram Quarry	9th February 1957.

CHAPTER III.

WORKS.

1. General.

There were 9,141 miles of Government roads and 17,540 miles of District Board roads at the beginning of the year under review, i.e., on 1st April, 1956. Besides the regular maintenance of these roads 9 miles were cement concreted, 624 miles were blacktopped, 337 miles metalled and 202 miles were formed under Government and District Boards during the year 1956-57 and 454 miles of roads were taken over from the District Boards under maintenance by the Department. Details of roads improved and newly formed and taken over are given in Annexures 6 and 7 respectively. The position of various types of roads as on 31st October 1956 and 31st March 1957 is as indicated hereunder:—

		Government (miles)		District Board (miles)	
		As on 31st October 1956.	As on 31st March 1957.	As on 31st October 1956.	As on 31st March 1957.
	(1)	(2)	(3)	(4)	(5)
Cement-concrete roads	.. ..	254	284	1	2
Blacktop roads	.. ..	5,015	4,695	317	330
Metalled roads	.. ..	4,174	3,134	8,072	7,125
Unmetalled roads	.. ..	94	455	8,880	9,059
		9,537	8,568	17,270	15,516

2. Maintenance.

The expenditure on maintenance of Government and District Board roads compared with the preceding years is given below :—

Year.						Government roads.	District Board roads.
						RS.	RS.
Composite State of Madras.							
1947-48	..	..	..	..	..	2,62,03,053	91,54,213
1948-49	..	..	..	..	..	3,50,15,182	1,15,83,288
1949-50	..	..	..	..	..	3,37,91,000	1,29,85,735
1950-51	..	..	..	..	..	3,87,73,748	1,33,63,439
1951-52	..	..	..	..	..	4,16,35,671	1,41,82,154
1952-53	..	..	..	..	..	4,51,29,912	1,45,39,379
Residuary State of Madras.							
1953-54	..	..	..	..	..	2,61,25,682	82,43,187
1954-55	..	..	..	..	..	2,38,21,193	76,78,244
1955-56	..	..	..	..	..	2,67,29,550	91,04,922
1956-57—							
(i) 1st April to 31st October 1956	..					1,87,48,752	35,12,036
(ii) 1st November 1956 to 31st March 1957.						63,41,373	52,15,151

The divisionwise details of expenditure on the maintenance of Government and District Board roads during 1956-57 are furnished in Annexure II (i) and (ii).

Cost per mile.—The average cost of maintenance per mile without regard to type of road surface for the past years and for the year under report is furnished in Annexure 2. An analysis of average maintenance cost of various categories of roads during the past few years is rendered below :—

Year.	Average cost of maintenance of									
	Government roads					District Board roads				
	National Highway.	State Highway.	Major District Roads.	Other District Roads.	Average cost on the total mileage.	Major District Roads.	Other District Roads.	Village Roads.	Average cost on the total mileage.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Composite State of Madras.										
1950-51	..	..	..	..	..	..	..	..	..	..
1951-52	..	..	..	..	..	..	..	..	..	..
1952-53	..	..	..	..	..	..	..	..	..	..
Residuary State of Madras.										
1953-54	..	..	..	..	..	..	..	..	..	..
1954-55	..	..	..	..	..	..	..	..	..	..
1955-56	..	..	..	..	..	..	..	..	..	..
1956-57—										
(i) 1st April to 31st October 1956.	2,227	2,274	1,860	1,160	1,966	502	260	92	203	
(ii) 1st November 1956 to 31st March 1957.	1,461	887	619	200	738	637	425	217	336	

The figures give a broad indication of the relative standards of the different categories of roads. The large disparity between the standards of Government roads and District Board roads is also an indication of the relative inadequacy of available funds on District Board side. This statement however need be qualified by the fact that the traffic on District Board roads is generally much less than on Government roads. The divisionwise classification of maintenance expenditure according to categories of roads is given in Annexure 13 and an abstract of it is given in Annexure 3.

Blacktopping in built-up areas.—During the year the policy of blacktopping in built-up sections was pursued and several roads radiating from town limits and those in heavy traffic reaches were surfaced with precast chips ensuring a better and more servicable road surface.

National Highways.—During the year a final grant of Rs. 42.61 lakhs including agency charges was sanctioned by the Union Government for the maintenance and repairs including special repairs of National Highways. Against this, the actual expenditure incurred for the maintenance of National Highways during the year was Rs. 24,22,731 up to 31st October 1956 and Rs. 15,88,933 up to 31st March 1957.

3. Capital works.

The bulk of all works of improvements to roads such as providing improved surfacing to suit traffic needs, forming new roads and constructing and reconstructing bridges and culverts was being done under the National Plans. The rest of the works was executed under Central Road Fund and Grants-in-aid to local bodies under "Excluding Post-War Reconstruction". A brief summary of the scheme is furnished below :—

(a) (i) *The Second Five-Year Plan.*—The year 1956-57 under review was the commencement of the Second Five-Year Plan. Under the Plan the State had an allocation of Rs. 678.73 lakhs which was prepared with the following provisions :—

				RUPEES IN LAKHS.
State Highways	..	..	..	319.19
Other Roads	..	..	..	284.39
Tools and Plant	..	..	..	75.15
				678.73

NOTE.—The provision made under State Highway includes provision of Rs. 41.11 lakhs for Kanyakumari district.

During the year, an expenditure of Rs. 34.99 lakhs was incurred on State roads and Rs. 24.33 lakhs on other roads. The expenditure against the provision for tools and plant was Rs. 7.92 lakhs during the year.

The provisions under other roads made in the Five-Year Plan was for the assistance that the State Government would give to the District Boards as grants-in-aid under Post-War Road Development Schemes.

During the year, Government sanctioned full grants to the extent of value of work done, to the District Boards, Chingleput, Tiruchirappalli, Ramanathapuram, Salem, North Arcot, Malabar, the Nilgiris and South Kanara in view of their slender financial condition and half-grants to the District Boards, South Arcot, Tanjore, Madurai, Tirunelveli and Coimbatore for the execution of the District Board portion of the above Plan.

(ii) *National Highways*.—In respect of National Highways, the Government of India sanctioned during the year 1956-57 a final grant of Rs. 46,10,000 including agency charges under Original Works. Against this allotment, an expenditure of Rs. 39,02,910 was incurred exclusive of agency charges.

(b) *Central Road Fund Scheme*.—During the year, the Madras State had an allocation of Rs. 37.16 lakhs bringing up the total allotment under the scheme to Rs. 563.16 lakhs. An expenditure of Rs. 29.91 lakhs was incurred against this allotment for the year, making the total progressive expenditure to end of 1956-57 to Rs. 450.45 lakhs both under Government and District Boards.

A statement of expenditure incurred during the past few years is given below :—

Year.	Expenditure incurred.		
	Government Works.	District Board Works.	Total.
	RS.	RS.	RS.
Composite State of Madras.			
1949-50	13,28,516	1,75,659	15,04,176
1950-51	16,65,665	5,88,866	22,54,531
1951-52	16,84,817	9,70,782	26,55,599
1952-53	49,96,227	15,08,853	65,05,080
Residuary State of Madras.			
1953-54	20,14,861	15,06,139	36,21,000
1954-55	7,24,086	12,91,881	20,15,967
1955-56	10,83,332	7,22,317	18,05,649
1956-57	18,66,424	11,25,021	*29,91,445

* The figures include the expenditure incurred up to 31st October 1956 in respect of areas transferred to Kerala and Mysore States.

(c) *Grants-in-aid to Local Bodies under "Excluding Post-War Reconstruction"*.—Grants are allocated to the District Boards by the State Government under "Excluding Post-War Reconstruction Grants-in-aid". Small works which do not come under the scope of Post-War Road Development and are considered essential to local needs, are given aid by the Government for their execution under the following categories :—

- (1) Village communications other than Post-War Reconstruction;
- (2) Roads and bridges other than village communications;
- (3) Improved surfacing of roads; and
- (4) Flood damage to roads.

Government have also been sanctioning grants for unemployment relief works necessitated by the adverse seasonal conditions, famine, etc., on the recommendations of the District Collector concerned.

Grants thus sanctioned by Government and expenditure incurred thereon are given in the statement below in respect of the sub-heads mentioned above :—

Sub-head.	Accounts, 1955-56.	Revised Estimate, 1956-57.
	RS.	RS.
1 Village communications other than Post-War Reconstruction ..	2,77,479	99,000
2 Roads and bridges other than village communications	3,66,167	1,11,400
3 Improved surfacing of roads	3,52,832	8,75,100
4 Flood damage to roads	..	..
5 Special grant for road work to relieve unemployment due to failure of monsoon.	..	1,75,000

Capital Expenditure.—The total expenditure on all Capital Works during the year and the preceding years is furnished below :—

Year.	Expenditure on Government Roads.	Expenditure on District Board Roads.
	RS.	RS.
Composite State of Madras.		
1946-47	45,66,518	14,55,197
1947-48	33,49,405	60,22,963
1948-49	48,33,513	88,56,910
1949-50	1,45,34,000	1,00,97,570
1950-51	1,63,21,126	1,12,85,991
1951-52	1,56,13,516	1,18,63,708
1952-53	1,87,25,611	1,49,31,492
Residuary State of Madras.		
1953-54	65,48,329	42,83,202
1954-55	65,05,104	41,96,401
1955-56	99,52,503	50,30,491
1956-57		
(i) From 1st April to 31st October 1956.	62,49,216	20,55,604
(ii) From 1st November 1956 to 31st March 1957.	51,63,220	39,14,671

Divisionwise particulars of expenditure are given in Annexure 11 (i) and (ii) and the expenditure classified under the different categories of roads in respect of each division is furnished in Annexure 13.

Works Completed.

A summary of new constructions and improvements completed during the year is rendered below :—

(a) *Government works—Upgrading*—(i) *From 1st April to 31st October 1956*.—Three works at a total cost of Rs. 5,07,062 were completed during the period by which two miles of roads were cement concreted and 1.66 miles of roads (including the length of road, black topped under maintenance grant) were blacktopped.

(ii) *From 1st November to 31st March 1957*.—Eight works at a cost of Rs. 12,98,260 were completed, by which 6 miles of roads were cement concreted and 313 miles were blacktopped inclusive of the length of Black top surfacing done under maintenance grant.

Bridges and culverts—(i) *From 1st April to 31st October 1956*.—Eight major bridges to a total cost of Rs. 30,95,849 and 10 minor bridges, culverts and causeways costing Rs. 33,692 were completed.

(ii) *From 1st November 1956 to 31st March 1957*.—Eleven minor bridges, culverts and causeways, to total cost of Rs. 72,279 were completed.

Improvements and special repairs—(i) *From 1st April to 31st October 1956*.—Five works costing Rs. 17,34,993 were completed.

(ii) *From 1st November 1956 to 31st March 1957*.—Twelve works costing Rs. 12,70,582 were completed.

(b) *District Board Works—Bridge, culverts and causeways*—(i) *From 1st April to 31st October 1956*.—Two major bridges costing Rs. 7,35,588 and seven minor culverts and causeways were completed.

(ii) From 1st November 1956 to 31st March 1957.—Two major bridges costing Rs. 4,58,336 and two minor culverts and causeways at a total cost of Rs. 41,906 were completed.

Improvements and special repairs—(i) From 1st April to 31st October 1956.—Two works costing Rs. 2,459 were completed.

(ii) From 1st November 1956 to 31st March 1957.—Fifteen works costing Rs. 2,20,740 were completed.

Works in progress.—An abstract of the number and estimated cost of works that were under execution by the Department during the year is furnished below:—

Nature of work.	From 1st April to 31st October 1956.		From 1st November 1956 to 31st March 1957.	
	Number.	Estimated cost.	Number.	Estimated cost.
(1)	(2)	(3)	(4)	(5)
		RS.		RS.
(a) Government roads.				
Works costing over Rupees one lakh each—				
Cement concrete and black top	31	74,22,800	28	69,48,700
Bridges, culverts and causeways	49	3,01,25,600	29	2,18,39,800
New Formation	5	50,07,300	5	51,79,700
Improvements and Special Repairs	9	37,43,500	15	48,64,700
Works costing less than Rupees one lakh each—				
Cement concrete and black top	13	5,73,856	19	10,88,124
Bridges, culverts and causeways	74	22,52,424	48	17,85,079
New Formations	15	5,88,587	1	1,00,000
Improvements and Special Repairs	41	7,49,350	45	8,48,810
(b) District board roads.				
Works costing over Rupees one lakh each—				
Cement concrete and black top	..	..	2	2,99,000
Bridges, culverts and causeways	14	54,55,400	14	54,55,400
New Formations	3	5,26,600	6	10,02,800
Improvements and Special Repairs	1	1,20,000	3	3,55,000
Works costing less than Rupees one lakh each—				
Cement concrete and black top	5	72,365	19	1,74,345
Bridges, culverts and causeways	304	43,04,789	309	66,37,404
New Formations	124	23,73,630	103	17,03,484
Improvements and Special Repairs	68	17,86,277	61	12,11,037

A detailed review of works costing over Rupees one lakh each is given in Annexure 22 (i) and division wise figures of works costing less than one lakh of rupees each are furnished in Annexure 23 (i).

CHAPTER IV.

RURAL DEVELOPMENT.

The object of the National Extension Service Organization and the Community Projects, is to change the out look of the poor families living in the country-side, arouse enthusiasm in them for new knowledge and new ways of life and fill them with the ambition and the will to live a better life. Under the National Extension Service the very basic problems, viz., Agriculture, Animal Husbandry and Co-operation are tackled and there is a limited provision for local works for the requisite requirements of the block and for social education.

In the beginning of the financial year 1956-57, the number of National Extension Service Blocks, was 48. Due to the reorganization of States 8 blocks lying in Malabar and South Kanara, have been transferred to Kerala and Mysore States respectively. During the year under reference, 32 blocks were launched. The total number of National Extension Service Blocks as on 31st October 1956 and 31st March 1957 is given in the statements appended to this chapter. The number of Community Development Blocks was 4 and 35 as on 1st April 1956 and 31st March 1957 respectively.

The Highways Department hold a unique position in respect of the activities of this programme in the State in as much as almost all engineering personnel are lent on from this department. All possible measures have been taken to ensure the fullest co-operation and participation with the block staff for the successful implementation of the programmes. The officers of this department have also been requested to conduct an intensive tour of the block areas and to advise and assist the technical staff.

STATEMENT I.

National Extension Service Schemes—Forty-eight blocks as on 31st October 1956.

District.	Name of blocks.
1 Chingleput district	(1) Uthukottai. (2) Tiruvallur. (3) Kadambathur. (4) Sriperumbudur.
2 North Arcot district	(1) Mandakolathur. (2) Kalasapakkam. (3) Tiruvannamalai. (4) Kilvaithanakuppam.
3 Salem district	(1) Krishnagiri. (2) Peddanaickenpalayam. (3) Athur. (4) Kaveripattinam.
4 South Arcot district	(1) Panruti. (2) Kurinjipadi. (3) Chinnasalem. (4) Valathi.
5 Tiruchirappalli district	(1) Perambalur. (2) Musiri. (3) Karur. (4) Alangudi. (5) Valliyani.
6 Tanjore district	(1) Tiruthuraiipoondi. (2) Vedaranyam.
7 Tirunelveli district	(1) Koilpatti. (2) Kuruvikulam. (3) Sankarankoil. (4) Velliyum.
8 Ramanathapuram district	(1) Rajapalayam. (2) Srivilliputhur. (3) Sivakasi. (4) Singampuneri.
9 Madurai district	(1) Kallupatti. (2) Usilampatti. (3) Tirumangalam.

National Extension Service Schemes—Forty-eight blocks as on 31st October 1956—con

District.	Name of blocks.
10 Coimbatore district	(1) Kangayam. (2) Palladam. (3) Tiruppur. (4) Kundadam.
11 Nilgiris district	(1) Coonoor. (2) Ootacamund.
12 Malabar district	(1) Tellicherry. (2) Taliparamba. (3) Payyanur. (4) Kuthuparamba.
13 South Kanara district	(1) Sullia. (2) Manjeshwar. (3) Baindur. (4) Neeleshwar.

STATEMENT II.

List of Community Development Blocks as on 31st March 1957

District.	Name of blocks.
1 North Arcot	(1) Kalasapakkam. (2) Tiruvannamalai.
2 South Arcot	(1) Panrutti. (2) Chinnasalem. (3) Kurinjipadi.
3 Chingleput	(1) Tiruvallur. (2) Kadambathur.
4 Coimbatore	(1) Palladam. (2) Tiruppur. (3) Kangayam.
5 Madurai	(1) Usilampatti. (2) Tirumangalam. (3) Kallupatti.
6 Nilgiris	(1) Coonoor. (2) Ootacamund.
7 Ramanathapuram	(1) Srivilliputhur. (2) Sivakasi. (3) Rajapalayam.
8 Salem	(1) Athur. (2) Krishnagiri. (3) Peddanaickanpalayam. (4) Hosur. (5) Dharmapuri.
9 Tanjore	(1) Tiruturaipundi. (2) Vedaranyam. (3) Sirkali (North). (4) Sirkali (South). (5) Papanasam (South). (6) Mayuram (West).
10 Tiruchirappalli	(1) Karur. (2) Perambalur. (3) Musiri.
11 Tirunelveli	(1) Kurivikulam. (2) Sankarankoil.
12 Kanyakumari	(1) Agasteeswaram.

STATEMENT III.

List of National Extension Service Blocks as on 31st March 1957.

District.	Name of blocks.
1 North Arcot	(1) Polur. (2) Kilvaithinankupam. (3) Chetpet. (4) Arcot. (5) Arni.
2 South Arcot	(1) Chidambaram. (2) Valathi. (3) Kallakurichi. (4) Gingee. (5) Merkanam. (6) Thirunavalur.
3 Chingleput	(1) Tirukalikundram. (2) Uthukottai. (3) Sriperumbudur. (4) Poonamallee. (5) Madurantakam. (6) Uthiramerur.
4 Coimbatore	(1) Kundadam. (2) Dharapuram. (3) Avanashi. (4) Satyamangalam. (5) Gobichettipalayam. (6) Perundurai. (7) Kodumudi. (8) Modakurichi. (9) Erode. (10) Perianayaganpalayam. (11) Bhavanisagar.
5 Madurai	(1) Athoor. (2) Dindigul. (3) Bodinayakanur. (4) Madurai. (5) Melur. (6) Vadipatti. (7) Alaganallur. (8) Natham. (9) Tiruparankundram.
6 Nilgiris	(1) Gudalur.
7 Ramanathapuram	(1) Singampuneri. (2) Devakottai. (3) Tiruvadanai. (4) Kalayarkoil. (5) Kamuthi. (6) Virudh nagar. (7) Kariapatti. (8) Sattur. (9) Paramagudi.
8 Salem	(1) Kaveripattinam. (2) Bargur. (3) Kolathur.

List of National Extension Service Blocks as on 31st March 1957—cont.

District.	Name of blocks.
9 Tanjore	(1) Muthupet. (2) Papanasam (North). (3) Kumbakonam (North). (4) Kumbakonam (South). (5) Mayuram (East). (6) Pattukkottai. (7) Kilvelur. (8) Kodavasal.
10 Tiruchirappalli	(1) Alangudi. (2) Thottiam. (3) Tirumanur. (4) Kulittalai. (5) Lalgudi.
11 Tirunelveli	(1) Cheranmahadevi. (2) Kovilpatti. (3) Vallioor. (4) Radhapuram. (5) Manur. (6) Vasudevanallur. (7) Tuticorin.
12 Kanyakumari	(1) Munchira. (2) Rajakamangalam.

CHAPTER V.

INSPECTIONS.

(a) Inspection of Division Offices by the Superintending Engineers (Highways).

During the year under report the division offices were continued to be inspected by the Superintending Engineers as per the standing orders that the inspection of each division office should be conducted once in a year. A brief summary of the inspections done by the Superintending Engineers (Highways) is rendered below :—

I. Madras Circle.—All the divisions in the circle were inspected by the Superintending Engineer (Highways) during the year under report on the dates noted against each in the statement below :—

Serial number.	Name of division.	Date due for inspection.	Date of actual inspection.
1	South Arcot ..	June 1956 ..	26th June 1956
2	Nagapattinam ..	July 1956 ..	3rd October 1956
3	Tanjore ..	August 1956 ..	4th October 1956
4	Designs division ..	October 1956 ..	7th December 1956
5	Chingleput ..	Do. ..	26th November 1956
6	Coleroon Bridge division.	May 1956 ..	9th May 1956
7	Transport and Machinery division.	June 1956 ..	6th June 1956
8	Villupuram ..	May 1956 ..	4th May 1956

The inspection of division offices disclosed that the work of the offices was generally satisfactory.

II. Tiruchirappalli Circle.—The inspection of division offices was conducted by the Superintending Engineer (Highways), Tiruchirappalli, as detailed below :—

Serial number.	Name of division.	Date due for inspection.	Actual date of inspection.
1	Tiruchirappalli	July 1956.	31st July and 1st August 1956.
2	Madurai	August 1956.	11th and 12th August 1956.
3	Ramanathapuram	September 1956.	29th September 1956.
4	Tirunelveli	October 1956.	25th and 26th October 1956.

The work and condition of the offices were found by the Superintending Engineer (Highways) to be generally fair and satisfactory.

III. Coimbatore Circle.—The circle was formed on 14th September 1955. The offices of the Divisional Engineers (Highways) in the present Coimbatore Circle were inspected by the respective Superintending Engineer (Highways) on the following dates and the work of the offices was satisfactory :—

Serial number.	Name of division.	Date due for inspection.	Date of actual inspection.
1	Ootacamund ..	17th October 1956 ..	30th September 1956.
2	Krishnagiri ..	14th December 1956 ..	27th October 1956.
3	Coimbatore ..	23rd July 1956 ..	3rd September 1956.
4	Vellore ..	18th January 1956 ..	21st June 1956.
5	Salem ..	9th March 1956 ..	25th July 1956.
6	Erode ..	22nd June 1956 ..	25th August 1956.
7	Ranipet (Special).	....	2nd July 1956.
8	Kolli Hills (Special).	....	29th October 1956.

IV. West Coast Circle, Cannanore.—(a) All the Division Offices in the circle were inspected by the Superintending Engineers (Highways) on the dates noted against them :—

Serial number.	Name of division.	Due date of inspection.	Actual date of inspection.
1	Palghat ..	May 1956 ..	25th May 1956.
2	Kozhikode Special ..	June 1956 ..	22nd June 1956.
3	Mangalore Special ..	Do. ..	11th June 1956.
4	Kozhikode Division ..	July 1956 ..	July 1956.
5	Mangalore (Bridge) ..	August 1956 ..	27th August 1956.
6	Mangalore Division ..	September 1956.	26th September 1956.

(b) Inspection of circle offices by the Chief Engineer (Highways).

During the year 1955-56 the circle offices in this Department were inspected by the Chief Engineer (Highways) on the following dates :—

1	Madras Circle ..	17th September 1956.
2	Tiruchirappalli Circle ..	24th and 25th May 1956.
3	Coimbatore Circle ..	27th September 1956.

4 West Coast Circle, Can-
nanore.

The Circle office was last inspected by the Chief Engineer (Highways), on 23rd and 24th February 1956. Hence the next inspection was due by February 1957. In the meanwhile the entire circle was transferred to the administrative control of the Kerala Government consequent on reorganisation of States which came into effect from 1st November 1956.

It was observed that the general control of the offices of the Superintending Engineers (Highways) was satisfactory.

CHAPTER VI.

STATISTICS.

(a) Tests, experiments and research.

Tests, experiments and Research works are being carried on in the Highways Research Station which is under the direct control of Chief Engineer (Highways) and manned by the Director, Highways Research Station. The work of the Highways Research Station during the year related to various sections such as soils, concrete, bitumen, structures, traffic and aggregates. In addition various problems referred by the field officers of this department were also analysed.

Soils and aggregates.—In the soil section mixes were designed with locally available soils for use in foundation courses of roads and bridge approaches and sub-soil investigations were conducted for foundations of bridges and buildings. Field and laboratory studies were also made to analyse the cause of failure of a National Highway nearby Madras and suitable remedies were suggested to prevent the failure. Regarding aggregates the samples received from various quarries were tested for their suitability in road making.

Concrete and structures.—In addition to testing of cubes and cylinders from various cement concrete works, tests were also conducted by study on the influence of admixtures in concrete and sand mortar. Tension tests on welded and plain steel rods from various works and a full scale load test on one of the newly constructed bridges were carried out.

Bitumen—A beginning was made with a study on the influence of an additive in the binding properties of bitumen.

Traffic.—In traffic side suitable channelization proposals were made for erection of traffic islands at road junctions.

(b) Investigation of Roads.

During the year under report 79 investigations on Government roads and 44 investigations on District Board roads were conducted by the Department. The comparative figures of investigations done since 1946-47 are given in Annexure 21 (i) and the divisionwise details for the year 1956-57 are given in the statement in Annexure 21 (ii).

(c) Investigation of bridges and culverts.

Investigation for the construction of the following few important bridge works was conducted.

South Arcot Division.—(i) Construction of bridge at mile 104/2-6 of Vikravandi Lower Anicut road.

(ii) Constructing a submersible bridge at mile 7/2-3 of Bhuvanagiri-Kurinjpadi road.

Nagapattinam Division.—Constructing a bridge across Adappar at mile 13/4 of Velanganni-Vedaranyam road.

Madurai District.—(i) Constructing culverts on by pass road to National Highways near Madurai.

(ii) Constructing culverts on Mullapuram-Narasingapuram road.

(iii) Constructing culverts on Dindigul-Avarankuruchi road.

Ramanathapuram district.—(i) Constructing a bridge near Alangulam across Vaigai.

(ii) Constructing a bridge at Kadaladi and across Gundar at Kariapatti-Tiruchirappalli Road.

Mangalore division.—(i) Constructing Kallasanka bridge at mile 37/4 of Mangalore-Bandar Coast road.

(ii) Reconstructing the bridge (Bolum) at mile 30/7 of Mangalore-Mercara road.

(iii) Reconstructing the Alke bridge at mile 1/3 of Mangalore-Baindur Coast road.

(iv) Constructing the Venur bridge at mile 11/5 of Mudabidri-Guruvayanakare road.

(v) Constructing the bridge at mile 17/4 of Mangalore-Mysore road.

(d) Cost of labour and materials.

The cost of labour and materials continued to be the same as in the previous year.

(e) Traffic Census.

The traffic census was due to be conducted during the year 1957—Hence no traffic census was taken during the year under review.

(f) Tools and Plant.

Indexing system for plant and machinery.—The indexing system introduced in the year 1951-52 to have a control over the movement of the heavy plans and to ensure prompt supply of plants to various divisions according to the priority, proved to be working successfully.

Purchase of plant and machinery.—During the period under review the Government have sanctioned the purchase of plant and machinery to an extent of Rs. 18.79 lakhs under Second Five-Year Programme. In addition sanction of Government was obtained for the purchase of machinery, etc., to an extent of Rs. 71,000 and for construction and equipment of 5 numbers laboratory vans at a cost of Rs. 1,22,500.

The following are the important items of plants and machinery for which orders were placed during the period 1st April to 31st October 1956:—

	Numbers.
1 Shaping machines	2
2 Milling machines.. .. .	2
3 Turret lathe	1
4 Power operated hydraulic press	1
5 Pick axes	8,500
6 Callender Hamilton bridge units	3
7 Floor type power grinder	1
8 Grank shaft grinder	1
9 Tool room lathe	1
10 Tool room grinder	1
11 Bandsaw machines.	2
12 Wood-planing machine.	1
13 Hydraulic lifts	3
14 Hydraulic Hoists.	2
15 General purpose lathe	19

Though orders were placed for the above items of plants and machinery, certain items could not be procured for want of import licence due to acute shortage foreign exchange facilities. Thus this foreign exchange problem hampered much the procurement of important plant and machinery.

Purchase and distribution of stores.—Stores like spares for plant and machinery were purchased and kept under 'stock' in the three workshops one at Madras, the other at Pudukottai and the third at Coimbatore. The sanctioning of maintaining higher stock limits of spares in the three workshops was still under consideration of the Government.

Verification of Stores.—The stock verification sub-division completed the verification of stores kept in the three workshops and submitted reports showing the discrepancies. The reconciliation of these discrepancies was also pursued.

Condemnation of old plants.—The old lorries which were beyond economical repairs were condemned and instructions issued to dispose off them in public auction.

Annual inspection of Plant and Machinery.—The Divisional Engineer (Highways), Transport and Machinery, inspected the heavy plants such as Bull dozers, Graders, Tractors, etc., working in various divisions as per the approved programme. The report were reviewed and instructions were issued to the Divisional Engineers (Highways), wherever found necessary.

The Inspection Squad also continued to inspect the plant at site periodically and report the condition of the plants and the maintenance work done.

Maintenance of Plant Record Book.—The plant record book which will give at a glance the complete history of the plants, their conditions, repairs and maintenance charges, etc., was printed and the copies of the same were distributed to all the divisions.

Organization of Transport and Machinery.—The Transport and Machinery Division undertook major and minor repairs to plant and machinery in addition to the purchase and distribution of machinery to various divisions of this department. During the period under review, manufacture of hand

drum mixers, tar boilers, tractor trailers, plate, bearings, roller bearings, etc., were undertaken. A list of items that were manufactured in the Transport and Machinery Workshop during the period 1st April to 31st October 1956 is furnished in the annexure.

In order to equip the workshop fully, many more items of workshop machinery of latest type were purchased so as to carry out the repair work within the least possible time with maximum efficiency and also manufacture whatever is possible without detriment to normal working of the workshop.

The Estimate Committee that visited the workshop appreciated the cheap manufacture of certain items in the Transport and Machinery workshop and suggested that a commercial wing for the sale of these items might be opened.

The Transport and Machinery Sub-divisions at Pudukottai and Coimbatore continued to attend to major and minor repairs of the Plants of the respective circles to which they are attached.

The following are the important item of plants and machinery for which orders were placed during the period 1st November 1956 to 31st March 1957:—

	Numbers.
1 Sheep Foot rollers	6
2 Heat Treatment furnace	1
3 Pneumatic tyred tamping rollers	10
4 Air compressors	9
5 Vibrating tables.	2
6 High grade (cum flow-type) concrete mixer	3
7 Gullotine shearing machine	1
8 Vibrating Rollers	6
9 Wheeled tractors	21
10 Capstan lathe	1
11 Surface grinding machine	1
12 Asphalt Hot Mix Plant	10
13 Trailers for tractors	12
14 Lathes	4
15 Spot welding machine	1

Condemnation of Old Plants.—Certain old lorries and rollers which were beyond economical repairs were condemned during this period also.

Annual inspection of Plant and Machinery.—The Divisional Engineer (Highways) continued to inspect the heavy plants working in various division.

Organization of Transport and Machinery.—A list of items that were manufactured in the Transport and Machinery Workshop during the period 1st November 56 to 31st March 57 is furnished in the annexure.

Building for the Central Workshop.—Government sanctioned the construction of a building for the central workshop at Guindy (next to the Engineering College) at a cost of Rs. 9.2 lakhs. This was a long felt need for the future development of the workshop, which was achieved during the year.

A list showing the name and number of the plants in each category, available in this department as on 31st March 57 is given in the Annexure. A statement of hire charges earned by the Plant that were detained in the Transport and Machinery Division for the year 1956-57 is also furnished in the annexure.

List of plant and machinery available in this department for the execution works and their total cost.

Serial number	name of plant and machinery.	Number available.	Total cost of each category.
(1)		(2)	(3)
			RS.
1	Asphalt mixer	28	6,55,256
2	Bitumen boiler	259	..
3	Boat ..	3	13,936
4	Break down van	4	32,500
5	Stone crusher	3	1,00,760
6	Concrete mixer	61	5,11,424
7	Compressor ..	30	3,56,070
8	Calyx core drill	4	1,20,067
9	Colcrete mixer	1	8,347
10	Bull dozers	7	5,01,688
11	Dodge tipper	3	25,850
12	Jeep tractor	10	14,039
	Trailer	26	1,24,800
13	Graders	13	8,56,895
14	Generators	8	16,616
15	Hand pumps	21	4,044
16	Jeeps	27	1,80,769
17	Lorries	103	8,56,949
18	Laboratory vans	5	85,000
19	Pile driving sets	3	48,750
20	Power pump set	42	1,05,000
21	Roller ..	350	1,30,72,450
22	Seamen mixer	1	68,450
23	Sheep foot roller	10	42,981
24	Screed vibrator	23	50,807
25	Tractors	44	5,06,000
26	Trench roller	4	1,20,000
27	Tipping trucks	28	..
28	Immersion vibrator	14	32,608
29	Welding set	9	7,803
30	Power winch	2	..
31	Hand drum mixer	..	..
32	Crane	2	4,950
33	Core cutting machine	1	9,000
34	Water carts	243	..
35	Hand winch, 10 tons	4	..
	.. 2 to 15	20	12,400
36	Hand boring set	4	..
37	Hydraulic jacks and pumps	673	8,514
38	Water Jetting equipment	1	20,734
39	Gunnitting set	1	15,950
40	Vibrating table	1	4,025
41	Tractor Tanker	1	9,500
42	Pavement breaker	1	11,300
43	Wyer Impactor	1	4,334
44	Trailer Grader	2	12,600
45	Pneumatic roller	1	4,150
46	Weighing machine	1	1,926
47	Compression testing machine	4	37,135
48	Weigh batcher	1	5,600
49	Sump pumps	5	7,997
50	Cum flow mixer	1	19,320

The higher charges earned by the plants that were detained at the Transport and Machinery Division during the year 1956-57.

	RS.	A.	P.
1 Mack Lorry MSP. 8549	5,725	0	0
2 Ford Tractor MSZ. 2025	10,228	0	0
3 Bedford Van MSZ. 2483	1,443	4	0
4 Lorry MSP. 905	6,914	3	0
5 Cinema Van MSZ. 3259	1,179	12	0
6 Field-Marshall Tractor MSP. 9775	852	0	0
7 Lorry MSC. 8685	7,807	0	0
8 M.M. Roller. MDF. 564	2,850	0	0
9 I.N.G.D. Roller 044	4,020	0	0
10 Roller MDJ. 1264	1,335	0	0
11 Callion Grader 13-017	1,800	0	0
12 Callion grader 13-016	3,474	9	0
13 Bull dozer 17A. 4269	6,020	9	0
14 E. P. G. 981	5,115	15	0
15 Bull-dozer 17A. 4550	7,675	2	0
16 ABD Roller. 215.	45	0	0
17 Lorry MDM. 1925	6	3	0
18 Lorry MSP. 1789	1,307	4	0
19 Lorry MSP. 2177	60	0	0
20 Lorry MDC. 2390	385	0	0
21 Lorry MSP. 9086	60	0	0
22 I.N.G.D. Roller 375	945	0	0
23 I.N.G.D. Roller 057	300	0	0
24 Lorry MSC. 8687	45	0	0
25 Lorry MSC. 9215	60	0	0
26 Lorry MSZ. 2867	3	0	0
Total ..	69,656	13	0

Statement showing items manufactured during the period 1st April to 31st October 1956, in the General section of the Transport and Machinery Division, Madras.

Serial number and description of article.	Quantity in numbers.	Value in rupees.
(1)	(2)	(3)
1 Bitumen drum mixer	183	65,880
2 Bristous make Burner Coil with Nozzle holder.	4	50
3 Plate bearing with copper plates for Arjuna River Bridge.	21 sets.	2,880
4 Teakwood rack for Deputy Chief Engineer (Highway's) Office.	1 No.	230
5 Front roll gunmental bushes for ABD Roller	8	760
6 Caster wheel with fork of Simpson type	5	60
7 Tarboiler of 160 gallons capacity.	21	43,100
8 Towel stand (Teakwood) for Director of Highways Research Station	1	40
9 Book shelf (teakwood) for Director of Highways, Research Station.	1	15
10 Gang water cart, 46 gallon capacity	1	155

Statement showing items manufactured during the period 1st April to 31st October 1956 in the General Section of the Transport and Machinery Division, Madras—cont.

Serial number and description of articles. (1)	Quantity in numbers. (2)	Value in rupees. (3)
11 Carbon stand Bearer for ABD Roller ..	12	42
12 Wooden almirah	12	1,188
13 Wooden racks.	12	720
14 Plate bearings for Krishnagiri	6 sets.	1,680
15 Water pump pulley for A.W. Roller ..	3	84
16 3-tons Four wheeled trailer	17	61,200
17 5-Ton six wheeled trailer	1	6,000
18 10-ton Eight wheeled trailer	1	9,000
19 Coat stand (Teakwood) for Director, Highways Research Station.	1	45
20 G. I. moulds with base plates.	4	90
21 Clutch operating dye-bush for A.B.D. roller ..	12	39
22 Tar squeezes.	82	303
23 Radiator filler cap for ABDR.	6	25
24 Master Clutch thrust bearings	2	45
25 Measuring cylinder for Highways Research Station 4 c.ft. 2 Nos., 2 c.ft 2½ Nos., 1 cft 2 Nos., ½ c.ft. 2 Nos. and ¼ c.ft. 2 Nos.	10	170
26 Steel table	1	55
27 Gudgeon Pin bushes for ABD roller	4	14
28 Fire bars for steam road rollers	52	130
29 Plate bearing for Sankadagundi Bridge ..	6 sets.	1,680
30 Mainfold Clap for INGD Roller.	16	16
31 Petrol Tank for Jeep.	1	40
32 Teakwood foldable table for Chief Engineer's (Highways) Office, Madras.	1	200
33 Hind Roll bushes for ABD Roller.	4	640
34 Cycle Stand for carrier for Chief Engineer (Highways) Office.	1	6
35 Cast iron grates (for drum mixers)	12	50
36 Impeller shaft washer for colcrete mixer. ..	10	45
37 Teakwood sample box.	1	110
38 Tapal pads (Rosewood ½ inch)	11	44
39 Ash pan for T.M.S. Roller	1	31
40 Wooden Board.	1	40
41 Forward and Reverse clutch level for G.T.R. roller.	12	17
42 Oil Filter bracket for Jeep.	1	13
43 Slumpcones.	2 sets	55
Total ..		1,96,987

Statement showing items manufactured during the period from 1st November to 31st March 1957 in the General Section of the Transport and Machinery Division, Madras-25.

Serial number and description of articles. (1)	Quantity in numbers. (2)	Value in rupees. (3)
1 Bitumen drum mixer	167	60,120
2 Bristous make burner coil with nozzle holder.	10	126
3 Tar boiler of 160 gallons capacity	6	12,600
4 Carbon stand bearer for ABD roller ..	16	56
5 Wooden almirah	3	297
6 Wooden racks	4	180
7 10-Ton eight-wheeled trailer	5	45,000
8 Tar squeezes	10	37
9 Gudgeon pin bushes for ABD roller ..	16	58
10 Fire bars for steam road roller ..	112	300
11 Steel tender box	1	125
12 Water circulating pump pulley for ABD roller.	4	37
13 Sliding plate bearing for bridge across Palar.	34 sets	8,160
14 Sliding plate bearing for bridge on Salem-Cochin Road.	12 ..	1,850
15 Burner coils for 40 gallons Tar boiler..	20	333
16 Cabinet boxes	10	900
17 Mould boxes for pre-stressed concrete beam.	3 sets	360
18 Plate bearings for Vaipar bridge ..	17 ..	1,200
19 Plate bearings fixed with cast lead sheet for bridge across Palar at Ranipet.	21 ..	4,620
20 Paddle tips for barber mixer	16	60
21 Channel forms	810 R.ft.	2,997
Total ..		1,39,426

(g) Contracts.

Statistics showing the contracts awarded for Government and District Board works during the year 1956-57 under different classification are given below :—

Classification. (1)	Government Roads.		District Board Roads.	
	Number. (2)	Cost. (3) RS.	Number. (4)	Cost. (5) RS.
(From 1st April to 31st October 1956).				
Maintenance works	1,352	81,73,447	1,590	58,64,417
Surfacings	271	35,00,078	168	24,26,693
Bridges, culverts and causeways ..	104	34,60,513	82	5,89,620
(From 1st November 1956 to 31st March 1957).				
Maintenance works	1,024	66,55,202	1,637	60,37,993
Surfacings	266	43,91,174	135	16,64,448
Bridges, culverts and causeways ..	70	10,97,339	70	7,72,726

Comparative figures for the previous years are given in statement in Annexure 20.

(h) *Claims and Disputes.*

During the year, there were a few cases of claims and disputes from the contractors as detailed below:—

Name of division. (1)	Name of contractor. (2)	Nature of claims. (3)
(i) Coleroon Bridge Division.	.. Sri K. Veeraswami Naidu	The contractor put in a claim for extra payment for machine mixing. The matter was under correspondence.
(ii) (a) Villuparam Division	.. Messrs. Sathyanarayana Brothers.	Claims for payment towards loss incurred on account of well silted, materials washed off, etc., during heavy rains and floods in Ponnai river. The claim was rejected as per the opinion of the Executive Engineer, P.W.D., South Arcot, stating that the flood was not unprecedented.
(b) Villuparam Division	.. Sri N. V. Bashya Reddijar.	The contractor claimed extra rates for well sinking and plugging of wells besides this minor items. The matter was under correspondence.

(i) *Accidents.*

During the year under reference there were the fatal accidents and a few cases of injuries. The victims were mazdoors employed on road works. The question of payment of compensation for the most of the cases were under correspondence. The details of accidents are given in the statement below:—

Serial number and name of the district. (1)	Date and nature of accident. (2)	Name of the victims and the brief notes of the accident. (3)	Award. (4)
1 Transport and Machinery Division, Guindy, Madras-25.	18 May 1956 Minor accident.	Sri C. Singaram, Moulder Grade II, General section, while pouring the molten metal in the mould, splinter of metal reached his right eye.	Nil
2 Special Division, Bodinayakanur.	8 July 1956 Met with an accident by the slip of a road.	The contractor's mazdoor by name Chinna Pillai met with an accident by the slip of a rock on his thigh and sustained fracture of bones.	The award has not yet been settled.
3 Ramnathapuram at Sivaganga.	11 July 1956 Serious burns in the leg.	On 11th July 1956 the gang mazdoor Sri Karupiah Servai while doing departmental patch work in Madurai-Ramnath road M. 35. 36, was met with burns due to the Tar bucket gave way.	No special award was given. Wages for the period of absence was calculated and paid as per clause 4 (D) of Workmen's Compensation Act and the party accepted the same. On recovery he joined duty.

Serial number and name of the district. (1)	Date and nature of accident. (2)	Name of the victims and the brief notes of the accident. (3)	Award. (4)
4 Special Division, Bodinayakanur.	9 Oct. 1956. Due to outbreak of fire during blasting operation one mazdoor sustained serious injuries and died and three others sustained minor injuries.	Muthukamatchi Asari, a mazdoor employed by the contractor sustained serious injuries and died on 10-10-1956 in the hospital. The following three others sustained minor injuries and were admitted in Government Hospital, Bodinayakanur, on 12th September 1956. (1) Perumal Gounder, (2) Subbiah Gounder, (3) Tirupathi Boyan. They were discharged on 6th November 1956 and 25th October 1956 respectively.	The award was not settled.
5 Transport and Machinery Division, Guindy, Madras-25.	22 Nov. 1956. Minor accident.	Sri M. Perumal, Crane Operator, Transport Section.	Nil
6 Do.	24 Nov. 1956. Minor accident.	Sri R. Appadurai, Cleaner, Transport Section, while inflating truck tyre they were thrown off due to the accidental forcing out of the lock ring.	Nil
7 South Arcot Division.	21 Jan. 1957. Lorry accident.	Uliyan (Gang mazdoor), was run over by lorry at 2 p.m. while he was attending to patch-work. Accident is due to rash driving.	Not yet passed.
8 Tiruchirapalli (Highways) Division.	31 Jan. 1957. Caught in front wheel of roller and sustained injuries on both legs.	Anjalani. The cooly was employed to watering the wheels of the roller and slipped down and caught in the front wheel.	Rs. 200.
9 Erode (Highways) Division.	19 Feb. 1957. Slipping down into the well while attempting to take water from the well.	Govindammal, aged 14, who was an avenue gang cooly, working in Andiyur-Attani road slipped down and fell into the well while attempting to take water for watering the plants.	Under correspondence.
10 Madurai Division.	23 Feb. 1957. At 2-30 a.m. M. 293/2 of G. S. T. Road. Private car MDU 5680 has dashed against the departmental plant (heat master) at 2-30 a.m. on 23rd February 1957 due to the negligence on the part of the driver.	The watchman Santhanam employed under the contractor died even though necessary danger lights and caution boards were provided at the spot.	The case was pending trial in the Additional First-class Magistrate's Court, Madurai.

(5) *Flood and monsoon damages.*
There were several cases of interruption to traffic during the year 1956-57 in certain districts. Prompt action was taken and traffic was restored as early as possible.

Details of roads affected and the nature of damages caused are given below.

From 1st April to 31st October 1956.

Name of district. (1)	Name of road and mileage. (2)	Month of occurrence. (3)	Date of interruption of traffic. (4)	Date of restoration of traffic. (5)	Extent of damages caused. (6)
COIMBATORE DISTRICT.					
Erode Division.	(1) Salem-Cochin road.	October 1956.	No interruption to traffic.		Rs. 3,000
Coimbatore Division. Ootacamund Division.	(2) Coimbatore Sathy-Chemrajanagar road. Miles—52/0-60/0.	Do.	3rd November 1956.	15th November 1956.	Chips collected was washed out. Earthwork also is to be done. Due to heavy rains, land slips occurred on 3rd November 1956.
	(3) Coonoor-Kotagiri road—Mile 12-2	April 1956.	22nd April 1956, 6 p.m.	22nd April 1956, 12 midnight.	49,475
SALEM DISTRICT.					
Krishnagiri Division	(4) Hosur-Thalli road—Miles 11/4-5 and 14/3.	October 1956.	4th October 1956.	6th October 1956.	15
Vellore Division.	(5) Morappur - Marandahalli road.	Do.	Do.	Do.	450
	(6) Agaram-Sibbanthi-Kanchi road. Mile 1/5 (O.D.R.).	October 1956.	7th October 1956.	27th October 1956.	
Krishnagiri Division.	(7) Tiruvannamalai - Kanji road—Mile 12/1 (MDR).	Do.	9th October 1956.	25th October 1956.	2,450
	(8) N. C. Veeralur Road—Mile 4/2 (O.D.R.)	Do.	16th October 1956.	27th October 1956.	2,000
	(9) Madras-Bangalore road—Miles 187/4-7 (N.H.).	October 1956.	..	..	520
	(10) Hosur - Adamancottah road—Mile 32/5, 6 and 7.	Do.	..	..	2,450
Vellore Division.	(11) Denkanicottah-Kelamangalam road—Mile 6/8.	Do.	16th October 1956.	21st December 1956.	2,000
	(12) Madras Bangalore road—Mile 167/8 (N.H.).	Do.	Do.	11th December 1956.	One span washed away. Proposed to be reconstructed.

ADMINISTRATION REPORT OF THE

NORTH ARCOT DISTRICT.					
Vellore Division	(13) Ranipet-Krishnagiri road—Mile 71/1-5 (N.H.).	October 1956.	10th October 1956.	27th October 1956.	....
Vellore Division.	(14) Cuddalore-Chittoor road—Miles 105/5 (P.H.).	Do.	14th October 1956.	15th October 1956.	....
	(15) Cuddalore-Chittoor road—Mile 64/5 (P.H.).	Do.	11th October 1956.	22nd October 1956.	....
Vellore Division.	(16) Cuddalore-Chittoor road—Mile 82/1 (P.H.).	Do.	Do.	13th October 1956.	....
	(17) Palikonda-Palmaner road—Miles 0/7 to 1/1 (M.D.R.).	Do.	10th October 1956.	23rd October 1956.	....
Vellore Division.	(18) Ambur-Sathur road—Miles 0/7-8 (M.D.R.).	Do.	11th October 1956.	25th October 1956.	....
	(19) Polur-Chengam road—Miles 13/5 to 29/6.	Do.	12th October 1956.	22nd October 1956.	....
Vellore Division.	(20) Polur-Chengam road—8/4 (M.D.R.).	Do.	11th October 1956.	Do.	....
	(21) Wandiwash-Polur road—Miles 31/4-5 (M.D.R.).	Do.	12th October 1956.	26th October 1956.	....
Vellore Division.	(22) Arni-Chetpet road—Mile 6/1 (M.D.R.).	Do.	Do.	Do.	....
	(23) Arcot-Tindivanam road—Miles 25/3-4 (M.D.R.).	Do.	2nd October 1956.	26th October 1956.	....
Vellore Division.	(24) Arkonam-Ocheri Road—Mile 8/2 (M.D.R.).	Do.	14th October 1956.	18th October 1956.	....
From 1st November 1956 to 31st March 1957.					
CHINGLEPUT DISTRICT.					
Chingleput Division.	(1) Tiruvottiyur - Ponneri - Pan-jetty road—Miles 4/4 to 5/7.	November 1956.	21st to 26th November 1956.	26th November 1956.	3,400
Chingleput Division.	(2) Uthiramerur - Kanjeeppuram road.	Do.	28th November to 22nd December 1956.	22nd December 1956.	42,604
	(3) Cuddalore-Chittoor road—Miles 44/7 to 45/2.	October 1956.	11th to 22nd October 1956.	22nd October 1956.	150
South Arcot Division.	(4) Vridhachalm - Tholudur road.	Do.	5th October 1956 to 21st January 1957.	21st January 1957.	Road dam collapsed. Cost of reconstruction is Rs. 9,850. 36,400.
	(5) Vridhachalam - Portonovo road.	November 1956.	23rd to 25th November 1956.	25th November 1956.	
South Arcot Division.	(6) Madras - Trichy - Dindigul road—Mile 104/1-4.	September 1956	September 1956		

From 1st November 1956 to 31st March 1957—cont.

Name of district. (1)	Name of road and mileage. (2)	Month of accurrence. (3)	Date of interruption of traffic (4)	Date of restoration of traffic (5)	Extent of damages caused. (6)	Rs.
South Arcot Division— cont.	Cuddalore - Chittoor road— Miles 44/4 to 45/2.	September 1956.	11th October 1956			1,000
Tanjore Division.	Pattukkottai - Aranthangi road—Miles 10/4, 12/4 to 20/8.	September 1956.	11th October 1956.			500
	Aranthangi to Pudupatti road—Miles 0/1 to 4/8.					500
	Aranthangi to Kattumavadi road—Miles 0/1 to 10/0.					1,000
	Aranthangi to Kattumavadi road—Mile 10/0 to 15/6.					4,000
Coimbatore Division.	Kotagiri - Mattupalayam road—Miles 10/2 to 17/5.	November 1956.	No interruption to traffic		In miles 10/2—17/5 rock boulders of different size slipped from hill side and in mile 11/2—15/3 the parapets collapsed.	20,000
Ootacamund Division.	Kotagiri - Mattupalayam road—Mile 6/1 to 9/7.	November 1956, December 1956.	23rd November 1956 3rd December 1956	25th November 1956 9th December 1956		3,300
Coimbatore Division.	Forming road from Chinnathadugam to Mannarghat Mile 12/4, 6, 7, 14/5 and 6, 17/2-5 and 18/4.	November 1956.	17th November 1956	17th December 1956		
Vellore Division.	Arcot Tindivanam road— Mile 25/3-4 (M.D.R.).	Do.	12th November 1956	24th November 1956		
	Cuddalore-Chittoor road— Mile 105/5 Kannanangalam (P.H.).	Do	11th November 1956 20th November 1956	15th November 1956 24th November 1956		
	Arakonam-Ocheri road— Mile 8/2 (M.D.R.).	Do	12th November 1956	16th November 1956		
	Wandiwash-Polur road— Miles 33/3-4.	Do	21st November 1956	1st December 1956		

(k) Avenues.

During the year, new plantations of avenues were taken up on all roads as in the case of previous years. The number of avenues newly planted and those survived on Government and District Board roads were as follows.—

		Number newly planted.	Number survived.
(i) From 1st April to 31st October 1956.			
(a)	Government Roads	50,320	23,919
(b)	District Board Roads	17,826	9,504
(ii) From 1st November 1956 to 31st March 1957:			
(a)	Government Roads	55,071	33,996
(b)	District Board Roads	13,113	5,935

Divisionwise particulars of the number of trees planted and the number survived, expenditure incurred and income derived on avenues, are given in Annexure No. 28. A total expenditure of Rs. 4,47,485 on Government roads and Rs. 92,864 on District Board roads was incurred on maintenance of avenues while the income derived was Rs. 8,42,462 and Rs. 1,89,861 on Government and District Board roads respectively.

(l) Ferries.

Sixty-seven ferries from 1st April to 31st October 1956 and 29 ferries from 1st November 1956 to 31st March 1957 were maintained by the department. An amount of Rs. 28,891 up to 31st October 1956 and Rs. 16,572 up to 31st March 1957 was realized towards revenue on account of their maintenance. Divisionwise particulars of ferries maintained, are given in Annexure No. 28.

(m) Inspection Bungalows.

There were twenty-two and 13 inspection bungalows in-charge of this Department as on 31st October 1956 and 31st March 1957. An expenditure of Rs. 4,983 up to 31st October 1956 and Rs. 4,569 up to 31st March 1957 was incurred on their maintenance while the income realized was Rs. 1,401 and Rs. 1,154 respectively. Divisionwise particulars are given in Annexure 29 (ii):

(n) Travellers' Bungalows.

One hundred and sixty-five travellers' bungalows as on 31st October 1956 and 89 travellers' bungalows as on 31st March 1957 were maintained by this Department. An expenditure of Rs. 25,341 and Rs. 15,998 was incurred on their maintenance during the periods. The income derived was Rs. 647 and Rs. 7,074 during the periods from 1st April to 31st October 1956 and 1st November 1956 to 31st March 1957 respectively.

(o) Encroachments.

Government roads—(i) From 1st April to 31st October 1956.—One thousand seven hundred and thirty-three cases of encroachments were detected during the period, 1,173 numbers licensed; 959 numbers evicted

and 6,297 numbers of objectionable and 12,395 numbers of unobjectionable encroachments were pending disposal at the end of the period.

(ii) *From 1st November 1956 to 31st March 1957.*—Four thousand five hundred and sixty-three cases of encroachments were detected during the period, 1,518 numbers licensed, 2,010 numbers evicted and 12,690 numbers of objectionable and 12,040 numbers of unobjectionable encroachments were pending disposal at the end of the period.

(p) *District Board roads.*

(i) *From 1st April to 31st October 1956.*—Nine hundred and seventy-three numbers of encroachments were detected during the period, 403 numbers licensed, 339 cases evicted, 851 numbers of objectionable and 956 unobjectionable cases were pending disposal.

(ii) *From 1st November 1956 to 31st March 1957.*—Nine hundred and four numbers of encroachments were detected, 522 cases were licensed and 329 numbers were evicted. Seven hundred and twenty-seven objectionable and 1,006 unobjectionable encroachments were pending disposal during the period.

Divisionwise details of encroachments under municipal and non-municipal areas are furnished in Annexure 27 (i) and (ii).

(q) *Works approved by Government under Post-War Road Development Schemes.*

The total number of works approved by Government during 1956-57 under this Road Development Scheme was as follows :—

(i) *From 1st April to 31st October 1956.*—Fifty-seven works to a total cost of Rs. 96,12,047 on Government roads and 269 works costing Rs. 33,93,458 on District Board roads were approved.

(ii) *From 1st November 1956 to 31st March 1957.*—Eight works costing Rs. 18,86,800 on Government roads and 174 works costing Rs. 33,39,950 on District Board roads were approved by Government.

Divisionwise details showing the number of works approved during and to end of the periods are shown in Annexure 15.

(r) *Work done in the office of the Superintending Engineers (Highways) and Divisional Engineers (Highways).*

Divisionwise particulars of technical sanctions accorded to estimates, tenders and agreements by the Superintending Engineers (Highways) and Divisional Engineers (Highways) are furnished in Annexures 16, 17 and 18.

(s) *Work done in the office of the Chief Engineer (Highways).*

Details of technical sanction to estimates, tenders dealt with and contracts approved are given in Annexure 19.

CHAPTER VII.

ACCOUNTS AND AUDITS.

The Special Scheme of accounting and audit has been sanctioned by the Government and the Comptroller and Auditor-General of India for the department as a permanent measure.

A statement of the items of objections raised as a result of audit of the accounts of the Divisions and outstanding unremedied items at the end of 31st March 1957 is furnished below :—

Particulars.	Items over three years.		Items over one year and less than three years.		Items less than one year.	
	Items.	RS.	Items.	RS.	Items.	RS.
1 Want of estimate ..	5	53,304	26	11,51,385	206	10,74,466
2 Excess over estimate ..	15	4,13,266	95	5,26,511	346	6,20,120
3 Want of appropriation. ..	..	..	..	..	..	..
4 Excess over appropriation. ..	..	..	..	..	..	..
5 Want of vouchers and stamped receipts due. ..	..	..	137	65,893	205	10,20,439
6 Miscellaneous irregularities. ..	..	..	..	..	9	3,41,909
Total ..	20	4,66,570	253	17,43,789	766	30,50,934

Total number of items outstanding objections, 1,044.

Amount under objection, Rs. 52,67,293.

There is a decrease in the number of outstanding objections as compared with last year as clearance of a large number of objections was effected by the Special Accounts Officer appointed for the purpose. The clearance of the objections is being pursued by special letters to the officers concerned urging early regularisation.

CHAPTER VIII.

COMMITTEES AND CONFERENCES.

(a) *Board of Communications.*

During the period under report no meeting was held, since the list of all the members of the Board as reconstituted in G.O. No. 1325, P.W., dated 12th April 1954, was not finalised.

(b) *Central Annual Conference.*

The Central Annual Conference was held on 28th and 29th May 1956 in the Municipal Council Hall at Kodaikanal.

The following officers were present :—

(1) Sri K. K. Nambiar, B.E., M.I.E. (Ind.), F. INST.H.E., (Eng.), M.I. MUN.E. (Eng.), M.A.M.SOC.C.E., Chief Engineer (Highways), *Chairman*.

(2) Sri S. C. Nayak, C.E., M.I.E. (Ind.), Superintending Engineer (Highways), Cannanore.

(3) Sri G. S. Ganapathy, C.E., Superintending Engineer (Highways), Madras.

- (4) Sri T. S. Kethara Mudaliar, C.E., Superintending Engineer (Highways), Coimbatore.
- (5) Sri P. Sirajuddin, B.E., A.M.I.E. (Ind.), Superintending Engineer (Highways), Tiruchirappalli.
- (6) Sri K. Ramaswami Reddiar, B.E., M.A.M.SOC.C.E., I.I.H.E., Director, Highways Research Station, Madras.
- (7) Sri K. Namasivayam, B.E., Deputy Chief Engineer (Highways), Madras.
- (8) Sri S. R. Naidu, B.E., A.M.I. (STRUCT.) E., Divisional Engineer (Highways), Saidapet, Madras.
- (9) Sri N. J. John, C.E., A.M.I.E., Divisional Engineer (Highways), Kozhikode.
- (10) Sri O. Sivasankara Mudaliar, B.E., Divisional Engineer (Highways), Coimbatore.
- (11) Sri C. R. Munuswami Naidu, C.E., Divisional Engineer (Highways), Madurai.
- (12) Sri A. Muthu umaraswami, B.E. (Mech.), Divisional Engineer (Highways) Division, Transport and Machinery Division, Madras.
- (13) Sri V. S. Ramachandra Iyer, B.A., Accounts Officer (Highways), Madras.

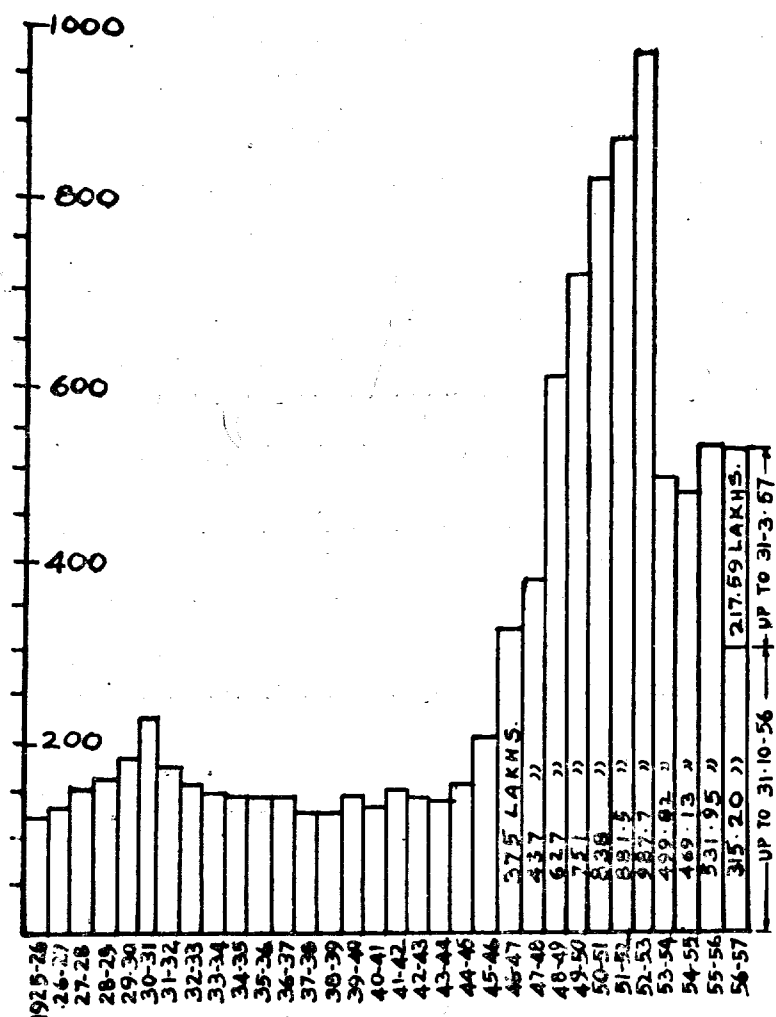
The following subjects were discussed:—

- (1) Review of the progress of the resolutions passed at the last year's conference held at Courtallam on 28th and 29th July 1955.
- (2) Sanction of peons to Special Section officers.
- (3) Fixing up travelling allowance limits of the Divisional Engineers and Assistant Engineers (Highways).
- (4) Fixed travelling allowance of Junior Engineers and Supervisors—Proposals for enhancement.
- (5) Prescribing the volume of work to be turned out by the Supervisors, Junior Engineers and Assistant Engineers working in Local Development and Community Development area and Community Projects.
- (6) Inspection of Section offices by Assistant Engineer (Highways).
- (7) Inspection of circle by the Chief Engineer (Highways)—Supply of adequate particulars.
- (8) Absolute transfer of control of metal and gravel quarries to Highways Department.
- (9) Central Road Fund works of district boards.
- (10) Bridges—Investigation and preparation of estimates—Suggestion to expedite.
- (11) Estimates prepared by the Divisional Engineer (Highways)—Designs based on field particulars approved by the Superintending Engineers (Highways) need not be sent back to them again but may be sent to Chief Engineer (Highways) direct.
- (12) Inspection of District Board roads by the Superintending Engineer (Highways)—Percentage of inspection of district board roads—Reduction of 15 per cent to 7.5 per cent.
- (13) Implementation of S.S.R.B.

- (14) Contracts—Appeal against orders of Superintending Engineer (Highways) and Divisional Engineer (Highways).
 - (15) Tools and Plant—Special repairs.
 - (16) Supply of steel and cement.
 - (17) Transfer of control of ferries frames to the Revenue Department.
 - (18) Encroachment to roads.
 - (19) Putting up roundabouts and traffic islands on roads.
 - (20) Powers of Divisional Engineers (Highways) to purchase stationery articles for urgent use up to Rs. 25 at one time.
 - (21) Powers of Divisional Engineers to sanction estimates for office furniture up to Rs. 200 for each estimate.
 - (22) Transport of Departmental materials.
 - (23) Utilization of corrugated sheets now kept idle in the Transport and Machinery Yard.
 - (24) Schedule of rates—Conference—Revision of rates approved in the conference and fixing of rates for new items—Procedure—Regarding.
 - (25) Fixing of hire charges for power rollers.
 - (26) Appointments of overseers in the Highways Department.
 - (27) Pay scale of Draftsman in the Highways Department—Revision of pay.
 - (28) Special repairs—Works—Additional works—Dispensation with tenders.
 - (29) Appointment of candidates with L.M.E. and L.A.E. qualifications as Supervisors.
 - (30) Work-charged establishment—Maistries—Provincialisation of service.
- The subjects were discussed and the Superintending Engineer (Highways) were asked to take necessary action wherever required.

K. V. EKAMBARAM,
Chief Engineer (Highways).

TOTAL ANNUAL EXPENDITURE IN LAKHS OF RS.



THE FIGURES NOTED UP TO 1952-53 RELATE TO THE COMPOSITE STATE OF MADRAS AND THAT OF 53-54, 54-55 & 55-56 ARE IN RESPECT OF RESIDUARY MADRAS STATE

THE FIGURES NOTED UP TO 31-10-56 IS IN RESPECT OF RESIDUARY STATE AND FURTHER UP TO 31-3-57 IS AFTER TRANSFER OF THE AREAS IN MALABAR AND SOUTH KANARA DTS TO KERALA AND MYSORE STATE

GROWTH OF ROADS.

1880-81	19,500 MILES.
85-86	19,650 "
90-91	21,600 "
95-96	21,600 "
1900-01	23,800 "
1905-06	25,100 "
10-11	26,000 "
15-16	26,500 "
20-21	26,500 "
25-26	28,700 "
30-31	31,700 "
35-36	34,000 "
40-41	37,900 "
45-46	37,900 "
46-47	37,900 "
47-48	37,900 "
48-49	37,974 "
49-50	38,047 "
50-51	38,971 "
51-52	40,556 "
52-53	41,488 "
53-54	25,927 "
54-55	26,384 "
55-56	26,655 "
56-57	24,174 "

THE FIGURES NOTED UP TO 1952-53 RELATE TO THE COMPOSITE STATE OF MADRAS & THAT OF 53-54, 54-55 AND 55-56 ARE IN RESPECT OF RESIDUARY MADRAS STATE.

THE MILEAGE NOTED IN 56-57 IS AFTER TRANSFER OF AREAS IN MALABAR AND SOUTH KANARA DTS TO KERALA AND MYSORE STATE.

ANNEXURE I.

(i) *Statement showing mileage of Extra Municipal Roads maintained by Public Authorities for the year ending 31st March 1957.*
 ("Extra Municipal" means outside the areas of jurisdiction of a Municipality, a City Corporation, and Improvement or Port Trust or like Urban Body.)
 (Figures to be rounded off to the nearest mile. Fractions of a mile or furlongs not to be shown.)

(1)	Surface type.										Remarks.
	Black-topped surface.					Lower type.					
	a.	b.				a.	b.				
	Surface-dressed with tar bitumen or asphalt, hot or in form of cut-backs or emulsions.	Grouded sheet, asphalt or any base asphalt concrete or macadam, including one inch or more.	Cement concrete.	Water bound macadam.	artificially admixed gravel, natural soil, on the surface.	Using material, natural soil.	Natural soil.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			
1 National Highways —											
Mileage as on 31st March 1956	922.5	14.6	125.4	21.3	..	..	1,084.2 or 1,084	....			
New constructions during 1956-57 (+ or —)											
Five-Year Plan .. .. .	..	..	..	..	..	..	..	....			
Outside .. .. .	..	..	..	..	..	..	..	....			
Improvements from a lower category (+ or —)											
Five-Year Plan .. .. .	..	..	..	..	..	..	..	....			
Outside	7.3	..	..	— 7.3	..	..	..	....			
Mileage as on 31st March 1957	930.0	14.6	125.4	14.0	..	..	1,084.2 or 1,084	....			
*Current Five-Year Plan Targets—											
New constructions .. .. .	..	..	..	..	..	..	..	....			
Improvements .. .. .	..	..	..	..	..	..	..	....			

2 Other roads maintained by State Public Works Department—

Mileage as on 31st March 1956	3,190.1	58.0	149.2	3,240.6	342.7	34.0	7,015	..	..	..	..
New constructions during 1956-57 (+ or —)											
Five-Year Plan	..	..	..	..	..	..	..	..	..	..	..
Outside	29.2	..	..	406.6	15.0	11.2	463.2	..	..	..	..
Improvements from a lower category (+ or —)											
Five-Year Plan	1.4	..	5.4	— 2.0	— 5.0	..	..	..	..	..	..
Outside	438.4	2.0	1.0	— 426.4	— 15.0	..	..	..	..	..	..
Mileage as on 31st March 1957	3,659.3	60.0	155.6	3,219.0	337.7	45.2	7,477.2	..	7,477	..	..
*Current Five-Year Plan Targets—											
New constructions	..	..	..	..	..	..	..	..	..	..	..
Improvements	305.8	28.0	11.0	232.0	..	..	576.0	..	..	..	..

3 Roads maintained by local bodies—

Mileage as on 31st March 1956	292.0	..	1.0	7,277.0	3,290.0	4,963.0	15,823.0	..	..	..	..
New constructions during 1956-57 (+ or —)											
Five-Year Plan	..	..	..	..	..	..	..	..	..	..	..
Outside	— 20.6	..	..	— 512.7	63.0	39.0	— 380.7	..	..	..	..
Improvements from a lower category (+ or —)											
Five-Year Plan	..	..	..	..	..	..	..	..	..	..	..
Outside	57.0	..	..	394.6	192.0	— 643.6	..	..	..	..	..
Mileage as on 31st March 1957	328.2	..	2.0	7,164.7	3,539.0	4,447.0	15,481.1	..	15,481	..	..
*Current Five-Year Plan Targets—											
New constructions	..	..	..	..	..	..	..	..	..	..	..
Improvements	160.0	..	..	964.0	..	..	1,124.0	..	..	..	..

4 Total—

Mileage as on 31st March 1956	4,404.6	72.6	275.6	10,539.1	3,632.7	4,997.0	23,922.0	..	..	..	..
New constructions during 1956-57 (+ or —)											
Five-Year Plan	..	..	..	..	..	..	..	..	..	..	..
Outside	8.4	..	1.0	— 106.1	78.0	39.0	39.0	..	..	..	..

ANNEXURE 1—cont.

(i) Statement showing mileage of Extra-Municipal Roads maintained by Public Authorities for the year ending 31st March 1957—cont.
 ["Extra-Municipal" means outside the areas of jurisdiction of a Municipality, a City Corporation, and Improvement or Port Trust or like Urban Body.]
 (Figures to be rounded off to the nearest mile. Fractions of a mile or furlongs not to be shown).

	(1)	Surface type.						Total.	Remarks.
		Black-topped surface.		Lower type.					
		a.	b.	a.	b.	a.	b.		
		Surface-dressed with tar bitumen or asphalt hot or in form of cut-backs or emulsions.	Grouted sheet, asphalt or any base asphaltic concrete or macadam, including carpets, one inch thick or more.	Cement concrete.	Water bound macadam.	Using artificially graded gravel, natural soil, etc. on the natural soil.			
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
4 Total—cont.									
Improvements from a lower category (+ or -)—									
Five-Year Plan ..	..	1.4	..	5.4	4.9	— 11.0	..	..	..
Outside ..	..	502.7	2.0	1.0	— 39.1	177.0	..	..	..
Mileage as on 31st March 1957 ..	..	4,917.5	74.6	283.2	10,397.7	3,876.7	4,492.2	24,042.0	..
*Current Five-Year Plan Targets—									
New constructions ..	..	465.0	28.0	11.0	1,196.0	..	1,967.0	1,967.0	..
Improvements ..	..	..	..	..	..	..	..	1,700.0	..
Number of Major Bridges—									
Number completed as on 31st March 1956 ..	..	38+6	..	..	..	..	..	44	..
Completed during 1956-57 —									
Five-Year Plan ..	..	..	..	..	..	..	..	..	..
Outside ..	..	4	..	..	..	..	..	4	..
Number completed as on 31st March 1957 ..	..	..	..	..	..	..	..	48	..
*Current Five-Year Plan Target—		..	..	..	..	..	..	..	..

ANNEXURE 1—cont.

(ii) Expenditure incurred on Extra-Municipal Roads maintained by Public Authorities during the year ending 31st March 1957.

(Extra-Municipal means outside the area of jurisdiction of a Municipality, a City Corporation, Improvement or Port Trust or like Urban Body.)

STATE—Madras.

(Figures to be rounded off to the nearest thousand Rs.)

	Five-Year Plan target.	EXPENDITURE		
		Under Five-Year Plan up to 31st March 1956.	During the year 1956-57.	Under Five-Year Plan up to 31st March 1957.
	RS.		RS.	RS.
1. Expenditure under the Five-Year Plan—				
A. New constructions and improvements debited to Original Works under the Five-Year Plan—				
(a) From Central Resources.	2,82,06,000	..	12,95,000	12,95,000
(i) National Highways	..	..	..	..
(ii) Central Road Fund	..	..	..	..
(iii) Other Central Aid	..	..	..	..
(b) From State Resources—				
(i) Capital Account and Loans.	1,97,22,000	..	23,76,000	23,76,000
(ii) Revenue Account ..	..	..	1,63,000	1,63,000
(c) From Local Body Resources.	2,84,39,000	..	21,14,000	21,14,000
	7,63,67,000	..	59,48,000	59,48,000
B. Major Bridges under construction or completed under the Five Year Plan—				
(a) From Central Resources—				
(i) National Highways	1,59,94,000	..	24,98,000	24,98,000
(ii) Central Road Fund	..	..	..	..
(iii) Other Central Aid ..	..	..	..	..
(b) From State Resources—				
(i) Capital Accounts and Loans.	80,57,000	..	8,64,000	8,64,000
(ii) Revenue Account ..	..	..	81,000	81,000
(c) From Local Body Resources.	..	..	..	..
	2,40,51,000	..	34,43,000	34,43,000
Total, A & B. ..	10,04,18,000	..	93,91,000	93,91,000
2. Other Expenditure on New Constructions and Improvements, if any—				
(a) From Central Resources—				
(i) National Highways			52,000	
(ii) Central Road Fund			28,41,000	
				52,000 + 28,41,000 = (Government 16,03,000 + District Board 12,38,000.)
(iii) Other Central Aid			23,74,000	
(b) From State Resources—				
(i) Capital Account and Loans.			2,32,000	
(ii) Revenue Account ..			1,76,000	
(c) From Local Body Resources.			21,38,000	

ANNEXURE 1—cont.

(ii) Expenditure incurred on Extra-Municipal Roads maintained by Public Authorities during the year ending 31st March 1957—cont.

	Five-year Plan target.	EXPENDITURE. Under Five-Year Plan up to 31st March 1956.	During the year 1956-57. RS.	Under Five-Year Plan up to 31st March 1957.
3. Maintenance Repairs (including Maintenance of Major Bridges) and Improvements debited to maintenance—				
(a) From Central Resources—				
(i) National Highways			37,47,000	
(ii) Central Road Fund			..	
(iii) Other Central Aid			..	
(b) From State Resources—			..	
(i) Capital Account and Loans.			1,94,15,000	
(ii) Revenue Account ..			88,34,000	
(c) From Local Body Resources.			..	
4. Administration and Other Expenses—				
(a) From Central Resources			..	
(b) From State Resources..			24,69,000	
(c) From Local Body Resources.			8,04,000	
5. Loan Charges—				
Interest			..	
Repayments			..	
Grand total ..			5,24,73,000	

(iii) Particulars of, and expenditure on, Major Bridges.

(Expenditure figures to be rounded off to the nearest thousand rupees)

1 Number of Major Bridges existing on 31st March 1956 (vide Item 3 of previous year's return).	38 + 6 (Kanyakumari Division).
2 Number of Major Bridges on which work was completed during the year.	4
3 Number of completed Major Bridges existing on 31st March 1957.	42 + 6 (Kanyakumari Division).
4 Total expenditure incurred during the year—Major Bridges.	Rs. 42,89,000.
5 Particulars of Major Bridges on which work was completed during the year shown in item 2 above.	

Serial number and name of bridge.	Length in feet.	Total expenditure on the bridge. RS.
(1)	(2)	(3)
1 Constructing a bridge at M. 27/5 of Tirumushi-Satyavedu Road.	360	3,16,000
2 Submersible bridge across Gadilam at M. 110/2 of Vikravandy Lower Anicut Road.	320	2,42,000

ANNEXURE 1—cont.

District Board Works.

Serial number and name of bridge.	Length in feet.	Total expenditure on the bridge. (3) RS.
(1)	(2)	(3)
1 Constructing Causeway across Ponnai river near Melpattambakkam.	1,695	4,60,000
2 Construction of a bridge across Karamanai near Manapad.	540	2,97,000

(iv) Statement showing the mileage and expenditure of roads in Municipal limits and maintained by Government as on 31st March 1957.

Only roads open to vehicular traffic should be covered in this statement.

Type of road.	Mileage.			Expenditure during the year ending 31st March, 1957. Rs. lakhs.		
	As on 31st March 1956.	Change since last report. Plus or minus on Col. (2).	Total as on 31st March 1957. [Cols. (2) + (3)].	New construction. (In thousands).	Maintenance. (In thousands).	Total. (In thousands).
	(2) M. F.	(3) M. F.	(4) M. F.	(5) RS.	(6) RS.	(7) RS.
1 Bituminous or tarred ..	222 7	13 6	236 5	66,000	7,10,000	7,76,000
2 Concrete	37 6	4 2	42 0	..	28,000	28,000
3 Water-bound macadam and Pavements with bricks and stones.	40 6	(-) 4 4	36 2	..	41,000	41,000
4 Any other types ..	5 1	..	5 1	..	1,000	1,000
Total ..	306 4	13 4	320 0	66,000	7,87,000	8,46,000

(v) Statement showing mileage of, and expenditure on Public roads in Urban Areas.

[See Note (1).]

(Only roads open to vehicular traffic should be covered in this statement).

Type of road.	Mileage.			Expenditure during the year ending 31st March 1957—Rs. lakhs.		
	As on 31st March 1956.	Change since last report. Plus or minus on Col. (2).	Total as on 31st March 1957. [Cols. (2) + (3)].	New construction.	Maintenance.	Total.
	(2) M.	(3) M.	(4) M.	(5) RS. IN LAKHS.	(6) RS. IN LAKHS.	(7) RS. IN LAKHS.
1 Bituminous or tarred.	891	56	947	29.47	52.20	81.67
2 Concrete	163	14	177			
3 Water-bound macadam and pavements with bricks and stones.	860	9	869			
4 Any other types ..	756	(-) 67	689			
Total ..	2,670	12	2,682	29.47	52.20	81.67

REMARKS.—The decrease in various types of roads and total as existed on 31st March 1956 is due to transfer of Malabar and South Kanara Districts to Kerala and Mysore, respectively, consequent on Reorganization of State.

ANNEXURE 2.

Statement showing the cost of maintenance of roads since 1946-47.

Year.	Total mileage of Government and District Board Roads.	Total expenditure on Government and District Board Roads.	Cost per mile.
(1)	(2)	(3)	(4)
	MILES.	RS.	RS.
1946-47	14,955 22,076 37,034	1,75,22,582 99,96,937 2,55,19,519	609
1947-48	15,024 22,025 37,049	2,62,03,053 91,54,213 3,53,57,266	954
1948-49	15,780 22,194 37,974	3,50,15,182 1,15,83,288 4,65,98,470	1,227
1949-50	15,460 22,587 38,047	3,37,91,000 1,29,85,735 4,67,76,735	1,229
1950-51	15,560 23,411 38,971	3,87,73,748 1,33,63,439 5,21,37,187	1,338
1951-52	15,599 24,957 40,556	4,16,35,671 1,41,82,154 5,58,17,825	1,376
1952-53	15,650 25,838 41,488	4,51,29,912 1,45,39,379 5,96,69,291	1,438
<i>Residuary Madras State (excluding Andhra areas).</i>			
1953-54	8,626 17,301 25,927	2,61,25,682 83,43,187 3,44,68,869	1,326
1954-55	8,672 17,712 26,384	2,38,21,198 76,78,244 3,14,99,442	1,194
1955-56	9,141 17,540 26,681	2,67,29,550 91,04,922 3,58,34,472	968
1956-57 (i) From 1st April 1956 to 31st October 1956.	9,538 17,282 26,820	1,87,48,752 35,12,036 2,22,60,788	830
(ii) From 1st November 1956 to 31st March 1957.	8,587 15,518 24,105	63,41,373 52,15,151 1,15,56,524	470

ANNEXURE 3.

Statement showing the classified cost of maintenance of roads for the year 1956-57.

Classification.	Government roads.			District Board roads.		
	Mileage.	Maintenance expenditure.	Cost per mile.	Mileage.	Maintenance expenditure.	Cost per mile.
	(2)	(3)	(4)	(5)	(6)	(7)
(1)	MILES.	RS.	RS.	MILES.	RS.	RS.
(i) For the period from 1st April to 31st October 1956.						
National Highways ..	1,086	24,22,731	2,227	..	..	..
State Highways ..	1,669	37,95,316	2,274	..	..	..
Major District roads ..	6,664	1,23,94,926	1,860	2,589	12,99,817	502
Other District roads ..	117	1,35,779	1,160	5,115	13,28,459	260
Village roads ..	..	..	..	9,578	8,83,766	92
Total ..	9,538	1,87,48,752	1,966	17,282	35,12,036	208
(ii) For the period from 1st November 1956 to 31st March 1957.						
National Highways ..	1,087	15,88,933	1,461	..	..	..
State Highways ..	1,664	9,71,124	887	..	..	..
Major District roads ..	5,960	36,92,044	619	2,217	14,11,291	637
Other District roads ..	446	89,272	200	4,420	18,77,435	425
Village roads ..	..	..	..	8,881	19,26,425	217
Total ..	8,587	63,41,373	738	15,518	52,15,151	336

ANNEXURE 4.

Statement showing the length of roads maintained during the period from 1st April to 31st October 1956.

Serial number.	Name of circle and division.	Government roads.					District Board roads.				Works Department roads.	Municipal roads.	Grand total.
		National Highways.	State Highways.	Major District roads.	Other District roads.	Total.	Major District roads.	Other District roads.	Village roads.	Total.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<i>Madras Circle.</i>													
1	Chingleput	133	..	563	..	699	15	279	800	1,094	5	63	1,261
2	South Arcot	86	90	495	..	671	192	437	755	1,434	103	112	2,320
3	Tanjore	..	73	388	..	461	195	269	481	945	412	249	3,489
4	Nagapattinam	..	27	286	..	313	87	390	632	1,109			
5	Coleroon	..	..	..	..	..	..	..	..	..	..	..	..
6	Ponnalar Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..
7	Transport and Machinery Division	..	..	..	..	..	..	..	..	..	..	..	..
8	Designs Division	..	..	..	..	..	..	..	..	..	..	..	..
9	Highways Research Station	..	..	..	..	..	..	..	..	..	..	..	..
10	Madras City	..	..	..	..	..	..	..	..	..	2	551	553
	Total	219	190	1,735	..	2,144	489	1,425	2,668	4,582	522	975	8,228
<i>Tiruchirappalli Circle.</i>													
11	Tiruchirappalli	131	190	532	26	879	185	540	1,040	1,745	72	226	2,922
12	Madurai	110	67	525	..	702	205	154	1,100	1,459	18	286	2,465
13	Ramanathapuram	117	71	429	..	617	159	315	495	969	4	216	1,806
14	Tirunelveli	85	97	378	..	560	397	183	463	1,043	17	171	1,791
15	Sattur Special Division	..	..	..	..	..	..	..	..	..	..	..	..
16	Bodinayakanur Special Division	..	..	3	..	3	..	..	..	..	..	..	3
	Total	443	425	1,867	26	2,761	920	1,192	3,098	5,216	111	899	8,987

ANNEXURE 4—cont.

Statement showing the length of roads maintained during the period from 1st April to 31st October 1956—cont.

Serial number.	Name of circle and division.	Government roads.					District Board roads.				Public Department roads.	Municipal roads.	Grand total.
		National Highways.	State Highways.	Major District roads.	Other District roads.	Total.	Major District roads.	Other District roads.	Village roads.	Total.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<i>Coimbatore Circle.</i>													
17 North Arcot ..	..	194	74	524	5	707	84	465	530	1,079	2	181	1,964
18 Salem ..	..	80	62	255	9	406	149	354	294	797	..	160	2,727
19 Krishnagiri ..	..	122	..	325	2	449	223	336	363	925	..	..	..
20 Erode ..	..	28	59	444	7	533	223	392	960	1,577	2	264	4,011
21 Coimbatore ..	..	50	138	376	..	563	178	259	636	1,063	..	..	..
22 Ootacamund ..	..	..	108	92	21	216	..	65	238	303	..	142	661
23 Ranipet Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..
24 Kolli Hills Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..
25 Coimbatore Special ..	..	..	..	24	..	24	..	..	..	..	..	..	2
Total ..	..	384	436	2,039	44	2,903	857	1,871	3,021	5,749	4	747	9,401

West Coast Circle, Cannanore.

26 Mangalore ..	..	..	231	399	27	707	105	253	429	787	..	202	1,694
27 Kozhikode ..	..	..	192	182	20	394	175	197	113	490	14	68	2,051
28 Palghat ..	..	42	145	442	..	629	37	177	244	458	..	..	..
29 Mangalore Special (North) ..	..	..	..	..	..	..	..	..	..	..	..	..	..
30 Mangalore Special (South) ..	..	..	..	..	..	..	..	..	..	..	..	..	..
31 Kozhikode Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	42	618	1,023	47	1,730	317	627	791	1,735	14	270	3,741
Grand total ..	..	1,088	1,669	6,664	117	9,538	2,569	5,115	9,578	17,282	651	2,891	30,366

Statement showing the length of roads maintained as on 31st March 1957.

Madras Circle.

1 Chingleput ..	..	133	..	578	..	711	15	279	817	1,111	5	65	1,894
2 South Arcot ..	..	86	90	495	..	671	192	487	755+57	1,491	103	112	2,371
3 Tanjore ..	..	..	73	388	..	461	195	289	481	945	412	249	3,489
4 Nagapattinam ..	..	..	27	256	..	313	87	390	632	1,109	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnaiar Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Research Station (Highways) ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Designs Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras City ..	..	..	..	..	..	..	..	..	..	..	2	556	558
Total ..	..	219	190	1,747	..	2,156	489	1,425	2,742	4,656	522	973	8,317

ANNEXURE 4—cont.

Statement showing the length of roads maintained as on 31st March 1957—cont

Serial number.	Name of circle and division.	Government roads.					District Board roads.				Public Department roads.	Municipal roads.	Grand total.
		National Highways.	State Highways.	Major District roads.	Other District roads.	Total.	Major District roads.	Other District roads.	Village roads.	Total.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<i>Tiruchirappalli Circle.</i>													
11 Tiruchirappalli ..	..	129*	190	532	26	877	165	540	1,040+8	1,753	72	228	2,923
12 Madurai ..	..	110	67	550	..	727	180	154	1,100	1,434	18	287	2,466
13 Ramanathapuram ..	..	117	71	429+6	..	617+6	159	315	495	969	4	215	1,811
14 Tirumelveli ..	..	85	97	378	..	560	397	183	498	1,078	17	172	1,827
15 Nagercoil ..	..	41	48	321	376	781	..	..	..	..	..	72	858
16 Sattur Special Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Bodinayakanur Special ..	..	..	..	5	..	5	..	..	..	..	..	..	5
18 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	432	468	2,221	402	3,573	901	1,192	3,141	5,234	111	972	9,890

Coimbatore Circle.

19 North Arcot ..	..	104	74	524	5	707	84	465	537	1,086	2	187	1,932
20 Salem ..	..	82	62	255	9	408	149	354	294	797	..	161	2,740
21 Krishnagiri ..	..	122	..	325	2	449	226	336	363	925	..	..	..
22 Erode ..	..	28	59	392	7	486	195	324	929	1,448	2	265	3,840
23 Coimbatore ..	..	50	138	333	..	571	173	259	636	1,068	..	..	..
24 Ootacamund ..	..	..	103	92	21	216	..	65	229	304	..	142	662
25 Kolli Hills Special Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
26 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..
27 Ranipet Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	336	436	1,971	44	2,837	827	1,803	2,998	5,628	4	755	9,224
Grand total ..	..	1,087	1,094	5,939	446	8,566	2,217	4,420	8,881	15,518	637	2,700	27,431

ANNEXURE 5.

Statement showing the various types of roads under different authorities as on 31st October 1956.

Statement showing the various types of roads under different authorities as on 31-3-1934																					
Serial number and name of circle and division.	Cement concrete.					Black topped.					Metalled.					Unmetalled.					
	Highways Department	District Board	Public Works Department	Municipality.	Total.	Highways Department	District Board	Public Works Department	Municipality.	Total.	Highways Department	District Board	Public Works Department	Municipality.	Total.	Highways Department	District Board	Public Works Department	Municipality.	Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
Madras Circle.																					
1 Chingleput ..	29	..	..	2	31	484	17	..	12	513	185	364	5	38	592	..	714	102	11	725	1,861
2 South Arcot ..	21	..	..	1	22	305	3	..	18	326	335	717	1	78	1,131	..	713	102	15	841	2,320
3 Tanjore ..	..	..	..	5	14	260	22	..	28	469	203	248	2	128	875	..	875	410	88	2,180	3,488
4 Nagapattinam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Coimbatore Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Pennalar Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Research Station (High- ways).	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Design Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Madras City ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	59	..	..	28	87	1,203	47	..	441	1,749	863	1,483	10	324	2,880	19	3,051	512	124	3,706	8,222
Tiruchirappalli Circle.																					
11 Tiruchirappalli ..	22	..	..	17	39	444	3	..	83	536	387	917	2	62	1,368	26	318	70	64	978	2,921
12 Madurai ..	27	..	..	8	35	472	69	..	81	622	182	566	11	106	868	21	823	7	91	942	2,464
13 Ramanathapuram ..	16	..	..	24	40	370	31	..	16	417	231	262	..	52	1,173	..	876	4	87	1,906	1,906
14 Tirunelveli ..	14	..	..	54	69	280	38	..	11	320	266	847	..	..	..	..	157	8	54	219	1,791
15 Battur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16 Bodinasakanur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	79	..	..	103	183	1,566	147	..	191	1,905	1,066	2,592	21	309	3,988	50	2,474	89	296	2,909	8,985
Coimbatore Circle.																					
18 North Arcot ..	22	..	..	12	34	254	6	..	20	280	431	446	2	70	958	..	627	..	70	697	1,909
19 Salem ..	20	..	..	19	48	298	38	..	40	620	178	585	..	57	1,558	..	174	..	44	511	2,737
20 Krishnagiri ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21 Erode ..	..	..	..	7	59	359	7	..	97	736	273	526	..	100	1,774	..	843	..	60	1,442	4,011
22 Coimbatore ..	..	..	..	3	3	187	25	..	71	288	182	176	..	55	262	..	59	..	14	118	661
23 Ootacamund ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	103	..	..	41	144	1,568	121	..	228	1,919	1,223	3,054	2	291	4,570	8	2,572	..	188	2,768	9,401
West Coast Circle, Cannanore.																					
24 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25 Koll Hill Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26 Rampet Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	103	..	..	41	144	1,568	121	..	228	1,919	1,223	3,054	2	291	4,570	8	2,572	..	188	2,768	9,401
West Coast Circle, Cannanore.																					
27 Mangalore ..	..	..	..	..	..	286	1	..	34	321	410	394	..	31	885	11	392	..	3	406	1,562
28 Kozhikode ..	..	..	..	4	17	110	1	..	23	417	234	259	..	13	1,252	..	224	..	97	494	2,180
29 Palghat ..	..	..	..	..	..	242	..	..	..	..	378	290	..	..	..	..	167	..	..	..	..
30 Mangalore Special (North) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31 Mangalore Special (South) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
32 Kozhikode Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	13	..	..	4	17	678	2	..	57	738	1,022	943	13	109	2,087	17	738	..	100	900	3,743
Grand total ..	254	..	..	176	431	5,015	317	..	975	6,311	4,174	8,072	46	1,083	13,325	94	8,880	801	708	10,223	30,850

ANNEXURE 5—cont.

Statement showing the various types of roads under different authorities as on 31st March 1957.

Serial number and name of circle and division.	Cement concrete.						Black-top.						Metalled.						Unmetalled.					
	Highways Department.	District Board.	Public Works Department.	Municipality.	Total.	Highways Department.	District Board.	Public Works Department.	Municipality.	Total.	Highways Department.	District Board.	Public Works Department.	Municipality.	Total.	Highways Department.	District Board.	Public Works Department.	Municipality.	Total.	Grand Total.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)			
Madras Circle.																								
1 Chingleput ..	23	1	..	3	32	489	18	..	14	521	195	374	5	37	11	11	719	102	11	730	1,894			
2 South Arcot ..	21	..	..	1	23	378	5	..	19	402	202	761	1	77	1,101	..	724	102	15	852	2,378			
3 Tanjore ..	6	..	..	5	14	250	22	..	34	493	202	248	2	132	861	3	675	410	78	2,120	3,488			
4 Nagapattinam ..	8	..	..	..	..	182	5	..	..	..	123	154	..	..	..	..	..	..	..	..	..			
5 Coimbatore Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
6 Ponnaiy Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
7 Transport and Machinery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
8 Research Station ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
9 (Highways) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
10 Designs Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
11 Madras City ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	59	1	20	29	89	1,299	50	..	512	1,861	712	1,537	10	326	2,655	19	3,007	612	115	3,718	8,318			
Tiruchirappalli Circle.																								
11 Tiruchirappalli ..	22	..	..	17	39	442	9	..	58	539	387	917	2	58	1,364	26	826	70	63	985	2,927			
12 Madurai ..	33	..	..	8	41	531	76	..	86	693	183	555	11	102	791	21	823	7	91	942	2,447			
13 Ramanathapuram ..	10	..	..	25	41	388	32	..	17	437	219	264	..	88	571	..	673	4	85	762	1,811			
14 Tirunelveli ..	14	..	..	55	70	304	38	..	15	368	241	894	8	50	1,193	..	145	8	52	205	1,826			
15 Nagercoil ..	37	..	..	..	37	58	..	..	1	59	310	..	..	24	334	376	..	..	47	423	853			
16 Sattur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
17 Bodinayakanur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
18 Cauveri Bridge Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Total	122	1	1	105	228	1,723	155	..	207	2,086	1,300	2,610	21	322	4,253	428	2,467	89	388	3,322	9,899			
Coimbatore Circle.																								
19 North Arcot ..	22	..	..	14	36	386	7	..	21	384	349	448	2	84	883	..	631	..	68	699	1,982			
20 Salem ..	20	..	..	19	48	207	38	..	42	624	178	555	..	56	1,557	3	174	..	44	511	2,740			
21 Krishnagiri ..	9	..	..	..	..	268	39	..	..	..	142	56	..	..	..	..	..	..	..	..	..			
22 Erode ..	..	..	..	7	59	286	10	..	118	706	199	646	..	94	1,617	..	792	..	61	1,397	3,889			
23 Coimbatore ..	52	..	..	3	3	187	25	..	74	256	155	523	..	53	262	..	59	..	12	111	682			
24 Ootacamund ..	..	..	..	..	..	..	..	..	..	..	29	180	..	..	..	..	..	..	..	..	..			
Total	103	..	..	43	146	1,473	125	..	240	2,040	1,032	2,878	2	287	4,319	8	2,525	..	185	2,718	9,233			
Grand total	284	2	3	177	468	4,695	330	..	959	6,987	3,134	7,125	33	935	14,227	455	8,059	601	638	9,752	27,430			

ANNEXURE 6.

Statement showing the length of various classes of roads improved or newly formed during 1st April to 31st October 1956.

Serial number and name of division.	Cement concrete.				Black-top.				Metalled.				Unmetalled.							
	(2) Highways.	(3) District Board.	(4) Public Department Works.	(9) Municipal council.	(7) Highways.	(8) District Board.	(6) Public Department Works.	(10) Municipal council.	(12) Highways.	(13) District Boards.	(14) Public Department Works.	(15) Municipal council.	(16) Total.	(17) Highways.	(18) District Board.	(19) Public Department Works.	(20) Municipal council.	(21) Total.	(22) Grand total.	
(1) Madras Circle.																				
1 Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	3	..	17	..	..	..	17	21
2 South Arcot	..	..	..	..	..	..	..	..	..	..	..	1	16	..	23	..	..	..	17	21
3 Tanjore	..	..	..	..	..	..	..	..	..	..	..	4	4	..	17	..	..	..	..	22
4 Nagapattinam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnalar Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Highways Research Station	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	..	..	24	..	34	..	..	..	37	104
Tiruchirappalli Circle.																				
11 Tiruchirappalli	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
12 Madurai	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
13 Ramanathapuram	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
14 Tirunelveli	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
15 Sattri Special	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16 Rodinysanur Special	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Cauveri Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	3	..	..	..	6	..	..	..	..	5	..	..	..	..	4	..	26
Coimbatore Circle.																				
18 North Arcot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
19 Salem	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	187
20 Krishnagiri	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	26
21 Erode	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
22 Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23 Outcumbund	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24 Ranipet Special	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25 Koll Hill Special	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26 Coimbatore Special	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	12	..	..	..	1	..	..	..	..	1	..	..	..	..	..	31	309

West Coast Circle, Omsanote.									
27 Mangalore ..	..	..	55	..	..	55	..	..	64
28 Kozhikode ..	..	8	..	..	..	..	..	..	30
29 Palghat ..	..	20	..	..	..	..	..	..	..
30 Mangalore Special (North)	..	..	..	..	..	..	..	..	..
31 Mangalore Special (South)	..	..	..	..	..	..	..	..	..
32 Kozhikode Special	..	..	..	..	..	..	..	..	94
Total ..	..	..	83	..	..	83	..	..	..
Grand total ..	..	..	206	..	..	206	..	..	823

Statement showing the length of various classes of roads improved or newly formed during the year 1st November 1956 to 31st March 1957.

Serial number and name of circle and division.	Cement Concrete				Black Top				Metalled				Unmetalled									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
Madras Circle.																						
1 Chingleput ..	..	..	..	..	..	..	2	1	..	2	5	12*	12	..	..	24	..	17	..	..	17	46
2 South Arcot ..	..	..	..	..	..	1	78	2	..	1	76	..	46	..	..	49	..	57	..	..	57	153
3 Tanjore ..	..	..	..	..	..	..	15	..	..	5	25	..	..	..	..	..	..	..	..	..	..	32
4 Nagapattinam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnaiar Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Designs Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10 Madras City ..	..	..	1	..	..	1	95	3	..	12	103	15	53	..	15	85	..	74	..	4	78	272
Tiruchirappalli Circle.																						
11 Tiruchirappalli ..	..	..	..	..	..	..	..	..	..	6	6	..	..	..	..	1	1	8	..	..	8	15
12 Madurai ..	..	6	..	..	..	6	64	7	..	5	76	..	1	..	1	2	..	..	..	2	2	36
13 Ramanathapuram ..	..	..	..	..	2	3	13	1	..	2	21	6	3	..	1	10	..	..	..	..	..	33
14 Tirunelveli ..	..	..	..	..	..	..	24	..	..	3	27	..	47	..	..	47	..	35	..	..	35	109
15 Sattur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	2
16 Bodinayakanur Bridge Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Cauvery Bridge special ..	..	..	..	..	..	..	2	..	..	1	3	..	..	..	..	..	..	..	..	2	2	5
18 Nagercoil ..	..	6	..	..	2	3	106	3	..	17	133	6	21	..	3	60	2	43	..	4	49	259

Coimbatore Circle.

19 North Arcot ..	..	..	..	..	..	1	1	83	1	..	1	34	..	..	..	7	11	..	7	..	7	109
20 Salem ..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	2	..
21 Krishnagiri ..	..	..	..	..	..	..	..	..	..	..	6	38	..	..	..	..	..	..	..	..	9	49
22 Erode ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23 Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24 Ootacamund ..	..	..	..	..	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..
25 Ranipet Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26 Kollu Hills Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
27 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand total ..	..	6	1	..	..	3	10	313	14	..	41	363	15	113	..	20	160	2	132	9	143	681

ANNEXURE 7.

Statement showing the length of roads taken over from the District Boards and Municipalities during 1st April to 31st October 1956.

Serial number and name of division.	Cement and blacktop roads.			Metalled roads.			Unmetalled roads.			Total length.			Remarks.
	(2)			(3)			(4)			(5)			
	M.	F.	FT.	M.	F.	FT.	M.	F.	FT.	M.	F.	FT.	
Madras Circle.													
1 Chingleput	..	..	..	27	4	0	..	..	..	27	4	0	G.O. Ms. No. 1873, P.W., dated 18th April 1956.
2 South Arcot	0	4	0	43	1	335	0	7	0	44	4	335	Do.
3 Tanjore	..	..	..	25	1	0	..	..	..	25	1	0	Do.
4 Nagapattinam ..	0	6	0	19	6	0	..	..	..	20	4	0	Do.
5 Coleroon Bridge Division.	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnaiar Bridge Division.	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Designs Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Highways Research Station.	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Transport and Ma- chinery Division.	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	2	0	116	4	335	0	7	0	118	5	335	

Tiruchirappalli Circle.												
10	Tiruchirappalli	..	..	53	1	0	..	53	1	0	G.O. Ms. No. 1873, P.W., dated 18th April 1956.	
11	Madurai	..	..	..	..	..	..	..	..	..	Do.	
12	Ramanathapuram.	..	..	59	1	0	..	59	1	0	Do.	
13	Tirunelveli	12	6	0	57	0	0	69	6	0	Do.	
14	Sattur Special Division.	..	..	..	..	..	..	..	..	..	..	
15	Bodinayakanur Special.	..	..	..	..	..	..	..	..	..	..	
16	Cauvery Bridge Division.	..	..	..	..	..	..	..	..	..	..	
Total		..	12	6	0	169	2	0	..	182	0	0

		Coimbatore Circle.			
17	North Arcot	21	3 0	21	3 0
18	Salem	16	1 290	16	1 290
19	Krishnagiri	18	0 0	18	0 0
20	Erode	20	4 560	20	4 560
21	Coimbatore	30	1 415	30	1 415
22	Ootacamund				
23	Ranipet Special.				
24	Kolli Hills Special.				
25	Coimbatore Special.				
Total		106	2 605	106	2 605

ANNEXURE 7—cont.

Statement showing the length of roads taken over from the District Boards and Municipalities during 1st April to 31st October 1956—cont.

Serial number and name of division.	Cement concrete and blacktop roads.		Metalled roads.		Unmetalled roads.		Total length.		Remarks.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)					
M. F.	FT.	M. F.	FT.	M. F.	FT.	M. F.	FT.						
West Coast Circle, Cannanore.													
26 Mangalore	..	..	1	7	0	..	1	7	0	G.O. Ms. No. 1873, P.W., dated 18th April 1956.			
27 Kozhikode	..	..	13	6	0	6	4	200	20	2	200	..	
28 Palghat	..	..	..	..	..	..	..	..	..	..	..	..	
29 Mangalore Special (North).	..	..	..	..	..	..	..	..	..	..	..	..	
30 Mangalore Special (South).	..	..	..	..	..	..	..	..	..	..	..	..	
31 Kozhikode Special.	..	..	..	..	..	..	..	..	..	..	..	..	
Total	..	..	15	5	0	6	4	200	22	1	200		
Grand total	..	14	0	0	407	6	280	7	3	200	429	1	480

Statement showing the length of roads taken over from the District Boards and Municipalities during 1st November 1956 to 31st March 1957.

Madras Circle.				
1 Chingleput	..	..	..	..
2 South Arcot	..	..	..	..
3 Tanjore	..	..	..	..
4 Nagapattinam	..	..	..	..
5 Coleroon Bridge Division	..	..	..	..
6 Ponnjar Bridge Division	..	..	..	..
7 Designs Division	..	..	..	..
8 Highways Research Station	..	..	..	..
9 Transport and Machinery Division	..	..	..	..
Total ..	..	..	..	..
Tiruchirappalli Circle.				
10 Tiruchirappalli	..	..	..	..
11 Madurai	..	24 4 0	..	24 4 0
12 Ramanathapuram	..	..	..	..
13 Tirunelveli	..	..	..	..
14 Sattur Special Division	..	..	..	..
15 Bodinayakanur Special	..	..	..	..
16 Cauvery Bridge Division	..	..	..	..
17 Nagercoil	..	..	..	..
Total ..	..	..	..	..
Coimbatore Circle.				
18 North Arcot	..	..	..	..
19 Salem	..	..	..	..
20 Krishnagiri	..	..	..	..
21 Erode	..	..	..	..

ANNEXURE 7—cont.

Statement showing the length of roads taken over from the District Boards and Municipalities during 1st November 1956 to 31st March 1957—cont.

Serial number and name of division.	Cement and blacktop roads.		Metalled roads.		Unmetalled roads.		Total length.		Remarks.
	(1)	(2)	(3)	(4)	(5)	(6)			
	M.	F. FT.	M.	F. FT.	M.	F. FT.	M.	F. FT.	
Coimbatore circle—cont.									
22 Coimbatore ..	..	..	..	..	..	..	..	..	
23 Ootacamund ..	..	..	..	..	..	..	..	..	
24 Ranipet Special ..	..	..	..	..	..	..	..	..	
25 Kolli Hills Special ..	..	..	..	..	..	..	..	..	
26 Coimbatore Special ..	..	..	..	..	..	..	..	..	
Total ..	..	..	24	4 0	..	..	24	4 0	
Grand total ..	..	..	24	4 0	..	..	24	4 0	

ANNEXURE 8—(Deleted).

ANNEXURE 9.

Finance heads.	Final Appropriation.		Original Appropriation.		Actual expenditure	
	(2)	(3)	(4)	(5)	1st April 1956 to 31st October 1957	1st November 1956 to 31st March 1957
(1)	RS.	RS.	RS.	RS.		
50. Civil Works—State						
Works and Repairs—						
Development Schemes—						
Schemes included in the Five-Year Plan	99,44,600	—22,73,500	10,81,882	17,739		
Other Development Schemes ..	66,77,800	26,87,300	16,99,209	10,05,293		
Other Schemes ..	2,16,42,100	2,05,68,800	1,74,87,309	46,63,038		
Total, Works and Repairs	3,82,71,500	2,09,82,600	2,02,68,400	56,86,070		
Establishment—						
Schemes included in the Five-Year Plan	4,02,700	6,13,500	4,36,471	2,29,711		
Other Development Schemes ..	1,36,300	1,02,600	63,657	34,802		
Other Schemes ..	33,46,500	55,03,800	24,65,918	13,96,987		
Total, Establishment ..	43,85,500	42,89,900	29,66,046	16,61,500		
Tools and Plant—						
Schemes included in the Five-Year Plan	..	..	—1,43,191	1,43,191		
Other Development Schemes ..	8,00,000	6,70,800	..	5,48,842		
Other Schemes ..	26,99,000	18,05,400	21,46,075	17,18,542		
Total, Tools and Plant ..	34,99,000	34,76,200	20,62,884	24,10,575		
Suspense ..	13,69,100	1,29,46,900	2,02,000	—1,57,075		
Rebate on Ex-gratia payment ..	1,000	1,000	3,500	—3,500		
51. Civil Works.—						
Schemes included in the Five-Year Plan	4,05,000	98,200	40,579	1,29,257		
Other Development Schemes ..	75,41,400	33,11,000	8,38,281	23,77,958		
	79,46,400	34,09,200	8,78,860	25,06,915		
Establishment ..	..	..	—44,337	44,337		
Tools and Plant ..	20,00,900	7,92,000	5,28,061	2,50,481		
Union (Madras)—						
50. Civil Works (Union) ..	42,00,000	43,56,000	23,64,980	19,64,525		
Works and Repairs						
51. Civil Works (Union) Works ..	56,00,000	56,36,800	29,50,709	23,57,962		
	..	..	3,21,21,053	1,67,21,281		

ANNEXURE 10.
Statement showing the appropriation and the outlay during 1956-57 relating to Madras State for all heads of Civil Works (Highways only).

Service Heads.	(1)	Original work.		Repairs.		Total.	
		Actual Outlay.	Appropriation.	Actual Outlay.	Appropriation.	1st April to 31st October 1956.	1st November to 31st March 1957.
		(3)	(2)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.	RS.
50. Civil Works—State							
Development Schemes—							
(i) Schemes included in the Five Year Plan—							
Communications ..	..	17,739	..	..	..	..	..
Establishment ..	..	..	..	..	..	..	..
Tools and Plant ..	..	..	..	..	..	..	..
(ii) Other Development Schemes—							
Communications ..	..	10,05,293	..	..	..	..	..
Establishment ..	..	..	..	..	..	..	..
Tools and Plant ..	..	..	..	..	..	..	..
Total Development Schemes ..	..	..	..	..	..	..	..
Other Schemes—							
Communications ..	..	..	..	..	..	..	..
Establishment ..	..	..	..	..	..	..	..
Tools and Plant ..	..	..	..	..	..	..	..
Total Other Schemes ..	..	..	..	..	..	..	..
Rebate on Ex-gratia repayment	..	..	..	..	..	..	..
Suspense	..	..	..	..	..	..	..
Grand total	..	..	..	..	..	..	..

ANNEXURE 10—cont.

Statement showing the appropriation and the outlay during 1956-57 relating to Madras State for all heads of Civil Works (Highways only)—cont.

Service Heads	(1)	Original works.		Appropriation.	Repairs.		Total.		
		Actual Outlay.			Actual Outlay.		Total.		
		1st April to 31st October 1956.	1st November 1956 to 31st March 1957.		1st April to 31st October 1956.	1st November 1956 to 31st March 1957.	1st April to 31st October 1956.	1st November 1956 to 31st March 1957.	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	
51. Civil Works—Development Scheme—Schemes included in the Five-Year Plan—									
Communications ..		98,200	40,579	1,29,257	..	..	98,200	40,579	
Other Development Schemes—									
Communications ..		33,11,000	8,38,281	23,77,058	..	..	33,11,000	8,38,281	
Establishment ..		..	..	..	..	..	(-) 44,387	44,387	
Tools and Plant ..		..	..	..	..	..	5,28,061	2,50,481	
Total ..		..	..	..	..	..	13,62,534	28,01,183	
Union (Madras)—									
50. Civil works—Communications..		..	..	42,32,000	23,64,980	19,64,526	43,59,000	23,64,980	
81 Civil Works—Communications..		56,36,300	29,50,709*	23,57,962	..	..	56,36,300	23,57,962	
(a)		16,78,973	relates to establishment						
(b)		27,79,532	relates to recoveries on account of establishment.						
(c)		(-) 3,13,614							

ANNEXURE 11.

(i) Statement showing the division-wise particulars of expenditure on Government Roads (State and Union), during the period from 1st April to 31st October 1956.

Serial number, name of circle and division.	Expenditure on original works.										Expenditure on repairs.				Tools and plant. (New supplies and repairs carriages.)	Total.
	50. a. Communications.					50. b. Development Schemes, and 81. Capital Outlay.					Avenues.					
	National Highways.	State Highways.	Major District roads.	Other District roads.	Total.	National Highways.	State Highways.	Major District roads.	Other District roads.	Total.	Highways.	State Highways.	Major District roads.	Other District roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Madras Circle.																
1 Chingleput ..	..	..	18,236	..	25,660	..	5,75,692	..	3,28,746	..	8,85,501	..	40,196	1,40,869	19,78,428	
2 South Arcot..	..	96	20,782	..	..	..	..	..	1,99,188	3,14,456	11,21,359	4,121	20,870	89,532	17,70,190	
3 Tanjore ..	..	..	..	..	..	10,532	878	..	..	3,06,728	11,35,592	14,422	1,461	64,032	15,35,865	
4 Nagapattinam ..	..	..	863	..	..	..	..	..	..	31,806	6,62,916	..	8,374	39,395	7,33,365	
5 Coleroon Bridge Division.	..	..	..	..	..	..	3,12,097	..	..	..	..	..	..	3,062	8,15,159	
6 Ponnaiyar Bridge Division.	..	1,02,616	1,02,661	..	7,26,923	..	..	..	..	..	..	..	..	138	9,32,038	
7 Designs Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
8 Transport and Machinery.	..	..	..	..	..	..	..	..	..	..	..	..	..	12,79,998	12,79,998	
9 Research Station (Highways)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Total ..	..	1,02,713	1,06,070	..	7,52,283	10,532	8,86,692	..	5,27,929	6,62,084	37,95,368	18,543	70,901	16,16,856	85,42,840	
Tiruchirappalli Circle.																
10 Tiruchirappalli ..	..	11,921	1,07,909	..	1,70,537	9,428	13,529	..	3,42,479	4,49,403	8,09,118	26,235	35,334	1,46,201	20,98,252	
11 Madurai ..	28,573	..	3,86,870	..	2,32,597	2,414	79,608	..	2,74,113	2,12,780	8,19,169	..	2,326	1,94,064	22,27,504	
12 Ramanathapuram..	..	4,141	1,20,021	..	88,834	2,887	11,321	..	2,68,371	1,13,636	11,00,132	..	14,822	81,731	17,49,922	
13 Tirunelveli ..	..	2,121	29,888	..	21,879	..	18,298	..	2,06,958	8,10,415	7,78,922	..	10,982	57,452	14,31,668	
14 Sattur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	238	3,47,085	
15 Bodinayakanur ..	..	..	1,78,667	..	..	..	..	..	..	..	..	..	..	1,740	1,80,407	
16 Cauvery Bridge Division ..	..	..	..	..	5,543	..	..	..	..	..	..	..	..	1,720	72,835	
Total ..	8,70,375	9,901	8,22,855	..	4,68,890	8,956	1,22,751	..	10,91,921	10,86,234	35,07,341	28,235	68,264	4,88,131	80,42,051	

ANNEXURE 11—cont.

(i) Statement showing the division-wise particulars of expenditure on Government Roads (State and Union), during the period from 1st April to 31st October 1956—cont.

Serial number, name of circle and division.	Expenditure on original works.										Expenditure on repairs.				Avenues.	Tools, plant, and repairs and carriages.)	Total.	
	50. b. Communications.										50. h. Development Schemes, and St. Capital Outlay.							
	National Highways.	State Highways.	Major District roads.	Other District roads.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)				(12)	(13)	(14)	(15)	(16)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Coimbatore Circle.																		
17 North Arcot ..	..	..	5,204	..	2,09,531	..	12,531	..	1,01,443	1,36,282	8,11,439	2,978	35,426	84,853	13,89,802			
18 Salem ..	..	..	3,869	..	13,098	..	4,392	4,803	2,32,657	1,35,195	4,09,895	19,266	3,943	77,656	9,04,552			
19 Krishnagiri ..	..	..	9,523	..	51,121	..	75,151	..	2,74,137	..	5,46,173	2,619	11,216	64,691	10,30,686			
20 Erode ..	..	..	..	..	..	..	8,089	..	65,313	1,95,995	8,16,832	6,744	76,280	79,942	12,49,265			
21 Coimbatore ..	..	..	1,10,175	..	31,023	546	87,086	..	64,561	2,91,831	7,29,778	93	6,654	1,35,383	14,57,125			
22 Ootacamund ..	..	..	3,166	..	..	..	16,019	..	..	79,379	71,281	10,755	..	10,435	1,96,998			
23 Ranipet Special ..	..	..	..	..	2,24,586	..	1,19,377	..	..	..	..	..	..	2,459	2,25,262			
24 Kollu Hills Special ..	..	..	..	..	..	..	3,38,087	..	..	..	..	..	..	11,894	1,21,836			
25 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,49,981			
Total ..	..	1,09,550	21,809	..	5,30,007	546	6,56,732	4,803	7,38,116	8,38,652	83,85,243	43,475	1,33,504	4,68,029	69,35,457			
West coast Circle, Cannanore.																		
26 Mangalore ..	..	..	..	..	..	1,24,834	16,738	..	..	3,16,872	7,50,062	29,650	427	1,41,572*	13,80,155			
27 Palghat ..	..	..	..	..	..	980	5,584	..	64,765	4,17,642	5,72,764	..	28	79,017	11,29,612			
28 Kozhikode ..	..	..	..	..	..	2,53,872	48,303	..	..	4,82,932	3,84,148	12,876	1,204	60,049	12,43,984			
29 Mangalore Special (South).	..	..	..	..	..	1,92,640	2,04,689	..	..	..	..	..	..	8,836	4,06,165			
30 Mangalore Special (North).	..	..	..	..	..	76,537	1,49,107	..	..	..	..	..	..	5,703	2,31,347			
31 Kozhikode Special.	..	..	..	..	..	2,01,069	18,409	..	..	..	..	..	..	18,378	2,97,856			
Total ..	..	..	..	..	..	8,49,932	4,31,662	..	64,765	12,17,446	17,06,974	42,526	1,659	3,14,155	46,99,119			
Grand total ..	3,70,376	2,92,361	9,50,725	..	17,51,180	8,69,965	20,99,807	4,803	24,22,731	37,56,316	1,23,94,926	1,36,779	2,86,328	28,82,171	2,81,49,467			

(ii) Statement showing the division-wise particulars of expenditure on Government roads (State and Union), 1956-57, during the period from 1st November 1956 to 31st March 1957.

Serial number and name of circle and division.	Expenditure on original works.										Expenditure on repairs.						Tools and plant (New Supplies and Repairs).	Total.						
	50 b. Communication.					50 h. Development schemes and 81. Capital outlay.					High-			District					Other roads.			Avenue.		
	Nat'l Highways.	State Highways.	Major dis-trict roads.	Other dis-trict roads.	Nat'l Highways.	State Highways.	Major dis-trict roads.	Other dis-trict roads.	High-	Nat'l Highways.	State Highways.	Major roads.	Other roads.	High-	Other roads.	Avenue.			RS.	RS.	RS.	RS.	RS.	RS.
Madras Circle.																								
1 Chingleput ..	..	..	15,168	..	..	..	..	3,11,919	..	4,98,224	78,257	1,11,449	8,660	28,312	79,163	11,97,528								
2 South Arcot ..	..	..	50,905	..	..	..	..	36,607	..	1,34,890	13,257	1,39,779	10,061	10,061	83,497	5,15,297								
3 Tanjore ..	..	..	1,03,880	..	..	..	..	86,350	..	..	9,024	1,39,779	16,545	4,565	40,556	2,93,238								
4 Nagapattinam ..	..	..	..	..	..	..	..	..	..	..	24,113	2,97,111	..	7,331	34,693	4,70,628								
5 Coimbatore ..	..	..	..	..	..	..	..	1,86,449	..	..	..	..	..	..	8,694	1,95,143								
6 Pondicherry ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50	4,59,133								
7 Tranquebar ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18,13,156	18,13,156								
8 Madhavaram ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
9 Research Station (H).	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Total ..	..	71	1,08,489	..	..	2,96,798	1,53,874	6,21,825	..	6,33,114	1,21,394	8,18,925	25,205	51,169	20,59,809	49,59,113								
Tiruchirappalli Circle.																								
10 Tiruchirappalli ..	..	..	65,506	6,820	68,298	72,917	1,50,984	..	..	1,27,992	1,82,728	4,85,772	1,164	18,527	1,00,081	12,74,605								
11 Madurai ..	..	..	1,46,127	..	1,23,123	4,043	1,77,496	..	..	1,52,278	13,127	3,95,574	..	3,129	1,67,845	11,84,742								
12 Ramanathapuram ..	..	..	1,09,580	..	47,844	..	18,167	..	..	1,91,433	91,446	6,19,051	..	10,440	83,451	11,79,375								
13 Tirunelveli ..	..	..	..	..	..	..	..	..	..	1,03,654	8,290	50,618	..	6,832	98,300	8,17,638								
14 Nagercoil ..	..	..	..	..	..	..	..	..	..	23,849	15,509	97,338	..	..	3,775	4,38,644								
15 Bodinayakanur (Special)	..	..	1,69,285	..	..	..	..	..	..	..	..	..	..	..	..	1,73,060								
16 Sattur (Special)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
17 Cauvery Bridge Special.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..								
Total ..	5,13,162	1,200	8,91,191	6,820	4,45,966	76,816	5,42,831	81,180	5,99,206	8,11,169	16,48,408	46,693	38,728	4,60,361	56,63,496	..								

(ii) Statement showing the division-wise particulars of expenditure on Government roads (State and Union), 1956-57, during the period from 1st November 1956 to 31st March 1957—cont.

Serial number and name of circle and division.	Expenditure on original works.										Expenditure on repairs.					Total
	50 b. communication.					50. b. Development schemes and 81. Capital outlay.					Expenditure on repairs.					
	National Highways.	State Highways.	Major district roads.	Other district roads.	National Highways.	State Highways.	Major district roads.	Other district roads.	National Highways.	State Highways.	Major district roads.	Other district roads.	Avenue.	Tools and plant (New supplies and repairs).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Coimbatore Circle.																
18 North Arcot.	..	..	18,806	..	2,35,675	..	6,022	..	88,607	1,30,236	1,99,824	4,779	30,970	68,961	7,78,880	
19 Salem ..	..	2,072	17,746	..	..	..	82,854	..	45,625	21,266	1,04,855	5,279	2,577	53,066	2,85,319	
20 Krishnagiri ..	..	..	37,388	..	50,715	..	1,88,448	..	79,040	..	2,55,625	..	5,090	44,303	6,80,211	
21 Erode ..	..	..	..	..	..	70,603	42,142	..	68,869	92,799	76,138	1,530	45,378	44,123	4,36,582	
22 Coimbatore ..	..	55,788	..	..	5,551	..	1,63,942	..	84,472	2,00,891	4,94,610	1,500	4,245	76,197	10,87,196	
23 Ottacamund.	..	..	..	..	..	..	8,911	..	..	93,370	93,684	4,714	..	20,007	2,20,686	
24 Koli Hills (Special).	..	..	..	..	..	..	1,95,546	..	..	..	..	..	..	9,833	2,05,379	
25 Ranipet (Special).	..	..	..	..	2,83,548	..	..	..	..	..	..	..	..	..	2,83,548	
Total ..	..	57,860	73,940	..	5,25,489	70,603	6,37,865	..	8,56,613	5,88,561	12,24,716	17,404	88,260	3,16,490	39,07,801	
Grand total ..	5,13,162	59,131	11,33,620	6,620	12,68,193	3,01,293	18,02,021	81,180	15,88,933	9,71,124	36,92,044	89,272	1,79,157	28,36,860	1,45,21,410	

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2/45, 520
26, 718

(iii) Statement showing the division-wise expenditure on District Board road and non-road works, during 1st April to 31st October 1956.

Serial number, name of circle and division.	Expenditure on original works—Road works.														Total.
	50. Civil Works— b. Communications.					50. Civil Works— h. Development Schemes.					Maintenance Expenditure.				
	Major District roads. (2)	Other District roads. (3)	Village roads. (4)	Major District roads. (5)	Other District roads. (6)	Village roads. (7)	Major District roads. (8)	Other District roads. (9)	Village roads. (10)	Avenues.		Non-road works.			
										(11)	(12)				
(1)	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.		
Madras Circle.															
1 Chingleput ..	..	3,434	1,94,010	..	..	..	8,997	75,464	60,758	1,517	45,197	3,89,377	8,14,785		
2 South Arcot ..	31,426	29	12,120	22,287	26,233	97,620	1,94,215	2,39,643	2,15,254	5,908	..	..	3,99,154		
3 Tanjore ..	..	..	..	222	3,011	1,03,588	1,46,898	44,509	22,999	1,122	76,805	43,548	4,05,881		
4 Nagapattinam ..	10,613	2,575	1,14,938	26,620	31,405	25,347	66,857	50,858	28,253	4,367	..	..	..		
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..		
6 Ponnar Bridge Division ..	82,670	..	..	..	..	..	..	..	..	..	..	..	..		
7 Transport and Machinery Division.	..	..	..	..	..	..	..	..	..	..	..	..	..		
8 Research Station (High- ways).	..	..	..	..	..	..	..	..	..	..	..	..	..		
9 Design Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Total ..	1,24,709	6,038	3,21,068	49,129	60,649	2,26,555	3,86,967	4,10,474	3,27,264	12,914	1,65,550	20,91,317	..		
Tiruchirappalli Circle.															
10 Tiruchirappalli ..	..	..	20,943	..	..	26,592	34,334	1,76,566	1,11,137	11,652	29,957	4,10,181	2,87,045		
11 Madurai ..	53,662	..	42,040	..	..	32,578	48,501	38,100	48,708	1,560	26,901	1,82,474	7,14,806		
12 Ramanathapuram ..	..	25,498	21,603	880	2,293	268	38,363	40,919	81,385	7,715	10,552	1,01,472	10,169		
13 Tirunelveli ..	3,29,720	..	..	..	9,205	50,343	1,14,461	26,856	80,549	2,300	..	..	..		
14 Sattur (Special) ..	10,169	..	..	..	..	..	..	..	..	..	..	..	..		
15 Bodinayakanur (Special) ..	..	..	..	..	..	..	..	..	..	..	..	..	..		
16 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Total ..	3,93,551	25,493	87,586	880	11,498	1,09,781	2,35,659	2,76,441	2,71,774	23,127	1,68,882	16,04,877	..		

ANNEXURE II—cont.

(iii) Statement showing the division-wise expenditure on District Board road and non-road works during 1st April to 31st October 1956—cont.

Expenditure on original works—Road works.														
Serial number, name of circle and division.	50. Civil Works—b. Communications.					50. Civil Works—h. Development Scheme.					Avenues.	Non-road works.	Total.	
	Major District roads.		Village roads.	Major District roads.		Other District roads.	Village roads.	Major District roads.		Other District roads.				Village roads.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)				(12)
(1)	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.		
Coimbatore Circle.														
17 North Arcot ..	..	..	8,510	..	..	15,056	17,568	84,761	19,026	5,034	48,262	1,93,247		
18 Salem ..	..	..	..	..	..	33,725	1,15,173	1,20,831	24,180	1,725	9,686	3,05,320		
19 Krishnagiri ..	48	3,816	1,718	..	..	17,370	1,35,627	1,18,059	33,470	1,238	28,972	3,40,318		
20 Erode ..	..	..	..	77,715	73,000	1,38,442	1,33,031	1,21,612	54,698	3,031	81,094	6,76,683		
21 Coimbatore ..	..	..	..	..	22,735	32,565	72,839	91,892	84,389	..	25,085	3,29,445		
22 Ootacamund ..	3,005	..	2,797	2,755	..	552	12,848	..	20,440	..	158	42,555		
23 Koll Hills (Special)	..	..	..	..	..	..	..	..	..	..	..	..		
24 Coimbatore (Special)	..	..	..	..	..	..	..	..	..	..	..	..		
25 Ranipet (Special)	..	..	..	..	..	..	..	..	..	..	..	..		
Total ..	3,053	3,816	8,025	74,470	95,735	2,37,710	4,87,146	5,37,175	2,36,153	11,028	1,93,257	18,87,668		
West Coast Circle.														
26 Mangalore ..	..	..	..	..	..	24,916	28,532	33,432	30,848	..	29,840	1,47,568		
27 Kozhikode ..	..	..	..	50,951	14,446	53,928	1,38,214	35,888	11,148	..	21,204	3,25,779		
28 Palghat ..	..	..	..	..	..	71,612	23,293	35,949	6,579	..	59,663	1,90,196		
29 Mangalore Special (North)	..	..	..	..	..	..	..	..	..	..	..	..		
30 Mangalore Special (South)	..	..	..	..	..	..	..	..	..	..	..	..		
31 Kozhikode (Special)	..	..	..	..	..	..	..	..	..	..	..	..		
Coast Roads)	..	..	..	..	..	..	..	..	..	..	..	..		
Total ..	..	..	..	50,951	14,446	1,50,456	1,90,039	1,04,369	48,575	..	1,10,707	6,89,543		
Grand total ..	5,21,313	35,352	4,16,679	1,75,439	1,82,328	7,24,502	12,99,811	13,28,459	8,83,706	47,069	6,38,396	62,51,106		

ADMINISTRATION REPORT OF THE

(iv) Statement showing the division-wise expenditure on District Boards road and non-road works during 1st November 1956 to 31st March 1957.

Expenditure on original works—Road works.													
Serial number, name of circle and division.	50. b. Civil works—b. Communi- cations.					50. Civil works—h. Develop- ment Schemes.					Avenues.	Non-road works.	Total.
	Major District roads. (2)	Other District roads. (3)	Village roads. (4)	Major District roads. (5)	Other District roads. (6)	Village roads. (7)	Major District roads. (8)	Other District roads. (9)	Village roads. (10)				
										RS.			
<i>Madras Circle.</i>													
1 Chingleput	..	9,127	1,72,934	..	..	..	10,331	1,81,300	2,83,637	4,435	16,634	6,78,598	
2 South Arcot	..	3,436	76,979	89,086	19,538	9,37,114	85,632	1,47,758	1,54,032	12,193	..	16,06,668	
3 Tanjore	..	..	..	5,715	17,300	73,380	(—)	41,808	38,905	5	1,26,489	2,03,695	
4 Nagapattinam	..	30,652	2,12,860	9,007	32,224	22,199	1,57,506	1,89,844	1,10,010	4,344	60,848	3,74,157	
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..	..	..	..	..	
6 Ponnaiar Bridge Division ..	..	18,183	..	..	..	..	..	..	..	..	..	18,183	
7 Designs Division	..	..	..	..	..	..	..	..	..	..	..	..	
8 Transport and Machinery Division.	..	..	..	..	..	..	..	..	..	..	..	..	
9 Research Station (Highways).	..	..	..	..	..	..	..	..	..	..	..	..	
Total	1,29,695	57,228	4,92,773	1,01,808	69,062	10,37,093	2,11,861	5,57,397	5,86,328	20,977	2,03,971	34,41,291	
<i>Tiruchirappalli Circle.</i>													
10 Tiruchirappalli	..	..	34,941	..	..	99,256	86,393	2,54,885	2,30,305	8,319	81,932	7,90,628	
11 Madurai	..	55,208	98,972	..	..	2,59,064	2,76,023	1,50,736	2,72,152	616	30,506	6,25,427	
12 Ramanathapuram	..	..	33,527	27,659	55,111	19,010	1,49,712	1,59,086	1,45,717	5,009	43,270	11,54,641	
13 Tirunelveli	..	2,46,471	..	1,38,132	24,540	49,602	1,42,869	30,478	73,532	3,104	1,33,296	8,42,026	
14 Sattur Special	..	..	..	..	..	..	..	..	..	..	..	1,19,738	
15 Bodinayakanur Special ..	..	..	..	..	..	..	..	..	..	..	..	..	
16 Cauveri Bridge Special ..	..	..	..	..	..	..	..	..	..	..	..	..	
17 Nagercoil	..	..	..	..	..	..	..	..	..	..	..	..	
Total	3,01,679	1,19,738	1,65,440	1,65,791	79,651	4,27,582	6,54,994	5,95,135	7,21,706	17,048	2,89,096	35,37,860	

(iv) Statement showing the division-wise expenditure on District Boards road and non-road works during 1st November 1956 to 31st March 1957—cont.

Serial number, name of circle and division.	Expenditure on original works—Road works.										Non-road works.	Total.	
	50. b. Civil works—b. Communi- cations.			50. Civil works—h. Develop- ment Schemes.									
	Major District roads. (2)	Other District roads. (3)	Village roads. (4)	Major District roads. (5)	Other District roads. (6)	Village roads. (7)	Major District roads. (8)	Other District roads. (9)	Village roads. (10)	Avenues. (11)			
(1)	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
Coimbatore Circle.													
18 North Arcot ..	..	..	14,544	..	..	1,55,151	49,086	1,44,191	1,09,702	3,327	1,23,743	6,04,744	
19 Salem ..	26,964	..	..	1,68,345	..	..	1,32,813	1,93,879	1,17,703	1,217	98,414	7,39,135	
20 Krishnagiri ..	13	10,957	15,432	..	..	44,740	1,22,231	1,60,065	59,895	828	28,834	4,43,045	
21 Erode ..	21,476	7,640	10,345	18,894	4,706	7,500	1,39,174	1,35,497	1,09,809	1,376	65,051	5,16,468	
22 Coimbatore ..	..	..	..	..	52,270	1,45,558	1,01,082	79,901	1,98,580	1,022	76,916	6,55,307	
23 Ootacamund ..	..	2,131	12,538	..	23,388	56,993	..	11,020	22,722	..	3,794	1,32,536	
24 Kollu Hills Special ..	..	..	..	..	..	..	..	..	..	..	..	..	
25 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..	..	..	
26 Ranipet Special ..	..	..	..	..	..	..	..	..	..	..	..	..	
Total ..	48,458	20,728	52,859	1,82,239	80,304	4,09,940	5,44,436	7,24,353	6,18,391	7,770	4,01,752	30,91,285	
Grand total ..	4,79,827	1,97,692	6,81,072	4,51,888	2,29,077	18,75,165	14,11,291	18,77,435	19,26,425	45,795	8,94,819	1,00,70,436	

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(v) Statement showing the particulars of target and achievements of Second Five-Year Plan, 1956-57 (Madras State).

Serial number and name of division.	Cement concreting.			Black topping.			New Metalling.			New Formation improvements and widening.			Major Bridges.		
	Quantity. (2)	Amount. (3)	RS. IN LAKHS.	Quantity. (4)	Amount. (5)	RS. IN LAKHS.	Quantity. (6)	Amount. (7)	RS. IN LAKHS.	Quantity. (8)	Amount. (9)	RS. IN LAKHS.	Schemes. (10)	Amount. (11)	IN LAKHS.
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	1 No.	1 No.	1 No.
1 Chingleput ..	..	..	..	..	..	..	5 0	0-26	..	..	..	..	..	1-39	0-06
2 Cuddalore ..	..	..	..	..	..	..	9 4	1-92	..	..	0-12	..	..	..	..
3 Nagapattinam ..	..	..	..	3 5	2-04	0-43	0 4	0-65	..	..	0-19	..	..	..	0-07
4 Tanjore ..	..	..	..	..	..	..	4 4	..	..	..	..	..	..	..	..
5 Villupuram (Special) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Transport and Machinery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Coimbatore (Special) ..	..	..	..	5 0	0-98	1-11	9 0	..	..	..	0-15	..	..	..	5-75
8 Tiruchirappalli ..	..	..	..	..	..	..	..	..	..	..	1-37	..	..	..	0-47
9 Ramnathapuram ..	..	..	..	5 0	1-36	..	..	..	..	1 No.	0-17	..	..	..	0-30
10 Madurai ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11 Tirunelveli ..	0 4	0-38	..	..	..	1-01	..	..	..	..	..	..	..	..	..
12 Sattur (Special) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13 Nagercoil ..	..	..	..	3 1	1-22	..	..	..	..	..	..	..	..	..	..
14 Ooty ..	..	..	..	..	..	..	1 4	0-02	..	..	..	..	..	..	..
15 Vellore ..	..	..	..	4 2	1-71	..	..	..	..	..	..	..	..	..	..
16 Krishnagiri ..	..	..	..	7 0	1-23	0-68	4 4	..	..	..	0-04	..	..	..	..
17 Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18 Kollu Hills ..	..	..	..	..	..	..	6 0	0-22	..	..	3-13	..	..	..	..
19 Coimbatore ..	..	..	..	..	0-71	0-38	..	..	..	..	..	..	..	..	..
20 Erode ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total (Achievements)	0 4	2-05	28 0	28 0	9-25	6-68	40 4	6-68	5-29	1 No.	5-29	8-04	1 No.	8-04	8-04
Plan for the year 1956-57.	0 4	2-05	33 7	33 7	12-77	3-40	34 6	3-40	8-88	1 No.	8-88	7-27	2 No.	7-27	7-27

ANNEXURE II—cont.

(v) Statement showing the particulars of target and achievements of Second Five-Year Plan, 1956-57, (Madras State)—cont.

Serial number and name of division.	Government Roads—cont.				District Board Roads.			
	Minor bridges.		Financial target.		Black Topping.		New Formation.	
	Schemes. (12)	Amount. (13) RS. IN LAKHS.	Amount. (14) RS. IN LAKHS.	Total expenditure for the year. (15) RS. IN LAKHS.	Quantity. (16) M. T.	Amount. (17) RS. IN LAKHS.	Quantity. (18) M. T.	Amount. (19) RS. IN LAKHS.
1 Chingleput ..	..	0-22	1-88	1-87	..	..	..	2-36
2 Cuddalore ..	..	0-59	2-72	2-57	..	..	50 2	1-38
3 Nagapattinam ..	3 Nos.	0-03	8-52	0-91	..	0-12	..	..
4 Tanjore ..	..	..	..	..	..	..	..	0-34
5 Villupuram (Special) ..	..	..	..	..	..	..	..	..
6 Transport and Machinery ..	..	..	..	5-75	..	..	..	..
7 Coleroon (Special) ..	..	..	2-27	2-71	..	..	19 2	0-66
8 Tiruchirappalli ..	..	0-33	2-45	2-45	..	..	16 0	0-33
9 Ramanathapuram ..	..	0-73	2-57	2-56	..	..	6 1	2-83
10 Madurai ..	..	0-15	1-39	1-54	..	1-01	24 4	0-84
11 Tirunelveli ..	..	..	..	..	..	..	..	..
12 Sattur (Special) ..	..	..	0-72	1-22	..	..	..	..
13 Nagercoil ..	..	0-29	0-49	0-43	..	0-33	..	..
14 Ooty ..	..	0-15	1-87	1-86	..	..	189 4	5-16
15 Vellore ..	..	0-62	2-57	2-57	..	..	13 7	0-60
16 Krishnagiri ..	2 Nos.	0-57	6-28	0-57	..	..	40 7	0-28
17 Salem ..	..	..	..	3-13	..	..	..	..
18 Kolli Hills ..	..	..	2-37	1-14	..	..	0 1	0-18
19 Coimbatore ..	..	..	..	1-09	..	..	5 1	0-3
20 Erode ..	..	..	..	..	..	..	..	..
Total (Achievements) ..	5 Nos.	3-68	33-53	34-99	..	1-46	365 5	14-98
Plan for the year, 1956-1957.	4 Nos.	4-16	33-53	..	35 0	..	136 7	..

(v) Statement showing the particulars of target and achievements of Second Five-Year Plan, 1956-57 (Madras State)—cont.

District Board Roads—cont.													
Serial number and name of division.	New Metalling.			Major bridges.		Minor bridges.		Financial target. RS. IN LAKHS.	Total Expenditure for the year. RS. IN LAKHS.				
	Quantity. (20)	Amount. (21) RS. IN LAKHS.	Schemes. (22)	Amount. (23) RS. IN LAKHS.	Schemes. (24)	Amount. (25) RS. IN LAKHS.							
							M. T.						
1 Chingleput ..	..	..	..	..	..	..	..	..	2-35				
2 Cuddalore ..	5 2	0-83	..	..	..	..	1-27	..	3-48				
3 Nagapattinam ..	6 7	0-48	..	..	1 No.	..	0-65	..	1-25				
4 Tanjore ..	..	0-10	..	..	..	..	..	..	0-44				
5 Villupuram (Special) ..	..	..	..	..	..	..	..	..	..				
6 Transport and Machinery ..	..	..	..	..	..	..	..	..	..				
7 Coleroon (Special) ..	9 0	0-60	..	..	..	..	..	..	1-26				
8 Tiruchirappalli ..	..	0-26	..	..	..	..	..	..	0-59				
9 Ramanathapuram ..	..	..	..	..	..	..	..	..	2-83				
10 Madurai ..	5 0	1-16	..	..	2 Nos.	..	0-67	..	3-68				
11 Tirunelveli ..	..	..	..	..	..	..	..	..	..				
12 Sattur (Special) ..	..	..	..	..	..	..	..	..	..				
13 Nagercoil..	..	..	..	0-06	..	..	0-22	..	0-83				
14 Ootacamund ..	..	0-22	..	..	..	..	..	..	5-44				
15 Vellore ..	31 6	0-28	..	..	1 No.	..	..	..	0-62				
16 Krishnagiri ..	..	0-02	3 Nos.	0-55	4 Nos.	..	0-08	..	0-91				
17 Salem ..	..	..	..	..	..	..	..	..	..				
18 Kolli Hills ..	..	..	..	..	2 Nos.	..	0-06	..	0-40				
19 Coimbatore ..	5 4	0-17	..	..	..	..	0-22	..	0-25				
20 Erode ..	..	..	..	..	..	..	..	..	..				
Total ..	63 3	4-12	3 Nos.	0-61	10 Nos.	..	3-16	34-13	24-33				
Plan for the year, 1956-57 ..	109 5	..	5 Nos.	..	22 Nos.	..	..	34-13	..				

N.B.—Divisionwise and categorywise particulars of "Target" on District Board roads column (26) are not available.

ANNEXURE 12.

Statement showing the figures under "XXXIX—Civil Works—Rents and Miscellaneous, 1956-57—Highways only".

Heads of account.	Actuals.	
	1st April to 31st October 1956.	1st November to 31st March 1957.
	Rs.	Rs.
XXXIX. Civil Works—State—		
Rent	2,883	3,897
Miscellaneous—Contribution towards leave salary of officers lent to foreign services	370	2,683
Other receipts	1,59,234	3,43,597
Total	1,62,487	3,50,177

N.B.—(1) The figures include treasury transactions also.
 (2) (a) "Rents" represents recoveries of rent for occupation of Inspection Bungalows and residential buildings.
 (b) "Other receipts" includes rent for lease of land and road margins, value of stores found surplus, fines realized, lapsed deposits and all other transactions which are not appropriately classifiable under other heads.

ANNEXURE 13.

Statement of expenditure on roads classified according to categories of roads from 1st April to 31st October 1956.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Commu- nications.	50. Civil Works—h. Develop- ment schemes.			50. Civil Works—b. Commu- nications.	50. Civil Works—h. Develop- ment schemes.		
(1)	(2) RS.	(3) RS.	(4) RS.	(5) RS.	(6) RS.	(7) RS.	(8) RS.	(9) RS.
<i>Madras Circle.</i>								
1 Chingleput—								
National Highways		25,660	3,23,746	3,54,406				
State Highways								
Major District roads .. (-) 18,236	5,75,692	8,85,501	14,42,957				8,997	8,997
Other District roads					3,434		75,464	78,898
Village roads					1,94,010		60,758	2,54,768
Total	(-)-18,236	6,01,352	12,14,247	17,97,363	1,97,444		1,45,219	3,42,663
2 South Arcot—								
National Highways			1,99,183	1,99,183				
State Highways	96		3,14,456	3,14,552				
Major District roads .. 20,732		11,21,359	11,42,141	31,426	22,287	1,64,215	2,17,928	
Other District roads		4,121	4,121	29	26,233	2,39,643	2,65,905	
Village roads					12,120	97,620	2,15,254	3,24,994
Total	20,878		16,39,119	16,59,997	43,575	1,46,140	6,19,112	8,08,827
3 Tanjore—								
National Highways								
State Highways		10,532	3,06,723	3,17,255				
Major District roads	373	11,35,592	11,36,465		222	1,46,898	1,47,120	
Other District roads		14,442	14,422		3,011	44,509	47,520	
Village roads					1,03,588	22,999	1,26,587	
Total	11,405	14,56,737	14,68,142		1,06,821	2,14,406	3,21,227	
4 Nagapattinam—								
National Highways								
State Highways			31,805	31,805				
Major District roads	863	6,52,916	6,58,779	10,613	26,620	66,857	1,04,090	
Other District roads				2,575	31,405	50,858	84,838	
Village roads					1,14,938	25,347	28,253	1,68,538
Total	863	6,54,721	6,85,584	1,23,126	83,872	1,45,968	3,57,466	

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads from 1st April to 31st October 1956—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Commu- nications.	50. Civil Works—h. Develop- ment schemes.			50. Civil Works—b. Commu- nications.	50. Civil Works—h. Develop- ment schemes.		
(1)	(2) RS.	(3) RS.	(4) RS.	(5) RS.	(6) RS.	(7) RS.	(8) RS.	(9) RS.
<i>Madras Circle—cont.</i>								
5 Coleroon Bridge Division—								
National Highways								
State Highways								
Major District roads		3,12,097		3,12,097				
Other District roads								
Village roads								
Total		3,12,097		3,12,097				
6 Ponnaiar Bridge Division—								
National Highways		7,26,623		7,26,623				
State Highways	1,02,616			1,02,616				
Major District roads	1,02,661			1,02,661	82,670			82,670
Other District roads								
Village roads								
Total	2,05,277	7,26,623		9,31,900	82,670			82,670
7 Designs Division—								
National Highways								
State Highways								
Major District roads								
Other District roads								
Village roads								
Total								
8 Transport and Machinery—								
National Highways								
State Highways								
Major District roads								
Other District roads								
Village roads								
Total								
9 Research Station—								
National Highways								
State Highways								
Major District roads								
Other District roads								
Village roads								
Total								
10. Tiruchirappalli Division—								
National Highways		1,70,537	3,42,479	5,13,016				
State Highways	(-) 11,921	9,428	4,49,403	4,46,910				
Major District roads	1,07,909	13,529	8,08,118	9,29,556			34,334	34,334
Other District roads			26,235	26,235			1,75,566	1,75,566
Village Roads					20,943	26,592	11,137	58,672
Total	95,985	1,93,494	16,26,235	19,15,717	20,943	26,592	2,21,037	2,68,572

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads
from 1st April to 31st October 1956—cont.

Serial number and name of division and categories of roads.	Government.				District board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.			50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Madras Circle—cont.</i>								
11 Madurai Division—								
National Highways ..	25,573	2,32,597	2,74,113	5,30,283	..	..	..	..
State Highways ..	..	2,414	2,12,780	2,15,194	..	..	..	..
Major District Roads ..	3,88,870	79,698	3,19,169	12,35,647	58,662	..	48,501	1,02,163
Other District roads ..	..	..	..	..	..	..	33,100	33,100
Village roads ..	..	..	..	..	42,040	35,578	43,703	1,26,321
Total ..	4,10,443	3,14,619	13,06,062	20,31,124	95,702	35,578	1,30,304	2,61,584
12 Ramanathapuram—								
National Highways ..	..	38534	2,68,371	3,07,205	..	..	..	..
State Highways ..	4,141	—2,837	1,13,636	1,14,890	..	..	..	..
Major District roads ..	1,39,021	11,321	11,00,132	12,31,474	..	880	33,363	39,243
Other District roads ..	..	..	..	..	25,498	2,293	40,919	68,710
Village roads ..	..	..	..	..	24,603	268	31,385	56,256
Total ..	124,162	47,268	14,82,139	16,53,569	50,101	3,441	1,10,667	1,64,209
13 Tirunelveli—								
National Highways ..	..	21,379	2,06,958	2,28,337	..	..	..	..
State Highways ..	—2,121	..	3,10,415	3,08,294	..	..	1,14,461	4,44,181
Major District roads ..	29,333	18,293	7,78,922	8,26,508	3,29,720	9,205	26,856	36,061
Other District roads ..	..	..	..	..	..	50,343	80,549	1,30,892
Village roads ..	..	..	..	..	..	..	..	..
Total ..	27,267	39,672	12,96,295	13,63,234	3,39,720	59,548	2,21,866	6,11,134
14 Sattur Special Division—								
National Highways ..	3,46,802	..	..	3,46,802	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	..	..	..	10,169	..	..	10,169
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	3,46,802	..	..	3,46,802	10,169	..	..	10,169
15 Bodinayakanur Special—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	1,78,667	..	..	1,78,667	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	1,78,667	..	..	1,78,667	..	..	..	..
16 Cauvery Bridge Division—								
National Highways ..	..	5,543	..	5,543	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	..	..	..	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	5,543	..	5,543	..	..	..	..

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads
from 1st April to 31st October 1956—cont.

Serial number and name of division and categories of roads.	Government.				District board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.			50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Coimbatore Circle.</i>								
17 North Arcot—								
National Highways ..	..	2,09,531	1,01,448	3,11,029	..	..	..	..
State Highways ..	..	..	1,36,252	1,36,252	..	..	..	..
Major District roads ..	5,294	12,531	8,11,439	8,29,264	..	..	17,568	17,568
Other District roads ..	..	..	2,978	2,978	..	..	34,791	34,791
Village Roads ..	..	..	..	..	3,510	15,056	19,026	37,592
Total ..	5,294	2,22,112	10,52,117	12,79,523	3,510	15,056	1,21,385	1,39,951
18 Salem—								
National Highways ..	..	13,696	2,32,657	2,46,353	..	..	..	..
State Highways ..	(—) 625	..	1,35,195	1,34,570	..	..	..	..
Major District roads ..	3,869	4,392	4,09,695	4,17,956	..	..	1,15,173	1,15,173
Other District roads ..	..	4,303	19,266	24,069	..	..	1,20,831	1,20,831
Village roads ..	..	..	..	..	..	33,725	24,180	57,905
Total ..	3,244	22,891	7,96,818	8,22,948	..	33,725	2,60,184	2,93,909
19 Krishnagiri—								
National Highways ..	..	51,121	2,74,137	3,25,258	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	9,528	71,151	5,46,173	6,26,852	48	..	1,35,627	1,35,675
Other District roads ..	..	..	2,619	2,619	3,816	..	1,18,059	1,21,875
Village Roads ..	..	..	..	..	1,718	17,370	33,470	52,558
Total ..	9,528	1,22,272	8,22,929	9,54,729	5,582	17,370	2,87,156	3,10,108
20 Erode—								
National Highways ..	..	..	65,313	65,313	..	..	..	..
State Highways ..	..	..	1,95,995	1,95,995	..	..	..	..
Major District roads ..	..	8,089	8,16,832	8,24,971	..	71,715	1,33,091	2,04,806
Other District roads ..	..	..	6,744	6,744	..	78,000	1,21,612	1,94,612
Village roads ..	..	..	..	..	..	1,38,442	54,698	1,93,140
Total ..	..	8,089	10,84,934	10,93,023	..	2,88,157	3,09,401	5,92,558
21 Coimbatore—								
National Highways ..	..	31,023	64,561	95,584	..	..	..	..
State Highways ..	1,10,175	546	2,91,831	4,02,552	..	..	..	..
Major District roads ..	..	87,086	7,29,773	8,16,859	..	..	72,839	72,869
Other District roads ..	..	..	93	93	..	22,735	91,882	1,14,61
Village roads ..	..	..	..	..	..	32,565	84,339	1,16,904
Total ..	1,10,175	1,18,655	10,86,258	13,15,088	..	55,300	2,49,060	3,04,360
22 Ootacamund—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	79,379	79,379	..	..	..	..
Major District roads ..	3,109	16,019	71,281	90,409	3,005	2,755	12,843	18,608
Other District roads ..	..	..	16,775	16,775	..	..	..	..
Village roads ..	..	..	..	..	..	2,797	20,440	23,789
Total ..	3,109	16,019	1,67,435	1,86,563	5,802	3,307	33,283	42,397

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads
from 1st April to 31st October 1956—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.			50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<i>Coimbatore Circle—cont.</i>								
23 Ranipet, Special Division—								
National Highways ..	..	2,24,586	..	2,24,586	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	..	..	..	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	2,24,586	..	2,24,586	..	..	..	..
24 Kolli Hills, Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	1,19,337	..	1,19,377	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	1,19,377	..	1,19,377	..	..	..	..
25 Coimbatore Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	3,38,087	..	3,38,087	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	3,38,087	..	3,38,087	..	..	..	..
<i>West Coast Circle, Cannanore.</i>								
26 Mangalore—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	1,24,834	3,16,872	4,41,706	..	..	..	..
Major District roads ..	..	16,788	7,50,062	7,66,850	..	..	28,532	28,532
Other District roads ..	..	..	29,350	29,350	..	..	33,432	33,432
Village roads ..	..	..	..	..	..	24,916	80,848	55,764
Total ..	..	1,41,572	10,96,584	12,38,156	..	24,916	92,812	1,17,728
27 Palghat—								
National Highways ..	..	..	64,765	64,765	..	..	..	..
State Highways ..	..	980	4,17,642	4,18,622	..	..	..	..
Major District roads ..	..	(—) 5,584	5,72,764	5,67,180	..	..	23,293	23,293
Other District roads ..	..	..	..	..	..	..	35,049	35,049
Village roads ..	..	..	..	..	..	71,612	6,579	78,191
Total ..	..	(—) 4,604	10,55,171	10,50,567	..	71,612	64,921	1,36,533
28 Kozhikode—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	2,53,372	4,32,332	7,36,804	..	..	..	..
Major District roads ..	..	43,303	3,84,143	4,32,451	..	50,951	1,33,214	1,89,165
Other District roads ..	..	..	12,376	12,376	..	14,446	35,338	50,334
Village roads ..	..	..	..	..	..	53,923	11,143	65,076
Total ..	..	3,02,175	8,79,956	11,82,181	..	1,19,325	1,86,250	3,04,575

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads
from 1st April to 31st October 1956—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.			50. Civil Works—b. Communi- cations.	50. Civil Works—h. Deve- lopment schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>West Coast Circle, Cannanore—cont.</i>								
29 Mangalore Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	1,92,640	..	1,92,640	..	..	..	..
Major District roads ..	..	2,04,689	..	2,04,689	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	3,97,329	..	3,97,329	..	..	..	..
30 Mangalore Special Division (North)—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	76,537	..	76,537	..	..	..	..
Major District roads ..	..	1,49,107	..	1,49,107	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	2,25,644	..	2,25,644	..	..	..	..
31 Kozhikode Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	2,01,069	..	2,01,069	..	..	..	..
Major District roads ..	..	18,409	..	18,409	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	2,19,478	..	2,19,478	..	..	..	..

Statement of expenditure on roads classified according to categories of roads
from 1st November 1956 to 31st March 1957.

Madras Circle.

1 Chingleput—								
National Highways ..	..	(—) 5,834	4,98,224	4,92,390	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	15,158	3,11,919	2,70,586	5,97,663	..	..	10,581	10,531
Other District roads ..	..	..	..	..	9,127	..	1,81,300	1,90,427
Village roads ..	..	..	..	..	1,72,934	..	2,83,63	4,56,571
Total ..	15,158	3,06,085	7,68,810	10,90,053	1,82,061	..	4,75,468	6,57,529
2 South Arcot—								
National Highways ..	..	..	1,34,390	1,34,390	..	..	..	..
State Highways ..	..	71..	78,257	78,328	..	..	..	..
Major District roads ..	50,905	36,607	1,11,449	1,98,961	80,860	89,086	85,632	2,55,57
Other District roads ..	..	..	8,660	8,660	3,436	19,533	1,47,788	1,70,762
Village roads ..	..	..	..	..	76,979	9,37,114	1,54,032	11,63,125
Total ..	50,976	36,607	3,38,256	4,20,839	1,61,275	10,45,738	8,87,462	15,94,495

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads from 1st November 1956 to 31st March 1957—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communications.	50. Civil Works—h. Development schemes.			50. Civil Works—b. Communications.	50. Civil Works—h. Development schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Madras Circle—cont.</i>								
3 Tanjore—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	(—) 3,591	9,024	5,433	..	..	..	..
Major District roads ..	..	86,850	1,39,779	2,26,129	..	5,715 (—) 41,808 (—)	36,098	..
Other District roads ..	..	..	16,545	16,545	..	17,300	38,965	56,265
Village roads ..	..	..	..	..	..	78,880	38,649	1,17,029
Total ..	..	82,769	1,65,848	2,48,107	..	1,01,395	36,806	1,37,201
4 Nagapattinam—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	84,118	84,118	..	..	..	..
Major District roads ..	1,03,380	..	2,97,111	4,00,491	80,652	9,007	1,57,506	1,97,165
Other District roads ..	..	..	..	..	44,663	32,224	1,89,844	2,66,731
Village roads ..	..	..	..	..	2,12,860	22,199	1,10,010	3,45,069
Total ..	1,03,380	..	3,31,224	4,34,604	2,88,175	63,480	4,57,360	8,08,965
5 Colerpon Bridge Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	1,86,449	..	1,86,449	..	..	..	..
Major District roads ..	..	..	..	..	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	1,86,449	..	1,86,449	..	..	..	..
6 Ponnar Bridge Division—								
National Highways ..	..	3,02,572	..	3,02,572	..	..	..	..
State Highways ..	..	1,57,465	..	1,57,465	..	..	..	..
Major District roads .. (—) 954	..	..	..	(—) 954	18,183	..	..	18,183
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total .. (—) 954	..	4,60,037	..	4,59,083	18,183	..	..	18,183
7 Designs Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	..	..	..	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..
8 Transport and Machinery Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District roads ..	..	..	..	..	..	..	..	..
Other District roads ..	..	..	..	..	..	..	..	..
Village roads ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads from 1st November 1956 to 31st March 1957—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communications.	50. Civil Works—h. Development Schemes.			50. Civil Works—b. Communications.	50. Civil Works—h. Development schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Madras Circle—cont.</i>								
Research Station—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	..	..	..	..	..	..	..	..
Other District Roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>								
10 Negercoil Division—								
National Highways ..	..	..	23,849	23,849	..	..	..	..
State Highways ..	..	..	15,569	15,569	..	..	..	..
Major District Roads ..	..	1,75,159	97,388	2,72,547	..	..	..	..
Other District Roads ..	..	81,180	45,499	1,26,679	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	2,56,339	1,82,305	4,38,644	..	..	..	..
11 Tiruchirappalli—								
National Highways ..	..	68,298	1,27,992	1,96,290	..	..	..	..
State Highways .. (—) 5,984	..	72,917	1,82,728	2,49,661	..	..	..	..
Major District Roads ..	65,506	1,50,984	4,85,772	7,02,262	..	..	86,390	86,390
Other District Roads ..	6,620	..	1,164	7,784	..	..	2,54,885	2,54,885
Village Roads ..	..	..	..	..	34,941	99,256	2,30,305	3,64,502
Total ..	66,142	2,92,199	7,97,656	11,55,997	34,941	99,256	5,71,580	7,05,777
12 Madurai—								
National Highways ..	..	1,23,123	1,52,278	2,75,401	..	..	..	..
State Highways ..	..	4,043	13,127	7,21,197	..	..	..	..
Major District Roads ..	1,48,127	1,77,496	3,95,574	17,170	55,208	..	2,76,023	8,31,231
Other District Roads ..	..	..	..	..	..	..	1,50,736	1,50,736
Village Roads ..	..	..	..	..	96,972	2,59,664	2,72,152	6,28,788
Total ..	1,48,127	3,04,662	5,60,979	12,12,768	1,52,180	2,59,664	6,98,911	11,10,755
13 Ramanathapuram—								
National Highways ..	..	47,844	1,91,433	2,39,277	..	..	..	..
State Highways ..	8,107	(—) 144	91,448	99,409	..	..	..	..
Major District Roads ..	1,09,580	18,167	6,19,051	7,46,798	..	27,659	1,49,712	1,77,371
Other District Roads ..	..	..	..	..	..	55,111	1,59,086	2,14,197
Village Roads ..	..	..	..	..	33,527	19,010	1,46,717	1,98,254
Total ..	1,17,687	65,867	9,01,930	10,85,484	33,527	1,01,780	4,54,515	5,89,822
14 Tirunelveli—								
National Highways ..	..	1,31,250	1,03,654	2,34,904	..	..	..	..
State Highways .. (—) 923	..	..	8,299	7,876	..	..	..	..
Major District Roads ..	3,98,693	21,025	50,618	4,70,336	2,46,471	1,86,132	1,42,869	5,27,472
Other District Roads ..	..	..	..	..	..	24,540	30,478	55,018
Village Roads ..	..	..	..	..	..	49,602	73,532	1,23,134
Total ..	39,770	1,52,275	1,62,571	7,12,616	2,46,471	2,12,274	2,46,879	7,05,624

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads from 1st November 1956 to 31st March 1957—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communications.	50. Civil Works—h. Development Schemes.			50. Civil Work—b. Communications.	50. Civil Works—h. Development schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Tiruchirappalli Circle—cont.</i>								
15 Sattur Special Division—								
National Highways ..	5,13,162	..	..	5,13,162	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	..	..	..	..	..	..	..	..
Other District Roads ..	..	..	..	..	1,19,738	..	..	1,19,738
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	5,13,162	..	..	5,13,162	1,19,738	..	..	1,19,738
16 Bodinayakanur Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	1,69,285	..	..	1,69,285	..	..	..	..
Other District Roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	1,69,285	..	..	1,69,285	..	..	..	..
17 Cauvery Bridge Division—								
National Highways ..	..	75,451	..	75,451	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	..	..	..	..	..	..	..	..
Other District Roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	75,451	..	75,451	..	..	..	..
<i>Coimbatore Circle.</i>								
18 North Arcot—								
National Highways ..	..	2,35,675	83,607	3,19,282	..	..	..	..
State Highways ..	..	..	1,30,236	1,30,236	..	..	..	..
Major District Roads ..	18,806	6,022	1,99,824	2,24,652	..	..	..	..
Other District Roads ..	..	..	4,779	4,779	..	..	49,086	49,086
Village Roads ..	..	..	..	..	14,544	1,55,151	1,44,191	1,44,191
Total ..	18,806	2,41,697	4,18,446	6,78,949	14,544	1,55,151	1,03,702	2,79,397
19 Salem—								
National Highways ..	..	..	45,625	45,625	..	..	..	..
State Highways ..	2,072	..	21,265	23,337	..	..	..	..
Major District Roads ..	17,746	32,854	1,04,835	1,55,435	26,964	1,68,345	1,32,813	3,28,122
Other District Roads ..	..	..	5,279	5,279	..	..	1,93,679	1,93,679
Village Roads ..	..	..	..	..	..	..	1,17,703	1,17,703
Total ..	19,818	32,854	1,77,004	2,29,676	26,964	1,68,345	4,44,195	6,39,524
20 Krishnagiri Division—								
National Highways ..	..	50,715	79,040	1,29,755	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	37,388	1,88,448	2,55,625	4,81,461	13	..	1,22,281	1,22,294
Other District Roads ..	..	..	(-) 398	(-) 398	10,957	..	1,60,065	1,71,022
Village Roads ..	..	..	..	..	15,432	44,740	59,895	1,20,067
Total ..	37,388	2,39,163	3,34,267	6,10,818	26,402	44,740	3,42,241	4,13,383

ANNEXURE 13—cont.

Statement of expenditure on roads classified according to categories of roads from 1st November 1956 to 31st March 1957—cont.

Serial number and name of division and categories of roads.	Government.				District Board.			
	Capital works.		Repairs.	Total.	Capital works.		Repairs.	Total.
	50. Civil Works—b. Communications.	50. Civil Works—h. Development Schemes.			50. Civil Works—b. Communications.	50. Civil Works—h. Development Schemes.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
<i>Coimbatore Circle—cont.</i>								
21 Erode—								
National Highways ..	..	..	63,869	63,869	..	..	..	..
State Highways ..	..	..	70,603	92,799	1,63,402	..	..	..
Major District Roads ..	..	..	42,142	76,188	1,18,280	21,476	13,894	1,39,174
Other District Roads ..	..	..	..	1,530	1,530	7,640	4,708	1,35,497
Village Roads ..	..	..	..	..	10,345	7,500	1,09,909	1,27,654
Total ..	..	1,12,745	2,34,336	3,47,081	39,461	26,100	3,84,480	4,50,041
22 Coimbatore—								
National Highways ..	..	5,551	84,472	90,023	..	..	..	..
State Highways ..	55,788	..	2,00,891	2,56,679	..	..	..	..
Major District Roads ..	..	1,63,942	4,94,610	6,58,552	..	..	1,01,082	1,01,082
Other District Roads ..	..	..	1,500	1,500	..	52,270	79,901	1,32,171
Village Roads ..	..	..	..	..	..	1,45,556	1,98,560	3,44,116
Total ..	55,788	1,69,493	7,81,473	10,06,754	..	1,97,826	3,79,543	5,77,369
23 Ootacamund—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	93,370	93,370	..	..	..	..
Major District Roads ..	..	8,911	93,684	1,02,595	..	..	..	..
Other District Roads ..	..	..	4,714	4,714	2,131	23,388	11,020	36,539
Village Roads ..	..	..	..	..	12,538	56,993	22,722	92,253
Total ..	..	8,911	1,91,768	2,00,679	14,669	80,381	33,742	1,28,792
24 Ranipet Special Division—								
National Highways ..	..	2,33,548	..	2,33,548	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	..	..	..	..	..	..	..	..
Other District Roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	2,33,548	..	2,33,548	..	..	..	..
25 Kolli Hills Special Division—								
National Highways ..	..	..	..	..	..	..	..	..
State Highways ..	..	..	..	..	..	..	..	..
Major District Roads ..	..	1,95,546	..	1,95,546	..	..	..	..
Other District Roads ..	..	..	..	..	..	..	..	..
Village Roads ..	..	..	..	..	..	..	..	..
Total ..	..	1,95,546	..	1,95,546	..	..	..	..

ANNEXURE 14.

Financial statement of all disbursements from 1st April to 31st October 1956.

Serial number, name of circle and division.	Total works expenditure—Government and District Boards.		Tools and Plant Expenditure (New Supplies and Repairs).		Pay and Travelling allowance of establishment.		Percentage of charges to works expending including Tools and Plant.		Contingencies.		Total.
	(2)	RS.	(3)	RS.	(4)	RS.	(5)	RS.	(6)	RS.	
	(1)				Engineering.	Ministerial.	Travelling allowance.		Benks.	Other items.	
Madras Circle.											
1 Chingleput ..	..	..	..	..	87,238	37,940	34,198	7-75	3,459	20,853	25,51,493
2 South Arcot ..	..	..	1,40,869	..	83,719	34,480	29,020	6-22	11,249	2,501	27,45,903
3 Tanjore ..	..	..	89,332	..	54,062	14,685	14,795	5-01	267	13,108	20,29,726
4 Nagapattinam ..	..	..	64,062	..	56,715	29,435	16,131	11-45	1,343	26,797	12,69,155
5 Coleroon Bridge Division ..	..	..	39,395	..	16,512	5,701	1,751	8-07	..	1,481	3,40,604
6 Ponnar Bridge Division ..	..	..	3,062	..	24,733	8,693	4,609	4-12	862	2,919	10,56,524
7 Transport and Machinery Division ..	..	..	138	..	..	..	..	..	..	..	..
8 Designa Division ..	..	..	12,79,998	..	31,505	19,944	747	..	369	4,985	13,37,548
9 Research Station (Highways) ..	..	..	..	..	12,083	12,793	117	..	235	465	26,693
10 Circle Office ..	..	..	..	..	11,418	3,407	744	..	..	455	16,024
	..	..	..	..	19,869	20,434	5,478	..	6,630	1,242	53,653
Total ..	90,17,301	..	16,16,856	..	3,97,844	1,87,512	1,07,590	6-93	24,414	74,806	1,14,28,323
Tiruchirappalli Circle.											
11 Tiruchirappalli ..	..	..	1,46,201	..	43,313	29,153	33,261	4-51	1,006	6,429	26,21,595
12 Madurai ..	..	..	23,62,232	..	39,703	31,625	25,608	4-33	8,764	3,218	26,23,527
13 Ramanathapuram ..	..	..	1,94,054	..	57,602	32,745	41,031	7-69	4,763	12,651	20,81,190
14 Tirunelveli ..	..	..	81,731	..	46,820	27,821	50,511	6-52	3,423	11,444	22,86,493
15 Bodinayakanur ..	..	..	57,452	..	8,110	3,031	4,205	9-12	497	627	1,96,877
16 Sattur Special ..	..	..	1,740	..	7,947	1,995	4,217	4-27	217	890	3,72,470
17 Cuvery Bridge Division ..	..	..	233	..	..	..	..	..	..	..	7,263
18 Circle Office ..	..	..	5,643	..	15,071	19,376	14,732	..	..	3,438	52,617
Total ..	91,63,597	..	4,83,131	..	2,18,626	1,45,746	1,73,565	5-27	18,670	38,697	1,02,42,032
Coimbatore Circle.											
19 North Arcot ..	..	..	84,853	..	34,592	26,488	16,568	5-53	3,956	6,585	16,91,238
20 Salem ..	..	..	77,656	..	33,782	22,555	16,455	6-38	2,100	2,454	12,87,188
21 Krishnagiri ..	..	..	64,691	..	23,189	19,261	26,895	5-18	1,487	4,175	14,45,961
22 Erode ..	..	..	79,982	..	36,317	41,828	14,431	8-06	2,259	8,821	20,29,604
23 Coimbatore ..	..	..	1,35,383	..	33,299	21,563	34,535	5-21	3,183	5,783	18,84,933
24 Ottacamund ..	..	..	10,435	..	18,366	18,833	7,778	16-15	161	1,003	2,85,694
25 Kollu Hills Special ..	..	..	2,459	..	8,655	4,596	6,184	17-34	555	1,239	1,43,065
26 Ranipet Special ..	..	..	676	..	15,266	7,157	173	10-38	45	746	2,48,649
27 Coimbatore Special ..	..	..	11,894	..	7,537	7,480	6,994	6-82	..	1,877	3,73,869
28 Circle Office ..	..	..	..	..	10,198	16,876	13,630	..	974	3,613	45,131
Total ..	83,54,966	..	4,68,029	..	2,21,201	1,86,637	1,43,543	6-82	14,720	36,296	94,25,392
West Coast Circle, Cannanore.											
29 Mangalore ..	..	..	..	..	52,608	38,131	19,010	7-88	3,392	7,275	16,48,139
30 Kozhikode ..	..	..	60,649	..	36,565	19,281	17,899	5-31	3,325	6,423	16,53,256
31 Palghat ..	..	..	79,017	..	24,037	20,053	12,033	4-88	2,584	6,104	13,90,619
32 Mangalore Special (North) ..	..	..	5,703	..	16,059	4,907	3,133	11-84	..	3,298	2,58,744
33 Mangalore Special (South) ..	..	..	8,836	..	21,977	8,048	9,461	10-72	1,233	2,830	4,49,714
34 Kozhikode Special ..	..	..	18,378	..	14,827	13,282	5,485	15-31	880	1,949	2,74,279
35 Circle Office ..	..	..	..	..	10,729	13,388	6,603	..	1,050	4,575	36,345
Total ..	51,26,079	..	1,72,583	..	1,76,802	1,17,090	73,624	7-59	12,464	32,454	57,11,096
36 Office of the Chief Engineer (Highways).	..	..	..	..	38,733	1,12,805	64,508	..	..	17,684	2,33,730
Grand total ..	3,16,61,943	..	27,40,599	..	10,53,206	7,49,790	5,62,830	7-66	70,268	1,99,937	3,70,40,573

Financial statement of all disbursements from 1st November 1956 to 31st March 1957.

Serial number, name of circle and division.	Total works expenditure—Government and District Boards.		Tools and Plant Expenditure (New Supplies and Repairs).		Pay and Travelling allowance of establishment.		Contingencies.			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Madras Circle.										
3 Chingleput	17,96,963	79,163	37,259	20,923	40,381	5.39	(—)1,042	3,642	..	19,77,289
3 South Arcot	20,38,458	83,497	27,912	22,344	38,730	4.59	5,254	3,222	..	22,19,417
3 Tanjore	5,16,367	40,556	19,016	30,880	26,470	14.77	7,192	(—)1,216	..	6,39,265
4 Nagapattinam	13,10,092	34,693	18,669	14,602	20,986	3.80	4,008	(—)12,016	..	13,97,034
5 Coleroon Bridge Division ..	1,86,449	8,694	6,602	2,685	4,042	7.33	660	275	..	2,09,407
6 Ponnar Bridge Division ..	4,77,266	50	8,294	4,310	7,810	4.07	628	1,511	..	4,99,867
7 Transport and Machinery Division.	..	18,13,156	13,467	7,021	9,532	..	10,897	2,527	..	18,56,600
8 Designs Division	..	..	3,140	5,706	4,348	..	..	472	..	13,666
9 Research Station (Highways) ..	..	..	8,395	2,910	5,197	..	..	407	..	17,909
10 Circle Office	..	..	..	4,510	9,312	..	1,539	(—)1,631	..	22,700
Total	63,25,505	20,59,809	1,48,264	1,20,693	1,72,466	5.59	29,124	(—)12,807	..	88,53,154

Tiruchirappalli Circle.

11 Tiruchirappalli	19,70,552	1,00,081	22,993	14,398	19,985	3.24	4,185	5,736	..	21,37,930
12 Madurai	16,42,324	1,67,845	43,436	13,779	44,560	6.45	9,835	4,826	..	19,26,605
13 Ramnathapuram	22,50,565	83,451	24,460	13,055	37,227	3.73	5,435	6,968	..	24,21,161
14 Thirunelveli	15,61,274	98,390	16,721	16,023	35,120	5.20	1,968	6,559	..	17,46,055
15 Bodinayakanur	1,69,285	3,775	5,313	1,320	2,892	5.78	297	391	..	1,83,273
16 Sattur Special	6,32,900	4,935	7,363	1,868	3,899	2.19	200	736	..	6,51,901

17 Cauveri Bridge Division ..	75,451	1,884	10,110	3,422	5,904	30.77	588	3,670	..	1,01,029
18 Nagercoil	4,38,644	..	..	..	..	..	..	..	..	4,38,644
19 Circle Office	..	..	5,593	10,042	8,992	..	..	1,769	..	26,396
Total	87,40,995	4,60,361	1,45,989	73,907	1,58,579	4.68	22,508	30,655	..	96,32,994

Coimbatore Circle.

20 North Arcot	13,14,663	68,961	16,673	14,148	10,721	3.17	2,247	258	..	14,27,671
21 Salem	9,71,388	53,066	17,411	11,708	10,664	4.19	1,500	1,701	..	10,67,436
22 Krishnagiri	10,58,953	44,303	12,562	51,204	10,167	7.12	1,552	3,162	..	11,81,923
23 Erode	9,08,927	44,123	14,252	20,744	9,082	5.21	2,479	3,172	..	10,02,779
24 Coimbatore	16,66,306	76,197	58,231	43,273	65,101	10.49	6,805	9,797	..	19,35,710
25 Ootacamund	3,33,265	20,007	10,140	9,770	4,285	7.79	1,271	2,042	..	3,80,780
26 Koli Hills Special	1,95,546	9,833	4,281	2,472	4,896	6.19	320	694	..	2,18,042
27 Ranipet Special	2,33,548	..	6,637	4,206	1,090	5.00	..	705	..	2,46,276
28 Coimbatore Special	..	..	..	..	374	..	..	254	..	628
29 Circle Office	..	..	..	8,670	8,222	..	..	3,785	..	25,694
Total	66,83,596	3,16,400	1,45,204	1,66,283	1,24,602	6.83	16,174	25,590	..	74,76,939

30 Office of the Chief Engineer (Highways)

Grand total	2,17,49,186	28,36,660	4,59,883	4,16,658	4,93,850	6.13	67,816	69,218	..	2,60,93,271
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ANNEXURE 15.

Statement showing the works approved by Government under Post-War Road Development Programme during and to end of the year 1956-57 (1st April to 31st October 1956).

Serial number, name of circle and division.	Government roads.				District Board roads.			
	During 1st April to 31st October 1956.		To end of 31st October 1956.		During 1st April to 31st October 1956.		To end of 31st October 1956.	
	Number.	Cost.	Number.	Cost.	Number.	Cost.	Number.	Cost.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		RS.		RS.		RS.		RS.
<i>Madras Circle.</i>								
1 Chingleput	..	..	33	64,51,400	45	5,84,500	122	19,84,450
2 South Arcot	..	..	53	48,09,701	1	1,46,144	205	42,61,409
3 Tanjore	2	4,14,270	22	44,95,452	7	1,50,800	110	24,74,570
4 Nagapattinam	..	..	..	..	3	1,04,300	..	..
5 Coleroon Bridge Division ..	..	..	5	35,45,750	..	..	..	..
6 Ponnaiar Bridge Division ..	..	..	1	33,32,000	..	..	..	..
7 Designs Division	..	..	..	..	..	..	..	..
8 Transport and Machinery Division ..	..	..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..	..	..
Total ..	2	4,14,270	114	2,36,34,303	56	9,85,744	483	87,20,429
<i>Tiruchirappalli Circle.</i>								
10 Tiruchirappalli	7	6,14,500	71	61,01,785	19	2,53,200	221	19,60,100
11 Madurai	9	13,60,000	96	43,73,300	..	..	143	27,08,440
12 Ramanathapuram	..	..	97	32,45,400	..	..	106	21,11,750
13 Tirunelveli	..	..	20	14,91,900	21	10,31,400	110	36,69,400
14 Sattur Special Division	..	..	..	..	..	..	..	..
15 Bodinayakanur Special	..	..	1	10,00,000	..	..	..	..
16 Cauvery Bridge Division ..	1	71,227	1	71,227	..	..	..	..
Total ..	17	20,45,727	286	1,62,83,612	40	12,84,600	580	1,04,49,690
<i>Coimbatore Circle.</i>								
17 North Arcot	5	7,60,000	44	81,63,375	99	2,83,804	239	19,02,894
18 Salem	7	50,75,300	74	129,94,310	22	2,98,900	192	22,25,480
19 Krishnagiri	12	5,26,000	..	..	..	4,05,410	..	..
20 Erode	6	2,52,000	161	51,13,215	39	..	222	24,68,925
21 Coimbatore	..	..	..	..	..	..	..	..
22 Ootacamund	3	2,63,250	22	30,76,810	13	1,35,000	42	5,88,150
23 Ranipet Special	..	..	1	19,75,000	..	..	..	..
24 Kolli Hills Special	..	..	1	26,35,000	..	..	..	..
25 Coimbatore Special	..	..	1	12,92,700	..	..	..	..
Total ..	33	68,76,550	244	3,52,50,910	173	11,23,114	695	71,85,449
<i>West Coast Circle, Cannanore.</i>								
26 Mangalore	..	..	32	1,01,01,195	..	..	47	9,22,670
27 Kozhikode	5	2,75,000	50	50,33,170	..	..	69	18,20,571
28 Palghat	..	..	..	..	..	..	..	..
29 Mangalore Special (North) ..	..	..	..	..	..	..	..	..
30 Mangalore Special (South) ..	..	..	..	..	..	..	..	..
31 Kozhikode Special	..	..	..	..	..	..	..	..
Total ..	5	2,75,000	132	1,51,34,365	..	..	116	27,43,241
Grand total ..	57	96,12,047	776	8,98,03,190	269	38,93,458	1,874	2,90,93,809

ANNEXURE 15—cont.

Statement showing the works approved by Government under Post-war Road Development Programme during and to end of the year 1956-57 (1st November 1956 to 31st March 1957).

Serial number, name of circle and division.	Government roads.				District Board Roads.			
	During 1st November 1956 to 31st March 1957.		To end of 31st March 1957.		During 1st November 1956 to 31st March 1957.		To end of 31st March 1957.	
	Number.	Cost.	Number.	Cost.	Number.	Cost.	Number.	Cost.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		RS.		RS.		RS.		RS.
<i>Madras Circle.</i>								
1 Chingleput	..	..	33	64,51,400	..	..	167	19,84,450
2 South Arcot	..	..	53	48,09,701	..	..	206	42,61,409
3 Tanjore	..	..	22	44,95,452	..	..	116	29,23,370
4 Nagapattinam	..	..	..	..	6	4,48,800	..	..
5 Coleroon Bridge Division ..	..	..	5	35,45,750	..	..	..	..
6 Ponnaiar Bridge Division ..	..	..	1	33,32,000	..	..	..	..
7 Designs Division	..	..	..	..	..	..	..	..
8 Transport and Machinery Division ..	..	..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..	..	..
Total ..	..	..	114	2,26,34,303	6	4,48,800	469	91,89,239
<i>Tiruchirappalli Circle.</i>								
10 Tiruchirappalli	..	..	71	61,01,785	88	12,21,150	309	31,81,250
11 Madurai	..	..	96	43,73,300	..	..	143	27,08,440
12 Ramanathapuram	5	9,95,800	102	42,41,200	10	7,18,100	116	28,29,850
13 Tirunelveli	..	..	20	14,91,900	21	4,29,500	141	40,98,900
14 Sattur Special Division	..	..	..	..	..	..	..	..
15 Bodinayakanur Special	..	..	1	10,00,000	..	..	..	..
16 Cauvery Bridge Special ..	..	..	1	71,227	..	..	..	..
17 Nagarcot	..	..	..	..	..	..	..	..
Total ..	5	9,95,800	291	1,72,79,412	129	23,68,750	709	1,28,18,440
<i>Coimbatore Circle.</i>								
18 North Arcot	3	8,91,000	47	90,54,875	..	..	239	19,02,894
19 Salem	..	..	74	1,29,94,310	..	..	192	22,25,480
20 Krishnagiri	..	..	..	..	..	..	..	..
21 Erode	..	..	101	51,13,215	31	4,41,400	251	29,10,325
22 Coimbatore	..	..	..	..	..	..	..	..
23 Ootacamund	..	..	22	30,76,810	8	81,000	50	6,69,150
24 Ranipet Special	..	..	1	19,75,000	..	..	..	..
25 Kolli Hills Special	..	..	1	26,35,000	..	..	..	..
26 Coimbatore Special	..	..	1	12,92,700	..	..	..	..
Total ..	3	8,91,000	247	3,61,41,910	39	5,22,400	784	77,07,849
Grand total ..	8	18,86,800	652	7,60,55,625	174	33,39,950	1,932	2,96,95,518

(1) Statement showing the technical sanctions to estimates during the period from 1st April to 31st October 1956 for Government Works.

Serial number, name of circle and division.	Original works.			Repairs.			Tools and plant, new supplies and repairs.			Avenues.		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
												Number of works for which estimates were sanctioned.
			RS.		RS.		RS.		RS.		RS.	
Madras Circle.												
1 Chingleput ..	2	29,000	129	15,70,120	39	2,15,778	15	17,400	183	18,32,893		
2 South Arcot ..	..	..	32	8,51,435	2	6,200	..	..	34	8,57,635		
3 Tanjore ..	1	4,130	45	3,77,357	50	1,84,250	12	11,000	108	5,76,787		
4 Nagapattinam ..	3	4,96,000	93	3,75,806	30	1,31,480	35	27,875	161	10,30,955		
5 Coleroon Bridge Division ..	..	..	4	8,300	11	5,525	..	..	15	13,825		
6 Ponnar Bridge Division ..	2	58,700	..	..	2	110	..	..	4	58,810		
7 Transport and Machinery Division ..	..	..	..	..	38	87,895	..	..	38	87,895		
8 Designs Division ..	..	..	..	..	..	..	..	..	..	..		
9 Highways Research Station ..	25	18,41,450	..	..	3	18,080	..	..	28	18,59,500		
10 Circle Office ..	83	24,29,280	303	26,83,012	175	6,49,238	60	56,075	571	58,17,650		
Total ..												
Tiruchirappalli Circle.												
11 Tiruchirappalli ..	8	11,04,500	512	23,22,800	49	3,07,012	81	50,480	650	37,84,802		
12 Madurai ..	10	1,21,700	257	25,49,200	88	5,48,800	7	7,250	362	32,26,750		
13 Ramanathapuram ..	22	1,29,350	126	11,06,193	42	2,16,450	38	32,400	228	14,84,393		
14 Tirunelveli ..	1	22,000	46	4,94,340	..	..	34	13,500	71	5,29,840		
15 Salem ..	..	..	9	2,750	8	2,200	..	..	12	4,950		
16 Bodinayakanur ..	..	..	1	..	1	2,400	..	..	1	2,400		
17 Circle Office ..	20	15,89,700	..	..	..	..	..	..	20	15,89,700		
Total ..	61	29,67,250	950	64,75,238	183	10,76,862	150	1,03,840	1,344	1,06,22,885		
Coimbatore Circle.												
18 North Arcot ..	8	23,850	63	8,98,515	53	1,95,000	8	12,650	127	6,25,015		
19 Salem ..	6	78,700	61	3,43,835	37	1,47,000	7	8,950	101	5,78,435		
20 Krishnagiri ..	8	1,01,800	56	5,30,360	45	36,550	3	7,400	112	6,75,470		
21 Erode ..	..	..	29	4,23,330	120	1,42,734	51	1,56,000	200	7,22,064		
22 Coimbatore ..	..	..	172	3,92,000	..	..	..	..	172	3,92,000		
23 Ootacamund ..	1	14,750	11	44,490	13	61,609	..	..	25	1,20,849		
24 Ranipet Special ..	..	..	..	..	10	3,045	..	..	10	3,045		
25 Koli Hills Special ..	1	22,229	..	..	3	6,700	..	..	4	28,929		
26 Coimbatore Special ..	..	..	..	..	..	..	..	..	..	..		
27 Circle Office ..	12	8,82,700	..	..	3	4,083	..	..	15	8,86,733		
Total ..	31	11,24,089	382	21,27,530	234	5,95,971	69	1,85,000	766	40,32,590		

Wes Coast Circle, Cannanore.			Wes Coast Circle, Cannanore.			Wes Coast Circle, Cannanore.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Number of works for which estimates were sanctioned.	Cost.	Number.	Cost.	Number.	Cost.	Number.	Cost.
		RS.		RS.		RS.		RS.
28 Mangalore ..	2	10,450	38	13,23,857	74	2,48,026	1	1,000
29 Kozhikode ..	7	..	53	5,35,232	35	1,67,540	1	500
30 Palghat ..	..	71,100	..	..	..	..	..	..
31 Kozhikode Special ..	28	70,800	..	..	9	49,390	..	..
32 Mangalore Special (North) ..	..	..	..	..	1	500	..	..
33 Mangalore Special (South) ..	..	..	..	..	..	..	..	..
34 Circle Office ..	2	96,800	..	..	..	..	..	..
Total ..	34	2,59,450	91	18,59,089	123	4,75,000	2	1,500
Grand total ..	159	67,80,089	1,726	1,31,44,914	765	27,97,006	231	3,48,215

(ii) Statement showing the technical sanction to estimates for District Board works accorded by the Superintending Engineers and Divisional Engineers (Highways) during the period from 1st April to 31st October 1956.

Serial number and name of circle and division.	Original works.			Repairs.		Tools and plant, new supplies and repairs.		Avenues.		Non-road works.		Total.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
			RS.		RS.		RS.		RS.		RS.		RS.
1 Chingleput.	..	69	6,07,676	150	6,14,661	1	28	1	1,500	105	2,37,990	326	14,61,754
2 South Arcot	..	..	..	276	12,61,998	..	..	..	380	..	..	276	12,62,823
3 Tanjore	..	20	4,81,870	414	5,41,079	..	..	..	8,450	62	2,42,630	501	12,19,029
4 Nagapattinam	..	61	10,99,320	181	1,81,020	2	700	..	9,970	96	97,365	362	13,58,375
5 Coleroon Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnar Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Highways Research Station	..	..	..	..	..	..	..	..	..	..	..	..	..
10 Circle Office	..	4	2,22,000	..	..	..	..	..	..	..	..	4	2,22,000
Total	..	154	23,80,866	1,020	25,98,653	3	728	29	15,250	263	5,77,965	1,489	55,93,482
11 Tiruchirappalli	..	..	..	434	12,51,520	2	9,000	42	25,000	..	..	528	12,85,530
12 Madurai	..	18	1,13,300	22	1,82,900	1	860	..	..	47	1,19,400	83	4,16,550
13 Ramanathapuram	..	6	43,900	196	31,81,616	10	39,000	..	1,000	1	460	215	32,65,986
14 Tirunelveli	..	9	31,740	168	33,99,944	71	2,18,140	22	18,850	..	..	285	36,08,680
15 Sattur	..	..	..	..	..	..	..	..	..	..	..	..	..
16 Rode	..	..	..	..	..	..	..	..	..	..	..	..	..
17 Circle Office	..	2	91,400	..	..	..	..	..	..	2	1,22,300	4	2,13,700
Total	..	30	2,80,346	865	79,55,980	84	2,67,100	66	44,850	50	2,42,160	1,092	87,90,436
18 North Arcot	..	..	..	210	13,59,410	..	..	..	..	154	1,96,054	364	15,55,375
19 Salem	..	..	..	96	37,365	..	..	..	..	..	..	96	37,365
20 Kramnagiri	..	5	1,00,100	12	1,23,450	1	10,000	5	4,670	82	33,110	100	2,66,724
21 Erode	..	14	2,10,000	170	6,84,910	..	..	..	..	..	..	189	7,99,580
22 Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..
23 Ootacamund	..	..	..	87	42,557	..	..	..	..	..	..	87	42,557
24 Ranipet Special	..	..	..	..	..	..	..	..	..	..	..	..	..
25 Kollu Hills Special	..	..	..	..	..	..	..	..	..	..	..	..	..
26 Coimbatore Special	..	..	..	..	..	..	..	..	..	..	..	..	..
27 Circle Office	..	..	..	..	..	..	..	..	..	1	50,000	1	50,000
Total	..	19	3,10,100	575	21,97,692	1	10,000	5	4,670	237	2,79,244	337	29,01,766

West Coast Circle.

28 Mangalore	..	37	65,375	141	3,38,210	..	..	..	..	..	..	173	4,08,585
29 Kozhikode	..	..	..	174	4,36,452	..	..	..	..	..	..	174	4,36,452
30 Palghat	..	..	..	..	..	..	..	..	..	..	..	..	..
31 Kozhikode Special	..	..	..	..	..	..	..	..	..	..	..	..	..
32 Mangalore Special	..	..	..	..	..	..	..	..	..	..	..	..	..
33 Mangalore (B) Special	..	..	..	..	..	..	..	..	..	..	..	..	..
34 Circle office	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	37	65,375	315	7,78,662	..	..	..	..	..	..	352	8,39,037
Grand total	..	240	29,86,687	2,775	1,35,25,987	88	2,77,828	100	64,770	550	10,99,389	2,753	1,79,54,601

NOTE.—Particulars pertaining to Palghat Division are not available.

ANNEXURE 16—cont.

(iii) Statement showing the technical sanction to estimates for Municipal and Panchayat works accorded by the Divisional Engineers (Highways) and Superintending Engineers (Highways) during the period from 1st April to 31st October 1956.

Serial number, name of circle and division.	Municipal works.		Panchayat works.	
	Number of works.	Total Cost.	Number of works.	Total cost.
	(2)	(3) RS.	(4)	(5) RS.
Madras Circle.				
1 Chingleput	1	19,000	..	..
2 South Arcot	..	..	..	..
3 Tanjore	..	..	..	..
4 Nagapattinam	3	29,400	..	..
5 Coleroon Bridge Division	..	..	..	..
6 Ponnar Bridge Division	..	..	..	..
7 Transport and Machinery Division	..	..	..	..
8 Designs Division	..	..	..	..
9 Highways Research Station	..	..	..	..
10 Circle Office	..	..	..	..
Total	4	48,400	..	..
Tiruchirappalli Circle.				
11 Tiruchirappalli	..	..	..	..
12 Madurai	3	36,300	..	..
13 Ramanathapuram	..	..	..	..
14 Tirunelveli	2	80,400	1	5,300
15 Sattur	..	..	..	..
16 Bodinayakanur	..	..	..	..
17 Circle Office	2	92,100	..	..
Total	7	2,08,800	1	5,300
Coimbatore Circle.				
18 North Arcot	20	1,30,870	1	6,800/
19 Salem	..	..	4	2,790
20 Krishnagiri	..	..	13	2,07,100 *
21 Erode	1	10,000	15	1,26,945 *
22 Coimbatore	..	..	..	..
23 Ootacamund	..	..	6	24,500 *
24 Ranipet	..	..	..	..
25 Kolli Hills special	..	..	..	..
26 Coimbatore special	..	..	..	..
27 Circle Office	..	..	1	31,600
Total	21	1,40,870	40	3,99,735
West Coast Circle.				
28 Mangalore	4	29,700	..	..
29 Kozhikode	25	4,08,520	..	..
30 Palghat	..	..	..	..
31 Kozhikode special	..	..	..	..
32 Mangalore special	..	..	..	..
33 Mangalore (B) special	..	..	..	..
34 Circle Office	..	..	..	..
Total	29	4,38,220	..	..
Grand total	61	8,36,090	41	4,05,085

* Local Development and National Extension Service Works.

ANNEXURE 17.

(i) Statement showing the technical sanctions to estimates during the period from 1st November 1956 to 31st March 1957 for Government works.

Serial number, name of circle and division.	Original works.		Repairs.		Tools and plant new supplies and repairs.		Avenues.		Total.	
	Number of works for which estimates were sanctioned.	Cost.	Number.	Cost.	Number.	Cost.	Number.	Cost.	Number.	Cost.
	(2)	(3) RS.	(4)	(5) RS.	(6)	(7) RS.	(8)	(9) RS.	(10)	(11) RS.
Madras Circle.										
1 Chingleput	3	46,200	101	25,70,351	48	2,13,854	57	77,160	299	28,07,565
2 South Arcot	..	..	137	18,34,880	21	99,550	25	26,760	188	19,51,100
3 Tanjore	3	31,000	111	19,35,139	5	18,500	2	1,200	121	19,86,889
4 Nagapattinam	..	..	99	13,41,100	3	2,700	..	..	102	13,44,800
5 Coleroon Bridge Division	..	..	..	..	1	5,100	..	..	1	5,100
6 Ponnar Bridge Division	2	6,200	..	..	3	430	..	..	5	6,680
7 Transport and Machinery Division	1	6,500	..	..	22	72,190	..	..	23	78,690
8 Designs Division	..	..	..	..	..	..	..	..	..	..
9 Highways Research Station	..	..	..	..	..	..	..	..	..	..
10 Circle Office	4	76,158	6	64,280	9	30,253	..	..	19	1,70,691
Total	13	1,66,058	544	77,35,750	112	4,43,577	84	1,05,120	753	94,50,505
Tiruchirappalli Circle.										
11 Tiruchirappalli	..	..	221	30,16,240	30	53,173	26	20,630	277	30,90,043
12 Madurai	..	..	..	..	..	..	..	..	..	..
13 Ramanathapuram	6	43,900	105	31,81,616	10	39,010	2	1,000	214	32,65,526
14 Tirunelveli	1	7,500	131	25,94,110	63	32,800	31	16,550	226	26,50,960
15 Sattur Special	..	..	3	1,650	..	..	..	..	3	1,650
16 Bodinayakanur	1	2,000	..	..	1	3,650	..	..	2	5,650
17 Cauvery Bridge Division	..	..	..	..	5	2,400	..	..	5	2,400
18 Nagercoil	1	7,280	1	1,10,000	..	..	..	..	2	1,17,280
19 Circle Office	6	3,02,000	..	..	..	..	..	..	6	3,02,000
Total	15	3,62,680	558	89,03,616	109	1,81,033	59	38,180	795	94,35,509

(ii) *Statement showing the technical sanctions to estimates during the period from 1st November 1956 to 31st March 1957 for Government works—cont.*

Serial number, name of circle and division.	Original works.			Repairs.		Tools and plant new supplies and repairs.			Avenues.		Total.		
	Number of works for which estimate were sanctioned.	Cost. RS.	(2)	Number.	(est.)	(4)	(5)	(6)	(7)	Number.	Cost.	Number.	Cost.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	RS.		
Coimbatore Circle.													
20 North Arcot	..	..	198	22,56,850	29	24,040	9	51,950	236	23,32,640			
21 Salem	..	..	162	1,17,900	14	71,886	2	630	180	14,07,227			
22 Krishnagiri	..	..	191	21,42,180	14	8,350	2	12,780	212	21,79,160			
23 Erode	..	..	97	18,21,095	34	74,080	42	1,11,250	177	16,82,925			
24 Coimbatore	..	..	281	15,90,000	82	2,84,300	10	45,700	373	19,20,300			
25 Ootacamund	..	..	60	5,34,320	2	7,900	..	..	64	5,46,920			
26 Ranipet Special	..	..	..	..	1	15	..	..	1	15			
27 K. G. Hills Special	..	..	..	..	7	34,200	..	..	8	46,019			
28 Coimbatore Special	..	..	..	..	..	..	..	..	..	..			
29 Circle Office	..	..	..	..	3	4,339	..	..	9	8,80,439			
Total	19	6,08,219	989	90,58,006	175	5,06,810	77	2,22,310	1,290	1,03,95,345			
Grand total	47	11,86,957	2,085	2,56,97,872	396	10,81,420	220	3,66,610	2,748	2,82,81,359			

(ii) Statement showing the technical sanction to estimates for District Board works approved by the Superintending Engineers and Divisional Engineers (Highways) during the period from 1st November 1956 to 31st March 1957.

Serial number, name of circle and division.	Original works.			Repairs.		Tools and Plant new supplies and repairs.		Avenues.		Non-Road works.		Total.	
	(1)	(2) Number of work which est- imates were sanctioned.	(3) Cost. RS.	(4) Number.	(5) Cost RS.	(6) Number.	(7) Cost. RS.	(8) Number.	(9) Cost. RS.	(10) Number.	(11) Cost. RS.	(12) Number.	(13) Cost. RS.
1 Chingleput	..	46	3,99,000	426	7,18,666	..	..	7	9,600	83	12,42,222	562	28,49,488
2 South Arcot	..	..	..	425	10,98,256	..	..	1	400	426	..	426	10,98,008
3 Tanjore	..	33	64,03,375	33	1,03,775	..	..	1	8,760	46	1,18,555	113	66,26,108
4 Nagapattinam	..	..	..	171	6,51,365	..	..	13	..	..	..	184	6,55,115
5 Coleroon Bridge	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponnar Bridge	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Design Divisions	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Highways Research Station	..	..	..	..	..	..	..	..	..	..	..	..	..
0 Circle Office	..	15	4,74,000	..	..	..	..	..	..	..	..	15	8,74,000
Total	..	94	78,76,875	1,055	25,72,082	..	..	22	14,500	129	13,60,777	1,300	1,16,28,714

	19	4,12,200	..	..	2	10,000	..	..	2	1,24,000	23	5,46,200
1 Tiruchirappalli	..	..	..	..	..	..	..	..	..	..	..	..
2 Madurai	..	..	..	..	..	..	..	..	..	..	..	..
3 Ramanathapuram	..	..	..	..	..	..	..	..	..	..	..	..
4 Tirunelveli	..	..	..	..	..	..	..	..	..	..	..	..
5 Sattur Special	..	..	..	..	..	..	..	..	..	..	..	..
6 Bodinayakanur	..	..	..	..	..	..	..	..	..	..	..	..
7 Cauvery Bridge Division	..	..	..	..	..	..	..	..	..	..	..	..
8 Nagercoil	..	..	..	..	..	..	..	..	..	..	..	..
9 Circle Office	..	..	..	..	..	..	..	..	..	..	..	..
Total	47	9,80,350	256	16,63,633	44	2,26,450	38	32,400	88	1,93,005	468	30,96,739

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	19	4,12,200	..	..	2	10,000	..	..	2	1,24,000	23	5,46,200
10 North Arcot	..	..	..	..	..	..	..	..	..	..	..	..
11 Salem	..	..	..	..	..	..	..	..	..	..	..	..
12 Krishnagiri	..	..	..	..	..	..	..	..	..	..	..	..
13 Erode	..	..	..	..	..	..	..	..	..	..	..	..
14 Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..
15 Ootacamund	..	..	..	..	..	..	..	..	..	..	..	..
16 Ranipet Special	..	..	..	..	..	..	..	..	..	..	..	..
17 Kollai Hills Special	..	..	..	..	..	..	..	..	..	..	..	..
18 Coimbatore Special	..	..	..	..	..	..	..	..	..	..	..	..
19 Circle Office	..	..	..	..	..	..	..	..	..	..	..	..
Total	64	8,96,250	1,363	37,87,948	1	750	2	2,560	145	1,85,950	1575	48,73,398
Grand Total	205	95,52,975	2,674	80,23,648	45	2,27,200	62	49,400	357	17,49,632	3,343	1,95,93,850

ANNEXURE 17—cont.

(iii) Statement showing the technical sanction to estimates for Municipal and Panchayat works accorded by the Divisional Engineers and Superintending Engineers (Highways), during the period from 1st November 1956 to 31st March 1957.

Serial number, name of circle and division.	Municipal works.		Panchayat works.	
	Number.	Total cost.	Number.	Total cost.
(1)	(2)	(3) RS.	(4)	(5) RS.
1 Chingleput	..	..	..	..
2 South Arcot	2	29,200	..	..
3 Tanjore	..	..	..	..
4 Nagapattinam	1	13,000	..	..
5 Coleroon Bridge Division	..	..	..	..
6 Ponnar Bridge Division	..	..	..	..
7 Transport and Machinery Division	..	..	..	..
8 Designs Division	..	..	..	..
9 Highways Research Station	..	..	..	..
10 Circle Office	..	..	..	..
Total ..	3	42,200	..	..
11 Tiruchirappalli	..	..	..	..
12 Madurai	..	..	..	..
13 Ramanathapuram	7	43,483	..	..
14 Tirunelveli	12	94,650	..	..
15 Bodinayakanur	..	..	..	..
16 Sattur Special	..	..	..	..
17 Cauveri Bridge Division, Tiruchirappalli	..	..	..	..
18 Nagercoil	..	..	1	2,620
19 Circle Office	3	87,400	..	..
Total ..	22	2,25,533	1	2,620
20 North Arcot	..	..	..	..
21 Salem	..	..	7	55,170 ⁴
22 Krishnagiri	..	..	2 } 4* }	11,500 *54,061
23 Erode	7	31,365	2	38,000
24 Coimbatore	4	46,400	1	3,100
25 Ootacamund	..	..	34	1,44,999 ⁴
26 Ranipet Special	..	..	..	..
27 Kolli Hills Special	..	..	..	..
28 Circle Office	5	2,44,800	..	..
Total ..	16	3,22,565	50	3,06,834
Grand total ..	41	5,90,298	51	3,09,454

* Relates to sanction accorded for Local Development, Community Project and National Extension Service Works.

ANNEXURE 17—cont.

(iv) Statement showing the number of tender cases approved by the Superintending Engineers and Divisional Engineers (Highways) as on 31st October 1956.

Serial number, name of circle and division.	Government works.			District Board works.			Municipal works.		Grand Total.
	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).	Number sent up to Chief Engineer (Highways).	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).	Number sent up to Chief Engineer (Highways).	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Madras Circle.</i>									
1 Chingleput	77	6	..	59	2	1	..	..	145
2 South Arcot	27	1	..	77	3	..	..	..	108
3 Tanjore	101	2	..	122	..	..	..	..	225
4 Nagapattinam	39	..	..	17	..	..	..	..	56
5 Coleroon Bridge Division	1	..	..	..	..	..	..	..	1
6 Ponnar Bridge Division	2	..	..	..	..	..	..	..	2
7 Transport and Machinery Division	..	..	..	..	..	..	..	..	..
8 Highways Research Station	..	..	..	..	..	..	..	..	..
Total ..	247	9	..	275	5	1	..	..	537
<i>Tiruchirappalli Circle.</i>									
9 Tiruchirappalli	113	9	..	114	4	..	..	..	240
10 Madurai	64	8	..	27	2	..	..	..	101
11 Ramanathapuram	15	8	..	27	..	..	..	..	50
12 Tirunelveli	13	6	..	193	32	..	..	..	244
13 Sattur	1	..	..	..	1	..	..	..	2
14 Bodinayakanur	..	..	..	..	..	..	..	..	..
15 Cauveri Bridge Division	2	..	3	..	..	..	..	..	5
Total ..	208	31	3	361	39	..	..	..	642
<i>Coimbatore Circle.</i>									
16 North Arcot	131	2	..	127	..	..	..	..	260
17 Salem	23	..	..	26	1	..	..	..	50
18 Krishnagiri	14	3	1	28	7	..	..	..	53
19 Erode	3	..	..	6	..	..	..	..	9
20 Coimbatore	172	..	..	106	..	..	..	..	278
21 Ootacamund	5	23	..	1	1	..	..	..	30
22 Ranipet Special	..	..	..	..	..	..	..	..	..
23 Kolli Hills Special	..	..	..	..	..	..	..	..	..
24 Coimbatore Special	..	2	..	..	..	..	..	..	..
Total ..	348	30	1	294	9	..	..	..	682
<i>West Coast Circle, Cannanore.</i>									
25 Mangalore	7	13	1	93	1	..	..	..	115
26 Kozhikode	12	3	..	16	..	..	..	..	31
27 Palghat	..	..	..	..	..	..	..	..	..
28 Kozhikode Special	19	1	..	..	..	..	..	..	20
29 Mangalore Special (South).	1	..	..	..	..	..	..	..	1
30 Mangalore Special (North Division).	..	2	..	..	..	..	..	..	2
Total ..	39	19	1	109	1	..	..	..	169
Grand total ..	842	89	5	1,039	54	1	..	..	2,039

NOTE.—The particulars relating to Palghat Division are not available.

ANNEXURE 17—cont.

(iv) Statement showing the number of tender cases approved by the Superintending Engineers and Divisional Engineers (Highways) as on 31st March 1957.

Serial number, name of circle and division.	Government works.			District Board works.			Municipal works.			Grand Total.
	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).	Number sent up to Chief Engineer (Highways).	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).	Number sent up to Chief Engineer (Highways).	Number approved by the Divisional Engineer (Highways).	Number approved by the Superintending Engineer (Highways).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Madras Circle.										
1 Chingleput	112	19	..	74	8	..	..	..	213	
2 South Arcot	102	4	..	177	1	..	..	..	284	
3 Tanjore	12	1	..	3	..	..	..	..	16	
4 Nagapattinam	43	14	..	125	14	..	..	..	196	
5 Coleroon Bridge Division	..	..	..	..	..	..	..	..	..	
6 Ponnalar Bridge Division	2	..	..	..	..	..	..	..	2	
7 Transport and Machinery Division	..	..	..	..	..	..	..	..	..	
8 Highways Research Station	..	..	..	..	..	..	..	..	..	
Total ..	271	38	..	379	23	..	..	..	711	
Tiruchirappalli Circle.										
9 Tiruchirappalli	374	14	..	552	17	..	..	..	957	
10 Madurai	124	19	..	168	8	..	..	..	319	
11 Ramanathapuram	130	19	..	141	7	..	..	..	297	
12 Tirunelveli	105	10	..	193	..	1	..	..	309	
13 Sattur	..	..	..	..	..	..	..	..	..	
14 Bodinayakanur	..	..	..	..	..	..	..	..	..	
15 Cauveri Bridge Division	..	2	..	..	..	..	..	..	2	
16 Nagercoil	4	..	..	..	..	..	..	..	4	
Total ..	737	64	..	1,054	32	1	..	..	1,888	
Coimbatore Circle.										
17 North Arcot	110	..	..	194	4	..	..	..	308	
18 Salem	84	..	..	239	..	..	..	..	323	
19 Krishnagiri	123	2	1	152	..	..	..	..	278	
20 Erode	46	4	..	147	1	..	..	..	198	
21 Coimbatore	281	1	..	283	..	..	..	..	565	
22 Ootacamund	6	27	..	21	1	1	..	..	56	
23 Ranipet Special	..	..	..	..	..	..	..	..	..	
24 Kolli Hills Special	..	..	..	..	..	..	..	..	..	
25 Coimbatore Special	..	..	..	..	..	..	..	..	..	
Total ..	650	34	1	1,036	6	1	..	..	1,728	
Grand Total ..	1,658	136	1	2,469	61	2	..	..	4,327	

ANNEXURE 18.

(i) Statement showing the number of agreements accepted by the Superintending Engineers and Divisional Engineers during 1st April to 31st October 1956 for Government works.

Serial number, name of circle and division.	Accepted by the Divisional Engineer (Highways.)		Accepted by the Superintending Engineer (Highways.)		Total.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.		RS.		RS.
Madras Circle.						
1 Chingleput	139	10,36,585	1	63,192	140	10,99,777
2 South Arcot	150	15,64,177	..	..	150	15,64,177
3 Tanjore	101	22,49,514	2	46,000	103	21,95,514
4 Nagapattinam	180	8,08,258	1	34,665	181	8,42,923
5 Coleroon Bridge Division	11	5,518	..	1,38,823	11	5,518
6 Ponnalar Bridge Division	6	20,130	2	..	8	1,58,953
7 Designs	..	..	..	..	..	..
8 Transport and Machinery Division	..	..	..	..	..	..
9 Research Station (Highways)	..	..	..	..	..	..
Total	587	55,84,182	6	2,82,680	593	58,66,862
Tiruchirappalli Circle.						
10 Tiruchirappalli	163	9,96,552	..	..	163	9,96,552
11 Madurai	120	5,73,235	3	98,200	123	6,72,435
12 Ramanathapuram	202	3,15,603	12	6,30,448	214	9,46,051
13 Tirunelveli	108	10,40,674	7	2,38,390	115	12,79,064
14 Sattur	1	2,500	4	1,09,794	5	1,12,294
15 Bodinayakanur	..	..	2	1,10,000	2	1,10,000
16 Cauveri Bridge Division	..	..	..	..	..	..
Total	599	29,28,564	28	11,87,832	627	41,16,396
Coimbatore Circle.						
17 North Arcot	131	5,87,607	12	3,64,739	143	9,52,346
18 Salem	49	1,18,236	2	1,45,179	51	2,63,415
19 Krishnagiri	123	6,37,127	2	1,40,806	125	7,77,933
20 Erode	119	8,10,161	2	33,163	121	8,43,324
21 Coimbatore	172	3,52,780	1	63,505	173	4,16,285
22 Ootacamund	42	1,58,768	..	..	42	1,58,768
23 Ranipet Special	1	155	1	2,150	2	2,305
24 Kolli Hills Special	33	2,70,000	..	5,59,777	33	2,70,000
25 Coimbatore Special	..	..	3	..	3	5,59,777
Total	675	29,34,834	23	13,09,319	698	42,44,153
West Coast Circle, Connanore.						
26 Mangalore	118	7,23,777	3	1,21,504	121	8,45,281
27 Kozhikode	81	4,82,530	..	..	81	4,82,530
28 Palghat	..	..	3	40,857	3	40,857
29 Kozhikode Special	19	61,527	1	1,13,131	20	1,77,658
30 Mangalore Special (North)	2	609	2	4,48,100	4	4,48,709
31 Mangalore Special (South)	1	800	..	..	1	800
Total	221	12,72,333	9	7,23,592	230	19,95,925
Grand total	2,082	1,27,19,913	66	35,08,423	2,148	1,62,23,336

ANNEXURE 18—cont.

(ii) Statement showing the number of agreements accepted by the Superintending Engineers and Divisional Engineers during 1st April to 31st October 1956 for District Board works.

Serial number and name of circle and division.	Accepted by the Divisional Engineer (Highways).		Accepted by the Superintending Engineers.		Total.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.
	(2)	(3) RS.	(4)	(5) RS.	(6)	(7) RS.
<i>Madras Circle.</i>						
1 Chingleput	211	4,38,834	..	..	211	4,38,834
2 South Arcot	264	17,02,322	..	..	264	17,02,322
3 Tanjore	122	9,83,140	..	..	122	9,83,140
4 Nagapattinam	260	6,40,810	..	..	260	6,40,810
5 Coleroon Bridge Division	..	..	..	..	..	..
6 Penniar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery Division	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research Station (Highways)	..	..	..	..	..	..
Total	857	37,65,106	..	..	857	37,65,106
<i>Tiruchirappalli Circle.</i>						
10 Tiruchirappalli	493	10,28,520	..	..	493	10,28,520
11 Madurai	37	2,78,283	..	..	37	2,78,283
12 Ramanathapuram	27	94,342	..	..	27	94,342
13 Tirunelveli	236	11,29,683	..	..	236	11,29,683
14 Sattur	4	3,12,625	..	..	4	3,12,625
15 Bodinayakanur	..	..	..	..	..	..
16 Cauvery Bridge Division	..	..	..	..	..	..
Total	797	28,43,453	..	..	797	28,43,453
<i>Coimbatore Circle.</i>						
17 North Arcot	127	4,30,805	..	..	127	4,30,805
18 Salem	73	1,18,186	..	..	73	1,18,186
19 Krishnagiri	152	6,00,604	..	..	152	6,00,604
20 Erode	165	7,33,131	..	..	165	7,33,131
21 Coimbatore	106	1,82,500	..	..	106	1,82,500
22 Ootacamund	18	42,521	..	..	18	42,521
23 Ranipet Special	..	..	..	..	..	..
24 Kolli Hills Special	..	..	..	..	..	..
25 Coimbatore Special	..	..	..	..	..	..
Total	621	21,07,747	..	..	621	21,07,747
<i>West Coast Circle, Cannanore.</i>						
26 Mangalore	101	2,11,789	..	..	101	2,11,789
27 Kozhikode	101	2,38,999	..	..	101	2,38,999
28 Palghat	..	..	..	..	..	..
29 Kozhikode Special	..	..	..	..	..	..
30 Mangalore (North) Special	..	..	..	..	..	..
31 Mangalore (South) Special	..	..	..	..	..	..
Total	202	4,50,788	..	..	202	4,50,788
Grand total	2,477	91,67,094	..	..	2,477	91,67,094

NOTE.—Figures relating to Palghat Division are not available.

ANNEXURE 18—cont.

(iii) Statement showing the number of agreements accepted by the Superintending Engineers and Divisional Engineers during 1st November 1956 to 31st March 1957 for Government works.

Serial number, name of circle and division.	Accepted by the Divisional Engineers (Highways).		Accepted by the Superintending Engineers.		Total.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.
	(2)	(3) RS.	(4)	(5) RS.	(6)	(7) RS.
<i>Madras Circle.</i>						
1 Chingleput	123	7,40,110	2	1,04,520	125	8,44,630
2 South Arcot	36	2,22,802	1	1,28,165	37	3,50,967
3 Tanjore	12	3,38,100	1	75,000	13	4,13,100
4 Nagapattinam	294	7,87,849	7	2,49,131	301	10,36,980
5 Coleroon Bridge Division	6	11,616	..	..	6	11,616
6 Ponnaiar Bridge Division	5	9,050	..	..	5	9,050
7 Transport and Machinery Division	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research station (Highways)	..	..	..	..	..	..
Total	476	21,09,557	11	5,56,816	487	26,66,373
<i>Tiruchirappalli Circle.</i>						
10 Tiruchirappalli	123	3,76,102	6	4,21,637	134	7,97,739
11 Madurai	259	9,64,740	7	5,39,210	266	15,03,950
12 Ramanathapuram	119	12,19,877	10	5,19,025	129	17,38,902
13 Tirunelveli	44	3,51,713	3	93,591	47	4,48,302
14 Sattur	8	6,730	..	..	8	6,730
15 Bodinayakanur	..	..	..	..	..	..
16 Cauveri Bridge Division	22	21,812	..	..	22	21,812
17 Nagercoil Division	13	2,80,545	..	..	13	2,80,545
Total	593	32,24,519	26	15,73,513	619	47,98,032
<i>Coimbatore Circle.</i>						
18 North Arcot	136	10,76,274	1	2,19,735	137	12,95,009
19 Salem	179	5,68,882	..	..	179	5,68,882
20 Krishnagiri	61	1,97,348	1	29,231	62	2,26,579
21 Erode	64	2,57,638	1	42,246	65	2,99,884
22 Coimbatore	231	9,51,700	2	3,53,747	233	13,05,447
23 Ootacamund	63	1,43,855	..	..	63	1,43,855
24 Ranipet Special	3	280	1	40,000	4	40,280
25 Kolli Hills Special	31	3,10,000	..	..	31	3,10,000
26 Coimbatore special	..	..	..	..	..	..
Total	818	35,04,977	6	6,84,959	824	41,89,936
Grand total	1,887	88,39,053	43	28,15,288	1,930	1,16,54,341

ANNEXURE 18—cont.

(iv) Statement showing the number of agreements accepted by the Superintending Engineers and Divisional Engineers during 1st November 1956 to 31st March 1957 for District Board works.

Serial number and name of circle and division.	Accepted by the Divisional Engineers (Highways.)		Accepted by the Superintending Engineer (Highways.)		Total.	
	Number.	Amount.	Number.	Amount.	Number.	Amount.
	(2)	(3) RS.	(4)	(5) RS.	(6)	(7) RS.
<i>Madras Circle.</i>						
1 Chingleput	146	4,36,122	..	..	146	4,36,122
2 South Arcot	70	3,80,996	..	..	70	3,80,996
3 Tanjore	3	87,400	..	..	3	87,400
4 Nagapattinam	159	6,77,250	..	..	159	6,77,250
5 Coleroon Bridge Division	..	..	..	..	..	..
6 Ponnioar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research Station (Highways)	..	..	..	..	..	..
Total	378	15,81,768	..	..	378	15,81,768
<i>Tiruchirappalli Circle.</i>						
10 Tiruchirappalli	41	1,17,400	..	..	41	1,17,400
11 Madurai	198	9,03,580	..	..	198	9,03,580
12 Ramanathapuram	187	11,81,255	5	1,46,557	192	13,27,812
13 Tirunelveli	91	9,40,060	..	..	91	9,40,060
14 Sattur	2	2,950	..	..	2	2,950
15 Bodinayakanur	..	..	..	..	..	..
16 Cauvery Bridge Division	..	..	..	..	..	..
17 Nagercoil Division	..	..	..	..	..	..
Total	519	31,45,245	5	1,46,557	524	32,91,802
<i>Coimbatore Circle.</i>						
18 North Arcot	198	6,39,645	..	..	198	6,39,645
19 Salem	147	3,44,875	..	..	147	3,44,875
20 Krishnagiri	56	1,00,464	..	..	56	1,00,464
21 Erode	71	1,65,015	..	..	71	1,65,015
22 Coimbatore	283	6,68,900	..	..	283	6,68,900
23 Ootacamund	28	1,42,451	..	..	28	1,42,451
24 Ranipet Special	..	..	..	..	..	..
25 Kolli Hills Special	..	..	..	..	..	..
26 Coimbatore Special	..	..	..	..	..	..
Total	783	20,61,350	..	..	783	20,61,350
Grand total	1,680	67,38,363	5	1,46,557	1,685	68,84,920

ANNEXURE 19.

Work done in the office of the Chief Engineer (Highways)
from 1st April to 31st October 1956.

1. Tenders—

A. Government Roads—

	Number.	Cost, RS.
(i) Total cost of works for which proposals were approved by the Chief Engineer (Highways).	13	1,12,418
(ii) Total cost of works for which tender proposals were recommended to Government and approved by them.	4	29,35,136

B. District Board Roads—

(i) Total cost of works for which tender proposals were approved by the Chief Engineer (Highways).	9	1,84,824
(ii) Total cost of works for which tender proposals were recommended to Government and approved by them.	6	18,057

2. Estimates.—Forty-two estimates to a total cost of Rs. 1,85,36,400 were dealt with during the period from 1st April to 30th October 1956.

	Number of works.	Amount, RS.
1 Road works	18	52,91,800
2 Bridges and culverts	17	1,06,97,600
3 Other works	..	..
4 Tools and plants	7	25,47,000
Total	42	1,85,36,400

The details of estimates are given below:—

Serial number and date.	Description of work.	Estimated cost, RS.
(1)	(2)	(3)
<i>Road works.</i>		
1 April 1956	Forming approach roads to the railway bridge over Ballapattanam river on Pappiniseri and Azikkal sides.	1,03,000
2 June 1956	Upgrading and blacktopping miles 20/0 to 37/0 of Calicut-Cannanore section of West Coast road job No. OC/MD/977.	5,82,400
3 July 1956	Providing asphalt concrete surface in miles 195/2 and 198/3 of N.H. 45 within Tiruchirappalli Municipal Limits.	3,82,000
4 Do.	West Coast Road upgrading Calicut-Cannanore section miles 45/6 to 66/0 job No. OC/MT/934.	3,19,900
5 Do.	Blacktopping Miles 60/0 to 66/0 of Calicut-Cannanore section of West Coast road job No. OC/MD/971.	2,34,100
6 August 1956	Blacktopping Water Bound Macadam portions in miles 0/0 to 10/0 at Mettur-Pallakanathu Road (MDR) 4.	1,36,000
7 Do.	Blacktopping Pudukkottai-Tanjore road 6/0 to 11/0 (PH) ..	1,20,000
8 Do.	Upgrading Vilaravandy Lower Anicut roads 109/4 to 132/0 ..	1,27,000
9 Do.	Converting laterite metal surface into granite and blacktopping Sergudi-Devakottah road 0/0 to 9/6.	2,81,000
10 Do.	Cement Concreting Tenkasi-Madurai road miles 44/0 to 50/0.	5,40,000
11 October 1956	Upgrading Karnavikanal road miles 34/2—45/0.	2,03,000
12 Do.	Blacktopping Coimbatore-Sathy-Chamarajanagar road 52/0—67/3 upto State limit.	1,52,000
13 Do.	Upgrading Nanguneri-Kalakad Road 0/0 to 6/7 + 240 ..	1,41,000
14 Do.	Blacktopping Thiruthuraiipoondi-Vedaranyam road miles 18/0 to 39/3.	2,86,000
15 Do.	Cement Concreting Tiruchirappalli-Coimbatore road miles 112/0 to 120/0.	7,72,400
16 Do.	Improvements to Palayamkottai-Thiruchendur road 14/7 to 19/8 to prevent encroachment load bank over the road.	1,43,000
17 Do.	Blacktopping improvements to dips and widening culverts in Uthamapalayam road miles 0/0 to 7/5.	1,88,000
18 Do.	Revised Estimate for forming a road from Tuttleorin to Thiruchendur Miles 1/5 to 13/3.	6,00,000
Total		52,91,800

ANNEXURE 19—cont.

Work done in the office of the Chief Engineer (Highways)
from 1st April to 31st October 1956—cont.

Serial number and date. (1)	Description of work. (2)	Estimated cost. (3) RS.
Bridges and Culverts.		
1 April 1956 ..	Reconstruction of the bridge at mile 5/7 of Moodabidri Garayankara Road (Government Major District Road), South Kanara District.	2,60,000
2 Do. ..	Constructing a bridge near Kannamangalam at miles 105/4 of Cuddalore-Chittoor Road (North Arcot district).	2,89,000
3 May 1956 ..	Communications—Bridges—South Kanara district—Constructing Bridge across Gespur River at mile 9/7-8 of Mangeshwar Bandur road—Revised Estimate.	8,76,000
4 Do. ..	Constructing a bridge at mile 31/4-5 of Wandiwash Polur road.	4,12,000
5 June 1956 ..	Constructing a bridge across Mandalayur at mile 38/4 of Tiruchirappalli-Chidambaram (Government Major District Road).	4,90,000
6 Do. ..	Constructing a bridge at mile 14/8 of Athur-Perambalur Road (Government Major District Road, Salem district).	1,90,500
7 Do. ..	Reconstructing the Jadal bridge at mile 8/3 of Wandse-Halkal road (Provincial Highway.)	2,02,000
8 Do. ..	Constructing a bridge revised estimate over Panamaram river at mile 10/2 of Manantoody-Panamaram Road.	6,14,000
9 July 1956 ..	Constructing a bridge at mile 20/4 of Pattukottal-Arantangi road (via) Nagaram.	1,25,000
10 August 1956 ..	Construction of a bridge across river Cauvery and Diversion of N.H. 45 of by passing Tiruchirappalli Town.	45,37,00
11 October 1956 ..	Constructing a bridge at mile 16/4 of Pattukottal-Arantangi road (via) Nagaram.	1,54,000
12 Do. ..	Constructing a bridge at mile 34/1 of Kollegal-Chellapalayam road.	1,29,000
13 Do. ..	Constructing a bridge at mile 21/5 of Kollegal-Chellapalayam road.	1,31,000
14 Do. ..	Constructing a causeway at mile 9/3 of Parthipanur-Narikudi road.	1,58,000
15 Do. ..	Constructing 4 bridges in Papanasam-Kabisthalam road ..	7,63,100
16 Do. ..	Constructing a causeway across Vaigai in road connecting Ramanathapuram-Mandapam road to Alagambulam-Panal-kulam.	2,87,000
17 Do. ..	Constructing a bridge across the river Cauvery Erode-Pallipalayam road.	11,00,000
Total ..		1,06,97,600

Other works.—Nil**Tools and plants.**

1 July 1956 ..	Purchase of corrugated sheets from disposal and for the construction of 80 numbers of sheds of size 60' x 35' at the head quarters of Assistant Engineers.	5,80,000
2 Do. ..	Purchase of 3 numbers of Calendar-Hamilton Bridge Units.	1,52,000
3 Do. ..	Revised Estimate for the purchase of 54, Tar boilers, 13 hot mix plants and 600 hand drum mixers.	8,00,000
4 Do. ..	Supplemental estimate for the manufacture of additional 275 number of hand drum mixers.	1,00,000
5 August 1956 ..	Estimate for the purchase of 3 numbers Linear-cum-flow concrete mixer.	27,000
6 Do. ..	Estimate for the purchase of 3 numbers of Bull Dozers and 3 numbers of Motor Graders.	7,00,000
7 September 1956 ..	Estimate for the purchase of plant and machinery from Disposals and other sources.	1,85,000
Total ..		25,47,000

ANNEXURE 19—cont.

Work done in the office of the Chief Engineer (Highways)
from 1st November 1956 to 31st March 1957.

1. Tenders—**A. Government Roads—**

	Number.	Cost in RS. A. P.
(1) Total cost of works for which proposals were approved by the Chief Engineer (Highways).	12	1,31,309 3 0
(2) Total cost of works for which tender proposals were recommended to Government and approved by them.	10	4,24,774 0 0

B. District Board Works—

(1) Total cost of works for which tender proposals were approved by the Chief Engineer (Highways).	1	3,63,500 0 0
(2) Total cost of works for which tender proposals were recommended to Government and approved by them.	3	14,907 0 0

2. Estimates.—Thirty-eight estimates to a total cost of Rs. 99,12,568 were dealt with during the period from 1st November 1956 to 31st March 1957.

	Number of works.	Amount. RS.
I Road works	28	70,09,600
II Bridges and culverts.	9	27,89,968
III Other works	1	43,000
IV Tools and plants	1	
	38	99,12,568

The details of estimates are given below.—

Serial number and date. (1)	Description of work. (2)	Estimate cost. (3) RS.
1 November 1956 ..	Metalling Poonthottam-Nachiarcoil road mile 6/0 to 12/4.	2,45,300
2 Do. ..	Upgrading Ramanathapuram-Nainarkoil road 17/0 by metalling and blacktopping.	6,95,000
3 Do. ..	Blacktopping Ambasamudram—Tenkasi road mile 9/0 to 20/0.	1,23,000
4 Do. ..	Blacktopping Vandalur-Kelambakkam road miles 20/0 to 31/5.	1,58,000
5 Do. ..	Upgrading such as widening and blacktopping Ootacamund-Kottagiri road 3/8 to 12/7.	2,10,000
6 Do. ..	Blacktopping Tirukalikundram-Madras road miles 0/0 to 9/2.	1,56,000
7 December 1956 ..	Widening Thandigudi ghat road miles 5/7 to 8/0.	2,62,500
8 Do. ..	Blacktopping waterbound macadam portion in miles 22/0 to 32/0 of Kumbakonam-Mannargudi road (Major district Road 10) and widening blacktopping surface.	1,10,000
9 January 1957 ..	Improvements to Ponneri-Pulicat road construction of 14 miles bridges Job No. E and IMD/313 revised technical sanction for 5 Nos. bridges.	2,54,000
10 Do. ..	Blacktopping the gaps in Hosur-Adamankottah road mile 0/0 to 54/0.	1,28,000
11 February 1957 ..	Blacktopping Tiruchirappalli-Melur road miles 239/6 to 259/4 in the waterbound macadam gaps including widening of blacktop in the built up areas (Government Major District road.)	1,75,200
12 Do. ..	Metalling Mannargudi-Muthupet road mile 0/0 to 2/4, 5/6 to 11/6.	1,32,500
13 Do. ..	Upgrading the blacktop crust in Madras-Chittoor-Bangalore road N. H. 4, 16/0 to 47/0 Job No. 1704 M. D. 4.	2,91,000
14 March 1957 ..	Forming diversion to Arkonam-Trivellore road in Chingelput district.	60,700
15 Do. ..	Forming diversion road M. 12/3-4 13/6-8, 14/1-7, 15/6-7 of Cuddalore-Chittoor road.	3,42,000
16 Do. ..	Improvements to Arkonam-Trivellore road in North Arcot District.	1,56,000

ANNEXURE 19—cont.

Work done in the office of the Chief Engineer (Highways)
from 1st November to 31st March 1957—cont.

Serial number and date. (1)	Description of work. (2)	Estimated cost. (3) RS.
18 March 1957 ..	Providing B.T. surface on Sirkali-Thiruvengadu road miles 7-4.	1,79,000
19 Do. ..	Blacktopping M. 3/3 to 1/2 of Kancheepuram-Sethiathope road.	1,21,000
20 Do. ..	Blacktopping Chingleput-Tiruppur road from miles 0/0 to 14/0.	2,35,000
21 Do. ..	Estimate for blacktopping Nelvay-Tirukkalkundram road M. 0/0 to 20/0.	3,40,000
22 Do. ..	Blacktopping Sirkali-Thirumallaivasal road miles 1/0 to 8/0.	1,20,000
23 Do. ..	Improvements to road Via from Ramarathapuram to Mandapam road to District Limit via Uthirakosamangal-Sikkal, Sayalkudi and Selvalpatty.	10,28,000
24 Do. ..	Forming and metalling road from mile 6/1 of Ramarathapuram-Devipattinam road to Uthagari (via) Chittukottai and Panakulam.	3,62,900
25 Do. ..	Forming and metalling the road from Valudur to Perlerabutam (via) Rangunathapuram and Muttupet-Tiruppur road.	1,12,800
26 Do. ..	Estimate for formation of a road from Tharavikulam to Sunkudi and on to District limit.	7,00,000
27 Do. ..	Blacktopping gaps in Dharmapuri-Hogainakkal road miles 0/0 to 29/0.	1,26,000
28 Do. ..	Formation of a road from Karivalam-Vandanallur to Rayagiri and construction of a causeway.	1,50,000
Total ..		70,76,600

Bridges and culverts.

1 November 1956 ..	Reconstructing the bridge across Uppodaiar, miles 343/7 (Job No. 13-3, M. D. 7)	1,68,100
2 Do. ..	Constructing a high level causeway across Vaigai at Solavandan connecting Thirumangalam-Palladassi road (Government Major district road) and Madurai Melakkal-Nickkuval road (Government Major district road).	4,20,000
3 December 1956 ..	Reconstructing the Melakkal causeway at miles 11/7-8 of Thirumangalam-Billapatty road, Madurai district.	4,70,000
4 January 1957 ..	Constructing a bridge across Kodavanar at miles 6/2 of Dindigul-Aravakurichi road (Job No. 38, M. D. 7)	2,13,868
5 March 1957 ..	Construction of bridge at mile 46/7 of Madurai-Dhanushkottai road N. h. 49.	2,00,000
6 Do. ..	Constructing a bridge across Kamandalanaganandhi at miles 16/1 of Arcot-Arni-Wandiwash road.	5,00,000
7 Do. ..	Constructing a bridge across Kousika river on Sivakasi Virudunagar road.	1,69,000
8 Do. ..	Revised estimate for constructing a bridge over Buckingham canal and forming approach road between Kelambakkam and Covelong road.	8,56,400
9 Do. ..	Constructing a causeway across Killiyar at miles 7/5 of Padalam-Cheyyur road.	2,92,600
Total ..		27,89,968

Other works—Nil.

Tools and Plants.

1 January 1957 ..	Purchase of air compressor and gunniting equipment ..	43,000
Total ..		43,000

ANNEXURE 20.

Statement showing the contracts awarded since 1946-47.

Year.	Government.					
	Maintenance.		Surfacings.		Bridges, culverts and causeways.	
	Number. (2)	Cost. (3) RS.	Number. (4)	Cost. (5) RS.	Number. (6)	Cost. (7) RS.
1946-47 ..	2,087	1,03,91,377	36	6,16,240	80	1,86,825
1947-48 ..	3,516	1,85,83,688	72	6,07,192	324	6,33,520
1948-49 ..	3,569	2,37,90,402	90	20,94,744	163	31,09,712
1949-50 ..	3,631	2,96,01,947	169	66,75,229	372	28,11,250
1950-51 ..	3,888	3,18,93,090	405	79,42,106	514	52,12,011
1951-52 ..	3,787	4,10,35,074	487	63,01,105	366	51,99,521
1952-53 ..	3,399	3,21,17,336	690	95,30,243	368	33,36,209
Residuary Madras State excluding Andhra areas.						
1953-54 ..	1,944	1,82,44,849	246	18,86,254	86	27,56,742
1954-55 ..	2,055	1,33,63,860	472	60,23,497	180	45,82,692
1955-56 ..	2,449	1,74,79,137	531	69,12,684	213	71,15,318
(i) From 1st April 1956 to 31st October 1956 ..	1,362	81,73,447	271	35,00,078	104	34,60,512
(ii) From 1st November 1956 to 31st March 1957 ..	1,024	66,55,202	266	43,91,174	70	10,97,329

Year.	District Boards.						Total.	
	Maintenance.		Surfacings.		Bridges, culverts and causeways.		Number. (14)	Cost. (15) RS.
	Num. ber. (8)	Cost. (9) RS.	Num. ber. (10)	Cost. (11) RS.	Num. ber. (12)	Cost. (13) RS.		
1946-47 ..	3,908	63,57,633	29	3,23,805	131	2,52,845	6,271	1,81,28,725
1947-48 ..	4,611	83,95,396	114	12,06,933	274	5,64,000	8,911	2,99,90,727
1948-49 ..	4,945	1,10,18,993	89	12,38,877	403	9,21,674	9,259	4,20,84,603
1949-50 ..	5,067	1,34,98,933	220	34,55,378	269	22,59,252	9,723	5,83,01,989
1950-51 ..	5,333	1,49,00,947	237	34,43,615	332	35,01,012	10,714	6,68,92,781
1951-52 ..	5,767	1,65,97,371	481	38,25,215	392	34,98,002	11,280	6,64,56,288
1952-53 ..	4,613	1,60,38,968	380	22,19,258	359	29,04,209	9,809	6,61,46,133
Residuary Madras State excluding Andhra areas.								
1953-54 ..	2,677	94,37,537	57	6,99,943	193	22,22,279	5,203	3,52,47,604
1954-55 ..	2,722	81,64,164	75	8,29,254	106	18,52,712	5,589	3,48,16,179
1955-56 ..	3,566	94,83,913	148	9,23,274	222	22,35,810	7,129	4,41,55,126
(i) From 1st April 1956 to 31st October 1956 ..	1,590	58,64,417	163	24,26,693	82	5,89,620	3,577	2,57,43,287
(ii) From 1st November 1956 to 31st March 1957 ..	1,637	6,08,799	135	16,64,446	70	7,72,726	3,202	2,08,18,882

ANNEXURE 21.

(i) Statement showing the number of investigations since 1946-47.

Year.	Number of investigations.		Total.
	Government.	District board.	
(1)	(2)	(3)	(4)
1946-47	60	61	121
1947-48	179	489	668
1948-49	262	288	550
1949-50	263	399	662
1950-51	116	428	544
1951-52	91	506	597
1952-53	93	212	305
1953-54	30	46	76
1954-55	148	33	181
1955-56	173	24	197
1956-57—			
(i) As on 31st October 1956.	58	30	88
(ii) As on 31st March 1957.	21	14	35
Total	1,495	2,529	4,024

NOTE. (1) * The figures for the years relate to the Residuary Madras State after partition of Andhra State on 1-10-53.

† The figures relate to the present Madras State as reconstituted with effect from 1-11-56 under the States Reorganisation scheme.

(2) Division-wise particulars for the year 1956-57 are furnished in Statement (ii).

(ii) Statement showing the number of investigations during 1st April to 31st October 1956 in 1956-57

Serial number and name of circle and division.	Number of investigations.		Total.
	Government.	District boards.	
(1)	(2)	(3)	(4)
<i>Madras Circle.</i>			
1 Chingleput	20	6	26
2 South Arcot	..	..	..
3 Tanjore	..	..	..
4 Nagapattinam	..	2	2
5 Coleroon Bridge Division	..	..	..
6 Ponnaiar Bridge Division	1	..	1
7 Transport and Machinery Division	..	..	..
8 Designs Division	..	..	..
9 Research Station (Highways)	..	..	..
Total	21	8	29
<i>Tiruchirappalli Circle.</i>			
10 Tiruchirappalli	7	4	11
11 Madurai	..	..	..
12 Ramanathapuram	4	3	7
13 Tirunelveli	4	8	12
14 Sattur Special Division	..	..	..
15 Bodinaikkanur Special	1	..	1
16 Cauveri Bridge Division	..	..	..
17 North Arcot	..	..	..
Total	26	15	41

ANNEXURE 21—cont.

(ii) Statement showing the number of investigations during 1st April to 31st October 1956 in 1956-57—cont.

Coimbatore Circle.		Number of investigations.	
Serial number and name of circle and division		Government.	District board.
		(2)	(3)
(1)		(2)	(3)
8 Salem	..	..	..
9 Krishnagiri	..	3	3
0 Erode	..	..	2
1 Coimbatore	..	5	..
2 Ootacamund	..	..	..
3 Coimbatore Special	..	..	..
4 Ranipet special	..	2	..
5 Kolli Hills Special Division	..	..	..
Total	..	10	5

West Coast Circle, Cannanore.		Number of investigations.	
Serial number and name of circle and division		Government.	District board.
		(2)	(3)
16 Mangalore	..	5	2
17 Kozhikode	..	6	..
18 Palghat	..	..	..
19 Mangalore Special (South)	..	..	..
20 Mangalore Special (North)	..	..	..
31 Kozhikode Special	..	..	..
Total	..	11	2
Grand total	..	58	30

(iii) Statement showing the number of investigations during 1st November 1956 to 31st March 1957 in 1956-57.

Madras Circle.		Number of investigations.	
Serial number and name of circle and division		Government.	District board.
		(2)	(3)
1 Chingleput	..	..	..
2 South Arcot	..	..	1
3 Tanjore	..	..	..
4 Nagapattinam	..	2	1
5 Coleroon Bridge Division	..	..	..
6 Ponnaiar Bridge Division	..	..	..
7 Transport and Machinery Division	..	..	..
8 Designs Division	..	..	..
9 Research Station (Highways)	..	..	..
Total	..	2	2

ANNEXURE 21—cont.

(iii) Statement showing the number of investigations during 1st November 1956 to 31st March 1957 in 1956-57—cont:

Serial number, name of circle and division. (1)	Number of investigation.		
	Government. (2)	District board. (3)	Total. (4)
<i>Tiruchirappalli Circle.</i>			
10 Tiruchirappalli	5	5	10
11 Madurai	2	1	3
12 Ramanathapuram	..	..	..
13 Tirunelveli	2	5	7
14 Nagercoil	..	..	..
15 Sattur Special.. .. .	..	..	..
16 Bodinayakanur Special	..	..	..
17 Cauveri Bridge Division	..	..	..
Total	9	11	20
<i>Coimbatore Circle.</i>			
18 North Arcot	1	1	2
19 Salem	..	..	..
20 Krishnagiri	2	..	2
21 Erode	..	..	..
22 Coimbatore	5	..	5
23 Ootacamund	..	..	..
24 Coimbatore Special	..	..	..
25 Ranipet Special	2	..	2
26 Kolli Hills Special	..	..	..
Total	10	1	11
Grand total	21	14	35

ANNEXURE 22.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957).

Serial number, name of works and estimate cost (classification and division). (1)	Expenditure during the year. (1st April to 31st October 1956). (2)	Expenditure to end of 31st October 1956. (3)	Expenditure, 1st November 1956 to 31st March 1957. (4)	Expenditure to end of 31st March 1957. (5)
	RS.	RS.	RS.	RS.
A. GOVERNMENT ROADS.				
I. BRIDGES, CULVERTS AND CAUSEWAYS.				
1 Constructing a bridge at mile 20/4 of Pattukottai-Arantangi road estimate cost Rs. 1,25,000—Central Road Fund—Tanjore District.	..	..	2,008	2,008
2 Constructing a causeway across Vellar at mile 4/5 of Vridhachalam-Rajendrapatnam road—Estimate cost Rs. 1,98,000—Central Road Fund—South Arcot District.	27,634	27,634	22,352	49,986
3 Constructing a bridge and culverts at miles 11/7, 12/4, 12/6, 13/6 and 14/3 of Ponneri-Pulicat Road—Estimate cost Rs. 2,54,700—Central Road Fund—Chingleput Division.	39,343	39,343	41,462	80,805
4 Constructing a bridge across the Coleroon at Anaikeerancharatram on Chidambaram Sirkall-Road—Estimate cost Rs. 34,50,000—Development Schemes—Coleroon Bridge Division.	3,12,097	29,68,674	1,86,449	31,50,123
5 Constructing a bridge across Penniar river at mile 101/2-5 of Madras Tiruchirappalli Dindigul road—Estimate cost Rs. 33,34,000—Post-war Road Development—Villupuram Special Division.	6,96,255	14,44,556	3,40,064	17,84,610
6 Constructing a bridge across Ponniar at miles 44/4 to 45/2 of Cuddalore Chittoor road—Estimate cost Rs. 1,62,100—Post-war Road Development—Villupuram Special Division.	1,31,500	1,31,500	2,99,800	4,31,800
7 Reconstructing the bridge at mile 9/1 of Merkanam-Tindivanam road—Estimate cost Rs. 2,90,000—Post-war Road Development—South Arcot Division.	8,678	8,678	5,467	14,145
8 Constructing a bridge across Agnilar at mile 6/4 of Pattukottai Arantangi road—Estimate cost Rs. 2,75,000—Post-war Road Development—Tanjore Division.	(—) 7	3,62,137	3,255	3,65,422
9 Constructing a bridge at mile 7/1 of Ramnad-Keelakarai road—Estimate cost Rs. 3,76,000—Ramanathapuram Division.	1,63,027	1,63,027	1,04,056	2,67,083
10 Constructing bridge across Kousig river in Sivakasi-Virudunagar road—Estimate cost Rs. 1,69,000—Ramanathapuram Division.	166	166	..	..
11 Reconstructing bridge in mile 19/5 of Madurai-Tondi road—Estimate cost Rs. 3,11,000—Ramanathapuram Division.	575	575	90,663	91,243
12 Reconstructing bridge at mile 4/5 of Madurai-Tondi road—Estimate cost Rs. 1,23,000—Ramanathapuram Division.	..	..	32,564	32,564
13 Reconstructing bridge at mile 34/8 of Manamadurai-Tirupathur Pudukkottai Frontier road—Estimate cost Rs. 1,12,000—Ramanathapuram Division.	..	..	21,194	21,194 (Work in progress)
14 Widening Albert Victor bridge and providing foot-path thereon—Estimate cost Rs. 2,35,000—Madurai Division.	23,573	24,573	39,473	64,046

ANNEXURE 22—cont.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number name of works and estimate cost (classification and division).	Expenditure during the year (1st April to 31st October 1956).	Expenditure to end of 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
RS.	RS.	RS.	RS.	RS.
A. GOVERNMENT ROADS—cont.				
I. BRIDGES, CULVERTS AND CAUSEWAYS—cont.				
15 Constructing a bridge across Vaigai on bypass near Madurai—Estimate cost Rs. 7,88,800—Madurai Division.	1,02,695	1,02,695	1,80,001	2,82,696
16 Constructing causeway at mile 11/7-8 of Tirumangalam-Pallapatti road—Estimate cost Rs. 4,70,000—Madurai Division.	..	..	2,500	2,500
17 Constructing a bridge across Arjuna river at mile 339/4 of Banares-Cape Comorin road—Estimate cost Rs. 4,08,000—Sattur Special Division.	1,01,441	1,51,125	78,538	2,29,663
18 Reconstructing a bridge across Uppadai at mile 343/7 of Banares-Cape Comorin road—Estimate cost Rs. 1,83,000—Sattur Special Division.	42,340	47,928	57,966	1,05,892
19 Reconstructing bridge across Vaippar at mile 345/7 of Banares-Cape Comorin road—Estimate cost Rs. 9,49,000—Sattur Special Division.	2,09,778	2,27,250	2,80,578	5,07,828
20 Strengthening and widening the Kaveripattanam bridge at mile 168/4 of National Highways 7—Job No. 281/MD. 7—Estimate cost Rs. 4,94,800—Post-war Road Development—Krishnagiri Division.	6,516	4,83,738	..	..
21 Constructing a bridge at mile 187/4 of National Highways 7—Job No. 985/MD. 7—Estimate cost Rs. 1,71,000—Post-war Road Development—Krishnagiri Division.	49,412	1,21,870	18,646	1,40,518
22 Constructing a new bridge at mile 177/7 of National Highways 7—Job No. 1385—M.D. 7—Estimate cost Rs. 1,65,400—Post-war Road Development—Krishnagiri Division.	11,448	20,847	33,600	54,447
23 Constructing a bridge across Palar near Ranipet at mile 71/1-5 of Ranipet Krishnagiri road—Job No. 1011—M.D. 46—Estimate cost Rs. 19,75,000—Post-war Road Development—Ranipet Special Division.	2,24,586	5,99,630	17,1,541	7,71,181
24 Reconstructing the bridge at mile 234/2 of Madras Kozhikode road on N.H. 47—Job No. 1329 MD 47—Estimate cost Rs. 1,76,700—Post-war Road Development—Salem Division.	25,571	25,571	74,436	1,00,007
25 Constructing the Noyyal bridge at mile 331/1 of Madras Kozhikode road—Job No. 402/MD 47—Estimate cost Rs. 2,00,000—Post-war Road Development—Coimbatore Division.	1,820	2,79,641	19,045	2,82,686
26 Constructing a bridge across Marudayar at mile 38/4 of Tiruchirappalli Chidambaram road—Estimate cost Rs. 4,90,000—Tiruchirappalli Division.	..	..	37,458	37,458
27 Constructing a bridge across Cauvery and diversion of N.H. 45—Estimate cost Rs. 39,82,000—Cauvery Bridge Division, Tiruchirappalli.	..	..	71,227	71,227
28 Constructing a bridge across Cheyyar river at mile 31/4 to 31/5 of Wandiwash Polar road—Estimate cost Rs. 4,20,000—Vellore Division.	..	..	9,275	9,275
29 Constructing a bridge at mile 14/8 of Attur Veeraganur road—Estimate cost	..	..	23,534	23,534

ANNEXURE 22—cont.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the year (1st April to 31st October 1956).	Expenditure to end of 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
RS.	RS.	RS.	RS.	RS.
GOVERNMENT ROADS—cont.				
II. CEMENT CONCRETE AND BLACKTOP ROADS.				
1 Blacktopping Kumbakonam-Mannargudi road mile 22/0 to 31/0—Estimate cost Rs. 1,10,000—Road Development Fund—Tanjore Division.	..	..	55,795	55,795
2 Providing seal coat in mile 152 to 245/2 of Great Southern Trunk road—Estimate cost Rs. 2,33,000—Tiruchirappalli Division.	83,264	1,07,545	..	..
3 Providing blacktop surface to Pudukkottai-Tanjore road—Mile 0/0 to 11/0—Estimate cost Rs. 1,20,000—Tiruchirappalli Division.	9,428	9,428	72,817	82,245
4 Blacktopping in mile 239/0 to 251/0 of Tiruchirappalli-Meiyur road—Estimate cost Rs. 1,75,000—Madurai Division.	..	..	8,419	8,419
5 Blacktopping the W.B.M. portion in mile 10/0 to 17/0 of Dindigul-Bathalagundu road—Estimate Rs. 1,30,000—Madurai Division.	29,710	29,710	60,248	89,958
6 Blacktopping in mile 0/0 to 10/0 in Mettur-Palakanathur road—Estimate Rs. 1,26,000—Madurai Division.	182	182	75,945	76,127
7 Metalling and blacktopping in Sarugani-Devakottal road—Estimate cost Rs. 2,81,000—Ramanathapuram Division.	32,666	32,666	1,04,230	1,36,896
8 Cement concreting Salem new bye-pass road—Estimate cost Rs. 1,65,000—Road Development Fund—Coimbatore Division.	(—)1,236	1,53,476	..	..
9 Cement concreting Pollachi-Udamalpet road mile 1/1 to 3/1—Estimate cost Rs. 2,46,000—Road Development Fund—Coimbatore Division.	1,11,074	1,11,074	12,594	1,23,668
10 Cement concreting Tiruchirappalli-Coimbatore road mile 112/0 to 120/0—Estimate cost Rs. 6,40,000—Road Development Fund—Coimbatore Division.	48	48	..	..
11 Widening the existing blacktop surface to 22 feet width from mile 54/0 to 70/0 and mile 1/0 to 81/8 of Madras-Chittoor-Bangalore road N.H. 4 (Job No. 1484—MD 4)—Estimate cost Rs. 7,24,000—Post-war Road Development, Vellore.	2,05,475	2,05,475	2,22,741	4,28,216
12 Cement concreting mile 219 to 228 of Madras-Calicut road—N.H. 7 (Job No. 339—M.D. 7)—Estimate cost Rs. 6,21,000—Post-war Road Development—Coimbatore Division.	1,287	1,287	..	..
13 Widening the existing blacktop surface in mile 70/0 to 78/0 and mile 81/2 to 100/2 in Ranipet-Krishnagiri road (Job No. 1320 MD 46) N.H. 46—Estimate cost Rs. 2,70,000—Post-war Road Development—Vellore Division.	4,106	4,106	11,834	15,940
14 Blacktopping mile 236/6 plus 500 to 265/6 plus 320 of Salem-Cochin road—Job 929/MD 47 N.H. 4—Estimate cost Rs. 5,59,000—Post-war Road Development—Salem Division.	(—)11,875	11,875	..	..
15 Blacktopping mile 307/4 to 310/0, 312/4 to 315/0 and 320/0 to 323/0 of Salem-Cochin road—Estimate cost Rs. 3,58,000—Post-war Road Development—Coimbatore Division.	29,204	29,204	..	..
16 Providing improved surfacing to Coimbatore-Sathy road mile 2/1 to 29/0—Estimate cost Rs. 1,25,700—Ex Post-war Road Development—Coimbatore Division.	546	546	..	..

ANNEXURE 22—cont.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57
(1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the year (1st April to 31st October 1956).	Expenditure to end of the 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
	RS.	RS.	RS.	RS.

A. GOVERNMENT ROADS—cont.

II. CEMENT CONCRETE AND BLACKTOP ROADS—cont.

From 1st November 1956 to 31st March 1957.

17 Blacktopping Tirukalkundram-Sadras road—Estimate cost Rs. 1,54,000—Road Development Fund—Chingleput Division.	..	..	30,499	30,499
18 Blacktopping Vandalur-Kelambakkam road—Estimate cost Rs. 1,50,000—Road Development Fund—Chingleput Division.	..	..	35,214	35,214
19 Blacktopping Tirumushi-Satyavedu road—Estimate cost Rs. 1,00,000—Road Development Fund—Chingleput Division.	..	..	60,669	60,669
20 Blacktopping Tiruthuraiipoondi-Vedanyam road miles 18 to 31/4—Estimate cost Rs. 2,36,000—Road Development Fund—Nagapattinam Division.	..	..	1,05,200	1,05,200
21 Cement concreting Tanjore-Tiruchirappalli road mile 21/2 to 26/0—Estimate cost Rs. 3,95,000—Tiruchirappalli Division.	..	..	(—) 5,921	2,38,645
22 Cement concreting Padukottai-Tiruchirappalli road mile 28 4 to 33 0—Estimate cost Rs. 2,72,000—Tiruchirappalli Division.	..	..	1,31,667	2,21,273
23 Semi-grouting Marthandam to Monday Market (via) Karingal—Estimate cost Rs. 1,60,000—Nagarcovil Division.	..	..	19,366	28,267
24 Blacktop surfacing mile 2 to 20/0 of Ambasamudram-Tenkasi road—Estimate cost Rs. 1,23,000—Tirunelveli Division.	..	..	87,030	87,030
25 Providing blacktop surface to mile 91/0 to 99/4 of Tiruchirappalli Coimbatore road—Estimate cost Rs. 1,05,000—Coimbatore Division.	..	..	43,191	43,191
26 Cement concreting Pollachi Meenakarai road mile 0/2 to 1/5 within Pollachi Municipal limits—Estimate cost Rs. 1,72,000—Coimbatore Division.	5,128	6,128	76,385	81,593
27 Blacktopping Coimbatore Satyamangalam road mile 52/0 to 67/1-2—Estimate cost Rs. 1,52,000—Erode Division.	..	..	70,603	70,603
28 Upgrading such as widening and blacktopping Ooty-Kotagiri road miles 3/6 to 12/7—Estimate cost Rs. 2,10,000—Nilgiris Division.	..	..	2,055	2,055

III. NEW FORMATIONS.

1 Forming a diversion road from mile 303/4 to 304/3 of Great Southern Trunk Road—Estimate cost Rs. 1,23,000—Madurai Division.	15,228	38,970	60,002	93,972
2 Forming a road from Bodi to Bodi-Mettur—Estimate cost Rs. 8,28,500—Bodinayakanur Special Division.	1,78,667	1,34,409	1,69,286	3,53,735
3 Forming the unformed portions of the road to Kollu Hills—Estimate cost Rs. 26,35,000—Post-war Road Development—Kollu Hills Special Division.	1,19,377	1,19,377	3,14,973	4,34,350
4 Forming a road from Mannarghat to Chinnathadagam—Estimate cost Rs. 12,92,700—Ex Post-war Road Development—Coimbatore Division.	3,89,276	3,39,276	28,474	3,67,750

From 1st November 1956 to 31st March 1957.

5 Forming a road from Thiruvanniyur-Muthukadu—Estimate cost Rs. 3,00,000—Central Road Fund—Chingleput Division.	..	..	363	363
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ANNEXURE 22—cont.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57
(1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the year 1st April to 31st October 1956.	Expenditure to end of 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
	RS.	RS.	RS.	RS.

A. GOVERNMENT ROADS—cont.

IV. IMPROVEMENTS AND SPECIAL REPAIRS.

1 Improving and metalling the road from Kovalam to Mahabalipuram—Estimate cost Rs. 3,49,900—Development Schemes, Chingleput Division.	1,02,973	1,77,850	..	1,77,850
2 Improving and metalling the road from Ponneri to Pulicat—Estimate cost Rs. 7,01,300—Development Scheme, Chingleput Division.	4,34,103	6,14,089	..	6,18,069
3 Upgrading Vikravandy Lower Ancient road M. 109/4 to 132—Estimate cost Rs. 1,27,000—Development Schemes, Tanjore Division.	28,628	28,628	24,376	5,004
4 Improvements to Mehur Tiruppattur road M. 19/2 to 28/0—Estimate cost Rs. 1,41,000—Madurai Division.	19,710	1,03,454	28,019	1,31,973
5 Widening the existing W.B.M. surface and providing black-top surface in M. 181 to 186 and M. 203 to 215 of Great Southern Trunk road Tiruchirappalli Division.	74,932	91,853	..	..
6 Improvements to Kodaikanal—Munnar road M. 7/0 to 37/3—Estimate cost Rs. 9,57,000—Madurai Division.	1,58,088	6,68,573	2,87,362	9,35,923
7 Upgrading Ramnad Nainarkoil road—Estimate cost Rs. 6,95,000 Kamanathapuram Division.	..	..	8,360	3,360
8 Improvements to Anamalai Ghat road M. 0/0 to 26/1—Estimate cost Rs. 4,12,800 Ex. Post-war Road Development Coimbatore Division.	37,053	1,25,319	1,09,326	2,34,630
Improvements to Palladam Cochin Frontier road M. 0/0 to 20/1—Estimate cost Rs. 4,84,000 Ex. Post-war Road Development Coimbatore Division.	39,710	39,710	1,09,892	1,49,602

From 1st November 1956 to 31st March 1957.

10 Metalling Poonthottam Nachiarkoil road miles 6/0 to 12/4—Estimate cost Rs. 2,45,300 Road Development Fund Nagapattinam Division.	..	..	35,819	35,819
11 Upgrading Karur Vellianai Dindigul road—Estimate cost Rs. 2,93,700 Tiruchirappalli Division.	..	..	75,137	75,137
12 Upgrading Nanguneri Kalakad road—Estimate cost Rs. 1,30,000 Tirunelveli Division.	..	..	71,041	71,041
13 Improvements to Palamcottah Tiruchendur road—Estimate cost Rs. 1,43,000 Tirunelveli Division.	..	..	77,418	77,418
14 Improvements to Panagudi Cape road—Estimate cost Rs. 2,95,400 Tirunelveli Division.	..	..	31,013	31,013
15 Granite metalling Udumalpet Palladam road miles 0/6 to 438 to 15/0—Estimate cost Rs. 1,04,000.	..	..	21,893	21,893

ANNEXURE 22—cont.

(i) Review of works costing over Rs. 1 lakh each in progress during 1956-57
1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the year 1st April to 31st October 1956.	Expenditure to end of 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
RS.	RS.	RS.	RS.	RS.
B. DISTRICT BOARD WORKS.				
I. BRIDGES, CULVERTS AND CAUSEWAYS.				
1 Constructing a bridge across the backwaters of Buckingham Canal near Kelambakkam and Kovalam—Estimate cost Rs. 3,56,400—Central Road Fund, Chingleput Division.	96,600	2,74,687	7,890	2,82,577
2 Constructing a bridge across Kodamurthi river in Ayyampet Ganacathy Agraharam road—Estimate cost Rs. 2,91,000—Central Roads Fund, Tanjore Division.	29,484	2,36,147	4,115	2,40,299
3 Constructing a bridge across Cauvery river in Ayyampet-Ganacathy Agraharam road—Estimate cost Rs. 3,50,000—Central Road Fund, Tanjore Division.	49,557	68,087	1,14,211	1,82,295
4 Completing the construction of a bridge across Kaduvayur in Vadakkupoyar village limits—Estimate cost Rs. 2,75,000—Nagapattinam Division.	1,18,311	1,13,311	94,428	2,07,731
5 Constructing a bridge at M. 8/1 of Sivakasi Kalugumalai—Estimate cost Rs. 3,00,000—Ramanathapuram Division.	614	614	..	614
6 Constructing a bridge at M. 4/2 of Sattur Nenmeni road—Estimate cost Rs. 2,25,000—Ramanathapuram Division.	1,164	1,164	..	1,164
7 Constructing a bridge across Thambarapanni at Mukkali—Estimate cost Rs. 7,70,000—Tirunelveli Division.	1,78,295	5,65,093	..	5,65,093
8 Constructing a causeway across Thambarapanni near Melasewal—Estimate cost Rs. 1,70,000—Tirunelveli Division.	..	..	20,460	20,460
9 Constructing a causeway across Thambarapanni between Melanatham Karupandurai—Estimate cost Rs. 1,70,000—Tirunelveli Division.	..	..	18,900	18,900
10 Constructing a submersible bridge at M. 8/1 of Sivakasi Kalugumalai—Estimate cost Rs. 3,80,000—Sattur special Division.	7,099	7,099	58,725	60,825
11 Constructing a submersible bridge at M. 14/2-3 of Sattur Nenmeni road—Estimate cost Rs. 3,20,000—Sattur Special Division.	3,080	3,080	66,013	69,093
12 Constructing a causeway at M. 7/1 of Ettayapuram Aruppukottai road—Estimate Rs. 6,60,000—Tirunelveli Division.	557	557	61,141	61,698
13 Constructing a bridge across river Cauveri between Erode and Pallipalayam—Estimate cost Rs. 11,00,000—Erode Division.	..	..	..	..
14 Constructing a bridge across Vasistana-thi at Athur—Estimate cost Rs. 1,57,000—Salem Division.	4,366	4,366	20,534	24,900
15 Constructing a bridge across Sarabanga river at M. 0/8 of Komarapalayam road—Estimate cost Rs. 1,31,000—Salem Division.	..	..	2,417	2,417

II. CEMENT CONCRETE AND BLACK-TOP WORKS.

1 Block-topping Sirkali to Tirumalivasal road—Estimate cost Rs. 1,20,900—Central Road Fund Nagapattinam.	..	..	19,800	19,800
2 Block-topping Sirkali to Tiruvengadu road—Estimate cost Rs. 1,79,000—Central Road Fund, Nagapattinam Division.	..	..	49,256	49,256

ANNEXURE 22—cont.

i) Review of works costing over Rs. 1 lakh in progress during 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and Division).	Expenditure during the year 1st April to 31st October 1956.	Expenditure to end of 31st October 1956.	Expenditure 1st November 1956 to 31st March 1957.	Expenditure to end of 31st March 1957.
(1)	(2)	(3)	(4)	(5)
RS.	RS.	RS.	RS.	RS.
B. DISTRICT BOARD WORKS—cont.				
III. NEW FORMATIONS.				
1 Forming a road from Uthiarkosamangal to Sikkal—Estimate cost Rs. 1,17,000—Ramanathapuram Division.	50,523	50,523	31,895	82,418
2 Forming a road from Kollipatti to Osanathu—Estimate cost Rs. 1,09,800—Tirunelveli Division.	5,969	74,749	18,164	87,918
3 Forming a road from Anjugramam to Ovari—Estimate Rs. 3,00,000—Tirunelveli Division.	17,091	1,96,298	40,313	2,36,614
4 Forming a road from Karivalam Vandanalur to Pamaraiyur including construction of culverts—Estimate cost Rs. 1,14,000—Tirunelveli Division.	..	..	6,900	6,900
5 Forming Rajasingamangalam Elayangudi road—Estimate cost Rs. 2,40,000—Ramanathapuram Division.	..	..	2,57,095	2,57,095
6 Forming a road from Elayirampanni to Guhanparai—Estimate cost Rs. 1,12,200—Ramanathapuram Division.	..	..	74,539	74,539
IV. IMPROVEMENTS AND SPECIAL REPAIRS.				
1 Improvement to road from Palayamkottai to Nagalapuram—Estimate cost Rs. 1,20,000—Tirunelveli Division.	71	16,771	6,000	22,771
2 Upgrading Karambakudi-Regunathapuram road—Estimate cost Rs. 1,30,000—Tiruchirappalli Division.	..	..	23,212	23,212
3 Widening Pudukottai—Embal road—Estimate cost Rs. 1,05,000—Tiruchirappalli Division.	..	..	17,365	17,365

(ii) Review of works costing over Rs. 1 lakh each completed during the year 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957.)

Serial number, name of works and estimate cost (classification and division).	Expenditure during the period.	Expenditure to end of the period.	Remarks.
(1)	(2)	(3)	(4)
RS.	RS.	RS.	
A. GOVERNMENT ROADS.			
I. BRIDGES, CULVERTS AND CAUSEWAYS.			
<i>From 1st April to 31st October 1956.</i>			
1 Constructing a submersible bridge across Gadlam river at M. 110/2 of Vikravandy-Lower Anicut road. Estimate cost Rs. 2,61,000 (Central Road Fund)—Villupuram Division.	48,352	2,42,100	Work completed on 30-9-56. Opened for traffic
2 Constructing a bridge at M. 27/5 of Tirumushi Satyavedu road—Estimate cost Rs. 2,86,000 Road Development Scheme—Chingleput Division.	56,078	2,53,387	Work completed. Opened for traffic on 26-7-56.
3 Reconstructing the bridge at M. 15/3 of Cuddalore Vridhachalam road—Estimate cost Rs. 3,00,000 Ex. Post war Road Development—Villupuram Division.	53,192	2,75,395	..
4 Constructing a bridge at M. 66/7 of Chundale Mysore Frontier road—Estimate cost Rs. 1,69,000—Kozhikode Division.	1,149	2,16,128	..
5 Constructing a bridge across Payaswami river at M. 52/8 of Kalacka Kanhangad road—Estimate cost Rs. 10,00,000—Mangalore Division.	10,914	11,51,874	..
6 Reconstructing Kalmady bridge at M. 0/4 of Malpe Udupi Karkal road—Estimate cost Rs. 1,40,000—Mangalore Division.	(-)-144	2,75,389	..
7 Reconstructing the Shirur bridge at M. 79/7 of Mangalore Baindur coast road—Estimate cost Rs. 1,40,000—Mangalore Division.	..	1,18,922	..
8 Reconstructing the bridge across Swarnanadhy at M. 13/2 of Hiriadka Hebri road—Estimate Rs. 4,00,000—Mangalore Division.	59	5,62,914	..

From 1st November 1956 to 31st March 1957.

Nil.

ANNEXURE 22—cont.

(ii) Review of works costing over Rs. 1 lakh each completed during the year 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the period.	Expenditure to end of period.	Remarks.
(1)	(2)	(3)	(4)
	RS.	RS.	

A. GOVERNMENT ROADS—cont.

II. CEMENT CONCRETE AND BLACK-TOP WORKS.

From 1st April to 31st October 1956.

1 Cement concreting Pudukottai Tiruchy road M. 23/4 to 3316—Estimate cost Rs. 2,72,000—Tiruchirappalli Division.	1,07,746	1,97,352	..
2 Providing seal coat in Banares Cape Comorin road M. 363/8 to 431/7—Estimate cost Rs. 1,17,800—Tirunelveli Division.	21,379	95,513	..
3 Providing Black-top surface to M. 8/6 to 10/0 of Calicut Cannanore road—Estimate Cost Rs. 9,38,400—Kozhikode Special Division.	47,632	2,14,197	..

From 1st November 1956 to 31st March 1957.

1 Providing seal coat in M. 152/0 to 240/2 of Great Southern Trunk road—Estimate cost Rs. 2,53,000—Tiruchirappalli Division.	99,322	2,14,193	..
2 Black-topping in M. 241/0 to 257/0 of Madras Tiruchirappalli Dindigul road—Estimate cost Rs. 1,63,000—Madurai Division.	27,673	1,50,766	..
3 Providing seal coat over the existing black-topping in M. 261/0 to 324/7 of Great Southern Trunk Road N.H. 7—Estimate cost Rs. 1,44,800 Madurai Division.	84,518	1,26,917	..
4 Cement concreting Madurai-Melur road—M. 6/6 to 10/2—Estimate cost Rs. 3,78,000—Madurai Division.	1,98,209	3,37,860	..
5 Cement concreting Periakulam Kumili road M. 7/0 to 9/0—Estimate cost Rs. 1,95,000—Madurai Division.	1,11,637	1,31,657	..
6 Widening the existing black-top surface in M. 70/0 to 78/0 and M. 87/12 to 100/2 in Ranipet Krishnagiri road—Job No. 1320 MD 46—Estimate cost Rs. 2,70,000—North Arcot Division.	11,834	2,56,506	..

III. NEW FORMATION.

From 1st April to 31st October 1956.

Nil.

From 1st November 1956 to 31st March 1957.

1 Forming and metalling Kovalam-Mahabalipuram road—Estimate cost Rs. 8,49,900—Development Schemes—Chingleput Division.	1,63,571	3,36,421	..
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ANNEXURE 22—cont.

(ii) Review of works costing over Rs. 1 lakh each completed during the year 1956-57 (1st April to 31st October 1956 and 1st November 1956 to 31st March 1957)—cont.

Serial number, name of works and estimate cost (classification and division).	Expenditure during the period.	Expenditure to end of the period.	Remarks.
(1)	(2)	(3)	(4)
	RS.	RS.	

A. GOVERNMENT ROADS—cont.

IV. IMPROVEMENTS AND SPECIAL REPAIRS.

From 1st April to 31st October 1956.

1 Improvements to Madras Tiruchirappalli Dindigul road. M. 7/5 to 16/2.—Estimate Cost Rs. 15,00,000—Development Schemes—Chingleput Division.	24,443	15,31,078	....
2 Upgrading by metalling and Black-topping M. 15/0 to 20/0 of Calicut Cannanore road—Estimate cost Rs. 1,94,000—Kozhikode Special Division.	18,584	1,68,987	...

From 1st November 1956 to 31st March 1957.

1 Widening the existing Water Bound Macadam surface and providing Black-top in M. 181 to 186 and M. 203 to 215 of Great Southern Trunk road—Estimate cost Rs. 1,75,800—Tiruchirappalli Division.	1,63,195	1,80,116	....
2 Improvements to Madurai Kumili road (via) Theni—Estimate cost Rs. 3,54,800—Madurai Division.	32,875	3,00,533	....
3 Improvements to road from Puthalam to Eathamully.—Nagercoil Division.	2,606	88,030	....
4 Improving and metalling Ponneri Pulicat road.—Estimate cost Rs. 7,01,300—Chingleput Division.—Development Scheme.	43,015	6,41,084	....

B. DISTRICT BOARD WORKS.

I. BRIDGES, CULVERTS AND CAUSEWAYS.

From 1st April to 31st October 1956.

1 Constructing a bridge across Karamanar near Manapad—Estimate cost Rs. 3,56,000—Tirunelveli Division.	71,613	2,76,485	....
2 Constructing a causeway across Ponniar near Melpattambakkam—Estimate Rs. 5,44,000—Central Road Fund—Villupuram Spl. Division.	1,06,853	4,50,103	Work completed and opened for traffic on 5-7-56.

From 1st November 1956 to 31st March 1957.

1 Constructing bridge in M. 8/1 of Thumbal Puthragoundampalayam road—Estimate cost Rs. 1,29,000—Salem Division.	23,471	1,28,082	....
2 Constructing a bridge across Thambara-parani at Mukkani—Estimate cost Rs. 7,70,000—Tirunelveli Division.	1,51,959	3,30,254	....

II. CEMENT-CONCRETE AND BLACK-TOP WORKS.

From 1st April to 31st October 1956.

Nil

From 1st November 1956 to 31st March 1957.

Nil

III. NEW FORMATIONS.

From 1st April to 31st October 1956.

1 Forming and gravelling road from Tuticorin to Tiruchendur—Estimate Rs. 6,60,000—Tirunelveli Division.	1,632	4,33,161	
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From 1st November 1956 to 31st March 1957.

Nil.

IV. IMPROVEMENTS AND SPECIAL REPAIRS.

From 1st April to 31st October 1956.

Nil

From 1st November 1956 to 31st March 1957.

1 Metalling illegal Chellam palayam road M. 24/0 to 34/3—Estimate cost Rs. 1,00,000—Erode Division.	31,127	1,0,000	...
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ANNEXURE 23.

(i) Review of works costing less than Rs. 1 lakh each in progress from 1st April to 31st October 1956.

Serial number, name of circle and division.	Government works.				District Board works.			
	(1)	Total number of works.	Total cost.	Total expenditure.	Remarks.	Total number of works.	Total cost.	Total expenditure.
		(2)	(3)	(4)	(5)	(6)	(7)	(8)
			RS.	RS.			RS.	RS.
I. ORIGINAL WORKS ON BRIDGES AND CULVERTS.								
<i>Madras Circle.</i>								
1 Chingleput ..	15	7,76,250	1,04,112	Work in progress.	116	20,42,400	2,19,168	Work in progress.
2 South Arcot ..	..	..	..	..	..	..	..	..
3 Tanjore ..	..	..	..	..	..	..	..	..
4 Nagapattinam ..	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..
6 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
7 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
8 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
9 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
10 Madras City ..	..	..	..	..	..	..	..	..
Total ..	15	7,76,250	1,04,112	..	122	22,31,100	2,55,762	..
<i>Tiruchirappalli Circle.</i>								
11 Tiruchirappalli ..	7	8,12,800	11,664	..	..	..	..	..
12 Madurai ..	..	..	..	..	..	..	..	..
13 Ramanathapuram ..	..	..	..	..	..	..	..	..
14 Tirunelveli ..	..	..	..	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..	..	..
16 Bodinayakanur ..	..	..	..	..	..	..	..	..
Total ..	19	4,61,608	64,400	..	26	4,61,800	34,364	..
<i>Coimbatore Circle.</i>								
16 North Arcot ..	1	75,000	5,234	..	..	..	..	..
17 Salem ..	..	..	..	..	..	..	..	..
18 Krishnagiri ..	..	..	..	..	..	..	..	..
19 Erode ..	..	..	..	..	..	..	..	..
20 Coimbatore ..	..	..	..	..	..	..	..	..
21 Ootacamund ..	..	..	..	..	..	..	..	..
22 Ranipet Special ..	..	..	..	..	..	..	..	..
23 Kollit Hills Special ..	..	..	..	..	..	..	..	..
23 Coimbatore Special ..	..	..	..	..	..	..	..	..
Total ..	29	7,12,000	1,65,670	..	156	15,72,189	2,46,312	..
<i>West Coast Circle, Cannanore.</i>								
24 Mangalore ..	3	2,39,160	2,07,372	..	..	..	..	..
25 Kozhikode ..	8	13,408	14,520	..	..	..	..	..
26 Ponnai ..	..	..	..	..	..	..	..	..
27 Mangalore (Special) ..	..	..	..	..	..	..	..	..
28 Mangalore Bridges (Special) ..	..	..	..	..	..	..	..	..
29 Kozhikode, (Special) ..	..	..	..	..	..	..	..	..
Total ..	11	8,02,568	2,21,901	..	1	29,700	272	..
Grand total ..	74	22,52,424	5,56,083	..	305	43,04,789	5,36,710	..
II. CEMENT CONCRETE AND BLACK-TOPPING.								
<i>Madras Circle.</i>								
1 Chingleput ..	..	..	..	..	..	..	..	..
2 South Arcot ..	..	..	..	..	..	..	..	..
3 Tanjore ..	..	..	..	..	..	..	..	..
4 Nagapattinam ..	1	1,00,000	18,130	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..
6 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
7 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
8 Ponnai Bridge Division ..	..	..	..	..	..	..	..	..
9 Research Station (Highways) ..	..	..	..	..	..	..	..	..
10 Madras City ..	..	..	..	..	..	..	..	..
Total ..	1	1,00,000	18,130	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>								
11 Tiruchirappalli ..	..	..	..	..	..	..	..	..
12 Madurai ..	..	..	..	..	..	..	..	..
13 Ramanathapuram ..	..	..	..	..	..	..	..	..
14 Tirunelveli ..	..	..	..	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..	..	..
16 Bodinayakanur Special Division ..	..	..	..	..	..	..	..	..
Total ..	1	25,000	..	..	..	..	..	..
<i>Coimbatore Circle.</i>								
17 North Arcot ..	..	..	..	..	..	..	..	..
18 Salem ..	..	..	..	..	..	..	..	..
19 Krishnagiri ..	..	..	..	..	..	..	..	..
20 Erode ..	..	..	..	..	..	..	..	..
21 Coimbatore ..	..	..	..	..	..	..	..	..
22 Ootacamund ..	..	..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..	..	..
24 Kollit Hills Special Division ..	..	..	..	..	..	..	..	..
25 Coimbatore Special Division ..	..	..	..	..	..	..	..	..
Total ..	6	2,86,353	71,760	..	..	..	..	..

ANNEXURE 23—cont.

(i) Review of works costing less than Rs. 1 lakh each in progress from 1st April to 31st October 1956—cont.

Serial number, name of circle and division.	Government works.			District Board works.		
	Total number of works. (2)	Total cost. (3)	Total expenditure. (4)	Remarks. (5)	Total number of works. (6)	Total cost. (7)
(1)		RS.	RS.			RS.
II. CEMENT CONCRETING AND BLACKTOPPING—cont.						
<i>West Coast Circle, Cannanore.</i>						
26 Mangalore	..	..	..	..	..	..
27 Kozhikode	..	..	..	..	..	..
28 Palghat	..	..	..	..	..	..
29 Mangalore North (Special) ..	4	1,12,504	59,771	..	..	..
30 Mangalore South (Special) ..	1	50,000	7,192	..	..	..
31 Kozhikode (Special)	..	..	..	..	..	..
Total	5	1,62,504	66,963	..	..	..
Grand total	13	5,73,856	1,56,862	..	5	72,365

III. NEW FORMATIONS.

<i>Madras Circle.</i>						
1 Chingleput	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..
3 Nagapattinam	..	..	..	..	4	46,100
4 Tanjore	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..
6 Ponnar Bridge Division ..	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..
8 Design Division	..	..	..	..	..	..
9 Highways Research Station.	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..
Total	..	..	..	..	4	46,100
<i>Tiruchirappalli Circle.</i>						
11 Tiruchirappalli	..	..	..	..	..	..
12 Madurai	..	..	..	..	..	..
13 Ramanathapuram	..	..	..	..	..	..
14 Tirunelveli	..	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..
16 Bodinayakanur Special Division.	..	..	..	..	..	..
Total	..	..	..	..	45	9,82,800
<i>Coimbatore Circle.</i>						
17 North Arcot	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..
24 Kollu Hills Special Division.	..	..	..	..	..	..
25 Coimbatore Special Division.	..	..	..	..	..	..
Total	..	..	..	..	55	5,94,030

Tiruchirappalli Circle.

11 Tiruchirappalli	15	2,33,000	44,513	..	..	..
12 Madurai	..	..	..	..	..	..
13 Ramanathapuram	3	7,43,700	61,669	..	..	..
14 Tirunelveli	..	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..
16 Bodinayakanur Special Division.	..	..	..	..	..	..
Total	45	9,82,800	1,00,132	..	..	..

Coimbatore Circle.

17 North Arcot	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..
24 Kollu Hills Special Division.	..	..	..	..	..	..
25 Coimbatore Special Division.	..	..	..	..	..	..
Total	55	5,94,030	58,999	..	..	..

West Coast Circle, Cannanore.

26 Mangalore	..	..	..	..	..	..
27 Kozhikode	1	2,337	2,337	..	15	3,88,700
28 Palghat	1	75,800	2,440	..	..	42,500
29 Mangalore Special Division.	..	..	..	..	4	3,20,000
30 Mangalore Bridge Division ..	..	..	..	..	..	..
31 Kozhikode Special Division.	13	5,10,450	1,33,266	..	..	..
Total	15	6,88,587	1,38,043	..	19	7,51,200
Grand total	15	6,88,587	1,38,043	..	124	23,73,630

ANNEXURE 23—cont.

(i) Review of works costing less than Rs. 1 lakh each in progress from 1st April to 31st October 1956—cont.

Serial number and name of circle and division.	Government works.				District Board works.			
	Total number of works.	Total cost.	Total expenditure.	Remarks.	Total number of works.	Total cost.	Total expenditure.	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		RS.	RS.			RS.	RS.	
IV. IMPROVEMENTS AND SPECIAL REPAIRS.								
Madras Circle.								
1 Chingleput	..	..	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..	..	..
3 Tanjore	2	35,000	2,868	..	16	4,45,700	1,06,837	..
4 Karaikal	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	1	16,000	5,715	..	11	50,113	9,088	..
6 Ponnar Bridge Division ..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division ..	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..	..	..
Total ..	3	51,000	14,583	..	27	4,95,813	1,16,525	..
Tiruchirappalli Circle.								
11 Tiruchirappalli	..	..	..	..	2	63,400	6,551	..
12 Madurai	4	20,500	..	..	26	4,30,000	3,48,842	..
13 Ramanathapuram	27	4,09,800	3,16,614	..	..	..	..	..
14 Tirunelveli	1	80,900	10,262	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..	..	..
16 Bodinayakanur Special Division ..	..	..	..	..	..	..	..	..
Total ..	32	5,11,350	3,26,866	..	29	4,92,400	3,55,393	..
Coimbatore Circle.								
17 North Arcot Division	..	..	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..	..	..
19 Krishnagiri	3	87,000	..	..	..	..	..	..
20 Erode	3	1,00,000	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..	..	..
24 Kollur Special Division ..	..	..	..	..	..	..	..	..
25 Coimbatore Special	..	..	..	..	..	..	..	..
Total ..	6	1,87,000	..	..	12	5,66,264	1,66,887	..

West Arcot Circle, Coimbatore.

26 Mangalore	..	..	..	..	..	..	..	..
27 Kozhikode	..	..	..	..	..	..	..	..
28 Palghat	..	..	..	..	..	..	..	..
29 Mangalore Special Division ..	..	..	..	..	..	..	..	..
30 Mangalore Bridges Division ..	..	..	..	..	..	..	..	..
31 Kozhikode Special Division ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	3	2,30,300	37,089	..
Grand total ..	41	7,49,350	3,41,449	..	71	17,86,277	6,75,894	..

H.A.R.—9A

(i) Statement showing the review of works in progress costing less than Rs. 1 lakh from 1st November 1956 to 31st March 1957.

Serial number and name of circle and division.	Government Road.				District Board Road.			
	Total number of works.	Total cost.	Total expenditure.	Remarks.	Total number of works.	Total cost.	Total expenditure.	Remarks.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I. ORIGINAL WORKS—BRIDGES AND CULVERTS.								
Madras Circle.								
1 Chingleput	2	1,40,000	27,374	..	181	68,33,090	4,22,703	..
2 South Arcot	15	7,76,250	1,04,678	..	1	82,000	..	..
3 Tanjore	..	..	..	..	10	1,63,090	31,320	..
4 Karaikal	2	83,500	15,584	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..
6 Ponnar Bridge Division ..	1	53,500	26,482	..	..	..	..	..
7 Transport and Machinery Division ..	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..	..	..
Total ..	20	10,53,250	1,74,068	..	192	60,78,150	4,52,907	..
Tiruchirappalli Circle.								
11 Tiruchirappalli	2	1,50,000	42,886	..	..	..	..	..
12 Madurai	7	3,12,800	74,274	..	3	65,050	54,980	..
13 Ramanathapuram	6	62,000	45,184	..	13	3,45,800	23,961	..
14 Tirunelveli	2	40,000	37,338	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..	..	..
16 Bodinayakanur Special Division ..	..	..	..	..	..	..	..	..
17 Nagore Division	..	..	..	..	..	..	..	..
Total ..	17	5,65,700	2,00,282	..	16	4,10,850	78,941	..

ANNEXURE 23—cont.

(i) Statement showing the review of works in progress costing less than Rs. 1 lakh from 1st November 1956 to 31st March 1957—cont.

Serial number and name of circle and division.	Government works.			District Board Roads.		
	Total number of works. (1)	Total cost. (2)	Total expenditure. (3)	Remarks. (4)	Total number of works. (5)	Total cost. (6)
Coimbatore Circle.						
18 North Arcot ..	2	95,000	31,589	....	..	..
19 Salem ..	..	..	..	....	..	..
20 Krishnagiri ..	..	..	..	....	..	..
21 Erode ..	1	32,000	10,985	....	..	..
22 Coimbatore ..	..	..	..	....	..	..
23 Ootacamund ..	8	39,129	..	....	7	1,30,980
24 Raulpet Special Division ..	..	..	..	....	4	17,504
25 Kollu Hills Special Division ..	..	..	..	....	..	..
26 Coimbatore Special Division ..	..	..	..	....	..	..
Total ..	11	1,66,129	42,574		11	1,48,404
Grand Total ..	48	17,85,997	4,16,924		309	66,37,404

I. ORIGINAL WORKS—BRIDGES AND CULVERTS—cont.

II. CEMENT-CONCRETING AND BLACKTOPPING WORKS.

Madras Circle.						
1 Chingleput ..	3	1,58,000	58,460	....	..	..
2 South Arcot ..	..	..	..	....	..	..
3 Tanjore ..	2	1,40,000	24,545	....	..	..
4 Nagapattinam ..	3	2,44,000	1,09,006	....	2	31,000
5 Coleroon Bridge Division ..	..	..	..	....	..	..
6 Ponnar Bridge Division ..	..	..	..	....	..	..
7 Transport and Machinery Division ..	..	..	..	....	..	..
8 Designs Division ..	..	..	..	....	..	..
9 Research Station (Highways) ..	..	..	..	....	..	..
10 Madras City ..	..	..	..	....	..	..
Total ..	8	5,42,000	1,92,011		2	31,000
						13,743

Tiruchirappalli Circle.

11 Tiruchirappalli ..	1	44,000	21,967	....	..	..
12 Madurai ..	1	25,000	15,000	....	..	..
13 Ramanathapuram ..	..	..	..	....	..	..
14 Tirunelveli ..	3	2,00,000	1,97,025	....	1	35,000
15 Sattur Special Division ..	..	..	..	....	..	..
16 Bodinayakanur Special Division ..	..	..	..	....	..	..
17 Nagercoil Division ..	..	..	..	....	..	..
Total ..	5	2,69,000	2,33,992		1	35,000
						1,920

Coimbatore Circle.

18 North Arcot ..	3	2,44,500	1,71,639	....	..	..
19 Salem ..	..	..	..	....	..	..
20 Krishnagiri ..	..	..	..	....	..	..
21 Erode ..	..	..	..	....	..	..
22 Coimbatore ..	..	..	..	....	..	..
23 Ootacamund ..	3	32,624	3,859	....	5	43,060
24 Raulpet Special Division ..	..	..	..	....	11	65,345
25 Kollu Hills Special Division ..	..	..	..	....	..	..
26 Coimbatore Special Division ..	..	..	..	....	..	..
Total ..	6	2,77,124	1,75,498		16	1,08,345
Grand Total ..	19	10,88,124	6,01,501		19	1,74,345
						72,402

III. NEW FORMATION.

Madras Circle.

1 Chingleput ..	..	..	..	....	..	..
2 South Arcot ..	..	..	..	....	..	..
3 Tanjore ..	..	..	..	....	15	4,45,000
4 Nagapattinam ..	..	..	..	....	2	16,450
5 Coleroon Bridge Division ..	..	..	..	....	..	..
6 Ponnar Bridge Division ..	..	..	..	....	..	..
7 Transport and Machinery Division ..	..	..	..	....	..	..
8 Designs Division ..	..	..	..	....	..	..
9 Highways Research Station ..	..	..	..	....	..	..
10 Madras City ..	..	..	..	....	..	..
Total ..	..	..	..		1	4,61,450
						1,13,861

ANNEXURE 23—cont.

(i) Statement showing the review of works in progress costing less than Rs. 1 lakh from 1st November 1956 to 31st March 1957—cont.

Serial number and name of circle and division.	Government Works.			District Board Works.		
(1)	Total number of works.	Total cost.	Total expenditure.	Total number of works.	Total cost.	Total expenditure.
(2)	(3)	(4)	(5)	(6)	(7)	(8)
(9)						
III. NEW FORMATION—cont.						
11 Tiruchirappalli ..	1	1,00,000	15,112	39	2,73,200	23,022
12 Madurai ..	..	..	..	..	..	..
13 Ramanathapuram ..	..	..	..	..	..	..
14 Tirunelveli ..	..	..	..	..	..	..
15 Sattur Special Division ..	..	..	..	30	6,84,700	64,062
16 Bodinayakanur Special Division ..	..	..	..	..	..	..
17 Nagercoil Division ..	..	..	..	..	..	..
Total ..	1	1,00,000	15,112	99	10,57,900	87,074
Coimbatore Circle.						
18 North Arcot ..	..	..	..	3	55,400	38,073
19 Salem ..	..	..	..	..	..	..
20 Krishnagiri ..	..	..	..	..	..	..
21 Erode ..	..	..	..	2	22,825	2,651
22 Coimbatore ..	..	..	..	11	31,800	22,908
23 Ootacamund ..	..	..	..	1	16,309	8,885
24 Ranipet Special Division ..	..	..	..	..	..	..
25 Kollu Hills Special Division ..	..	..	..	..	..	..
26 Coimbatore Special Division ..	..	..	..	..	..	..
Total ..	..	..	..	17	1,84,134	73,516
Grand total ..	1	1,00,000	15,112	106	17,03,434	2,74,451

IV. IMPROVEMENTS AND SPECIAL REPAIRS.

Madras Circle.						
1 Chingleput ..	4	1,28,500	35,594	..	..	..
2 South Arcot ..	..	1,80,000	83,015	..	..	..
3 Tanjore ..	6	..	..	10	64,560	10,250
4 Nagapattinam ..	3	1,41,680	51,574	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..
6 Ponnaiy Bridge Division ..	..	..	..	..	..	..
7 Transport and Machinery ..	..	..	..	..	..	..
8 Deigns Division ..	..	..	..	..	..	..
9 Highways Research Station ..	..	..	..	..	..	..
10 Madras City ..	..	..	..	..	..	..
Total ..	13	4,54,180	1,71,238	10	64,560	18,250
Tiruchirappalli Circle.						
11 Tiruchirappalli ..	2	44,200	22,001	2	1,35,000	75,585
12 Madurai ..	4	20,800	15,027	..	..	..
13 Ramanathapuram ..	24	2,76,830	2,43,807	33	3,24,000	15,630
14 Tirunelveli ..	1	3,000	2,399	..	..	..
15 Sattur Special Division ..	..	..	..	..	..	..
16 Bodinayakanur Special Division ..	..	..	..	..	..	..
17 Nagercoil Division ..	..	..	..	..	..	..
Total ..	31	3,44,030	2,83,234	35	4,59,000	91,172
Coimbatore Circle.						
18 North Arcot ..	..	..	..	..	..	..
19 Salem ..	..	..	..	..	..	..
20 Krishnagiri ..	..	..	..	..	..	..
21 Erode ..	1	50,000	38,317	..	..	..
22 Coimbatore ..	..	..	..	..	..	..
23 Ootacamund ..	..	..	..	..	..	..
24 Ranipet (Special) Division ..	..	..	..	..	..	..
25 Kollu Hills (Special) Division ..	..	..	..	..	..	..
26 Coimbatore (Special) Division ..	..	..	..	..	..	..
Total ..	1	50,000	38,317	16	6,37,477	1,28,051
Grand Total ..	45	8,48,810	4,92,814	61	12,11,087	2,38,085

ANNEXURE 23—cont.

(ii) Review of works costing less than Rs. 1 lakh each completed during the year 1956-57 (1st April to 31st October 1956).

Serial number and name of circle and division.	Government Works.				District Board Works.			
	Total number of works. (2)	Total cost. (3) Rs.	Total expenditure. (4) Rs.	Remarks. (5)	Total number of works. (6)	Total cost. (7) Rs.	Total expenditure. (8) Rs.	Remarks. (9)
I. BRIDGES, CULVERTS AND CAUSEWAYS.								
<i>Madras Circle.</i>								
1 Chingleput	..	..	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..	..	..
3 Nagapattinam	..	..	..	..	..	..	..	..
4 Tanjore	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..
6 Ponnar Bridge Division ..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>								
10 Tiruchirappalli	..	..	..	..	..	..	..	..
11 Madurai	..	..	..	..	..	..	..	..
12 Ramanathapuram	10	35,350	32,692	..	..	..	..	..
13 Tirunelveli	..	..	..	..	7	48,700	852	..
14 Bodinayakanur	..	..	..	..	..	..	..	..
15 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..
16 Sattur Special Division ..	..	..	..	..	..	..	..	..
<i>Coimbatore Circle.</i>								
17 North Arcot	..	..	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..	..	..
24 Kolli Hills Division	..	..	..	..	..	..	..	..
25 Coimbatore Special Division	..	..	..	..	..	..	..	..

West Coast Circle, Cannanore.

26 Mangalore	..	..	..	..	..	..	..	..	..
27 Ponnani	..	..	..	..	..	..	..	..	..
28 Kozhikode	..	..	..	..	..	..	..	..	..
29 Mangalore Special (South).	..	..	..	..	..	..	..	..	..
30 Mangalore Special (North).	..	..	..	..	..	..	..	..	..
31 Kozhikode (Special)	..	..	..	..	..	..	..	..	..
Total	10	..	85,350	33,692	..	7	48,700	852	..

Madras Circle.

1 Chingleput	..	..	..	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..	..	..	..
3 Nagapattinam	..	..	..	..	..	..	..	..	..
4 Tanjore	..	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..	..
6 Ponnar Bridge Division ..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..	..	..	..

Tiruchirappalli Circle.

10 Tiruchirappalli	..	..	..	..	..	..	..	..	..
11 Madurai	..	..	..	..	..	..	..	..	..
12 Ramanathapuram	..	..	..	..	..	..	..	..	..
13 Tirunelveli	..	..	..	..	..	..	..	..	..
14 Bodinayakanur	..	..	..	..	..	..	..	..	..
15 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..	..
16 Sattur Special Division ..	..	..	..	..	..	..	..	..	..

Coimbatore Circle.

17 North Arcot	..	..	..	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..	..	..	..
24 Kolli Hills Division	..	..	..	..	..	..	..	..	..
25 Coimbatore Special Division.	..	..	..	..	..	..	..	..	..

West Coast Circle, Cannanore.

26 Mangalore	..	..	..	..	..	..	..	..	..
27 Ponnani	..	..	..	..	..	..	..	..	..
28 Kozhikode	..	..	..	..	..	..	..	..	..
29 Mangalore Special (South)	..	..	..	..	..	..	..	..	..
30 Mangalore Special (North)	..	..	..	..	..	..	..	..	..
31 Kozhikode (Special)	..	..	..	..	..	..	..	..	..

ANNEXURE 23—cont.

(ii) Review of works costing less than Rs. 1 lakh each completed during the year 1956-57 (1st April to 31st October 1956)—cont.

Serial number and name of circle or division.	Government works.				District Board Works.			
	Total number of works. (3)	Total cost. (3) RS.	Total expenditure. (4) RS.	Remarks. (5)	Total number of works. (6)	Total cost. (7) RS.	Total expenditure. (8) RS.	Remarks. (9)
III. NEW FORMATION.								
<i>Madras Circle.</i>								
1 Chingleput	..	..	..		..	..	..	
2 South Arcot	..	..	..		..	..	..	
3 Nagapattinam	..	..	..		..	..	..	
4 Tanjore	..	..	..		..	..	..	
5 Coleroon Bridge Division	..	..	..		..	..	..	
6 Ponnaiar Bridge Division	..	..	..		..	..	..	
7 Transport and Machinery Division.	..	..	..		..	..	..	
8 Designs Division	..	..	..		..	..	..	
9 Research Station (Highways)	..	..	..		..	..	..	
<i>Tiruchirappalli Circle.</i>								
10 Tiruchirappalli	..	..	..		..	..	..	
11 Madurai	..	..	..		..	..	..	
12 Ramanathapuram	..	..	..		..	..	..	
13 Tirunelveli	..	..	..		..	..	..	
14 Bodinayakanur	..	..	..		..	..	..	
15 Cauvery Bridge Division	..	..	..		..	..	..	
16 Sattur Special Division	..	..	..		5	1,30,200	28,012	....
<i>Coimbatore Circle.</i>								
17 North Arcot	..	..	..		..	..	..	
18 Salem	..	..	..		..	..	..	
19 Krishnagiri	..	..	..		..	..	..	
20 Erode	..	..	..		..	..	..	
21 Coimbatore	..	..	..		..	..	..	
22 Ootacamund	..	..	..		..	..	..	
23 Ranipet Special Division	..	..	..		..	..	..	
24 Kolli Hills Division	..	..	..		..	..	..	
25 Coimbatore Special Division	..	..	..		..	..	..	
<i>West Coast Circle, Cannanore.</i>								
26 Mangalore	..	..	..		..	..	..	
27 Palghat	..	..	..		..	..	..	
28 Kozhikode	..	..	..		..	..	..	
29 Mangalore Special (South)	..	..	..		..	..	..	
30 Mangalore Special (North)	..	..	..		..	..	..	
31 Kozhikode (Special)	..	..	..		..	..	..	
					5	1,30,200	28,012	

IV. IMPROVEMENTS AND SPECIAL REPAIRS.

<i>Madras Circle.</i>								
1 Chingleput ..	..	..	..	..	..	..	..	..
2 South Arcot ..	..	..	..	..	..	..	..	..
3 Nagapattinam ..	..	..	..	..	..	..	..	..
4 Tanjore ..	..	..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..	..	..
6 Ponnaiar Bridge Division ..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division ..	..	..	..	..	..	..	..	..
8 Designs Division ..	..	..	..	..	..	..	..	..
9 Research Station (Highways) ..	..	..	..	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>								
10 Tiruchirappalli ..	..	..	..	..	..	..	..	..
11 Madurai ..	..	..	..	..	..	..	..	..
12 Ramanathapuram ..	3	36,200	33,928	..	..	..	..	..
13 Tirunelveli ..	..	..	..	..	2	8,000	2,459	..
14 Bodinayakanur ..	..	..	..	..	..	..	..	..
15 Cauvery Bridge Division ..	..	..	..	..	..	..	..	..
16 Sattur Special Division ..	..	..	..	..	..	..	..	..
<i>Coimbatore Circle.</i>								
17 North Arcot ..	..	..	..	..	..	..	..	..
18 Salem ..	..	..	..	..	..	..	..	..
19 Krishnagiri ..	..	..	..	..	..	..	..	..
20 Erode ..	..	..	..	..	..	..	..	..
21 Coimbatore ..	..	..	..	..	..	..	..	..
22 Ootacamund ..	..	..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..	..	..
24 Kolli Hills Division ..	..	..	..	..	..	..	..	..
25 Coimbatore Special Division ..	..	..	..	..	..	..	..	..
<i>West Coast Circle, Cannanore.</i>								
26 Mangalore ..	..	..	..	..	..	..	..	..
27 Palghat ..	..	..	..	..	..	..	..	..
28 Kozhikode ..	..	..	..	..	..	..	..	..
29 Mangalore Special (South) ..	..	..	..	..	..	..	..	..
30 Mangalore Special (North) ..	..	..	..	..	..	..	..	..
31 Kozhikode (Special) ..	..	..	..	..	..	..	..	..
	8	36,200	33,928	..	2	8,000	2,459	..

ANNEXURE 23—cont.

(ii) Review of works costing less than Rs. 1 lakh each completed during the year 1956-57 (1st November 1956 to 31st March 1957.)

Serial number and name of circle or division.	Government works.			District Board works.		
	Total number of works. (2)	Total cost. (3) Rs.	Total expenditure. (4) Rs.	Remarks. (5)	Total number of works. (6)	Total expenditure. (7) Rs.
I. BRIDGES AND CULVERTS.						
Madras Circle.						
1 Chingleput	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..
3 Nagapattinam	..	..	..	..	..	..
4 Tanjore	..	..	..	..	..	..
5 Coleroon Bridges Division	..	..	..	..	..	..
6 Ponnalar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery Division	..	..	..	..	..	..
8 Design Division	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
Tiruchirappalli Circle.						
10 Tiruchirappalli	..	..	..	..	..	..
11 Madurai	8	92,000	81,692	..	9	8,450
12 Ramanathapuram	2	2,950	1,043	..	7	48,700
13 Tirunelveli	1	21,490	88,544	..	..	..
14 Bodinayakanur	..	..	..	..	..	..
15 Cauvery Bridge Division	..	..	..	..	..	..
16 Sattur Special Division	..	..	..	..	..	..
16 (A) Nagercoil	..	..	..	..	..	..
Coimbatore Circle.						
17 North Arcot	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	1	2,572
22 Ootacamund	..	..	..	..	..	..
23 Ranipet Special Division	..	..	..	..	..	..
24 Koll Hills Division	..	..	..	..	..	..
25 Coimbatore Special Division	..	..	..	..	..	..
West Coast Circle Cannanore.						
26 Mangalore	..	..	..	..	..	..
27 Palghat	..	..	..	..	..	..
28 Kozhikode	..	..	..	..	..	..
29 Mangalore Special Division (South).	..	..	..	..	..	..
30 Mangalore Special Division (North).	..	..	..	..	..	..
31 Kozhikode Special Division	..	..	..	..	..	..
	11	1,17,040	72,279	..	10	54,722
						41,906

II. CEMENT CONCRETING AND BLACK-TOPPING.

Madras Circle.						
1 Chingleput	..	..	..	..	..	..
2 South Arcot	..	..	..	..	..	..
3 Nagapattinam	..	..	..	..	..	..
4 Tanjore	..	..	..	..	..	..
5 Coleroon Bridge Division	..	..	..	..	..	..
6 Ponnalar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery Division	..	..	..	..	..	..
8 Design Division	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
Tiruchirappalli Circle.						
10 Tiruchirappalli	..	..	..	..	..	..
11 Madurai	2	1,41,500	30,476	..	..	..
12 Ramanathapuram	..	..	..	..	..	..
13 Tirunelveli	..	..	..	..	..	..
14 Bodinayakanur	..	..	..	..	..	..
15 Cauvery Bridge Division	..	..	..	..	..	..
16 Sattur Special Division	..	..	..	..	..	..
16 (A) Nagercoil	..	..	..	..	..	..
Coimbatore Circle.						
17 North Arcot	..	..	..	..	..	..
18 Salem	..	..	..	..	..	..
19 Krishnagiri	..	..	..	..	..	..
20 Erode	..	..	..	..	..	..
21 Coimbatore	..	..	..	..	..	..
22 Ootacamund	..	..	..	..	..	..
23 Ranipet Special Division	..	..	..	..	..	..
24 Koll Hills Division	..	..	..	..	..	..
25 Coimbatore Special Division	..	..	..	..	..	..
West Coast Circle, Cannanore.						
26 Mangalore	..	..	..	..	..	..
27 Palghat	..	..	..	..	..	..
28 Kozhikode	..	..	..	..	..	..
29 Mangalore special Division (South).	..	..	..	..	..	..
30 Mangalore Special Division (North).	..	..	..	..	..	..
31 Kozhikode Special Division	..	..	..	..	..	..
	2	1,41,500	30,476	..	5	43,000
						19,017
						19,017

ANNEXURE 23—cont.

(ii) Review of works costing less than Rs. 1 lakh each completed during the year 1956-57 (1st November 1956 to 31st March 1957)—cont.

Serial number and name of circle or divisions.	Government Works.			District Board Works.		
(1)	Total number of works. (2)	Total cost. (3) Rs.	Total expenditure. (4) Rs.	Remarks. (5)	Total number of works. (6)	Total cost. (7) Rs.
III. NEW FORMATIONS.						
<i>Madras Circle.</i>						
1 Chingleput ..	..	..	..	..	..	..
2 South Arcot ..	..	..	..	..	..	..
3 Nagapattinam ..	..	..	..	..	..	..
4 Tanjore ..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..
6 Ponnaiyar Bridge Division ..	..	..	..	..	..	..
7 Transport and Machinery ..	..	..	..	..	..	..
8 Design Division ..	..	..	..	..	..	..
9 Research Station (Highways) ..	..	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>						
10 Tiruchirappalli ..	..	..	..	..	7	93,200
11 Madurai ..	..	..	..	..	..	21,619
12 Ramanathapuram ..	..	..	..	..	..	..
13 Tirunelveli ..	1	99,000	6,722	..	5	1,49,800
14 Bodnayakanur ..	..	..	..	..	..	24,706
15 Cauvery Bridge Division ..	..	..	..	..	..	..
16 Sattur Special Division ..	..	..	..	..	..	..
16-A Nagercoil ..	..	..	..	..	..	..
<i>Coimbatore Circle.</i>						
17 North Arcot ..	..	..	..	..	..	..
18 Salem ..	..	..	..	..	..	..
19 Krishnagiri ..	..	..	..	..	1	9,000
20 Erode ..	..	..	..	..	4	16,500
21 Coimbatore ..	..	..	..	..	..	..
22 Ootacamund ..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..
24 Kollu Hills Division ..	..	..	..	..	..	..
25 Coimbatore Special Division ..	..	..	..	..	..	..
<i>West Coast Circle, Cannanore.</i>						
26 Mangalore ..	..	..	..	..	..	..
27 Palghat ..	..	..	..	..	..	..
28 Kozhikode ..	..	..	..	..	..	..
29 Mangalore Special Division ..	..	..	..	..	..	..
30 Mangalore Special Division (South) ..	..	..	..	..	..	..
31 Kozhikode Special Division (North) ..	..	..	..	..	..	..
Total ..	1	99,000	6,722	..	17	2,68,500
						54,301

IV. IMPROVEMENTS AND REPAIRS.

<i>Madras Circle.</i>						
1 Chingleput ..	..	..	..	..	..	..
2 South Arcot ..	..	..	..	..	..	..
3 Nagapattinam ..	..	..	..	..	..	..
4 Tanjore ..	..	..	..	..	..	..
5 Coleroon Bridge Division ..	..	..	..	..	..	..
6 Ponnaiyar Bridge Division ..	..	..	..	..	..	..
7 Transport and Machinery ..	..	..	..	..	..	..
8 Design Division ..	..	..	..	..	..	..
9 Research Station (Highways) ..	..	..	..	..	..	..
<i>Tiruchirappalli Circle.</i>						
10 Tiruchirappalli ..	..	..	..	..	..	..
11 Madurai ..	1	98,000	16,696	..	..	2,100
12 Ramanathapuram ..	6	37,400	..	..	2	5,870
13 Tirunelveli ..	1	17,828	24,063	..	..	..
14 Bodnayakanur ..	..	..	..	..	..	..
15 Cauvery Bridge Division ..	..	..	..	..	..	..
16 Sattur Special Division ..	..	..	..	..	..	..
16A Nagercoil ..	..	..	..	..	..	..
<i>Coimbatore Circle.</i>						
17 North Arcot ..	..	..	..	..	..	..
18 Salem ..	..	..	..	..	..	..
19 Krishnagiri ..	..	..	..	..	..	..
20 Erode ..	..	..	..	..	10	5,75,700
21 Coimbatore ..	..	..	..	..	..	..
22 Ootacamund ..	..	..	..	..	..	..
23 Ranipet Special Division ..	..	..	..	..	..	..
24 Kollu Hills Division ..	..	..	..	..	..	..
25 Coimbatore Special Division ..	..	..	..	..	..	..
<i>West Coast Circle, Cannanore.</i>						
26 Mangalore ..	..	..	..	..	..	..
27 Palghat ..	..	..	..	..	..	..
28 Kozhikode ..	..	..	..	..	..	..
29 Mangalore Special Division ..	..	..	..	..	..	..
30 Mangalore Special Division (South) ..	..	..	..	..	..	..
31 Kozhikode Special Division (North) ..	..	..	..	..	..	..
Total ..	8	1,53,228	40,764	..	14	6,05,700
						1,20,710

ANNEXURE 24.

Statement showing the quantities of materials used, etc.

Serial number and materials.	Brought forward from the previous year.		Purchased during the year.		Utilized on works during the year.		Balance on hand.	
	Quantity. (2)	Cost. (3) RS. IN LAKHS.	Quantity. (4)	Cost. (5) RS. IN LAKHS.	Quantity. (6)	Cost. (7) RS. IN LAKHS.	Quantity. (8)	Cost. (9) RS. IN LAKHS.
1 Steel (in tons)	..	1005.260	1448.069	10.455	917.685	6.262	1435.640	9.767
2 Cement (tons)	..	1375.863	8012.810	7.895	6271.930	6.295	3116.743	3.170
3 Bitumen (tons)	..	6718.505	9685.851	33.143	6757.415	29.912	9646.941	26.831
4 Oils (in gallons)	..	537.250	52222.250	1.332	51304.250	1.121	1455.250	0.335
5 Fuel oils (in gallons.)	..	1348.500	17784.250	0.284	17503.250	0.282	1629.500	0.040
6 Coal (in tons)	..	159.120	322.850	0.139	288.920	0.135	193.050	0.055
7 Timber (R. ft.)	..	49.812	1298.250	0.054	932.250	0.042	415.812	0.014
8 Hume pipes	..	867	707	0.104	407.00	0.054	1167.000	0.433
9 Other materials (in cost)	..	..	..	6.669	..	6.127	..	7.060

ANNEXURE 25.

Inventory of Plant and Machinery as on 31st October 1956.

Serial number, name of plant and machinery.	Number available.	Serial number, name of plant and machinery.	Number available.
TIRUCHIRAPPALLI CIRCLE.			
<i>Tirushirappalli.</i>		<i>Madurai.</i>	
1 Rollers	22	1 Rollers	40
2 Lorries	10	2 Lorries	14
3 Grader	1	3 Grader	1
4 Jeep	1	4 Jeeps	3
5 Pump sets	5	5 Pump sets	2
6 Heat master	5	6 Heat masters	10
7 Tar boilers	18	7 Tar boilers	8
8 Vibrators	4	8 Vibrators	4
9 Cement concrete mixers	3	9 Cement concrete mixers	5
10 Asphalt mixer	1	10 Air compressor	1
11 Hot mix plant	1	11 Land Rover	1
		12 Pegson cold mix plant	1
		13 Millers Hot mix plant	1
<i>Ramanathapuram.</i>		<i>Tirunelveli.</i>	
1 Rollers	21	1 Rollers	22
2 Lorries	7	2 Lorries	3
3 Jeeps	3	3 Graders	2
4 Pumpset	1	4 Pump set	1
5 Heat masters	17	5 Heat masters	9
6 Tar boilers	2	6 Cement concrete mixers	1
7 Vibrator	1	7 Welding set	1
8 Cement concrete mixer	3	8 Mixall plant	1
9 Asphalt mixer	1		
10 Barrow mixers	5	<i>Sattur Special Division.</i>	
11 Air compressors	2	1 Pump sets	2
12 Battery charges	1	2 Vibrators	3
13 Drum mixers	68	3 Cement concrete mixers	2
14 Water Carts (for Gang)	4	4 Air Compressors	3
15 Two men hand pumps	5	5 Helms	5
		6 Rippers	3
		7 Pneumatic Drills	2
<i>Bodinayakanur Special Division.</i>			
1 Jeep with trailer	1		
MADRAS CIRCLE.			
<i>Chingleput Division.</i>		<i>Tanjore Division.</i>	
1 Asphalt mixer	3	1 Asphalt mixer	1
	(Hot mix)	2 Bitumen boilers	13
2 Bitumen boiler	18	3 Stone crusher	1
3 Concrete mixer	2	4 Concrete mixers	3
4 Bull dozer	2	5 Grader	1
5 Graders	2	6 Hand drum mixer	20
6 Jeep and vans	3	7 Hand pumps	5
7 Lorries	6	8 Jeeps and vans	2
8 Power pump	2	9 Water carts	7
9 Rollers	21	10 Heat master	2
10 Screed vibrator	4	11 Trailer wagon carts	10
11 Drum mixers	68	12 Water tanks	2
12 Tractor	7		
		<i>Nagapattinam Division.</i>	
		1 Asphalt mixer	1
<i>South Arcot Division.</i>			(Hot mix)
1 Asphalt mixer	1	2 Bitumen boiler	4
2 Bitumen boiler	24	3 Concrete mixer	3
3 Stone crusher	1	4 Graders	1
4 Concrete mixer	6	5 Hand pumps	4
5 Hand drum mixer	99	6 Jeep and van	1
6 Jeeps and vans	2	7 Lorry	1
7 Lorries	4+1	8 Roller	16
8 Rollers	28	9 Drum mixers	31
9 Screed vibrators	4	10 Boring tool	4
10 Diesel engines	3	11 Tractors	2
11 Tractors	2	12 Heat master	1
12 Water cart	10	13 Heat sprayer	1

ANNEXURE 25—cont.

Inventory of Plant and Machinery as on 31st October 1956—cont.

Serial number, name of plant and machinery.	Number available.	Serial number, name of plant and machinery.	Number available.
MADRAS CIRCLE—cont.			
<i>Villupuram Special Division.</i>		<i>Transport and Machinery Division—cont.</i>	
1 Grab	3	29 Avery compression Testing machines	14
2 Immersion vibrator	1	30 Gunneting machine	1
3 Welding set	1	31 Water jetting equipment	1
4 Heat Master	5	32 Pavement breaker	1
5 Heat sprayer	6	33 Ways Impactor.. .. .	1
6 Wheel barrows	8	34 Trailer grader	2
<i>Transport and Machinery Division.</i>		<i>Sirkali Special Division.</i>	
1 Bitumen boilers	14	1 Air compressor	1
2 Break down lorry	2	2 Concrete mixer	3
3 Stone crusher	1	3 Colorate mixer	1
4 Air compressor	1	4 Lorries	3
5 Concrete mixer	1	5 Laboratory van	1
6 Crane	2	6 Immersion vibrator	2
7 Cinema van	1	7 Welding set	1
8 Core cutting machine	1	8 Power winch	1
9 Tractor lorry	1	9 A. C. Testing machines	6
10 Graders	2		(two tons and 3 ten tons)
11 Grab	4	10 Boat (motor)	1
12 Generator	3	11 Hydraulic jacks and pumps	6 jack and 3 pumps
13 Hand-drum mixers	33	12 Vibrating table	1
14 Hand pumps	15	13 Weight batcher.. .. .	1
15 Jeep and van	2	14 Weighing machine	1
16 Lorries	7	<i>Highways Research Station.</i>	
17 Laboratory van	2	1 Grader	2
18 Pile driving set.. .. .	1	2 Lorry	1
19 Power pump	12	3 Power pumps	1
20 Roller	6	4 Roller	1
21 Seamen mixer	1	5 Tractors	3
22 Sheep foot roller	6	6 Ways impactor	1
23 Screed vibrator	1	7 Drum mixers	3
24 Tractor	2		
25 Trench roller	1		
26 Welding set	2		
27 Water Cart	1		
28 Power winch	2		

COIMBATORE CIRCLE.

<i>Coimbatore Division.</i>		<i>Salem Division—cont.</i>	
1 Rollers	19	5 Hand-drum mixers	38
2 Lorries	11	6 Concrete mixers.. .. .	1
3 Van	2	7 Vibrator (Air compressor)	2
4 Jeeps	3		
5 Heat master	16	<i>Krishnagiri Division.</i>	
6 Hand-drum mixers	55	1 Rollers	15
7 Concrete mixers	3	2 Lorries	3
8 Hot mix plant	1	3 Jeeps	1
<i>Erode Division.</i>		4 Heat master	11
1 Rollers	23	5 Hand-drum mixers	57
2 Grader	1	6 Concrete mixers	5
3 Jeep	1	7 Pump set (compressor)	2
4 Heat master	21		
5 Hand-drum mixers	32	<i>Vellore Division.</i>	
6 Concrete mixers.. .. .	1	1 Lorries	3
7 Hot mix plant	1	2 Jeep	1
8 Water carts	50	3 Heat master	19
<i>Salem Division.</i>		4 Hand-drum mixers	70
1 Rollers	16	5 Concrete mixers	3
2 Lorries	4	6 Vibrator	1
3 Jeep	1		
4 Heat master	17		

ANNEXURE 25—cont.

Inventory of Plant and Machinery as on 31st October 1956—cont.

Serial number, name of plant and machinery.	Number available.	Serial number, name of plant and machinery.	Number available.
COIMBATORE CIRCLE—cont.			
<i>The Nilgiris Division.</i>		<i>Kolli Hills Division (Special)—cont.</i>	
1 Rollers	7	2 Grader	1
2 Lorries	1	3 Jeep	1
3 Jeep	1		
4 Hot mix plant	1	<i>Ranipet Special Division.</i>	
5 Tractor	1	1 Jeep	1
<i>Kolli Hills Division (Special).</i>		2 Vibrator (Air compressor)	3
1 Lorries	3	3 Pump set (compressor)	1
WEST COAST CIRCLE, CANNANORE.			
<i>Mangalore Division.</i>		<i>Kozhikode Division—cont.</i>	
1 Asphaltic mixer.. .. .	2	7 Pump sets	4
2 Bitumen boilers	14	8 Tar boiler	8
3 Stone crusher	1	9 Hand-drum mixers	24
4 Concrete mixer	4	10 Wheel barrow	1
5 Grader	1	11 Calyx core drill	1
6 Hand-drum mixer	56	<i>Palghat Division.</i>	
7 Jeeps	3	1 Lorries	7
8 Lorries	5	2 Rollers	23
9 Pump sets	3	3 Jeeps	2
10 Rollers	22	<i>Mangalore Special Division.</i>	
11 Water carts	4	1 Jeeps	2
12 Barrow mixers	15	2 Calyx drill	1
13 Hand boring sets	1	<i>Kozhikode Special Division.</i>	
<i>Kozhikode Division.</i>		1 Jeeps	2
1 Jeeps	2	2 Lorries	3
2 Lorries	4	3 Rollers	2
3 Rollers	19	4 Tar boiler	1
4 Concrete Mixers	5	5 Hand-drum mixers	4
5 Asphalt mixer	1		
6 Peter pumps	1		

Inventory of Plant and Machinery as on 31st March 1957.

TIRUCHIRAPPALLI CIRCLE.

<i>Tiruchirappalli.</i>		<i>Ramanathapuram—cont.</i>	
1 Rollers	23	14 Drum mixers	68
2 Lorries	9	15 Gang water carts	4
3 Graders	2	16 Two men hand pumps	5
4 Jeep	1	<i>Madurai Division.</i>	
5 Pump sets	5	1 Rollers	37
6 Heat masters	5	2 Lorries	13
7 Tar boilers	16	3 Grader	1
8 Vibrators	4	4 Jeeps	3
9 Concrete mixers	2	5 Heat masters	10
10 Asphalt mixer.. .. .	1	6 Tar boilers	8
11 Hot mix plant	1	7 Vibrators	4
<i>Ramanathapuram.</i>		8 Concrete mixers	3
1 Rollers	23	9 Air compressors	2
2 Lorries	3	10 Water pumps	2
3 Jeeps	2	11 Pegson cold mix plant (Asphalt)	1
4 Pump set	1	12 Millers Hot mix plant	1
5 Heat masters	17	13 Tractors	2
6 Tar boilers	2	<i>Tirunelveli.</i>	
7 Vibrator	1	1 Rollers	25
8 Asphalt mixer	1	2 Lorries	3
9 Concrete mixers	3	3 Graders	2
10 Barrow mixers	5	4 Jeeps	2
11 Air compressors	2	5 Concrete mixers	3
12 Battery charger	1	6 Air compressors	1
13 L.S. Type pump engine with motor.	1		

ANNEXURE 25—cont.

Inventory of Plant and Machinery as on 31st March 1957—cont.

Serial number and name of plant and machinery.	Number available.	Serial number and name of plant and machinery.	Number available.
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TIRUCHIRAPPALLI CIRCLE—cont.

Tirunelveli—cont.

7 Drum mixers	35
8 Bitumen boilers	9
9 Water pump	1
10 Welding set	1
11 Green mixal plant	1

Cauvery Bridge Division.

1 Lorry	1
2 Tractor with trailer	1
3 Undisturbed soil sampler	1
4 Parker concrete mixer	1

Sattur Special Division.

1 Pump sets	2
2 Vibrators	3
3 Concrete mixers	3
4 Air compressors	3
5 Helmets	9
6 Rippers	2
7 Tractors with trailer	1

Bodinayakanur Special Division.

1 Jeep	1
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MADRAS CIRCLE.

Chingleput Division.

1 Asphalt mixer	3
(hot mixer)	
2 Bitumen boiler	18
3 Concrete mixer	2
4 Bull Dozer	2
5 Grader	2
6 Jeep and vans	3
7 Lorry	6
8 Power pumps	4
9 Rollers	21
10 Screed vibrator	4
11 Tractor	7

South Arcot Division.

1 Asphalt mixer	1
2 Bitumen boiler	24
3 Stone crusher	1
4 Concrete mixer	6
5 Hand-drum mixers	9
6 Jeep van	2
7 Lorries	4+1
8 Rollers	22
9 Screed vibrator	2
10 Tractors	2
11 Water cart	10
12 Drum mixers	68

Tanjore Division.

1 Asphalt mixer	1
2 Bitumen boiler	12
3 Stone crusher	1
4 Concrete mixer	2
5 Hand-drum mixer	20
6 Hand pump	5
7 Lorries	2
8 Water cart	7
9 Trailer waggon carts	2
10 Water tanks	10
11 Heat sprayer	2
12 Diesel engine	3
13 Grader	1

Nagapattinam Division.

1 Asphalt mixer	1
(hot mixer)	
2 Bitumen boiler	4
3 Concrete mixer	2
4 Hand pump	4
5 Jeep and van	1

Nagapattinam Division—cont.

6 Lorry	1
7 Roller	16
8 Tractors	2
9 Trailer waggon	1
10 Carts	1
11 Wheel barrow	1

Villupuram Division.

1 Welding set	1
2 Water tank	5
3 Wheel barrow	8
4 Heat sprayer	6
5 Drum mixers	31
6 Boring tool	4

Sirkali Special Division.

1 Concrete mixer	3
2 Colcrete mixer	1
3 Lorry	1
4 Pile driving set	1
5 Roller	1
6 Screed vibrator	1
7 Tram line	1,980 R. ft.
8 Immersion vibrator	2
9 Welding set	1
10 Hand winches	2

(two ton capacity)

11 A.C. Testing machines	1
12 Hydraulic Jacks and pumps	3
jacks 1 pump	
13 Vibrating table	1
14 Weigh batcher	1
15 Weighing machine	1

Transport and Machinery Division.

1 Bitumen boilers	14
2 Break down lorry	2
3 Stone crusher	1
4 Air compressor	1
5 Concrete mixer	1
6 Crane	2
7 Cinema van	1
8 Core cutting machine	1
9 Bull-dozer	2
10 Tractor lorry	1
11 Graders	3
12 Generator	3

ANNEXURE 25—cont.

Inventory of Plant and Machinery as on 31st March 1957—cont.

Serial number and name of plant and machinery.	Number available.	Serial number and name of plant and machinery.	Number available.
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MADRAS CIRCLE—cont.

Transport and Machinery Division—cont.

13 Hand drum mixers	33
14 Hand pumps	15
15 Jeeps and vans	2
16 Lorries	7
17 Laboratory van	2
18 Pile driving set	1
19 Power pumps	12
20 Roller	6
21 Seamen mixer	1
2 Sheep foot roller	6
3 Screed vibrator	1
4 Tractor	24
5 Trench roller	1
6 Tram line	205
R.ft.	
7 Welding set	2
8 Water cart	1

Transport and Machinery Division—cont.

29 Power winch	12
30 Hand winch	14
31 Gunnetting machine	1
32 Water jetting equipment	1
33 Pavement breaker	1
34 Wayer impactor	1
35 Trailer grader	2
36 Liner cum flow mixer	1

Highways Research Station.

1 Grader	2
2 Lorry	1
3 Power pump	1
4 Roller	1
5 Tractors	4
6 Wayer impactor	1
7 Drum mixers	3

TIRUCHIRAPPALLI CIRCLE.

Tiruchirappalli Division.

1 Rollers	23
2 Lorries	9
3 Graders	2
4 Jeeps	1
5 Pump sets	5
6 Heat master	5
7 Tar boilers	16
8 Vibrators	4
9 Cement concrete mixers	2
10 Asphalt mixer	1
11 Hot mix plant	1

Ramanathapuram Division.

1 Rollers	23
2 Lorries	3
3 Jeeps	2
4 Pump sets	1
5 Heat master	17
6 Tar boilers	2
7 Vibrators	1
8 Asphalt mixer	1
9 Concrete mixer	3
10 Barrow mixer	5
11 Air compressor	2
12 Battery charger	1
13 L.S. type pump engine	1
with motor	
14 Drum mixer	68
15 Gang water cart	4
16 Hand pump	5

Madurai Division.

1 Rollers	37
2 Lorries	13
3 Graders	1
4 Jeeps	3
5 Heat masters	10
6 Tar boilers	8
7 Vibrators	4
8 Concrete mixer	3

Madurai Division—cont.

9 Air compressors	2
10 Water pumps	2
11 Pegson cold mix plants (asphalt)	1
12 Millers Hot mix plant	1
13 Tractors	2

Tirunelveli Division.

1 Rollers	25
2 Lorries	3
3 Graders	2
4 Jeeps	2
5 Concrete mixers	3
6 Air compressor	1
7 Drum mixer	35
8 Bitumen boiler	9
9 Water pumps	1
10 Welding set	1
11 Green mixall plant	1

Cauvery Bridge Division.

1 Lorries	1
2 Tractor with trailer	1
3 Undisturbed soil sampler	1
4 Parker concrete mixer	1

Sattur Special Division.

1 Pump sets	2
2 Vibrator	3
3 Concrete mixers	3
4 Air compressors	3
5 Helmet	9
6 Rippers	2
7 Tractor with trailer	1

Bodinayakanur Special Division.

1 Jeep	1
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ANNEXURE 25-cont.

Inventory of Plant and Machinery as on 31st March 1957—cont.

Serial number and name of plant and machinery.	Number available.	Serial number and name of plant and machinery.	Number available.
COIMBATORE CIRCLE.			
<i>Coimbatore Division.</i>			
1 Rollers	23		
2 Lorries	11		
3 Grader	1		
4 Van	2		
5 Jeeps	3		
6 Bull dozer	2		
7 Heat master	16		
8 Hand drum mixers	55		
9 Concrete mixers	3		
10 Vibrators (Air Compressor)	1		
11 Hot mix plant	1		
12 Pump set (compressor)	1		
13 Gunning machine	1		
14 Tractor	1		
<i>Krishnagiri Division.</i>			
1 Rollers	16		
2 Lorries	3		
3 Jeep	1		
4 Heat master	11		
5 Hand drum mixer	57		
6 Concrete mixer	5		
7 Pump set (compressor)	2		
<i>Vellore Division.</i>			
1 Lorries	3		
2 Jeep	1		
3 Heat master	25		
4 Hand drum mixer	120		
5 Concrete mixers	3		
6 Vibrator	1		
<i>Nilgiris Division.</i>			
1 Rollers	7		
2 Lorries	1		
3 Jeep	1		
4 Hotmix plant	1		
5 Tractor	1		
<i>Kolli Hills Special Division.</i>			
1 Lorries	3		
2 Graders	2		
3 Jeep	1		
4 Tractors	2		
<i>Erode Division.</i>			
1 Rollers	22		
2 Grader	1		
3 Jeep	1		
4 Heat master	20		
5 Hand drum mixers	70		
6 Concrete mixers	2		
7 Vibrators (Air Compressor)	1		
8 Hot mix plant	1		
9 Pump set (Compressor)	2		
10 Water carts	52		
<i>Salem Division.</i>			
1 Rollers	16		
2 Lorries	4		
3 Jeep	1		
4 Heat master	17		
5 Hand drum mixers	38		
6 Concrete mixers	1		
7 Vibrator (Air Compressor)	2		

ANNEXURE 26.

Statement of avenues (1st April to 31st October 1956).

Serial number and name of circle and division.	Government roads.					
	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have survived.	Expenditure.	Income.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
					RS.	RS.
MADRAS CIRCLE.						
1 Chingleput	699	80,279	4,910	3,672	40,196	14,258
2 South Arcot	671	90,432	4,793	2,456	20,870	8,483
3 Nagapattinam	313	30,213	..	..	8,374	4,437
4 Tanjore	461	47,844	2,438	1,716	1,461	..
5 Coleroon Bridge Division.	..	..	..	..	..	..
6 Ponnaiar Bridge Division.	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
Total	2,144	248,768	12,141	7,844	70,901	27,278
TIRUCHIRAPPALLI CIRCLE.						
0 Tiruchirappalli	879	111,613	2,700	2,500	35,334	47,756
1 Madurai	702	62,893	..	..	2,326	12,368
2 Ramanathapuram	617	49,762	1,629	1,001	14,622	9,583
3 Tirunelveli	560	39,766	3,766	653	10,982	14,091
4 Bodinayakanur	3	..	..	..	..	..
5 Cauvery Bridge Division	..	..	..	..	..	..
6 Sattur Special Division	..	..	..	..	..	..
7 Nagarcoil	..	..	..	..	..	..
Total	2,761	264,034	8,097	4,154	63,264	83,798
District Board roads.						
Serial number and name of circle and division.	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have been survived.	Expenditure.	Income.
(8)	(9)	(10)	(11)	(12)	(13)	
					RS.	RS.
MADRAS CIRCLE—cont.						
1 Chingleput	1,094	21,976	950	950	1,517	7,664
2 South Arcot	1,434	124,499	3,415	2,193	5,908	8,483
3 Nagapattinam	1,109	32,418	..	..	4,367	3,417
4 Tanjore	945	25,456	..	..	1,122	..
5 Coleroon Bridge Division.	..	..	..	..	..	..
6 Ponnaiar Bridge Division.	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
Total	4,582	204,349	4,365	3,143	12,914	19,564
TIRUCHIRAPPALLI CIRCLE—cont.						
0 Tiruchirappalli	1,745	47,532	1,800	1,300	11,652	18,584
1 Madurai	1,459	5,401	..	..	1,560	2,424
2 Ramanathapuram	969	25,403	868	613	7,715	2,732
3 Tirunelveli	1,043	33,025	1,933	645	2,200	6,447
4 Bodinayakanur	..	..	..	..	..	..
5 Cauvery Bridge Division	..	..	..	..	..	..
6 Sattur Special Division	..	..	..	..	..	..
7 Nagarcoil	..	..	..	..	..	..
Total	5,216	1,11,361	4,601	2,558	23,127	30,187

ANNEXURE 26—cont.

Statement of avenues (1st April to 31st October 1956)—cont.

Serial number and name of circle and division.	Government roads.					
	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have been survived.	Expenditure.	Income.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COIMBATORE CIRCLE.						
					RS.	RS.
18 North Arcot	707	1,16,696	13,782	5,536	35,426	1,05,899
19 Salem	406	42,228	7,998	1,009	3,948	6,000
20 Krishnagiri	449	50,705	1,640	522	11,216	98,532
21 Erode	538	33,612	4,077	3,343	76,260	7,214
22 Coimbatore	563	17,923	715	409	6,694	25,354
23 Ootacamund	216	21	..	..	..	313
24 Ranipet Special Division	..	..	..	..	..	..
25 Kolli Hills Division	..	..	..	..	..	..
26 Coimbatore Special Division.	24	..	..	..	..	..
Total ..	2,903	2,61,185	28,212	10,819	1,33,504	2,43,312
WEST COAST CIRCLE, CANNANORE.						
27 Mangalore	707	51,421	970	430	427	3,680
28 Kozhikode	394	1,942	900	672	1,204	5,562
29 Palghat	629	52,224	..	..	28	1,61,875
30 Mangalore Special (North).	..	..	..	..	..	..
31 Mangalore Special (South).	..	..	..	..	..	..
32 Kozhikode Special.	..	..	..	..	..	..
Total ..	1,730	1,05,587	1,870	1,102	1,659	1,71,117
Grand total ..	9,538	8,79,574	50,320	23,919	2,69,328	5,25,504

Serial number and name of circle and division.	District Board roads.					
	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have been survived.	Expenditure.	Income.
(8)	(9)	(10)	(11)	(12)	(13)	(14)
COIMBATORE CIRCLE—cont.						
					RS.	RS.
18 North Arcot	1,079	67,897	4,444	1,810	5,034	..
19 Salem	797	22,236	2,003	654	1,725	2,011
20 Krishnagiri	925	45,462	..	..	1,238	52,628
21 Erode	1,577	1,037	895	580	3,031	417
22 Coimbatore	1,068	8,843	186	132	..	3,430
23 Ootacamund	303	..	..	..	..	..
24 Ranipet Special Division	..	..	..	..	..	..
25 Kolli Hills Division	..	..	..	..	..	..
26 Coimbatore Special Division.	..	..	..	..	..	..
Total ..	5,749	1,45,475	7,528	3,176	11,028	58,486
WEST COAST CIRCLE, CANNANORE—cont.						
27 Mangalore	787	40,591	785	257	..	1,338
28 Kozhikode	490	23,554	547	370	..	7,847
29 Palghat	458	15,989	..	..	..	..
30 Mangalore Special (North).	..	..	..	..	..	..
31 Mangalore Special (South).	..	..	..	..	..	..
32 Kozhikode Special.	..	..	..	..	..	..
Total ..	1,735	80,134	1,332	627	..	9,181
Grand total ..	17,282	5,41,319	17,826	9,504	47,069	1,17,421

ANNEXURE 26—cont.

Statement of avenues (1st November 1956 to 31st March 1957).

Serial number and name of circle and division.	Government roads.					
	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have survived.	Expenditure.	Income.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MADRAS CIRCLE.						
					RS.	RS.
1 Chingleput	711	83,951	..	..	28,312	4,407
2 South Arcot	671	92,888	843	737	10,961	25,033
3 Nagapattinam	313	30,213	1,843	1,644	7,331	10,723
4 Tanjore	461	49,560	112	76	4,565	13,230
5 Coleroon Bridge Division	..	..	..	..	..	..
6 Ponnar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..
8 Designs Division	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..
Total ..	2,156	256,612	2,798	2,457	51,169	53,393
TIRUCHIRAPPALLI CIRCLE.						
11 Tiruchirappalli	877	114,113	..	..	18,527	28,202
12 Madurai	727	62,893	678	320	3,129	27,765
13 Ramanathapuram	623	50,763	21,055	20,356	10,440	7,134
14 Tirunelveli	560	40,419	3,768	466	6,632	5,814
15 Bodinayakanur	5	..	..	..	..	..
16 Cauvery Bridge Division	..	..	..	..	..	..
17 Sattur Special Division	..	..	..	..	..	4,518
18 Nagarcoil	781	..	..	..	..	..
Total ..	3,573	268,188	25,501	21,142	38,728	73,433
COIMBATORE CIRCLE.						
19 North Arcot	707	1,16,696	13,782	5,536	30,970	1,05,899
20 Salem	408	42,228	7,998	1,009	2,577	11,900
21 Krishnagiri	449	50,705	200	100	5,090	39,165
22 Erode	486	33,612	4,077	3,343	45,378	7,214
23 Coimbatore	571	17,923	715	409	4,245	25,354
24 Ootacamund	216	21	..	..	..	599
25 Ranipet Special Division	..	..	..	..	..	..
26 Kolli Hills Division	..	..	..	..	..	..
27 Coimbatore Special Division.	..	..	..	..	..	..
Total ..	2,837	261,185	26,772	10,397	88,260	1,90,131
Grand total ..	8,566	785,985	55,071	33,996	1,78,157	3,16,957

ANNEXURE 26—cont.

Statement of the avenues (1st November 1956 to 31st March 1957)—cont.

Serial number and name of circle and division.	District Boards roads.				Expenditure.	Income.
	Total mileage.	Number of avenues.	Number newly planted during the year.	Number of new plantations that have been survived.		
	(9)	(9)	(10)	(11)	(12)	(13)
MADRAS CIRCLE—cont.					RS.	RS.
1 Chingleput	1,111	22,926	..	..	4,435	11,05
2 South Arcot	1,491	64,437	667	349	12,193	5,32
3 Nagapattinam	1,109	32,418	735	375	4,344	2,10
4 Tanjore	945	25,456	1,197	914	5	34,99
5 Coleroon Bridge Division	..	..	..	..	..	..
6 Ponnaiar Bridge Division	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..
8 Designs Division ..	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..
10 Madras City	..	..	..	..	..	..
Total	4,656	145,237	2,599	1,638	20,977	53,41

TIRUCHIRAPALLI CIRCLE—cont.

11 Tiruchirappalli	1,753	48,832	..	..	8,319	4,4
12 Madurai	1,434	5,401	350	175	616	6,4
13 Ramanathapuram	969	26,016	703	486	5,009	1,2
14 Tirunelveli	1,078	33,670	1,933	460	3,104	2,8
15 Bodinayakanur	..	..	..	..	..	..
16 Cauvery Bridge Division	..	..	..	..	..	..
17 Sattur Special Division ..	..	..	..	..	..	..
18 Nagercoil	..	..	..	..	..	..
Total	5,234	113,919	2,986	1,121	17,048	15,0

COIMBATORE CIRCLE—cont.

19 North Arcot	1,086	67,897	4,444	1,810	3,327	..
20 Salem	797	22,736	2,003	654	1,217	..
21 Krishnagiri	925	45,462	..	..	828	..
Erode	1,448	1,037	895	580	1,376	4
23 Coimbatore	1,068	8,843	186	132	1,022	3,4
24 Ootacamund	804	..	..	..	..	..
25 Ranipet Special Division	..	..	..	..	..	..
26 Kolli Hills Division	..	..	..	..	..	..
27 Coimbatore Special Division.	..	..	..	..	..	..
Total	5,628	1,45,475	7,528	3,176	7,770	3,
Grand total	15,518	404,631	13,113	5,935	45,795	72,

ANNEXURE 27.

(i) Statement showing the particulars of encroachments detected and disposed of during the year 1956-57 (1st April to 31st October 1956) (Government roads).

Serial number and name of district.	Number of encroachments pending disposal at the end of the year.		Number of objectionable encroachments evicted during the year.		Number of unobjectionable encroachments licensed during the year.		Number of encroachments detected during the year.		Number of encroachments pending disposal at the commencement of the year.	
	Objectionable.	Unobjectionable.	Objectionable.	Unobjectionable.	Objectionable.	Unobjectionable.	Objectionable.	Unobjectionable.	Objectionable.	Unobjectionable.
	Municipal area.	Non-municipal area.	Municipal area.	Non-municipal area.	Municipal area.	Non-municipal area.	Municipal area.	Non-municipal area.	Municipal area.	Non-municipal area.
(1)	(10)	(11)	(8)	(9)	(6)	(7)	(4)	(5)	(2)	(3)
1 Chingleput	1,448	..	239	..	12	..	202	..	9,874	..
2 South Arcot	62	151	..	64	..	..	73	263	385	222
3 Tanjore	46	25	..	..	..	..	..	1	268	84
4 Tiruchirappalli	55	732	..	..	..	..	..	..	55	1,477
5 Madurai	349	29	60	118	20	..	258	54	933	223
6 Ramanathapuram	59	..	..	15	460	212	362	221	958	105
7 Tirunelveli	..	41	..	..	..	..	..	..	..	507
8 North Arcot	160	1,624	..	..	..	..	..	120	..	..
9 Salem	..	382	..	212	..	459	..	..	4,560	..
10 Coimbatore	215	579	33	129	..	..	27	84	546	832
11 The Nilgiris	..	161	..	44	..	..	..	31	..	174
12 South Kanara	44	135	9	32	1	9	6	31	102	155
Total	2,438	3,859	341	614	493	680	928	805	13,121	8,339

Note.—Particulars relating to Malabar District were not available.

ANNEXURE 27—cont.

(i) Statement showing the particulars of encroachments detected and disposed of during the year 1956-57 (1st November 1956 to 31st March 1957).

Serial number and name of district.	Number of encroachments pending disposal at the commencement of the year.		Number of encroachments detected during the year.		Number of objectionable encroachments evicted during the year.		Number of encroachments pending disposal at the end of the year.	
	Municipal area.		Municipal area.		Municipal area.		Municipal area.	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(1) Chingleput ..	9,825	..	197	..	244	..	7,582	..
2 South Arcot ..	385	222	23	213	46	61	81	206
3 Tanjore ..	268	85	314	334	322	..	18	177
4 Tiruchirappalli ..	55	1,477	64	139	10	4	119	637
5 Madurai ..	1,111	159	553	59	457	..	656	103
6 Ramanathapuram ..	860	..	126	32	..	34	110	2
7 Tirunelveli ..	..	507	..	639	..	545	96	14
8 North Arcot ..	295	3,431	494	256	93	147	176	48
9 Salem ..	20	4,436	8	117	14	120	..	210
10 Coimbatore ..	46	101	145	766	..	..	89	34
11 The Nilgiris ..	..	161	14	70	5	..	123	25
12 South Kanara ..	98	145	..	..	..	..	46	..
13 Kanyakumari ..	..	..	..	..	..	..	..	..
Total ..	12,963	10,724	1,938	2,625	1,181	916	8,877	829
							4,235	7,805

(ii) Statement showing the particulars of encroachments detected and disposed of during 1st April to 31st October 1956 in the year 1956-57 on District Board Roads.

Madrass Circle—		Municipal area.		Non-municipal area.		Municipal area.		Non-municipal area.		Municipal area.		Non-municipal area.		Municipal area.		Non-municipal area.	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1 Chingleput ..	..	..	384	..	88	..	88	..	20	..	..	..	..	..	..	..	334
2 South Arcot ..	..	..	93	..	71	..	10	..	4	..	..	..	..	..	..	..	144
3 Tanjore ..	..	..	10	..	4	..	..	..	57	..	..	..	..	..	..	..	36
4 Nazapattinam ..	..	..	49	..	28	..	..	..	..	1	..	..	..	..	..	..	..
5 Coleroon Bridge Division.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6 Ponalar Bridge Division.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7 Desaru Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8 Transport and Machinery Division.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9 Research Station (Highways).	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	576	..	191	..	98	..	81	1	74	..	..	..	..	..	514

Tiruchirappalli Circle—																
10 Tiruchirappalli ..	..	78	..	80	..	3	..	22	..	116	..	13				
11 Madurai ..	..	159	1	19	..	..	..	15	1	163	..	..				
12 Ramanathapuram ..	..	121	..	418	..	291	..	188	..	59	..	51				
13 Tirunelveli ..	..	147	..	86	..	..	..	16	..	..	..	167				
14 Sattur Special ..	{ Special. 15 Bodinayakanur 16 Cauvery Bridge division	..	..	..	..	..	..	..	..	..	..	..				
15 Bodinayakanur ..		..	..	..	..	..	..	..	..	..	..	..				
16 Cauvery Bridge division ..		..	..	..	..	..	..	..	..	..	..	..				
Total ..	13	600	1	558	..	294	1	191	1	398	12	230				
Coimbatore Circle—																
17 North Arcot ..	..	3	..	2	..	..	..	2	..	..	..	3				
18 Salem ..	..	29	..	86	..	..	..	12	..	103	..	..				
19 Krishnagiri ..	..	141	..	25	..	..	..	5	..	141	..	..				
20 Erode ..	..	49	..	38	..	..	..	10	..	72	..	..				
21 Coimbatore ..	..	90	..	43	..	..	..	..	4	1	..	187				
22 Ootacamund ..	..	55	..	2	..	7	..	..	..	..	..	50				
23 Coimbatore Special ..	{ Special. 24 Koll Hills Special 25 Ranipet Special	..	..	..	..	..	..	..	..	..	..	..				
24 Koll Hills Special ..		..	..	..	..	..	..	..	..	..	..	..				
25 Ranipet Special ..		..	..	..	..	..	..	..	..	..	..	..				
Total ..	4	397	..	196	..	7	..	49	4	317	..	190				
West Coast Circle—																
26 Mangalore ..	..	47	..	9	..	4	..	5	..	47	..	..				
27 Kozhikode ..	..	55	..	22	..	..	..	12	..	65	..	10				
28 Palghat ..	..	14	..	..	..	..	..	..	..	4	..	..				
29 Mangalore Special (North) ..	{ Special. 30 Mangalore Special (South) 31 Kozhikode Special	..	..	..	..	..	..	..	..	..	..	..				
30 Mangalore Special (South) ..		..	..	..	..	..	..	..	..	..	..	..				
31 Kozhikode Special ..		..	..	..	..	..	..	..	..	..	..	..				
Total ..	..	116	..	31	..	4	..	17	..	116	..	10				
Grand total ..	17	1,559	2	971	..	403	1	238	6	845	12	944				

ANNEXURE 27—cont.

(ii) Statement showing the particulars of encroachments detected and disposed of during 1st November 1956 to 31st March 1957 in the year 1956-57 on District Board Roads.

Serial number and name of circle and division.	Number of encroachments pending disposal at the commencement of the year.		Number of encroachments detected during the year.		Number of unobjectionable encroachments licensed during the year.		Number of objectionable encroachments evicted during the year.		Number of encroachments pending disposal.		
									Objectionable.	Unobjectionable.	
	Municipal area.	Non-Municipal area.	Municipal area.	Non-Municipal area.	Municipal area.	Non-Municipal area.	Municipal area.	Non-Municipal area.	Non-Municipal area.	Municipal area.	Non-Municipal area.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madras circle.											
1 Chingleput ..	..	334	..	..	..	..	..	..	..	..	334
2 South Arcot ..	..	144	..	15	..	..	..	25	..	..	134
3 Tanjore ..	..	90	..	..	..	..	..	..	54	..	36
4 Nagapattinam ..	..	20	..	70	..	..	..	42	48	..	..
5 Coleroon Bridge Division.	..	..	..	..	..	..	..	..	..	..	..
6 Ponnar Bridge Division.	..	..	..	..	..	..	..	..	..	..	..
7 Transport and Machinery Division.	..	..	..	..	..	..	..	..	..	..	..
8 Research Station (Highways).	..	..	..	..	..	..	..	..	..	..	..
9 Designs Division.	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	588	..	85	..	..	..	67	102	..	504
Tiruchirappalli circle.											
10 Tiruchirappalli ..	..	128	..	30	..	2	..	12	132	..	12
11 Madurai ..	1	163	..	35	..	..	..	30	1	168	..
12 Ramanathapuram ..	..	110	110	598	98	422	..	158	12	..	128
13 Tirunelveli ..	12	167	..	1	..	..	..	15	..	12	153
14 Nagarcot ..	..	..	..	..	..	..	..	..	..	..	..
15 Sattur Special ..	..	..	..	..	..	..	..	..	..	..	..
16 Bodinayakanur special.	..	..	..	..	..	..	..	..	..	..	..
17 Cauvery Bridge Division.	..	..	..	..	..	..	..	..	..	..	..
Total ..	13	568	110	664	98	424	..	215	13	300	293
Coimbatore circle.											
18 North Arcot ..	..	8	..	9	..	..	..	2	..	..	10
19 Salem ..	..	103	..	..	..	..	..	..	103	..	..
20 Krishnagiri ..	..	141	..	..	..	..	..	..	141	..	..
21 Erode ..	..	72	..	36	..	..	..	45	63	..	..
22 Coimbatore ..	4	138	..	..	..	..	..	..	4	1	137
23 Ootacamund ..	..	50	..	..	..	..	..	..	..	..	50
24 Coimbatore Special.	..	..	..	..	..	..	..	..	..	..	..
25 Ranipet ..	..	..	..	..	..	..	..	..	..	..	..
26 Kolli Hills Special	..	..	..	..	..	..	..	..	..	..	..
Total ..	4	507	..	45	..	..	..	47	4	308	197
Grand total ..	17	1,663	110	794	98	424	..	329	17	710	994

ANNEXURE 28.

Statement of ferries maintained by the department during 1st April to 31st October 1956.

Name of the division.	Serial number and name of ferry.	Number and size of boats available.	Revenue derived.
(1)	(2)	(3)	(4)
Tanjore ..			
1 Sundaraperumal Koil ..	1 boat of 10' diameter x 3'.	..	200
2 Parithikudi ..	1 boat of 12' x 4' x 3' ..	..	39
Nagapattinam ..			
3 Gopalasamudram across Coleroon.	1 boat of 25' x 8' ..	..	1,040
4 Elangudi across Odambokiar.	1 Do. ..	..	17
5 Engan across Vettar ..	1 Do. ..	..	55
6 Thirumullaivasal across Uppanar.	1 Do. ..	..	360
7 Alakkudi Kothuvakkal across Coleroon.	1 Do. ..	..	988
8 Thirukarugavoor across Coleroon.	1 Do. ..	..	25
9 Radhanallur across Coleroon.	1 Do. ..	..	20
10 Madimelur across Coleroon.	1 Do. ..	..	2
11 Kalimedu ferry ..	2 boats of 20' x 5' ..	..	1,030
12 Elanthayadi ferry ..	2 Do. ..	..	260
13 Vandavanjeri ferry ..	1 Do. ..	..	250
14 Polagam ferry across Thirumalarajanar.	2 Do. ..	..	26
15 Sembodai ferry ..	2 Do. ..	..	577
16 Porakudi ferry across Arasalar.	2 Do. ..	..	18
Tiruchirappalli ..			
17 Kamanakkenpalayam ..	4 of 12' diameter ..	..	900
18 Unniyur ..	2 Do. ..	..	1,009
19 Manappalli ..	3 Do. ..	..	155
20 Kullitalai (Musiri) ..	8 Do. ..	..	14,255
21 Trumannur (Vilangudi) ..	6 Do. ..	..	5,250
22 Tirumalavadi Vythianathanpettai.	4 Do. ..	..	2,140
Madurai ..			
23 Narikalpatty ..	1 boat of 7' x 5' x 6' ..	..	5
24 Perichipalayam ..	1 Do. ..	..	5
25 Manur Ghat ..	1 Do. ..	..	5
Ramanathapuram ..			
26 Kottagudi ..	1 boat of 20' x 3' x 14' ..	..	247
Tirunelveli ..			
27 Vilathikulam ..	1 boat of 32' x 5 1/2' x 2' ..	..	20
28 Karimpuzha ..	2 Nos. of 20' x 3' x 1'9" ..	..	..
29 Chervangode ..	1 Nos. of 20' x 3'6" x 1'3" ..	..	..
30 Mangathiri ..	2 Nos. Do. ..	..	..
31 Thiruthala Varandakutti kadavu.	2 Nos. Do. ..	..	..
Kozhikode ..			
32 Mallur alias Chattenpara ..	3 Nos. do. ..	..	..
33 Chavruvanatham ..	1 boat of 30' x 4 1/2' x 2 1/2' and 1 jangadam.	..	..
34 Menantoddy Changadkadavu.	3 boats of 25' x 4 1/2' x 2 1/2' and 1 jangadam.	..	..
35 Kuppam ..	1 boat of 30' x 2 1/2' x 2 1/2' and 1 jangadam.	..	..
36 Panamaram ..	2 boats of 25' x 4 1/2' x 2 1/2' and 1 jangadam.	..	..
37 Chalgam ..	3 boats of 25' x 4 1/2' x 2 1/2' and 1 jangadam.	..	..
38 Perumpuzha ..	6 boats of 27' x 2 1/2' x 2' ..	..	..
Mangalore ..			
39 Baliapatam ..	8 boats of 27' x 2 1/2' x 2' and 1 jangar.	..	..
40 Bolai ..	8 boats of 27' x 2 1/2' x 2' and 1 jangar.	..	..
41 Pavanje ..	5 boats of 27' x 2 1/2' x 2' ..	..	..
42 Moolky ..	5 Do. ..	..	..
43 Chandragiri ..	2 Do. ..	..	..
44 Shire ..	2 Do. ..	..	..
45 Kariangote ..	2 Do. ..	..	..
46 Chittare ..	2 Do. ..	..	..
47 Mogal ..	2 Do. ..	..	..
48 Kanipure ..	2 Do. ..	..	..
49 Appala ..	2 Do. ..	..	..
50 Kullathkere ..	2 Do. ..	..	..
51 Be'al ..	2 Do. ..	..	..
52 Thekkil ..	Closed.	..	..
53 Hosmatte ..	2 boats of 27' x 2 1/2' x 21' ..	..	..
54 Mabukkal ..	10 boats of 27' x 2 1/2' x 2' and 1 jangar.	..	..
55 Bhadraviri ..	10 do. ..	..	..
56 Udayavare ..	10 boats of 27' x 2 1/2' x 2' and 1 jangar.	..	..

* Lease for 1956-57.

† Particulars not furnished by Kerala State.

ANNEXURE 28—cont.

Statement of ferries maintained by the department during 1st April to 31st October 1956—cont.

Name of the division. (1)	Serial number and name of ferry. (2)	Number and size of boats available. (3)	Revenue derived (4) RS.
Mangalore—cont.	57 Puttige	Ferry closed.	
	58 Gengoli	7 boats of 27' x 24' x 2' and 1 motor boat.	
	59 Hangarhole	2 boats of 27' x 24' x 2' and 1 jangar.	
	60 Kandur	2 Do.	
	61 Wandse	2 Do.	
	62 Jakkal	2 Do.	
	63 Poochamogar	2 boats of 24' x 2' x 1½'	
	64 Malpe	2 Do.	
	65 Souda	2 boats of 27' x 24' x 2'	
	66 Halady	2 boats of 25' x 2' x 1½'	
Krishnagiri	67 Irumathur .. .. .	....	23
Total ..			28,891

* Particulars not furnished by Kerala State

Statement of ferries maintained by the department from 1st November 1956 to 31st March 1957.

Name of the division. (1)	Serial number and name of the ferry. (2)	Number and size of boats available. (3)	Revenue. (4) RS.
Tanjore	1 Sundaraperumal Koll ..	1 boat 10' diameter into 3'	200
	2 Parithikudi	1 boat 12' x 4' x 3'	39
Nagapattinam	3 Gopalasamudram across Coleroon.	1 boat 25' x 8' ..	1,040
	4 Elangudi across Odambokiar.	1 Do.	17
	5 Engan across Vettar ..	1 Do.	55
	6 Tirumullaivasan across Uppanar.	1 Do.	360
	7 Alakkudi Kothuvaikal across Coleroon.	1 Do.	838
	8 Thirukarugavoor across Coleroon.	1 Do.	25
	9 Radhanallur across Coleroon.	1 Do.	20
	10 Madimelur across Coleroon.	1 Do.	2
	11 Koll medu Ferry ..	2 boats of 20' x 5'	1,000
	12 Elanthangudi ferry ..	2 Do.	260
	13 Vandavanjeri ferry ..	1 Do.	250
	14 Polagam ferry across Thirumalarajanar.	2 Do.	26
	15 Sembodai ferry ..	2 Do.	577
	16 Porakudi ferry across Arasalar.	2 Do.	13
Tiruchirappalli	17 Ramanaikanpalayam ..	4 12' diameter ..	1,425
	18 Manapalli (Nanniyur) ..	3 Do.	1,555
	19 Kulitalai (Mn-iri) ..	3 Do.	4,050
	20 Tirumanur (Vilangudi) ..	6 Do.	2,900
	21 Unniyur	2 Do.	129
	22 Tirumalvadi Vythinathanpettai.	4 Do.	1,510
Madurai	23 Nar kalpatty	1 7' x 5' x 6' ..	..
	24 Perilunpalayam	1 Do.	..
	25 Manooth ferry	1 Do.	..
Ramanathapuram	26 Kottagudi	1 boat 20' x 3' x 1½'	83
Tirunelveli	27 Vilathikulam across Vaipar..	1 boat 32' x 5½' x 2'	20
Krishnagiri	28 Irumathur	..	302*
Nagercoil	29	11 boats 35' x 4' x 2'	NIL
Total ..			16,572

* Lease amount for 1956-57.

ANNEXURE 29.

(i) Statement showing the names of inspection bungalows taken over during the year 1956-57 (1st April to 31st October 1956).

(a) Madras Circle.—Nil.

(b) Tiruchirappalli Circle.—Nil.

(c) Coimbatore Circle.—(i) Coimbatore Division.—The Inspection Bungalow near Pykara Dam Bridge temporarily transferred to Electricity Department with reference to G.O. Ms. No. 3843, P.W., dated 23rd September 1948, was taken over to Highways Department on 1st June 1956.

(ii) Salem Division.—Inspection Bungalow at Velur was taken over from the control of the Divisional Engineer (Highways), Tiruchirappalli.

(iii) Other Divisions in the circle.—Nil.

(d) West Coast Circle, Cannanore.—Nil.

(ii) Statement showing the number of inspection bungalows maintained during 1956-57 (1st April to 31st October 1956).

Serial number and name of division. (1)	Class I. (2)	Class II. (3)	Class III. (4)	Rest-house. (5)	Revenue realised. (6) RS.	Cost of maintenance. (7) RS.
1 Chingleput	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..
Nagapattinam	..	..	..	..	..	..
Tanjore	..	..	..	..	739	1,631
Tiruchirappalli	..	6	..	..	..	..
Madurai	..	..	..	..	..	..
Ramanathapuram	..	..	..	..	..	..
Tirunelveli	..	..	..	..	..	..
North Arcot	..	..	..	..	291	1,274
Salem	1	1	..	..	..	..
Krishnagiri	..	..	..	..	..	..
Erode	..	..	..	..	145	400
Coimbatore	..	2	..	..	..	..
Palghat	..	2	..	..	..	..
Kozhikode	1	6	..	..	..	..
Mangalore	..	..	..	..	226	1,678
Ootacamund	..	3	..	..	..	..
Total ..	2	20	..	..	1,401	4,983

The revenue and expenditure figures for items 10, 13 and 17 relate to the whole year 1956-57.

(iii) Statement showing the names of travellers' bungalows taken over during the year 1956-57 (1st April to 31st October 1956).

(a) Madras Circle	Nil.
(b) Tiruchirappalli Circle	Nil.
(c) Coimbatore Circle	Nil.
(d) West Coast Circle	Nil.

ANNEXURE 29—cont.

(iv) Statement showing the travellers' bungalows maintained during the year 1956-57 (1st April to 31st October 1956).

Serial number and name of division.	Class I.	Class II.	Class III.	Rest-houses.	Revenue realised.	Cost of maintenance.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
					RS.	RS.
1 Chingleput	..	4	..	2	262	1,940
2 South Arcot	3	5	..	7	2,658	6,412
3 Nagapattinam	..	1	4	..	614	1,113
4 Tanjore	..	2	..	8*	1,015	4,504
5 Tiruchirappalli	..	5	..	2	1,125	1,217
6 Madurai	..	2	..	..	3	729
7 Ramanathapuram	7	7	..	2	65	8,443
8 Tirunelveli	..	9	..	6	905	983
9 North Arcot	..	3	..	..	..	..
10 Salem	..	8	..	1	..	..
11 Krishnagiri	5	6	..	..	Figures not available.	
12 Erode	3	5	1	7		
13 Coimbatore	..	9	..	9	Not available.	
14 Palghat	..	26	..	4		
15 Kozhikode	1	14	4	..	..	..
16 Mangalore	7	12	12	30	..	..
17 Ootacamund	..	..	..	..	..	..
Total	26	118	21	78	6,647	25,341

* Out of nine Travellers bungalows shown in the previous years, one bungalow at Vallam was converted into a school.

(v) Statement showing the names of inspection bungalows taken over during the year 1956-57 (1st November 1956 to 31st March 1957).

(a) Madras Circle	Nil.
(b) Tiruchirappalli Circle	Nil.
(c) Coimbatore Circle	Nil.

(vi) Statement showing the number of inspection bungalows maintained during 1956-57 (1st November 1956 to 31st March 1957).

Serial number and name of division.	Class I.	Class II.	Class III.	Rest house.	Revenue realised.	Cost of maintenance.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chingleput	..	..	..	..	..	577
2 South Arcot	..	..	..	..	..	18
3 Nagapattinam	..	..	..	..	..	..
4 Tanjore	..	..	..	..	..	..
5 Tiruchirappalli	..	6	..	..	492	1,217
6 Madurai	..	..	..	..	..	..
7 Ramanathapuram	..	..	..	..	..	..
8 Tirunelveli	..	..	..	..	..	..
9 North Arcot	..	..	..	..	..	..
10 Salem	1	1	..	..	291	1,274
11 Krishnagiri	..	..	..	..	..	..
12 Erode	..	..	..	..	..	..
13 Coimbatore	..	2	..	..	145	400
14 Ootacamund	..	3	..	..	226	1,678
Total	1	12	..	..	1,154	4,569

Note.—The revenue and expenditure figures shown against items 13 and 14 relate to the whole year of

ANNEXURE 29—cont.

(vii) Statement showing the names of travellers' bungalows taken over during the year 1956-57 (1st November 1956 to 31st March 1957).

(a) Madras Circle	Nil.
(b) Tiruchirappalli Circle	Nil.
(c) Coimbatore Circle	Nil.

(viii) Statement showing the number of travellers' bungalows maintained during 1956-57 (1st November 1956 to 31st March 1957).

Serial number and name of division.	Class I.	Class II.	Class III.	Rest-house.	Revenue realised.	Cost of maintenance.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chingleput	..	4	..	2	308	2,406
2 South Arcot	3	5	..	7	2,004	1,037
3 Nagapattinam	..	1	4	..	778	666
4 Tanjore	..	2	..	8	605	2,748
5 Tiruchirappalli	..	5	..	2	1,931	3,912
6 Madurai	..	2	..	..	10	240
7 Ramanathapuram	7	7	..	2	171	1,758
8 Tirunelveli	..	9	..	6	1,267	3,231
9 North Arcot	..	3	..	..	..	..
10 Salem	..	8	..	1	Not available.	
11 Krishnagiri	5	6	..	..		
12 Erode	3	5	1	7	..	..
13 Coimbatore	..	9	..	9	..	..
14 Ootacamund	..	..	..	..	..	..
Total	18	66	5	44	7,074	15,998

Miscellaneous.



PUBLIC WORKS DEPARTMENT

(Highways)

G.O. No. 2993, 19th October 1959

Administration Report—Highways Department—1956-57—Recorded with remarks.

READ—the following papers :—

From the Chief Engineer (Highways), No. 3660-H3/57-81, dated 17th January 1959.

From the Chief Engineer (Highways), No. 3660-H3/57-82, dated 20th January 1959.

From the Chief Engineer (Highways), No. 3660-H3/57-83, dated 27th January 1959.

Order—No. 2993, P.W. (Highways), dated 19th October 1959.

Recorded.

2. Consequent on the reorganisation of States with effect from 1st November 1956, the districts of Malabar and South Kanara and Kollegal taluk in Coimbatore district were transferred to the States of Kerala and Mysore respectively and the whole district of Kanyakumari and Shencottah taluk in the former Travancore-Cochin State were transferred to this State. Consequently there were changes in the jurisdiction of the Highways Department on and from that date.

3. During the year under report, 9,538 miles of Government roads were maintained by the Highways Department till 31st October 1956 and 31st March 1957, the total mileage of roads maintained by the department was only 8,557. The Highways Department also attended to 15,516 miles of roads of local importance which were under the administrative control of local bodies. In accordance with the accepted policy that the District Boards should be relieved of their responsibilities for the maintenance of Major District Roads in order to enable them to allot more funds for the maintenance of roads of local importance and also the roads newly formed under the various development schemes, the Department took over 454 miles of Major District Roads during the year under report from the control of the District Boards.

4. During the year under review, 8 miles of Government roads cement concreted, 579 miles of Government roads and 45 miles of District Board roads were blacktopped and 27 miles of new Government roads and 197 miles of new District Board roads were formed. Besides, 29 bridges and culverts on Government roads, and 19 bridges, culverts and causeways on District Board roads were constructed.

5. The year under review was the first year of the Second Five-Year Plan period. The Highways Department held a unique position in respect of the activities of the programme in the State in the Community Development and National Extension Service areas. All engineering personnel required under the scheme were lent from the Department and all possible measures were taken to ensure the fullest co-operation and participation with the block staff for the successful implementation of the programmes.

6. The Government of India sanctioned a final grant of Rs. 42.61 lakhs for the maintenance and repairs including special repairs of National Highways in this State during the year 1956-57, of which a sum of Rs. 40 lakhs was spent during that year.

7. The trees newly planted on Government roads and District Board roads during the year numbered 1,05,391 and 30,939 respectively, out of which 57,915 and 15,439 respectively survived. The total expenditure incurred for the maintenance of avenues on Government roads was Rs. 4,47,485, as against Rs. 92,864 on District Board roads, while the income derived from the avenues amounted to Rs. 8,42,482 and Rs. 1,39,861 respectively.

8. As many as 1,044 items of audit objections to the value of Rs. 2.67 lakhs were pending settlement at the end of the year under report, as against 1,618 items, for Rs. 267.82 lakhs at the beginning of the year. Every effort should be made to settle expeditiously such of the items as are still pending.

9. The administration of the Highways department during 1956-57 was satisfactory.

(By order of the Governor).

E. P. ROYAPPA,

Secretary to Government

To the Chief Engineer (Highways).

the Controller of Stationery and Printing, Madras.

all Collectors of Districts and the Collector of Madras.

the Rural Development and Local Administration Department.

the Public (Information and Publicity) Department.

32875