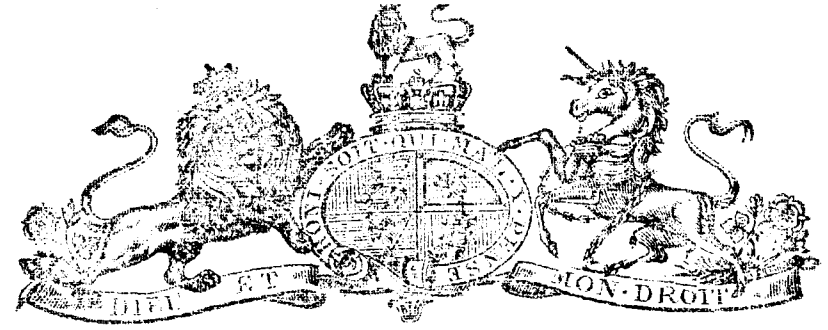




ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT

(GENERAL AND BUILDINGS AND ROADS),

MADRAS PRESIDENCY

FOR THE YEAR

1899-1900.

MADRAS:

PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

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Administration Report
of the

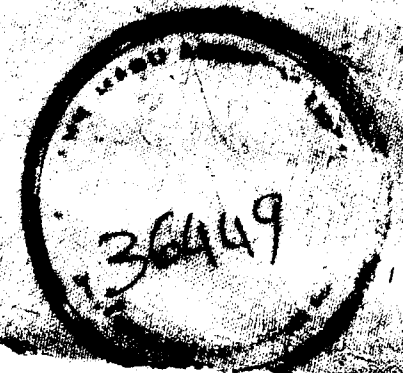
Public works Department

Madras Presidency

1899 - 1900



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* கொள்ளப்பட்ட *
* பிப்ரவரி மாதம் 1988 *
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* கையொப்பம் *

ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT, MADRAS,

(GENERAL AND BUILDINGS AND ROADS),

FOR THE YEAR 1899-1900.

Administration.—Mr. W. B. deWinton, who had gone on privilege leave in February 1899, resumed charge from Colonel A. W. Smart, R.E., of the appointments of Secretary to Government and Chief Engineer, Public Works Department, on the 4th May 1899, and continued to hold the following appointments throughout the year:—

- Secretary to Government, Public Works Department.
- Marine Department.
- Chief Engineer, Public Works Department.
- President, Sanitary Board.

Mr. W. Hughes, continued to hold the position of Chief Engineer for Irrigation and Joint Secretary to Government, Irrigation Branch, throughout the year.

The designation of Joint Secretary, Public Works Department, Railway Branch, was changed to Secretary to Government, Public Works Department, Railway Branch. The appointment was held by Mr. F. J. E. Spring, C.I.E.

Circle Charges.—Mr. W. C. DeMorgan, Superintending Engineer, 3rd class, temporary rank, retained charge of the I Circle till 10th March 1900, when he went on furlough; Mr. A. T. Mackenzie, Executive Engineer, 1st grade, officiated during the remaining part of the year. Mr. J. Hannan, Superintending Engineer, 1st class, retained charge of the II Circle during the year, except for the period of his absence on furlough from 19th April to the 20th October 1899, when Major W. M. Ellis, R.E., Executive Engineer, 2nd grade, officiated. Lieutenant-Colonel W. L. C. Baddley, R.E., Superintending Engineer, 2nd class, temporary rank, retained charge of the III Circle, throughout the year. Mr. A. H. Garrett, Superintending Engineer, 3rd class, continued in charge of the IV Circle till 7th February 1900, when he proceeded on leave. Mr. J. P. Davidson, Executive Engineer, 1st grade, officiated up to 20th March 1900, when Mr. C. H. B. Burlton, Executive Engineer, 1st grade, relieved him and continued in charge to end of the year. Colonel C. C. Rawson, R.E., Superintending Engineer of the V Circle, went on furlough on 5th April 1899. Mr. J. E. Paul, Executive Engineer, 1st grade, officiated till 5th May 1899, when Colonel A. W. Smart, R.E., assumed charge of the Circle in addition to his own duties as Superintending Engineer on special duty, Canvey Completion Estimates. Colonel O. V. Boddy, R.E., Superintending Engineer, held charge of the VI Circle throughout the year. Mr. G. S. T. Harris, Consulting Architect, continued to hold the office of Consulting Architect to Government during the year, except for the period of his absence on privilege leave for three months from 29th September 1899, when Mr. R. S. Paterson, Assistant Engineer, officiated. Mr. F. W. Ashpitel, Executive Engineer, 2nd grade, and Superintendent of Works, held charge of the Lighthouse division throughout the year.

ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT,

Divisional Changes.—The Anamalai Road project was constituted a separate division with effect from 1st August 1899. The control of the Public Works Stores and Workshops was, on Mr. H. A. Moss, Executive Engineer, 2nd grade, proceeding on leave from 3rd February 1900, vested in the Consulting Architect.

Casualties.—The undermentioned officers retired from the service:—

Mr. W. C. Lewis, Executive Engineer, 1st grade, on the 21st April 1899.

Mr. A. S. Russell, Executive Engineer, 1st grade, on the 17th June 1899.

Mr. J. E. Paul, Executive Engineer, 1st grade, on the 11th December 1899.

Mr. F. Heinig, Assistant Engineer, 2nd grade, on the 16th September 1899.

Mr. C. H. T. Norfor, Executive Engineer, 1st grade, on 13th February 1900.

The following statement shows the grants and expenditure under the several funds administered directly by the Chief Engineer and Secretary to Government, Public Works Department:—

Funds and Financial head.	Original grant.	Revised estimate.	Actual expenditure.
1	2	3	4
Imperial Military Works	Rs. 62,000	Rs. 82,141	Rs. 80,419
Civil Works	50,000	56,000	5,213
Provincial	30,89,000	23,30,000	27,19,784
Local Incorporated Funds	32,000	36,000	35,734
Excluded Funds	6,27,072	2,00,635	1,92,262
Contribution Works	..	..	2,10,419
Total ..	40,67,072	27,54,776	32,93,821

It will be seen that while the original grant under all heads amounted to Rs. 40,67,072, and the revised estimate to Rs. 27,54,776, the expenditure of the year was Rs. 32,93,821, of which a sum of Rs. 27,19,784 — by far the largest share of the outlay—was from Provincial Funds.

The distribution of expenditure under "departmental heads" is given in the following statement:—

STATEMENT showing Grant and Outlay during 1899-1900 under all heads of Buildings and Roads Branch, Madras Presidency.

Service heads.	Original works.		Repairs.		Total.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
IMPERIAL.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
44. Military Works.						
Works	14,265	12,444	48,245	49,054	62,500	61,498
Establishment	..	..	..	..	14,747	12,906
Tools and plant	..	..	..	..	1,114	812
Barrack Department—						
New supplies	..	..	..	..	800	647
Repairs	..	..	..	..	1,180	1,438
Establishment	..	..	..	..	1,700	2,058
Total, Military Works ..	..	..	..	..	63,141	60,419
45. Civil Works.						
Civil Buildings	28,200	23,202	17,645	16,188	45,845	44,388
Communications	..	..	..	..	..	..
Miscellaneous Public Improvements ..	..	..	..	..	10,304	10,167
Establishment	..	..	..	..	700	668
Tools and plant	..	..	..	..	..	..
Total, Civil Works ..	..	..	..	..	56,915	55,213
Total, Imperial ..	..	..	..	..	1,39,056	1,15,632

(GENERAL AND BUILDING AND ROADS).

Statement showing Grant and Outlay during 1899-1900 under all heads, &c.—cont.

Service heads.	Original works.		Repairs.		Total.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
PROVINCIAL.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
46. Civil Works.						
Civil Buildings	8,31,144	8,25,003	2,58,552	2,31,733	10,89,696	10,56,736
Communications	4,30,110	4,21,003	93,387	23,939	5,24,497	5,14,942
Miscellaneous Public Improvements ..	4,824	44,784	..	20,169	34,758	64,953
Establishment	..	..	..	..	7,19,009	6,72,780
Tools and plant	..	..	..	..	1,04,260	1,10,019
Expenditure accounts	..	..	..	..	..	1,18,304
Total, Provincial, Civil Works ..	..	..	..	..	24,34,318	27,19,784
Local Funds.						
5. Civil Works, Incorporated Local ..	..	..	..	..	36,331	35,734
Civil Works, Excluded Local ..	..	..	..	..	2,00,635	1,92,262
CONTRIBUTIONS.						
44. Military Works, Imperial	..	..	..	..	..	904
46. Civil Works, Imperial	..	..	..	..	..	4
Incorporated Local	..	..	..	..	..	1,71,583
Provincial	..	..	..	..	..	11,613
Civil Works, Excluded Local, University Fee Fund.	..	..	..	..	..	26,335
Estate Works	..	..	..	..	..	3,10,419
Total, Contributions ..	..	..	..	..	..	..
Grand Total ..	..	..	..	..	..	..

NOTE.—(1) Figures entered in column 6 represent final grants.
(2) Figures in italics are subject to revision.

The revenue collected by the agency of the Public Works Department was as follows:—

STATEMENT showing Revenue Receipts realized during 1899-1900 under all heads of accounts in the Buildings and Roads Branch, Madras Presidency.

Sub-heads.	XXXI Military Works.	XXXII Civil Works, Provincial.	XXXIII Civil Works, Incorporated Local.	Total.
	Rs.	Rs.	Rs.	Rs.
Rents of buildings	2,885	72,746	..	77,131
Sales of	176	10,541	..	10,717
of barrack furniture	76	..	..	76
of tools and plant	..	66,311	..	66,311
of produce	44	1,603	8,024	9,671
of old materials	34	4,766	..	4,800
Value of materials received from old buildings ..	..	4,124	..	4,124
Receipts from self-supporting workshops and net profits.	..	185	..	185
Unclaimed deposits	16	28,655	170	26,851
Fines, refunds and miscellaneous	..	..	..	..
Realized in Public Works Department	3,725	1,37,987	8,194	1,49,906
in Civil Department	..	..	..	..
Total ..	3,725	1,37,987	8,194	1,49,906

The following were the most important of the works in progress :—

MILITARY WORKS—IMPERIAL.

I Circle.—A well at Ampuva, estimate Rs. 1,030, was constructed during the year.

IV Circle.—Remodelling the present married quarters with out-houses at West Hill Calicut. —The total outlay on the work was Rs. 8,076 against the estimate of Rupees 10,680. The work has been practically completed, only the site has to be cleared and the compound wall repaired.

Armoury, Magazine, office-room and quarters for the Sergeant Instructor of the South Indian Railway Volunteer Corps at Pākala.—This work was stopped for some time and resumed in December 1899. The superstructure of the building was raised and the wood work for roofing laid. The work of plastering the lower storey was in progress.

The expenditure on the work up to date has been Rs. 6,312.

The following works remain for execution :—

- (1) Construction of quarters for the Medical officer, West Hill, Calicut.
- (2) Proposed improvements to the Butts at Cannanore.
- (3) Huts for the transport followers at Malapuram.

VI Circle.—Five minor original works were completed at a cost of Rs. 223.

Twenty-six out of thirty works, under repairs, were completed at a cost of Rs. 6,816, which sum includes a payment made to the Trichinopoly Municipality for the maintenance of the water-works and the roads in the cantonment.

IMPERIAL—CIVIL WORKS.

I Circle.—Constructing a seventh-class Post office with Postmaster's quarters at Gokavaram, Gōdāvari Eastern division, estimate Rs. 1,440, outlay Rs. 595.

The following minor works were completed during the year :—

- (1) Constructing a compound wall around the Post office at Salur.
- (2) Providing glazed windows to the combined Post and Telegraph office at Gopalpur.

II Circle.—The work of constructing a combined Postal and Telegraph office at Venkatagiri, estimate Rs. 2,490, was put in hand early in December 1899. Funds having been allotted in November 1899, an outlay of Rs. 2,007 was incurred during the year.

III Circle.—The Post office at Anantapur was completed during the year and the quarters for mail sorters at Guntakal was in progress. There was an outlay of Rs. 283 against an estimate of Rs. 310, on these works. An expenditure of Rs. 520 was incurred in sinking a well in the compound of the Post office, Rajampet and repairing the Post office at Jammalamadugu.

A total outlay of Rs. 1,089 was incurred in improving the Telegraph offices at Bellary and Guntakal and the signaller's quarters at the latter station.

IV Circle.—Providing accommodation for the Post and Telegraph offices at Wandiwash. —This work was provided for at a cost of Rs. 620, in the estimate of Rs. 2,365 for improving the Taluk cutcherry, and was not commenced till January 1900. The outlay incurred to date was Rs. 270.

V Circle.—An estimate of Rs. 1,630 for repairing the Post and Telegraph office at Tindivanam was sanctioned, and the work partly done.

VI Circle.—Constructing a combined Post and Telegraph office at Kodaikānal.—Estimate Rs. 5,450.—Rupees 3,597 were spent during the year. The building was completed except fencing, and handed over, the total expenditure on the work being Rs. 5,243.

The following minor works were completed during the year :—

- (1) A fourth-class Post office, with Postmaster's quarters at Perambalur, estimate Rs. 2,490.

- (2) Converting a portion of the old Taluk cutcherry at Jayankondasālapuram into Post office and Postmaster's quarters, estimate Rs. 540.
- (3) Improving the office of the Superintendent of Post offices, Trichinopoly, estimate Rs. 980.
- (4) Converting a portion of the bomb proof barracks into an office-room for the Deputy Commissioner of the Salt and Abkari Department.
- (5) Improvements to the Post office at Pāmban.

The following yet remain to be carried out :—

- | | |
|--|--------------------------------|
| (1) Constructing a Post office at Uthamapalaiyam. | } Estimates under preparation. |
| (2) Constructing a Post office at Tondi. | |
| (3) Constructing a Post office at Sivaganga. | |
| (4) Improvements to the Telegraph office at Pāmban | Estimate sanctioned. |

Observatory Building at Kodaikānal.—Estimate Rs. 35,850.—Work in charge of the Consulting Architect and completed. The expenditure during the year was Rupees 12,490; certain minor works still remain for execution. A supplemental estimate has been sanctioned.

The residence for the Astronomer and quarters for the establishment were also completed, with the exception of certain minor items which are being carried out.

PROVINCIAL.

CIVIL BUILDINGS.

Forest.

IV Circle.—Converting the old Jail Hospital at Chittoor into a District Forest office.—An incomplete work of last year. It was completed during the year, the total outlay being Rs. 3,113 against the sanctioned estimate of Rs. 2,995.

Customs.

I Circle.—Constructing a new Sea Customs office at Vizagapatam.—Estimate Rupees 20,499.—Masonry of the lower storey almost finished; walls of the upper storey raised 4 feet high. The total outlay was Rs. 18,375; a revised estimate is under preparation.

Improvements to the east godown of the Sea Customs office at Cocanada.—The work was completed with an expenditure of Rs. 2,299 against the sanctioned estimate of Rs. 2,700.

IV Circle.—Reconstructing the burnt portion of the Sea Customs godown at Calicut.—Estimate Rs. 14,000.—Work completed. A sum of Rs. 7,694 was spent during the year, the outlay to date being Rs. 13,478.

Corrugated iron warehouse at Mangalore.—Estimate Rs. 11,569.—Work completed by departmental agency at an outlay of Rs. 11,489.

Constructing a Sea Customs office at Baindur.—Rs. 1,005 were spent in collecting materials for the work. The abandonment of the work having been subsequently ordered, the materials have to be otherwise disposed of.

Consulting Architect's Division.—Constructing an open corrugated iron roof shed at the Sea Customs house, Madras.—Work completed and handed over at a total outlay of Rs. 3,732 against the estimate of Rs. 3,590. A shed with corrugated iron roof at the Customs House, Madras, for the use of the Appraiser's department was also completed during the year at an outlay of Rs. 3,784.

Land Revenue Buildings.

I Circle.—First-class Taluk office at Palkonda.—Estimate Rs. 32,470.—Work completed and handed over to the Revenue Department, but accounts not closed, the final bill of the contractors remaining unsettled. The total outlay was Rs. 31,973.

ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT,

First-class Taluk office at Narasapatam.—The accounts of this work had not been closed, although the building was handed over in 1898-99. The contractor refused to accept payment in final settlement of his claim during the year. The amount due to him, viz., Rs. 1,320-4-5, has been credited to "deposits" and the accounts of the work closed. Outlay on the work Rs. 44,265; estimate Rs. 42,600.

Constructing a Deputy Tahsildar's office at Gunupur.—Estimate Rs. 11,550.—Work practically completed. The accounts will be shortly closed, and the building handed over to the Revenue Department. Total expenditure Rs. 11,597.

A Deputy Tahsildar's office at Jeypore.—was commenced in March 1899 and was in progress throughout the year. The roof has yet to be tiled and the floor paved with cutstone flags. The total outlay to end of the year was Rs. 14,051 against the estimate of Rs. 18,530.

Constructing a Deputy Collector's office at Ellore.—Estimate Rs. 19,900.—Work completed, except fitting the lightning conductors. The expenditure during the year was Rs. 4,782, and the total outlay to end of the year Rs. 20,061.

Stationary Sub-Magistrate's office at Rajahmundry.—Estimate Rs. 8,060.—Almost completed. Outlay to end of the year Rs. 6,672. Some additions and improvements to the Deputy Tahsildar's office at Prattipad were carried out at an outlay of Rs. 2,880.

Constructing a Treasury room attached to the Collector's office at Chatrapur.—Estimate Rs. 8,400.—Work practically completed during the year, the total expenditure being Rs. 7,331.

The following works yet remain to be carried out:—

- | | | |
|--|-----|--|
| <i>Ganjam Division.</i> —(1) Constructing a new office for the General Deputy Collector at Russelkonda | ... | Estimate sanctioned. |
| (2) Improvements to the Tahsildar's office at Russelkonda | ... | Estimate completed. |
| (3) Combined office for the Deputy Collector and Deputy Tahsildar at Chatrapur | ... | Estimate submitted. |
| (4) Constructing a Deputy Tahsildar's office at Surada. | ... | Estimate sanctioned. |
| (5) Additions and alterations to the Principal Assistant Collector's office at Chicacole. | ... | Estimate under preparation. |
| (6) Deputy Tahsildar's office at Parlakimedi | ... | ... |
| (7) " " at Tekkali | ... | ... |
| <i>Vizagapatam Division.</i> —(8) Deputy Tahsildar's office at Vizagapatam | ... | Estimate submitted. |
| <i>Goddavari Eastern Dn.</i> —(9) New Taluk office at Ramachandrapur | ... | Preparation of estimate deferred pending receipt of the revised type design for Taluk offices. |
| (10) Constructing a new Collector's office at Cocanada. | ... | Estimate submitted. |
| (11) Improvements to the Deputy Tahsildar's office at Pittapur | ... | Estimate sanctioned. |
| <i>Goddavari Central Dn.</i> —(12) First-class Taluk office at Amalapur | ... | Estimate sanctioned. |
| <i>Goddavari Western Dn.</i> —(13) Deputy Tahsildar's office at Polavaram | ... | Estimate sanctioned. |
| (14) " " at Chintalapudi | ... | Do. |
| (15) Special Assistant Agent's office at Polavaram | ... | Estimate under preparation. |

II Circle—Kistna Northern Division.—Constructing a Deputy Tahsildar's office at Macherla.—Estimate Rs. 26,000.—An incomplete work of last year, almost completed.

The accounts of the following completed works of the previous year were closed during the year:—

Constructing a first-class Taluk office at Guntur.

" " at Vinukonda.

" " at Narasaraopet.

Constructing a ryots' shed in the compound of the Taluk office at Vinukonda.—Work was commenced late in the year and is in progress, estimate Rs. 900; outlay Rs. 380.

Kistna Eastern Division.—A first-class Taluk office at Gudiyada was completed and handed over to the Revenue Department during the year, the total outlay being Rs. 52,003. The accounts, however, were not closed owing to the non-settlement of compensation for land.

The following works were completed and completion reports sent for Nos. (2) and (3):—

- (1) A ryots' shed in the compound of the Gannavaram Taluk office.
- (2) A ryots' shed in the compound of the Deputy Tahsildar's outcherry at Avanigadda.
- (3) A rain-gauge pillar and railings at the Salt factory at Pandraka.

Nellore Division.—An estimate of Rs. 38,230 for constructing a first-class Taluk office at Ongole was sanctioned in July 1899. The building was practically completed during the year.

III Circle.—*Bellary Division.*—The construction of the Taluk outcherry at Kalyandrug is being done departmentally. The main building was brought up to basement level and the latrine and cook-house built to full height of masonry walls.

Constructing a first-class Taluk outcherry at Madakurra.—an incomplete work of last year.—Was completed during the year and handed over to the Revenue Department.

Dharmavaram Taluk outcherry.—The accounts of the work were closed, the total outlay exceeding the estimate by Rs. 6,399. A completion report is being sent.

Cuddapah Division.—Constructing a Deputy Tahsildar's office at Chitvel.—An estimate of Rs. 31,905 for this work was sanctioned in January 1900. It is being done departmentally and nearing completion.

Kurnool Division.—The construction of the Taluk outcherry at Pattikonda was in progress during the year and the main building has been completed; a revised estimate is under preparation.

Constructing a Stationary Sub-Magistrate's office at Nandyal.—This building was completed, during the year at an outlay, Rs. 1,855, in excess of the sanctioned estimate.

Constructing Taluk outcherry at Nandikotkur.—An outlay of Rs. 25,853 has been incurred up to date. The work is in progress.

Constructing upper storey for the Collector's office at Kurnool.—A revised estimate of Rs. 31,060 was sanctioned in October 1899. The work is being carried out departmentally and by piece-work, and is in good progress.

The following works remain to be done:—

- (1) A Stationary Sub-Magistrate's office at Pennakonda
 ... | Estimate submitted. |- (2) Rerecting the record-room of the Collector's outcherry, Bellary
 ... | Estimate returned for correction. |- (3) Deputy Tahsildar's office at Kamalapur
 ... | Estimate under revision. |- (4) Deputy Collector's office at Sidhout.
 ... | Estimate sanctioned. |- (5) Sub-Magistrate's office at Rajampet.
 ... | ... |- (6) District Munsif's Court at Madanapalle
 ... | Estimate under preparation. |- (7) A Deputy Tahsildar's office combined with a Sub-Registrar's office at Atmakur
 ... | Estimate submitted. |- (8) Taluk office at Ramaliskotta
 ... | Estimate under preparation. |- (9) Do. at Giddalur
 ... | Estimate submitted to Government. |- (10) Do. at Koilkuntla
 ... | Estimate under preparation. |- (11) Deputy Tahsildar's office at Kalva.
 ... | ... |

IV Circle—Coimbatore Division.—Improvements to the Collector's Office and attached buildings at Coimbatore, estimate Rs. 10,400.—The work was completed and handed over, but the accounts were not finally closed. Total expenditure on the work, Rs. 9,381.

Salem Division—constructing a Deputy Tahsildar's Office at Rasipur, estimate Rs. 16,100.—The work was carried out departmentally and was practically completed. It was handed over in April 1900, the total outlay being Rs. 15,793.

Constructing a Stationary Sub-Magistrate's Office at Athur, estimate Rs. 8,700.—A sum of Rs. 2,871 was spent during the year. Work brought up to basement level, all the wood work ready, the superstructure remains to be done.

Constructing a Taluk cutcherry at Tiruppattur.—The building was provided with wire fencing during the year at an outlay of Rs. 1,632.

West Coast Division—constructing a first-class Taluk Office at Kasaragod.—The work was completed and handed over to the Revenue Department, the total outlay being Rs. 34,600 against the sanctioned estimate of Rs. 35,921.

The following works remain to be carried out:—

Coimbatore Division.—(1) Constructing a Deputy Tahsildar's office at Perundurai.

Salem Division.—(2) Improvements to the Dy. Tahsildar's office at Namakkal.

West Coast Division.—(3) Taluk cutcherry at Manantoddy.

(4) Do. at Palghat.

(5) Do. at Udipi.

North Arcot Division.—(6) Improvements to the Dy. Tahsildar's office at Kuppam.

(7) Do. to the Taluk office at Puttur.

(8) Ryots' shed at Wandiwash Taluk cutcherry.

(9) Extending the Taluk cutcherry at Wallajah.

V Circle—Chingleput Division—Constructing Deputy Tahsildar's Office at Sathiavedu, estimate Rs. 14,600.—The work is being done departmentally and will, in all probability, be completed in 1900-1901. In the previous year the walls had been raised to full height and the wood work got ready, excepting a few trusses. The roof, which is to be of Mangalore tiles, will shortly be put on. The year's outlay was Rs. 8,339. A sum of Rs. 1,214 was spent on the work of repairing the Collector's cutcherry. Home's Gardens, Saidapet.

South Arcot Division—constructing ryots' shed, latrines and compound walls with gates to the Taluk office at Chidambaram, estimate Rs. 3,050.—The work was started in May 1899, but the contractor having failed, much progress could not be made. The compound wall in rear was finished and the latrine brought up to basement. The work is now in good progress.

Tanjore Division—Public Offices at Tanjore.—The buildings are almost completed. Some details yet require attention before the work can be finally handed over. The outlay during the year was Rs. 41,173.

Negapatam Division—constructing a Taluk Office at Tirutturaippundi.—Materials have been collected, and the land acquired.

The work of improving and repairing the Taluk office at Mannargudi is in progress.

The following works remain to be carried out:—

(1) Additions and improvements to the Taluk office at Kallakurichi.

(2) Providing record racks for the new Collector's office, Cuddalore.

(3) Constructing a new Taluk office at Vriddhachalam.

(4) Constructing a new Deputy Tahsildar's office at Mannargudi.

VI Circle—Trichinopoly Division—extending the strong room of the District Treasury and converting the plunge bath into a store-room in the Collector's Office at Trichinopoly.—The work of extending the strong room was commenced during the year, and the conversion of the plunge bath into a store-room completed. The roof was removed and three cross walls and the side walls for a length of 60 feet raised to their full height. A total expenditure of Rs. 6,532 was incurred.

The following works remain to be carried out:—

- | | |
|---|---|
| (1) Providing Morton's patent wire fencing to the Thorayur Deputy Tahsildar's office. | } Estimate completed. |
| (2) Constructing a court-room for the Deputy Tahsildar's office at Manaparai. | |
| (3) Improvements to the Taluk Cutcherry at Musiri. | } Estimate sanctioned; work will be started soon. |
| (4) Improvements to the Taluk Cutcherry at Jayankondasolapuram. | |
| (5) Constructing a latrine in the Taluk Cutcherry at Perambalur. | } Estimates to be submitted shortly. |
| (6) Constructing a property room at the Deputy Tahsildar's Cutcherry at Thorayur. | |

Madura Division—constructing a Stationary Sub-Magistrate's Office at Periyakulam, estimate Rs. 9,000.—The work was completed at a total outlay of Rs. 8,308.

Constructing a Stationary Sub-Magistrate's Office at Dindigul, estimate Rs. 9,600.—This work was completed at a total expenditure of Rs. 9,930.

Constructing a Deputy Tahsildar's and Sub-Magistrate's Office at Paramagudi with sub-jail wards, estimate Rs. 18,300.—Part of the foundations excavated and materials being collected. Outlay during the year Rs. 4,819.

Additions and alterations to the Deputy Tahsildar's Office at Kodakanal, estimate Rs. 3,570.—Completed, the total outlay being Rs. 3,038.

Adding a record-room to the Sub-Collector's Office at Dindigul.—This work was completed at a total cost of Rs. 3,066.

Certain improvements to the Collector's office at Madura were completed at an outlay of Rs. 3,615. The work was in charge of the Consulting Architect.

The following works remain to be carried out:—

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| (1) Extending the Deputy Tahsildar's office at Tiruchuli. | } Estimates sanctioned. |
| (2) Extending the Deputy Tahsildar's office at Muthukolathur. | |
| (3) Constructing a combined office for the Tahsildar and Stationary Sub-Magistrate at Melur. | } Estimate under preparation. |

Tinnevely Division—Remodelling and terracing the roof of the Correspondence Department of the Collector's Office at Tinnevely.—This work was commenced in November 1899; all wood work fitted and terracing to main hall in progress. The work will be shortly completed.

The following works remain to be carried out:—

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|---|--|
| (1) Combined office for the Tahsildar and Sub-Magistrate at Ottappidaram. | } Estimates to be prepared on receipt of revised type designs. |
| (2) New Taluk office at Nanguneri. | |
| (3) Improvements to the Taluk office at Tinnevely. | } Estimate under correspondence. |

Consulting Architect's Division.—Certain minor additions to the Paper Currency office and connected buildings were completed during the year.

RESIDENCES FOR LOCAL GOVERNMENTS AND SECRETARIAT OFFICES.

Additions to the Secretariat buildings at Ootacamund.—This work was completed at the commencement of the year.

Certain minor additions to the Government Houses and connected buildings at Guindy and Madras were completed.

Minor additions to Government House, Ootacamund, and connected buildings.—The work was begun and completed during the year. It included some detached works, such as constructing blocks for bandmen, etc.

Minor additions to Government Houses at Guindy and Madras.—Incomplete works of the previous year completed during the year under review.

Stamp and Stationery Office at Madras—Minor additions to the Stamp and Stationery Office.—The work was sanctioned and completed during the year.

EDUCATIONAL—GOVERNMENT COLLEGES.

Consulting Architect's Division—Providing fittings and furnishing the Chemical Laboratory at the Presidency College, estimate Rs. 31,345.—Almost completed, except the laying of the gas main; outlay during the year Rs. 2,507, and total outlay to end of year Rs. 28,573.

Additions to the College of Engineering, estimate Rs. 41,260.—Work in progress. The foundation and basement complete. Outlay during the year Rs. 5,258.

Government Schools.

I Circle—Normal and Union Schools for the Training College at Rajahmundry, estimate Rs. 81,000.—The work completed except the wire fencing to be supplied by the Public Works Stores. The total outlay on the work was Rs. 57,331.

The following works remain to be carried out:—

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|---|-----------------------|
| (1) Constructing a building for the Government Girls' school at Berhampore. | } Estimate submitted. |
| (2) Constructing a building for the Government Girls' school at Bhimavaram. | |
| (3) Constructing a building for the Government Girls' school at Palcole. | } Estimate completed. |

IV Circle—Additions to the Government Training School at Salem.—An outlay of Rs. 2,550 was incurred during the year. The verandah round the existing building was completed. The walls for the new portion were raised to the full height. Only roofing has yet to be done.

Constructing a Government Girls' School at Namakkal.—The work was almost completed. Outlay during the year Rs. 4,550.

Additions and alterations to the Reformatory School at Chingleput.—Progress on the work was retarded during the year owing to delay in the receipt of supplies from the Public Works Workshops, and in December 1899 the work had to be stopped pending the receipt of certain proposals from the Superintendent of the Reformatory School. Several sub-works, such as kitchens, godown, latrine, cowshed and stable for the Deputy Superintendent's quarters have been very nearly completed, and the school room, blacksmiths shop and tailors shed were in good progress.

ECCLIASTICAL.

I Circle—Removing and reroofing the existing roof of St. Paul's Church at Wallair—an incomplete work of last year—was completed during the year at an outlay of Rs. 3,064.

The following work remains for execution:—

Constructing a new church at Vizianagram.

II Circle—Church at Beswada.—This work was in charge of the Consulting Architect. The cost was partly met from Government and partly from contribution funds. The work was well advanced and expected to be finished shortly.

IV Circle—Improvements to St. Thomas' Cemetery at Oolacamund, estimate Rs. 5,520.—Work in progress under the Government Curator. The work was delayed by scanty rainfall.

V Circle—St. Thomas' Church at the Mount.—The work was begun on an estimate prepared by the Consulting Architect, but as several improvements were suggested and some minor deviation found necessary, a revised estimate of Rs. 6,130 has been prepared.

LAW AND JUSTICE.

I Circle.—A new Court-house for the District Munsif at Chidambaram, estimate Rs. 12,600.—The work was commenced early in the year, but was soon stopped, as good bricks were not available. The design was subsequently altered, random rubble and roughstone being substituted for brick in chunam. A revised estimate of Rs. 15,450 has been submitted. The expenditure during the year was Rs. 2,007.

A court-house for the District Munsif at Bhimavaram remains to be constructed.

II Circle—constructing a District Munsif's Court at Kanigiri.—An estimate of Rs. 15,600 was sanctioned in January 1899; the work was commenced only in June 1899, owing to delay in acquiring the site. Materials were in the meanwhile being collected. Burnt stone was, at the instance of the Superintending Engineer, substituted for brick, which was of inferior quality. During the year the building rose to a height of 8 feet above basement and the segmental arches over doors and windows were in progress. An outlay of Rs. 5,719 was incurred during the year.

IV Circle—New Court-house for the District Munsif at Udampalpet, estimate Rs. 19,770.—This work was commenced during the year and had been brought up to basement level by 31st December 1899, when it was stopped for want of funds. It has since been resumed.

Upper storey to the Sub-Judge's Court at Palghat.—The work was completed and handed over with a total outlay of Rs. 5,285 against the sanctioned estimate of Rs. 2,980.

The following works remain to be carried out:—

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|--|--|
| Constructing a new court-house for the District Judge at Coimbatore. | |
| Do. do. do. Munsif at Chittoor. | |
| Improvements to the District Court at Chittoor. | |
| Constructing a new court-house for the District Munsif at Badagara. | |
| Do. do. do. Munsif at Temelpuram. | |
| Do. do. do. Munsif at Taliparamba. | |

V Circle—constructing a Court-house for the District Munsif at Conjeeveram.—The progress on the work was impeded by the decision come too late in the year to use surki in the foundation which had to be dug over 9 feet deep and filled in with sand. A sum of Rs. 3,835 was spent on the work during the year.

Constructing a District Munsif's Court-house at Shiyah.—Rs. 3,016 were spent on the collection of materials. The new site was selected late in the year.

Constructing a District Munsif's Court-house at Villupuram.—This work is being carried out departmentally. The work was well in progress, the roofing to main building and portion of front verandah, and concrete flooring to three rooms have been completed.

Continued Magistrate's Court at St. Thomas' Mount.—Repairs to the extent of Rs. 1,284 were carried out. Work to the value of Rs. 2,146 remains to be done.

The following building remains to be provided:—

Constructing a District Munsif's court at Tindivanam.

VI Circle—Madura Division constructing a District Munsif's Court-house at Dindigul, estimate Rs. 18,050.—Archwork in rear verandahs were completed and joists laid over. The outlay during the year was Rs. 8,801 and the total expenditure Rs. 11,493.

Tinnevely Division.—Remodelling and terracing the roof of the Subordinate Judge's court at Kokkarakulam, estimate Rs. 4,280.—The work was commenced in November 1899, and practically completed during the year. It has been handed over to the Judicial Department, but the account of the work has not been closed. Total outlay, Rs. 3,890.

Constructing a District Munsif's Court at Sittur.—An estimate of Rs. 23,500 in course of submission. The outlay of Rs. 1,256, incurred on the work, represents land compensation charges.

The following works remain to be carried out:—

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|--|-------------------------------|
| (1) Constructing a District Munsif's Court at Srirangam. | } Estimates under scrutiny. |
| (2) Ryots' shed in the compound of the District Munsif's Court at Ariyalur. | |
| (3) Constructing a new court for the District Munsif at Periyakulam. | } Estimate under preparation. |
| (4) Constructing a District Munsif's Court-house at Sattūr. | |
| (5) Constructing a retiring-room for the District Judge in the District Court at Kokkarakulam. | } Estimate submitted. |
| | |
| | } Estimate under revision. |
| | |

Consulting Architect's Division, Presidency Magistrate's Court, Black Town, Madras.—The additions on the north side of the court were completed, but those on the west were held in abeyance, pending removal of the B. Division Police Station within the court-yard. Certain minor additions to the New Law Courts at Madras were completed at an expenditure of Rs. 2,841.

JAILS.

Central Jails.

IV Circle.—Deepening the main gate well in the Central Jail, Coimbatore.—The widening and deepening of the well completed, as also the steining work. Cistern walls raised to a height of 6 feet and pipes being fixed. The fixing of the hydrants and the construction of the cistern still remain to be done. An aermotor fixed to the well has not been working satisfactorily, the maximum discharge registered being 655 gallons instead of 2,400 gallons per hour.

Providing impervious flooring of cut-stone slabs in the Hospital building of the Central Jail at Coimbatore.—This work was completed and handed over at a total expenditure of Rs. 3,725 against the sanctioned estimate of Rs. 3,880.

Improvements to the Central Jail buildings at Salem, estimate Rs. 4,795.—The total outlay to date was Rs. 4,493. Work completed.

Consulting Architect's Division—increasing the cellular accommodation at the Penitentiary, Madras, estimate Rs. 50,674.—The cells were completed and handed over at an outlay of Rs. 45,887.

Constructing cells at the Penitentiary, Madras, estimate Rs. 7,486.—Work begun and completed during the year, outlay Rs. 6,833.

Minor additions to the Penitentiary and connected buildings, Madras—an incomplete work of the previous year; it was completed during the year at an outlay of Rs. 2,130 against the estimate of Rs. 2,707.

District Jails.

I Circle.—Constructing a Quarantine block in the District Jail at Berhampore estimate Rs. 5,250.—Work taken in hand in March 1900, and collection of materials commenced. Outlay during the year Rs. 610.

The following works remain to be carried out:—

- | | |
|---|--|
| (1) Re-roofing blocks I, III and IV in the District Jail at Berhampore. | } Estimate sanctioned in January 1900. |
| (2) Re-constructing main entrance in the District Jail at Berhampore. | |
| | } Preparation of estimate postponed pending reference to the Inspector-General of Prisons. |
| | |

IV Circle—adding two cells to the Sub-jails at Angadipuram, estimate Rs. 3,000.—Work completed. Total outlay Rs. 2,980.

The following works remain for execution:—

- (1) Constructing a row of cells in the Central Jail at Cannanore.
- (2) Providing iron palisading at back of the male and female wards in the Central Jail at Cannanore.
- (3) Additions and improvements to the buildings at the Central Jail, Vellore.

V Circle—Improvements to the Sub-jail attached to the Sub-Magistrate's Court at Tiruvadi—an incomplete work of the previous year. The building was completed and handed over to the Revenue Department in December 1899.

VI Circle—Improvements to the District Jail at Madura, estimate Rs. 7,840.—The outlay during the year was Rs. 985, the total outlay being Rs. 5,834. The work has been completed.

POLICE.

I Circle—constructing a Police Office, school, store-room and place of arms at Vizagapatam, estimate Rs. 25,000.—Work completed except clearing of site and wood-oiling.

Constructing a magazine and improving the station-house at Chintapalle, estimate Rs. 7,320.—A sum of Rs. 7,573 was spent, and the work was completed and handed over to the Police Department.

Constructing a police school building at Chatrapur.—Work completed and handed over. Total outlay Rs. 3,398.

The following works remain for execution:—

- | | |
|---|-------------------------------|
| (1) A second-class Police station-house at Gajapatinagaram. | } Estimate under preparation. |
| (2) A second-class Police station-house at Peddapuram. | |
| (3) Police station-house at Vizagapatam. | |

II Circle—constructing a third-class station-house at Karempudi—an incomplete work of the previous year; was completed with an outlay of Rs. 1,165, against the estimate of Rs. 1,210.

Constructing a third-class Police station-house at Pharangipuram.—Work commenced and completed during the year. Outlay Rs. 1,600. Estimate Rs. 1,680.

The Police buildings at Marulipattam, estimate Rs. 10,500.—Work almost completed. The total expenditure has been Rs. 15,012. The excess is reported to be due to an erroneous debit to the work which will be adjusted.

A second-class Police station-house is being constructed at Venkatagiri. Estimate Rs. 2,100. Outlay Rs. 1,786.

III Circle—constructing a second-class Police station-house at Harpanahalli, Bellary Division.—The work was commenced in July 1899 and was very nearly completed.

The undermentioned Police works remain to be completed in the Bellary division:—

- | | |
|-----------------------------------|--------------------------------------|
| (1) Police station, Bellary taluk | Estimate under check. |
| (2) Police station, Kampli | Estimate under correspondence. |

Kurugol Division—constructing Police Office, Kurnool.—An incomplete work of last year. A revised estimate of Rs. 32,000 was sanctioned in November 1899. Work almost completed.

IV Circle—Coimbatore Division—constructing a first-class Police station at Kollegal, estimate Rs. 2,560.—Commenced and completed during the year at a cost of Rs. 2,565.

The work of improving the old jail guard lines to adapt them for the accommodation of the Reserve Police was completed early in the year, but was not handed over, pending the construction of a latrine, which has since been completed.

A patent iron latrine for the Police constables at Coimbatore received from England was fixed and handed over during the year.

Salem Division—constructing a second-class Police station at Vaniyambadi.—The execution of the work was delayed owing to the failure of two contractors and some difficulty in fixing the site. Walls built to full height; the roofing and some other petty items yet remain. Total outlay Rs. 3,551.

West Coast Division—Permanent quarters for the Police force at Malapuram, estimate Rs. 35,800; outlay Rs. 18,500.—The Thiyar, Moplah and Bugler lines and the quarters with out-houses for the Inspector and two European Head Constables have

The following works remain to be carried out :—

- (1) Sub-Registrar's office at Raja-palayam.
- (2) Sub-Registrar's office at Vadak-kuveeravavullur.
- (3) Sub-Registrar's office at Morappanad.

Estimates will be prepared on receipt of the revised standard design.

Public Works Buildings.

I Circle—Residence for the Superintending Engineer at Waltair.—This building was originally intended for the use of the Executive Engineer, Waltair, but was subsequently ordered to be utilized, on completion, as a residence for the Superintending Engineer. The original estimate was accordingly revised, and the work completed with the exception of gravelling and wood-oiling. Outlay to date Rs. 17,035, of which more than Rs. 1,000 will probably be recovered by the sale of surplus materials at site.

Constructing a store-shed in the Executive Engineer's office compound at Berhampur. Estimate Rs. 6,440.—Work commenced in July 1899 and practically completed with a large saving, which will be utilized in excavating a well in the compound which is now in progress. The outlay during the year was Rs. 5,213.

Rest-house with out-houses at Cocanada, Estimate Rs. 8,250.—Work completed with a total expenditure of Rs. 7,410.

The following works remain to be carried out :—

- (1) Quarters for the Reserve, Audit and Taluk Inspectors of Police at Koraput.
- (2) Constructing a residence for the Special Assistant Agent at Polavaram.
- (3) Quarters for the Hospital Assistant attached to the Ganjam Collectorate.
- (4) Quarters for the Hospital Assistant, Chodavaramu.
- (5) Reconstructing the Sub-divisional office at Gannavaram.
- (6) Quarters for the Hospital Assistant at Polavaram.

III Circle—Bellary Division.—Estimates for seven rest-houses have either been sanctioned or are under preparation.

Kurnool Division.—The following buildings were completed during the year :—

- (1) Store-shed for famine tools at Cumbum.
- (2) Rest-house at Markapur.

And the following remain to be carried out :—

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|----------------------|--------------------------------|
| Do. at Kalva. | } Estimates under preparation. |
| Do. at Makur. | |
| Do. at Etikonda. | |
| Do. at Cumbum. | |
| Do. at Devrajagutta. | |
| Do. at Kollantla. | } Estimates under check. |
| Do. at Nandikotkur. | |

IV Circle—Salem Division.—Quarters for the Hospital Assistant in the Police lines at Salem, Estimate Rs. 1,400, Outlay Rs. 742.—Roof work and some petty items remain to be done.

Consulting Engineer's Office.—The following works, which were in charge of the Consulting Architect, were commenced and completed during the year :—

- (1) Additions and alterations to Secretariat clerks' quarters, Stonehouse Hill, Ootacamund. Estimate Rs. 3,550; outlay Rs. 3,518.
- (2) Quarters for inferior servants attached to Secretariat offices, Stonehouse Hill, Ootacamund. Estimate Rs. 6,730; outlay Rs. 6,720.

A residence for the Tahsildar at Kollegal has to be constructed.

VI Circle—Constructing a residence with out-houses for the Inspector of Police at Kodakanal, Estimate Rs. 4,020.—The work is approaching completion. The outlay during the year was Rs. 2,549 against the total expenditure of Rs. 3,665.

Residence for the District Forest Officer at Palamcottah, Estimate Rs. 10,510.—The work was commenced in September 1899 and completed with the exception of compound wall and gate which were in progress at the end of the year. The building was completed and handed over for occupation in April 1900. Outlay Rs. 9,436.

The following work remains for execution in the Tinnevely division :—

Residence for the Executive Engineer at Palamcottah. Estimate under revision.

The following works, which were under the charge of the Consulting Architect, were practically completed during the year :—

- (1) Quarters for the District Superintendent of Police, Madura. Estimate Rs. 12,784; outlay Rs. 5,294.
- (2) Quarters for the Executive Engineer, Madura. Estimate Rs. 12,640; outlay Rs. 9,474.
- (3) Quarters for the District Forest officer, Madura. Estimate Rs. 12,640; outlay Rs. 10,009.
- (4) Residence for the Judge with out-houses at Madura. Estimate Rs. 29,130; outlay Rs. 13,103.

COMMUNICATIONS.

I Circle—Road with masonry works from Kallikóta to Boirani, Estimate Rs. 87,800.—The road was completed during the year with a total expenditure of Rs. 88,514.

From girder bridge at Maha Singhi, Estimate Rs. 70,910.—In 1898-99 the approaches on only one side had been completed. Those on the other side were completed and metalled during the year under review. The accounts of the work have been closed and the bridge, together with other works in the Civil Agency sub-division, transferred to the Civil department on the abolition of the sub-division.

New Kalingia ghát road.—The jungle along the proposed line of road has been cleared and the estimates for the work are under correspondence.

The roads from Surada to Shergada via Bodogodo and from Boirani to Palasara were under investigation during the year.

Road from Koraput to Jeypore.—Estimates for permanent bridges to replace the existing temporary ones are under revision.

Bridges over the Kolab and Indravathi rivers in the Jeypore Zamindari.—The Maharaja of Jeypore having offered a contribution of Rs. 1,50,000 towards the work, borings were taken, data for rates framed, and surveys of the sites taken. Designs have yet to be settled before plans and estimates are prepared. The following works were maintained during the year :—

- (1) Road from Itikavalasa to Koraput. Outlay Rs. 24,450.
- (2) Kallikóta-Boirani road.
- (3) Road from Kalingia to Tikaballi.
- (4) Kalingia ghát road.
- (5) Boad road (10 miles).
- (6) Road from Kalingia to Udayagiri.

IV Circle—Anamalai road project.—The outlay during the year was Rupees 2,60,218. The following is the progress made :—

Aliar bridge.—This bridge of 7 spans of 66 feet was commenced in January and completed in October 1899. An experimental fender pile has been erected in front of the third pier where the river bed is deepest and the current strongest.

Anamalai road, 1st mile.—Complete and metalled throughout. The skew bridge over the Chinnar of three spans of 15 feet is in progress. A large road dam is being replaced by a culvert and embankment.

2nd mile.—Complete and metalled throughout. Lower Villony bridge of 30 feet span completed.

3rd mile.—Complete and metalled throughout. Upper Villony bridge of 30 feet span completed.

4th mile.—Earthwork, rock-cutting, revetments and parapets nearly completed. Slab culverts built. Rebuilding of a large fallen revetment in progress with foundation of roughstone in mortar. Metal under collection.

5th to 7th mile.—Earthwork, rock-cutting, revetments and parapets completed. Slab culverts in progress and metal collected.

been completed. The completed blocks have been handed over. Superstructure for a second block of Moplah huts almost completed and excavation for one block of Nair lines finished. Further work is in progress.

Office for the Assistant Superintendent of Police, Palghat.—The building was completed at an outlay of Rs. 4,454 and handed over.

Improvements to the Police Head-quarters Office, Calicut, estimate Rs. 7,550.—Work completed and handed over at a total outlay of Rs. 7,703. The work of constructing 145 Police huts at Mangalore was completed and handed over, the total expenditure being Rs. 31,143, against an estimate of Rs. 30,770.

V Circle—The work of reroofing the Head-quarters Police Office at St. Thomas Mount, estimate Rs. 5,700—was practically completed during the year, but the accounts remain to be closed. The original estimate was revised owing to the addition of a verandah and a few alterations in the original estimate. Outlay during the year Rs. 2,484.

The following buildings remain to be constructed:—

- (1) Second-class Police station-house at Chidambaram.
- (2) Office of the Superintendent of Police at Cuddalore.
- (3) Police Hospital and out-houses at Cuddalore.

VI Circle—Madura Division—constructing a Town Police station-house at Madura, estimate Rs. 3,180, outlay during the year Rs. 194, total expenditure Rs. 3,278.—Work completed.

The following works remain for execution:—

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|--|------------------------------|
| (1) Constructing a first-class station-house at Tiruchuli. | Estimates sanctioned. |
| (2) Constructing a third-class station-house at Vedasandur. | |
| (3) Constructing a third-class station-house at Sindupatti. | |
| (4) Constructing a third-class station-house at Sikkhel. | Estimates under preparation. |
| (5) Constructing huts for two head constables and three constables at Kodakanal. | |

Tinnevely Division—constructing a Second-class Police Station-house at Pettai, estimate Rs. 3,660.—A sum of Rs. 207 was spent during the year and the accounts closed. Total expenditure Rs. 3,657.

Constructing an office and residence for the Assistant Superintendent of Police at Tuticorin.—An estimate of Rs. 12,450 was sanctioned in August 1896. Outlay to date Rs. 12,847. The accounts of the work were closed and the building handed over.

The following works remain to be constructed:—

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|---|-----------------------------|
| (1) Constructing a first-class Police station-house at Trivilliputtar. | Estimate under preparation. |
| (2) Raising and fencing the compound wall of the office and residence of the Assistant Superintendent of Police at Tuticorin. | |

Consulting Architect's Division.—The following works were completed in the division:—

- (1) Minor additions to the house lines and connected buildings of the Madras City Police.
- (2) Constructing Washermanpett Police station.

MADRAS.

I Circle—Improvements to the Lunatic Asylum buildings at Waltair, Estimate Rs. 5,860.—Work completed at an outlay of Rs. 6,494.

Consulting Architect's Division—Additions to the Lunatic Asylum at Madras.—The work was completed and handed over at an outlay of Rs. 50,688.

Constructing a covered passage at the Maternity Hospital.—Work completed and handed over. Estimate Rs. 3,034; outlay Rs. 3,077.

Certain additions to the General Hospital, Madras, were carried out with a saving on the estimated amount. The scullery, however, is incomplete.

Improvements to the Chemical Laboratory of the Chemical Examiner.—Brickwork complete; interior fittings and furniture in progress.

The following works were completed during the year:—

Providing fittings to the physiological lecture-room, Medical College, Madras, and minor additions to the Medical Stores and connected buildings.

MISCELLANEOUS.

Registration.

I Circle—Registrar's office at Chattrapur, Estimate Rs. 4,100.—This building was completed at an outlay of Rs. 3,946 and handed over to the Registration department during the year.

The Sub-Registrar's office at Berhampur became untenable. An estimate for a new building will be framed as soon as a suitable site is selected.

The following work remains to be carried out:—

Sub-Registrars' offices at Peddapuram and Aska.

IV Circle—Salem Division.—The outlay on the Registrar's office at Salem during the year was Rs. 2,547. Walls raised to full height and woodwork to verandah completed. The roofing and plastering were not done owing to non-receipt of timber from Calicut.

The Sub-Registrar's office at Pennagaram was completed and handed over to the Registration department. The total outlay on the work was Rs. 2,532. The accounts, however, were not finally closed owing to certain defects in the structure which had to be rectified.

Sub-Registrar's office at Tirupattur, Estimate Rs. 3,360.—The outlay during the year was Rs. 1,039; the total outlay being Rs. 3,419. Building completed and handed over.

North Arcot Division—Sub-Registrar's office at Pallikonda, Estimate Rs. 2,630.—The only work that remained to be done was painting the compound wall which was completed at a cost of Rs. 208. Total outlay Rs. 2,332.

V Circle.—The main building of the Sub-Registrar's office at Salem was fully completed and the compound wall is in progress.

The following registration works remain to be carried out:—

- (1) Sub-Registrar's office at Srirangam.
- (2) Do. at Chidambaram.

VI Circle—Trichinopoly Division.—Sub-Registrar's office at Pullambadi—estimate Rs. 2,350—was completed at an outlay of Rs. 2,350.

Constructing a Sub-Registrar's office at Uppilapuram, Estimate Rs. 2,350.—Work completed at a total outlay of Rs. 2,637.

Constructing a Sub-Registrar's office at Lalgudi, Estimate Rs. 3,500.—Work completed at a total outlay of Rs. 3,589. The outlay during the year was Rs. 619, and the total expenditure Rs. 3,589.

Madura Division—Sub-Registrar's office at Aruppukottai, Estimate Rs. 4,480.—The work was completed at a total outlay of Rs. 5,005.

Sub-Registrar's office at Manamadurai.—Materials under collection. The year's outlay was Rs. 580.

The following work remains for execution in the division:—

Sub-Registrar's office at Kamudi.

Estimate to be prepared on receipt of revised standard design.

Tinnevely Division—Constructing a Sub-Registrar's office at Kadayamallur, Estimate Rs. 2,960.—Work completed and accounts closed. The total outlay was Rs. 2,948.

8th mile.—Earthwork, rock-cutting, revetments and parapets completed. Three wooden platform bridges constructed and slab culverts in progress. Metal under collection.

9th to 13th mile.—Earthwork, rock-cutting, revetments and parapets completed except in one short diversion. Collection of metal in progress; also construction of slab culverts.

14th mile.—Earthwork complete and rock-cutting in progress. Revetments and parapets begun.

15th to 15th mile.—Earthwork nearly completed and rock-cutting in progress.

19th mile.—Earthwork started.

20th mile.—Jungle-clearing started.

Good progress was made during the year, and the heaviest rock cutting has now been accomplished. The work remaining to be done in the miles which are incomplete presents no serious difficulty.

From the 21st mile the road is to be taken to the Monica estate, a distance of about 9 miles, and the estimate for this part of the road is under preparation.

A bridle-path is also to be made from the 21st mile to Sirukundru, and after crossing the Soliar it will be carried along the north bank of the river to join the cart road at Monica. Mr. Loam has already cut a 3-feet trace from the 21st mile to Sirukundru, and this was continued by Mr. Lutman down to the Soliar and to Monica. The conversion of this trace into a serviceable bridle-path will not be difficult and the estimate for the work will shortly be prepared.

West Coast Division—Improvements to the Sultan's Battery, Mysore frontier road.—The total expenditure to date has been Rs. 82,509 against the sanctioned estimate of Rs. 84,340. The most important work done during the year was the erection of the iron girder bridge over the Kullar Poya river. The bridge has been completed, except painting the iron work and completing the parapets. The bridge will be opened for traffic in May 1900.

An estimate of Rs. 88,600 for metalling 18 miles of the Chundale-Sultan's Battery road was sanctioned in June 1899. Good progress was made with the collection of road metal, but owing to the partial failure of the rains, much progress was not possible with laying and consolidating the broken stone. A sum of Rs. 32,445 was spent on the work during the year.

Pandalur road, Estimate Rs. 42,100.—Some minor bridges were commenced and completed during the year. A rolled iron girder bridge has been sanctioned for erection at 6th mile 2nd furlong of the road. Materials for this were under collection and brought to site of the work. A temporary bridge was erected at the site to help traffic.

Road from Melathur to Nilambur, Estimate Rs. 82,150.—Last year this road was shown to be sub-divided into three different sections, viz., road from (1) Melathur to Karivarakundu, (2) Karivarakundu to Kalikavu, and (3) Kalikavu to Nilambur, but it is practically one road, and the outlay shown against their respective estimates has been adjusted in the year under review. An outlay of Rs. 18,470 was incurred during the year, bringing up the total expenditure to Rs. 76,655.

Coimbatore Division—Havelock road at Ootacamund, Estimate Rs. 61,300.—This road, 4 miles 5½ furlongs in length, was in the immediate charge of Mr. J. F. Somers-Eve, Executive Engineer, and was opened for traffic in April 1899. Such work as erecting fences, guard walls, revetments, etc., were completed during the year under review. The road was cut up in many places owing to the use of blue metal and to lack of rain for consolidation, which defects, it is hoped, will be rectified during the forthcoming rains. The road will be maintained by the Public Works Department for a year and then handed over to the Municipality.

Road from Rosemount to Pykara Finger Post, Ootacamund, Estimate Rs. 23,440.—Site acquired and work in progress. Outlay Rs. 2,601. The work is in charge of the Consulting Architect.

Westbury-Segur road, Estimate Rs. 9,550.—There was an outlay during the year of Rs. 6,904, which includes a sum of Rs. 4,000 contributed by the Municipality. With the exception of turfing, all work was completed. A sum of Rs. 1,900, being charges for land acquired, has still to be adjusted.

Pallapalayam-Chinnar road.—The road is in the immediate charge of the Executive Engineer, with an overseer working under him. A total expenditure of Rs. 37,547 has been incurred on the work, of which Rs. 20,745 was incurred during the year under review.

The work of the road is divided into two sections, viz. :—

	Rs.
(1) Portion in the plains, estimate	9,300
(2) Portion in the ghât, estimate	28,980

Intermediate between these two there is a cart-track about 11 miles in length.

Work done on the plains.—The portion of the road on the plains which extends from Pallapalayam to Manupatty, a distance of 3½ miles, was completed.

Work done on the ghât.—The ghât portion extends from foot of ghât to the Chinnar river, a distance of 2½ miles. The road has been completed from the foot to 3,700 feet; between this and 3,900 feet there are two deep torrents to span for which bridges are under construction and approaching completion. From 3,900 feet to 5,600 feet the road has been practically finished with the exception of four girder bridges in course of completion. The road was levelled from 5,600 feet—the ridge of the ghât—down to the Chinnar river. Two more bridges have been found necessary, viz., one over the drainage at C.S. No. 37 of the plains portion of the road and the other over the Chinnar river in the ghât portion, for which estimates have been submitted. The cart-track between Manupatty and the foot of the ghât is reported to be almost unpassable for carts in wet weather. An estimate for its improvement or for an alternative line in case the existing track should, on account of the Amaravati river project, become useless will have to be submitted.

Ootacamund-Kullar road.—A sum of Rs. 34,479 was spent on maintaining this road; a further sum of Rs. 888 was spent in maintaining the suspension bridge at Kullar.

Salem Division—Surveying the Yercaud ghât road, Estimate Rs. 9,220.—The survey of the Mullapuram ghât was abandoned and a realignment of Captain Bailey's trace was ordered. The work was completed and an estimate submitted for sanction. The outlay during the year was Rs. 4,625.

Chingleput Division—Restoring the cross road connecting the Chunampet-Madurankam road with the Merkanam-Tindivanam road, an incomplete work of last year. It was proposed abandon this work. Its restoration was again undertaken on the condition that the District Boards of South Arcot and Chingleput and the Zamindar of Chunampet contributed towards the work. But the monsoons of 1898-99, so seriously damaged the road that it seemed doubtful whether its restoration would do any good. A revised estimate has, however, been ordered to be prepared. The outlay during the year, Rs. 356, represents the pay of watchman to look after the materials collected and the amount paid to a supplier of materials in adjustment of his claim.

Widening Marmalong bridge, Estimate Rs. 16,580; Outlay Rs. 17,076.—Work completed. The excess was due to the South Indian Railway adding 50 per cent. to their price for old rails. The work was in charge of the Consulting Architect.

VI Circle—Road from Bôdinâyakkannûr to Kotagudi, Estimate Rs. 1,00,000.—The outlay during and up to end of the year was Rs. 30,009. Work in progress.

The following works in the Madura and Trichinopoly divisions remain to be carried out :—

Constructing a bridle-path from Athur to Pannaikadu	Estimate submitted.
Extension of the Kodamurti road bridge	Estimate completed.

MISCELLANEOUS PUBLIC IMPROVEMENTS.

IV Circle—Filling in of the Ootacamund Lake.—The work is practically complete but liabilities to the extent of Rs. 832 were incurred in draining and raising the low parts in the Polo ground which settled during the year under review. The triangular corner at the Willow bund is to be filled in and sown over with grass; the accounts of the work will be closed as soon as this is done.

The following minor works were carried out during the year:—

(1) Filling in two pits below Willow bund. Estimate Rs. 1,725; outlay Rs. 1,784.

(2) Extending the supply channel to Ootacamund lake. Estimate Rs. 1,170; outlay Rs. 778.

V Circle.—An outlay of Rs. 6,164 was incurred on the conservancy of the river Cooum. Timely rains kept the water level in the Cooum fairly high and preliminary cuts in the bar were made in time and they worked well. There were no good floods to facilitate stirring up the river bed; efforts were therefore made to keep the surface clean and to remove floating weeds, filth, etc. The earthen dams at Harris' bridge and Munro's bridge were washed away in October 1899 and were restored soon after. It is proposed to construct masonry dams at these places when funds become available.

INCORPORATED LOCAL FUNDS.

COMMUNICATIONS.

II Circle.—Reconstruction of road over the Kistna anicut. Estimate Rs. 1,000; outlay Rs. 950.

Maintenance of the Kaikalur road along the side of the Polraz canal. Estimate Rs. 300; outlay Rs. 300.

The roadway over the Pennér anicut in the Nellore division was gravelled and repaired at a cost of Rs. 600.

V Circle—Negapatam Division.—Forming a village road from Latchmangudi village to Kottayam.—The road has nearly been completed. The outlay during the year was Rs. 1,235.

An estimate of Rs. 2,420 for widening the Pandavayar left bank for a village road from Vidayapuram to Pandavayar head was sanctioned and the work completed during the year.

The following roads in the South Arcot division were maintained:—

	Outlay.
	RS.
(1) Road on Veeranam tank bund	984
(2) Do. on Coleroon bank, 1 to 14½ miles	999
(3) Do. on Khan Sahib's canal	324
(4) Do. on Goverpett channel	89
(5) Do. on Vadavar bank	500
(6) Do. on Karupur channel bank	76
(7) Do. on Coleroon bank, 14½ to 27 miles	1,007

The length of road communications in the Tanjore and Negapatam divisions maintained during the year was 105 and 55½ miles, respectively.

VI Circle—Trichinopoly Division.—The following roads were maintained during the year at a cost of Rs. 2,274:—

(1) Road No. 20 from Sirudiyur to the Lower Anicut *via* Sangaraiyur.

(2) Road on the right bank of Lower Panguny channel from Povalur to Tirumangalam.

(3) Roads along the Iyar Kouakarai flood bank and those on the banks of the Iyen, Wyacondan and Nandyar channels.

EXCLUDED LOCAL FUNDS.

PORT FUNDS.

I Circle—Quarters with out-houses for the Port Officer at Vizagapatam. Estimate Rs. 10,500.—Work completed at an outlay of Rs. 12,333.

Investigation of Harbour improvements at Vizagapatam.—The observations of the currents, sand drift, prevailing winds, etc., in connection with improvements to the Vizagapatam Harbour, which had already been commenced were completed and a report with charts of soundings and surveys submitted to Government. The total expenditure on the investigation was Rs. 4,780 against the estimate of Rs. 6,150. There were assets in the shape of diving gear, etc., to the value of Rs. 2,000.

A dredger for the Cocanada bar was indented for from Engalud in 1898-99, but has not yet arrived. A sum of Rs. 13,875 was, however, charged for Hopper barges from England.

II Circle—Clearing silt by dredging and reclaiming foreshore below wharf wall and excavating a diversion from Sivaganga drain into creek below tidal lock at Masulipatam. Estimate Rs. 6,970.—Outlay during the year Rs. 6,106. Work nearly completed. A portion of a diversion cut from the Sivaganga drain to the tidal lock channel, however, remains to be done.

The demarcation of the port of Masulipatam was carried out at a cost of Rs. 94.

IV Circle—Reclamation of foreshore and erection of a pier at Mangalore.—An estimate of Rs. 71,800 was sanctioned for the work in December 1899. An outlay of Rs. 449 was incurred during the year.

Calicut pier repairs.—Some damage was done to the pier during the year owing to the high seas which prevailed during the monsoon. The damage consisted in the breaking of the wooden bracing to fender piles, the loosening of the wooden fender piles themselves, and the breaking of one of the diagonal iron ties between two of the iron piles of main structure. The fender piles were with some difficulty driven deeper into the sand and the other necessary repairs executed.

V Circle—South Arcot Division.—An estimate for repairing the wharf at Porto Novo is under preparation. A sum of Rs. 583 was spent on materials and on apparatus for forcing liquid cement, etc., supplied by the Public Works Workshops, Madras.

The following works were completed during the year:—

Negapatam Division.—(1) Light-keeper's quarters at Point Calimere. Estimate Rs. 2,260.

(2) Hurdle groynes at Negapatam. Estimate Rs. 4,725.

The Port office at Negapatam was being improved during the year, the outlay being Rs. 383.

VI Circle—Altering and enlarging the Port and Sea Customs offices at Tuticorin and providing therein quarters for the Port Officer. Estimate Rs. 21,350.—Six feet of masonry above basement was done; the woodwork is under preparation. There was an outlay during the year of Rs. 8,199 against a total expenditure of Rs. 10,802.

Fencing the foreshore at Tuticorin.—An estimate of Rs. 5,590 was sanctioned in July, 1898. A moiety of this amount is to be met from Provincial funds and the balance from Port funds. The total expenditure under Provincial has been Rs. 2,175, and the outlay, under excluded Local Funds, Rs. 1,793, thus bringing up the total expenditure on the work to Rs. 3,968. It was not fully completed and can not be till the proposed road on the foreshore is constructed.

The following works in the Tinnevely division remain to be carried out:—

(1) Customs shed at Tuticorin. Estimate submitted.

(2) Fencing and gate by the side of the customs shed at Tuticorin. Estimate sanctioned.

(3) Widening the pier for gangway for deck passengers. Estimate submitted.

(4) Forming a road over the foreshore. Estimate sanctioned.

(5) Two closed iron goods-sheds, 100' x 50'. Estimate to be submitted.

FAMINE RELIEF.

I Circle.—No works under this head were started or in progress during the year. A sum of Rs. 533-2-0 was spent in the Vizagapatam division on two works, viz., training the Sarada river below Merakada village above Thatakulapalem channel (Rs. 339-1-0) and embanking the surplus channel from Pedda Uppalam river channel (Rs. 194-1-0). Rs. 299* of the above outlay, viz., Rs. 104-15-0 + Rs. 194-1-0, respectively, represents land charges erroneously debited to 33. Famine Relief and will be written back to the ordinary head in the accounts for 1900-1901.

II Circle, Nellore Division.—Owing to the partial failure of the north-east monsoon, scarcity began to be felt in January 1900 in the upland taluks, especially those of Podili, Darsi, Kanigiri and Ongole. Towards the middle of February orders were issued to open out two major tanks of the Revenue Department (the Timmareddipalli Venkanna tank and the Gudipatipalli tank) for the relief of distress. An expenditure of Rs. 73 was thus incurred on removal of tools to the work spot. The attendance on these works was poor and the coolies struck work a fortnight after they were opened.

III Circle.—A few works in all four districts of the circle were opened to give relief to those that needed assistance, as the season was unfavourable and there was a scarcity of private work for the labouring classes.

Most of the test-works put in hand were irrigation works carried out on the intermediate piece-work system, which is reported to have worked satisfactorily.

Lighthouses.—The following lighthouses were inspected during the year and their condition reported on by the ordinary staff of the Public Works Department:—

I Circle.

Vakalapudi.

Hope Island.

*IV Circle.*Cochin.
Calicut.Cannanore.
Tellicherry.

Mangalore.

PUBLIC WORKS STORES AND WORKSHOPS.

Public Works Stores.—The closing balance of the year was Rs. 3,90,803-14-3 against Rs. 3,06,705-12-5 at the end of the previous year. The receipts during the year were as follows:—

	RS.	A.	P.
From London	93,501	1	1
" Public Works Workshops	15,924	0	0
" Public Works divisions	2,275	15	7
" Local purchases	1,41,533	11	6
" State Railways	121	8	8
" other departments	1,651	5	8
Provincial revenue	329	12	0
From tools and plant	56	4	0
Total	2,59,393	10	6

and the issues were—

	RS.	A.	P.
The Public Works Workshops	1,21,284	15	3
Other Public Works divisions	49,553	5	0
State Railways	210	0	0
Guaranteed Railways	59	1	1
Other departments	63	1	0
Tools and plant	4	3	4
Articles costing Rs. 10 each and less transferred to other divisions without value	120	13	3
Total	1,71,205	8	8

The closing balance of Rs. 3,90,803-14-3 includes the value of surplus stock and also value of such stock as was destroyed by fire, viz., Rs. 27,566-14-6, which has been written off the accounts.

Special stores to the value of Rs. 5,719-14-6 were obtained from England on account of other divisions and departments and were duly despatched to their destinations.

Instruments, tools and plant, and machinery were issued numerically to Public Works Provincial services, but at a valuation to other than Provincial services and to other departments to the extent of Rs. 56,351-14-10.

Stock was taken in February 1900 by Messrs. Hutton-Squire and Lawrie, Assistant Engineers, deputed for the purpose.

Public Works Workshops.—The value of work executed in the shops during the year was Rs. 3,47,841-4-8 against Rs. 2,61,336-11-9 in the previous year, showing an increase of Rs. 86,504-8-11.

The following statement shows the work done for each department as compared with that of the previous year:—

Department.	1898-99.	1899-1900.	Difference.	
			More.	Less.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Public Works Department	2,15,324 7 11	3,02,268 11 3	86,944 3 4	..
Military Works and State Railways	394 12 1	23 14 6	..	371 13 7
Other departments	1,557 8 8	40,603 9 1	..	38,046 1 3
Quasi-public bodies	3,830 4 5	773 4 1	..	2,837 0 4
Private parties	429 10 8	4,173 4 9	3,743 10 1	..
Total	2,61,336 11 9	3,47,841 4 8	86,504 8 11	4,183 4 6
Increase of work in 1899-1900	..	..	86,504 8 11	..

The increase under Public Works Department is due to Executive Engineers indenting largely on the shops and to the work done on the lift shutters for the Cauvery delta. The increase under "Private parties" is entirely due to the large order for engraved stamps given by the Mysore State. The decrease under other heads is partly due to fewer orders than usual from the respective departments.

The value of the machinery and plant in the shops at the beginning of the year was Rs. 92,903-9-0. Deducting the usual 4 per cent. for depreciation, viz., Rupees 3,716-2-3, and adding the receipts during the year, viz., Rs. 20,734-1-11, the balance at the close of the year amounted to Rs. 1,09,921-8-8. The expenditure on tools and plant and machinery was Rs. 24,557-15-4, of which that on new plant was Rs. 20,734-1-11. The new machinery obtained caused an increase in the outturn and also improved the quality of the work. The value of materials on hand at the end of the year was Rs. 2,278-0-1.

Dowlaiswaram Workshops.—The following is a statement of work done in the shops during the year under review as compared with that executed in the previous year:—

	1898-99.	1899-1900.	More than 1898-99.	Less than 1898-99.
	RS.	RS.	RS.	RS.
Works of the Public Works Department excluding centage	97,829	82,866	..	14,964
Works for other departments excluding centage	5,625	7,569	1,934	..
Works for private parties excluding centage	1,200	1,784	584	..
Total	1,04,655	92,209	2,518	14,964

The outturn of work for the Public Works Department was less than in the previous year. The cost of general charges, such as establishment, repairs to workshop buildings, new tools, etc., amounted to Rs. 6,580 against the total centage charges realized, viz., Rs. 14,129. There was thus a profit of Rs. 7,549 against that of Rs. 5,376 for 1898-99.

Lighthouse Division.

Lighthouse and subsidiary buildings at Havelock Point—Estimate Rs. 1,18,620.—During the year under review all works in connection with the lighthouse were completed except fixing apparatus. The outlay during the year was Rs. 10,447.

Lighthouse and subsidiary buildings at Manapad—Estimate Rs. 51,930.—The tower was completed, and the existing native lightkeeper's quarters converted into three kitchens and a store-room. Outlay during the year Rs. 894.

Lighthouse at Mulki or Kaph—Estimate Rs. 68,600.—Work started in January 1899, and the tower raised to a height of 31 feet above rock by March 1899. In addition to the tower, three sets of quarters for lightkeepers, cook-houses and oil store were completed, except a little finishing. The apparatus indented for from England was received but was taken to the Seven Pagodas lighthouse, as there was difficulty in landing it at Mangalore during the monsoon.

Lighthouse at Mangalore—Estimate Rs. 6,910.—The tower and oil store were completed with the exception of a few fittings. The lantern was removed from the old and fixed on the new lighthouse. The new light was opened on 1st May 1900. Expenditure during the year Rs. 1,367.

Lighthouse at Muttum.—The set of quarters done to basement level in 1898-99 was completed and two sets of quarters converted into quarters for lightkeepers and inspecting officers. Expenditure during the year Rs. 2,344.

Lighthouse at Pulicat—Estimate Rs. 27,300.—The work was started in April 1899. Two sets of lightkeepers' quarters, oil stores, and improvements to the old lightkeepers' quarters were completed and materials for the alterations of tower collected. These alterations will be carried out on arrival of the apparatus from England. Expenditure during the year Rs. 7,399.

Lighthouse at Seven Pagodas—Estimate Rs. 49,920.—Outlay during the year Rs. 19,076. The tower was completed, as far as was possible in the absence of apparatus, as also two sets of quarters, kitchen and oil store. The existing native lightkeepers' quarters were converted into a kitchen and store-room. The apparatus received for Kaph, which could not be taken there owing to the monsoon, was being fixed on the tower, the lantern being similar in every way to the one ordered for this lighthouse.

Quarters for lightkeepers at Kundapur, Hangarakotta and Malpi were constructed at a cost of Rs. 2,486, Rs. 2,321 and Rs. 2,832 respectively.

Rupees 342 were spent in constructing a cook-house to the lightkeeper's quarters at Hare Island, and outlay incurred on the following:—

- (1) Constructing dwarf wall at Masulipatam lighthouse, outlay Rs. 476.
- (2) Constructing boundary wall at Muttum lighthouse, outlay Rs. 70.
- (3) Preliminary expenses in connection with the lighthouse scheme, outlay Rs. 11.

An outlay of Rs. 2,595 was incurred in repairing the existing buildings at Hare Island, Muttum, Seven Pagodas and Pulicat lighthouses.

A sum of Rs. 226 was spent on cement-testing operations during the year.

CONTRIBUTION WORKS.

Works in Estates under the Court of Wards.—The works in the following estates were in charge of the Public Works Department.

- (1) *Ganjdm Division.*—Bodogodo, (2) Shergada; one work in the former, viz., repairs to out-houses in Bodogodo palace, commenced in the previous year, was completed at a cost of Rs. 583; in the latter estate repairs to Jayamangaladevar were in progress, the outlay during the year being Rs. 895.

IV Circle—Repairs to Sivacammadram Bridge.—An expenditure of Rs. 8,105 was incurred during the year against a contribution of Rs. 8,000.

The following were the works carried out:—

South Bridge.

- (1) Grouting and pointing.
- (2) Strengthening the bases of stone pillars with cement and surki concrete.
- (3) Fixing central and reconstruts with posts.
- (4) Repacking the old revetment with new stones.
- (5) Constructing masonry pillars and providing iron bars for parapet walls.
- (6) Painting top of pillars.

North Bridge.

- (1) Grouting and pointing to a portion.
- (2) Repacking the old revetment with new stones.

The following remain to be done:—

- (1) Providing edge stones in both the bridges with iron pegs fixed in hard rock.
- (2) Grouting and pointing a portion in the north bridge.
- (3) Strengthening the base pillars in both the bridges.
- (4) Painting top of pillars in the north bridge.

VI Circle—Madura Division.—The repairs to the Palayampatti estate bungalow occupied by the District Judge, Madura, were carried out at a cost of Rs 913, and investigations connected with the Kondalair and Niravi tanks were in progress. Estimates for repairs to the Provanthi bungalow and tank were forwarded to the Collector.

OTHER CONTRIBUTION WORKS.

I Circle, Vizagapatam Water Works—Estimate Rs. 4,35,000.—Work at a standstill for want of pipes, which are shortly expected. The area of the waterspread of the collecting reservoir was cleared of shrubs and wild growth and the two villages immediately above the reservoir cleared away. With the exception of a length of 350 feet at the Nulla, the bund of the reservoir, surplus weir and channel were all completed. The filling in of the gap and the gravelling of the top of bund remain to be done. Foundations of the tower and over-bridge have been completed and superstructure raised to revetment level. The iron bridge has been prepared at the Public Works Workshops and is awaited. Filter beds have been completed as far as was feasible in the absence of iron pipes and fittings. The service reservoir was also completed except plastering the interior with portland cement. Expenditure to date, Rs. 88,843.

Oceanada Water Works.—A revised estimate of Rs. 4,19,950 was sanctioned in November 1899. The clear water reservoir, which was recommenced in January 1899, was finished over in October 1899, and the cement plastering of the northern half of the reservoir nearly finished. The excavation of foundations for laying scour pipes was in progress, and the seep well sunk to 130. The roof of the store-shed completed, plastering, etc., in progress.

II Circle, Kistna Eastern Division.—The work of providing a fence of rails supported by stone posts from the bridge at Chintaguntapalem to the boat stand was completed and handed over.

IV Circle, North Arcot Division—Tirupati Water-supply.—This work was finished and handed over to the Tirupati Municipality on the 1st October 1899. There were certain defects which were all attended to, except enclosing land round head works which will be carried out on the acquisition of the site.

Coimbatore Division—Improvements to Ootacamund Water-supply.—Rs. 9,816 were spent during the year. Pipes and hydrants were laid and are in efficient working order. The dam leaked a great deal and a skin wall was built against it first, but it had not the desired effects as leakage continued round the right wing in particular. The leak has been largely diminished by filling in and revetting at rear. A good deal of work to the dam and reservoir has since been ordered. The Chairman of the Municipality has taken over the pipe line and hydrants.

Bezuada Workshops.—The outturn of the shops during the year amounted to Rs. 30,434 against Rs. 48,605 in the previous year. The work done is distributed between Irrigation and Provincial works nearly in the proportion of 9 to 5.

The following statements give full information as to the outturn and financial results of the working of the shops:—

No. I.—STATEMENT showing the outturn and centage, etc., debited to different heads during 1899-1900.

Period.	Irrigation works for which 26 per cent. is charged.		Works, public or private, for which 26 per cent. is charged.		Provincial work for which no centage is charged.		Total.	
	Outturn.	Centage.	Outturn.	Centage.	Outturn.	Centage.	Outturn.	Centage.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
1899-1900 ..	18,040	3,608	2,897	726	9,497	..	30,434	4,333

No. II.—PROFIT and Loss Account of Bezuada Workshops for the year 1899-1900.

Items.	Amount.	Items.	Amount.
	RS.		RS.
To cost of establishment—		By actual realization made on works due other than Provincial for indirect charges,	4,333
General establishment	5,342		
Repairs to buildings	619		
“ to machinery and tools and plant ..	3,826		
Total ..	9,787		
Loss ..	5,454		
Total ..	4,333	Total ..	4,333

* Exclusive of pay of Workshop Superintendent.

Government Brick and Tile Manufactory at Madras.—Operations were carried on during the year except for about six weeks when the kiln was under repair. The outlay on the manufacture amounted to Rs. 36,423-1-2 and the value of the outturn to Rs. 37,090-0-10, showing a profit of Rs. 666-15-8 on the year's working. The charges for land and kilns and also the general charges remained the same. Brick manufacture was also opened at Ootacamund during the year. The outlay was Rs. 8,001-4-3 and the outturn Rs. 8,204-0-2 thus showing a profit of Rs. 202-11-11.

Lime kilns.—The outlay on manufacture under this head amounted to Rupees 4,395-10-9 and the value of outturn to Rs. 4,204-6-9, showing a loss of Rs. 691-4-0. There was very little work on hand during the year and the demand for lime was small. The results on the operations both brick and lime—show a net profit of Rs. 178-7-7 which will be adjusted under the rules by credits to works in progress.

Service books.—The orders with respect to the due and correct maintenance of service books are reported to have received careful attention from all the officers of the department.

Inventory of valuable stock.—With the exception of the returns from the Madura and the Vizagapatam divisions which were received incomplete and that from the Consulting Architect which is under correspondence, the returns of tools and plant and office furniture are reported to have been correctly rendered to the Examiner, Public Works Accounts, by officers of the department.

LIGHTNING CONDUCTORS.

IV Circle.—Three lightning conductors were tested during the year in the Coimbatore division.

VI Circle.—The lightning conductor attached to Tirumal Naick's Palace at Srivilliputtur in which are located the Taluk office and the District Munsif's Court was tested during the year as were also the series of conductors attached to Tirumal Naick's Palace at Madura in April 1900.

BARRACK DEPARTMENT.

The control over the supplies and repairs of furniture required by the Barrack Department in the I Circle was transferred to the Public Works Department during the year. An expenditure of Rs. 22 was incurred under this head in the Vizagapatam division.

IV Circle—Coimbatore Division.—The supply and repair of furniture for the rest camps at Pedanur and Mettupalaiyam were undertaken by the Public Works Department, and necessary estimates prepared, but no expenditure was incurred during the year.

West Coast Division.—An allotment of Rs. 1,980 was placed at the disposal of the Public Works Department for the supply and repair of furniture at Cannanore, Calicut, Malapuram and Quilon, and the outlay incurred was Rs. 2,009.

EXECUTION OF MASONRY WORKS BY DEPARTMENTAL AGENCY.

I Circle.—This system which was in force in the Godavari divisions for a long time is reported to have worked well; the divisions, with their irrigation staff always available in the dry season and with their works situated in large centres being specially suited to departmental work in this Circle.

PERIODICAL EXAMINATION OF ROOF TIMBERS.

I Circle.—The roof timbers of buildings in the following divisions were examined during the year and arrangements are being made to replace unsound wood by sound materials:—

All the buildings in the Godavari Central division, in the Ganjam Division and the Godavari Eastern division with a few exceptions.

The examination of roof timbers in the Vizagapatam division was begun in the head-quarters, Yellamanchili and Vizianagram sub-divisions.

III Circle.—The roof timbers of a large number of buildings in the circle were examined and steps have been taken to replace all bad wood.

IV Circle.—The roof timbers of all the Government buildings were examined during the year.

ACCIDENTS.

Cyclone.—A heavy cyclone passed over the Negapatam division on 12th November 1899. The wind was exceptionally high and some damage was done to buildings.

Earthquake.—At about 3 a.m. on 8th February 1900, a shock of earthquake was felt. It was strongest in the IV Circle. Beyond a few cracks in the walls of some of the Government buildings, no damage was done.

APPENDIX A.

STATEMENT showing the expenditure on Major Works in detail and Minor Works and Repairs in lump sums during the year 1899-1900.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
I.—44. MILITARY WORKS—IMPERIAL.				
ORIGINAL WORKS.				
MAJOR.				
1. Accommodation for Troops.				
Remodelling the present married quarters with out-houses at West Hill, Calicut.	10,660	2,986	5,090	Work completed, except clearing site and repairing compound wall. In progress.
Armoury, store-room, magazine and quarters for the Sergeant-Instructor, South Indian Railway Volunteer Rifle Corps, Pákalá.	8,250	2,904	2,440	
Total ..	..	..	7,530	
MINOR.				
I Circle	..	..	600	
IV "	..	..	4,485	
V "	..	..	298	
VI "	..	..	222	
Consulting Architect	..	..	309	
Total ..	..	..	5,914	
REPAIRS.				
I Circle	..	..	5,112	
II "	..	..	860	
IV "	..	..	35,943	
V "	..	..	798	
VI "	..	..	6,716	
Consulting Architect	..	..	119	
Total ..	..	..	49,054	
BARRACK DEPARTMENT.				
New Supplies.				
I Circle	..	..	92	
IV "	..	..	625	
Repairs and Carriage.				
I Circle	..	..	8	
IV "	..	..	1,450	
VI "	..	..	40	
Total ..	..	..	2,145	
Grand Total ..	..	..	64,643	
II.—45. CIVIL WORKS—IMPERIAL.				
1. ORIGINAL WORKS.				
MAJOR.				
3. Sals.				
Communications.				
Constructing dam across Valvannar ..	8,900	801	— 15	Minus outlay represents value of materials at site transferred to other works.
Total ..	..	..	— 15	
6. Post Office.				
Constructing a combined Post and Telegraph office at Kodaikáñal.	5,450	1,046	3,697	Building completed and handed over. Only fencing to be put up.
Total ..	..	..	..	
Meteorological.				
Observatory building at Kodaikáñal ..	85,850	24,180	12,490	Building complete. Several small works have yet to be done. Completed. Certain minor additions under execution.
Residence for the Astronomer	20,778	15,873	1,955	
Quarters for establishment	11,980	8,411	791	
Total ..	..	..	18,573	

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
II—45. CIVIL WORKS—IMPERIAL—cont.				
I. ORIGINAL WORKS—cont.				
Minor.				
I Circle	..	..	1,389	
II "	..	..	2,046	
III "	..	..	294	
IV "	..	..	312	
V "	..	..	1,743	
VI "	..	..	2,606	
Consulting Architect	..	..	954	
Total ..	..	..	9,344	
REPAIRS.				
I Circle	..	..	3,289	
II "	..	..	1,465	
III "	..	..	1,621	
IV "	..	..	2,978	
V "	..	..	1,562	
VI "	..	..	2,983	
Consulting Architect	..	..	2,300	
Total ..	..	..	18,186	
Grand Total ..	..	..	44,388	
III.—PROVINCIAL.				
I. CIVIL BUILDINGS.				
MAJOR WORKS.				
1. Forests.				
Converting the old Jail hospital at Chittoor into a District Forest office.	2,995	2,799	314	Completed.
2. Customs.				
Constructing a new Sea Customs office at Viaggapattam.	20,499	8,076	16,299	Nearly completed.
Improvements to the Eastern Godowns of the Sea Customs office at Cocanada.	2,700	..	2,399	Completed.
Re-constructing the burnt portion of the Sea Customs godown at Calicut.	14,000	5,764	7,694	Do.
Constructing a corrugated iron warehouse at Mangalore.	11,569	9,877	1,612	Do.
Constructing a Sea Customs office at Baindur.	2,790	1,047	— 48	Abandoned.
Customs godown at Nagapatam	5,700	4,111	1,928	Completed.
Iron shed in the Sea Customs office, Madras.	3,590	1,371	2,361	Completed and handed over.
Erection of a shed for the use of the Appraisers' Department at the Customs House, Madras.	4,024	2,318	466	Completed.
3. Administrations.				
(4) Land Revenue Buildings.				
Constructing a treasury room attached to the Collector's office, Chitrapur.	8,400	1,534	5,797	Completed.
First class Taluk office at Narasapatnam ..	42,500	43,593	1,672	Do.
Do. do. at Paikanga	22,478	31,581	392	Do.
Deputy Tahsildar's office at Jeypore	18,580	730	13,321	In progress.
Do. do. at Gunupur	11,555	4,719	2,375	Completed.
Re-roofing the Taluk office at Fellinghi ..	3,940	2,775	18	Do.
Constructing a Stationary Sub-Magistrate's office at Rajahmundry.	8,660	867	5,866	In progress.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III.—PROVINCIAL—cont.				
1. CIVIL BUILDINGS—cont.				
Major Works—cont.				
B. Administrations—cont.				
(4) Land Revenue Buildings—cont.				
Improvements to the Deputy Tahsildar's office at Frattipad.	3,240	3,221	659	In progress.
Converting the original terrace roof of the additional buildings attached to the Collector's office, Coimbatore, into a flat-terrace roof.	2,540	721	1,490	Completed.
Deputy Collector's office at Ellur.	19,905	15,279	4,722	Nearly completed.
Improvements to the Taluk office at Narasapur.	3,500	7,324	950	Completed.
Stationary Sub-Magistrate's office at Tunkur.	10,750	8,475	2,227	Do.
Deputy Tahsildar's office at Macherla.	26,000	11,347	8,559	Very nearly completed.
First-class Taluk office at Guntur.	43,500	43,715	280	Accounts closed and completion report submitted.
Do. do. at Vinukonda.	39,440	40,978	998	Completion report sent.
Do. do. at Narasaraopet.	26,020	36,750	287	Completed, but accounts not finally closed.
Do. do. at Guntur.	56,200	52,227	224	Completion report sent.
Stationary Sub-Magistrate's office without Jail wards at Arundelpet, Bezavada.	11,750	10,385	1	Completed and handed over.
First-class Taluk office at Bapatla.	46,100	44,418	650	Practically completed.
Do. do. at Ongole.	38,230	21,806	13,690	Completed and accounts closed.
Taluk office at Madakasira.	49,683	35,854	4,080	In progress.
Do. at Dharmavaram.	36,682	42,113	32	Main building completed.
Do. at Kalyandrug.	44,590	3,961	12,611	Almost completed.
Deputy Tahsildar's office, Chitvel.	31,005	3,322	17,737	
Taluk office at Pattikonda.	36,610	25,302	3,611	
Constructing a Sub-Magistrate's office at Nandyal.	10,200	11,644	409	The lightning conductor has to be fixed.
Constructing outhouses, etc., to the Deputy Collector's office at Markapur.	4,545	5,860		In good progress.
Taluk office at Nandikotkur.	36,606	10,440	15,413	
Constructing an upper storey to the Collector's office, Kurnool.	21,080		13,612	Completed and handed over but accounts not closed.
Improving the Collector's office at Coimbatore.	10,300	8,534	847	Completed and handed over.
First-class Taluk office at Kasaragod.	35,921	14,100	20,500	Practically completed.
Deputy Tahsildar's office at Basapur.	16,100	6,583	9,260	Wire-fencing put up during the year.
First-class Taluk office at Tirupattur.	45,100	42,314	1,032	In progress.
Sub-Magistrate's office at Atur.	8,700		2,871	Do.
Deputy Tahsildar's office at Sathiyavada.	14,600	2,501	8,339	Completed.
Taluk office at Tiruvannamalai.	39,210	40,008	1,337	Do.
Sub-Magistrate's office at Tirukkoyilur.	6,908	6,467	172	In progress.
Constructing a ryot's shed and public latrine in the compound of the Taluk office at Chidambaram.	8,050		1,053	
Constructing public offices at Tanjore.	1,96,100	1,45,409	41,173	Practically completed.
Taluk office at Tiruturappundi.	42,120		5,421	In progress.
Do. at Maunargudi.	2,665		1,690	Do.
Extending the strong room of the District treasury and converting the plunge bath into a store room in the Collector's office at Trichinopoly.	11,600	1,000	6,682	Do.
Constructing a verandah record room for the Collector's office in Tirumal Naik's Palace at Madurai.	60,700	42,859	294	In abeyance. Minor outlay represents sale-proceeds of lands already acquired.
Improving the Collector's office at Madurai.	4,325		3,615	Completed.
Stationary Sub-Magistrate's office at Ponnaiyandam.	9,000		801	Do.
Stationary Sub-Magistrate's office at Dindigul.	8,650	7,704	2,076	Do.
Deputy Tahsildar's and Sub-Magistrate's office at Paramagudi with Sub-jail wards.	18,800		4,819	Materials under collection.
Additions and alterations to the Deputy Tahsildar's office at Kodakkal.	3,570	2,880	168	Completed.
Adding a record room to the Sub-Collector's office at Dindigul.	3,060	3,058	8	Do.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III.—PROVINCIAL—cont.				
1. CIVIL BUILDINGS—cont.				
Major Works—cont.				
B. Administrations—cont.				
(4) Land Revenue Buildings—cont.				
Remodelling and terracing the roof of the correspondence department of the Collector's office at Tinnevely.	6,800		4,681	In progress.
Improving the Revenue Board office at Chepak.	3,628	196	53	Completed.
Minor additions to the Paper Currency office and connected buildings, Madras.	4,165		3,788	Do.
(6) Residences for Local Governments and Secretariat Offices.				
Additions to the detached portions of the Government Secretariat buildings at Ootacamund.	17,660	13,878	4,234	Completed.
Minor additions to Government House and connected buildings, Guindy.	14,382		14,573	Do.
Minor additions to Government House and connected buildings, Madras.	5,320		5,368	Do.
Minor additions to Government House, Ootacamund, and connected buildings.	4,270		5,488	Do.
Minor additions to Government House, Madras, and connected buildings.	6,161	4,978	1,363	Do.
Additions to Government House, Ootacamund.	57,400		54,388	Do.
Minor additions to Government House, Guindy, and connected buildings.	7,008	5,249	286	Do.
(9) Stamp and Stationery Office.				
Minor additions to the Stamp and Stationery office, Madras, and connected buildings.	6,444		4,248	Completed.
10. Educational.				
(1) Government Colleges.				
Providing fittings and furniture for the Chemical Laboratory at the Presidency College.	31,345	26,066	2,507	Almost completed.
Additions to the College of Engineering, Madras.	41,390		5,253	In progress.
Constructing a library and connected buildings.	5,77,712	5,73,714	1,169	Completed.
(2) Government Schools.				
Normal and Union schools for the Training College at Rajahmundry.	61,400	54,621	2,351	Completed except wire-fencing.
Additions to the Government Training school at Salem.	5,100		2,550	Roofing still to be done.
Constructing a new Government Girls' school at Namakkal.	4,800		4,550	Practically completed.
Alterations and additions to the Reformatory school at Chingleput.	79,900	7,082	13,310	In abeyance.
11. Ecclesiastical.				
Removing and re-roofing the existing roof of St. Paul's church at Waltair.	3,200		3,064	Completed.
Constructing a church at Basavada.	17,680		4,000	In progress.
Improvements to St. Thomas' Cemetery, Ootacamund.	5,820		788	Do.
Improvements to St. Stephen's Church, Ootacamund.	7,800		1,900	Completed.
Improvements and extensions to the Protestant Cemetery at Pallavaram.	3,270	3,236	179	Do.
12. Law and Justice.				
(1) High Courts.				
Minor additions to the new law courts and connected buildings.	2,875		2,341	Completed.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III.—PROVINCIAL—cont.				
I. CIVIL BUILDINGS—cont.				
MAJOR WORKS—cont.				
12. Law and Justice—cont.				
(3) District Courts.				
New Courthouse for the District Munsif at Chodavaram.	12,500	..	2,007	Materials under collection.
District Munsif's Courthouse at Narasapur.	18,200	18,000	..	Accounts closed and completion report sent.
District Munsif's Courthouse at Kanigiri ..	15,600	3,903	5,719	In progress. Materials collected and site acquired.
Combined office for the District Munsif and the Deputy Tahsildar at Ootapalam.	88,390	38,354	799	Completed and handed over.
Upper storey to the Sub-Judge's Court at Pulghat.	2,980	54	3,231	Do. do.
New Courthouse for the District Munsif at Udumalpet.	19,770	..	8,186	In progress.
District Munsif's Courthouse at Conjeevaram.	17,010	2,013	3,835	Do.
New Courthouse for the District Munsif at Villupuram.	17,440	9,274	6,975	Do.
District Munsif's Courthouse at Shiyali ..	22,270	4,841	3,516	Do.
District Munsif's Courthouse at Pattukottai.	7,860	4,286	3,302	Nearly completed.
Do. do. at Dinilugal.	15,000	2,692	8,801	In good progress.
Remodelling and terracing the roof of the subordinate Judge's Court at Kolkurukulam.	4,280	..	3,890	Practically completed. *
District Munsif's Courthouse at Sattur ..	..	..	1,256	Estimate submitted for sanction. Outlay represents land compensation charges incurred by the Civil Department.
Additions to the Presidency Magistrate's Court, Black Town, Madras.	6,560	..	3,581	Portion of work held in abeyance.
13. Jails.				
(1) Central Jails.				
Improvements to the Central Jail at Salem.	4,795	4,035	468	Completed.
Deepening the main gate well in the Central Jail at Coimbatore.	13,580	8,416	9,535	Nearly completed.
Providing an impervious flooring of cutstone slabs in the hospital building of the Central Jail at Coimbatore.	3,880	2,454	1,271	Completed and handed over.
Increasing the cellular accommodation at the Penitentiary, Madras.	50,674	21,558	24,329	Do.
Constructing cells at the Penitentiary, Madras.	7,485	..	6,833	Completed.
Minor additions to the Penitentiary, Madras, and connected buildings.	3,707	1,731	390	Do.
(2) District Jails.				
Quarantine block in the District Jail at Berhampur.	5,250	..	610	Materials under collection.
Improvements to the District Jail at Madras.	7,840	4,849	985	Completed.
(3) Lock-ups.				
Adding 2 cells to the Sub-Jail at Manjeri.	2,820	2,820	167	Completed.
Do. do. at Angadipuram.	3,000	2,120	860	Do.
Improvements to the Sub-Jail attached to the Sub-Magistrate's Court at Tiruvadi.	4,130	2,380	1,579	Do.
14. Police.				
Constructing a Police school building at Chattrapur.	3,430	3,348	55	Completed and handed over.
Constructing a magazine and improving the station house at Chintapalli.	7,820	6,978	1,600	Completed.
Constructing a Police office, school, storeroom and place of arms at Vengalpetam.	25,500	9,792	13,766	Do.
Police buildings at Masulipatam ..	10,500	11,164	2,846	Completed except road in the compound.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III.—PROVINCIAL—cont.				
I. CIVIL BUILDINGS—cont.				
MAJOR WORKS—cont.				
14. Police—cont.				
Police station at Harpanahalla, Bellary ..	2,670	..	2,070	Nearly completed.
Police office at Kurnool ..	32,000	26,887	5,191	Do.
Improvements to the police head-quarters office at Calicut.	7,550	3,071	4,639	Completed and handed over.
Constructing 145 police huts at Mangalore.	30,770	30,772	371	Completed.
Constructing permanent quarters for the police force at Malaparam.	35,900	10,000	8,500	Completed and quarters handed over. Further work in progress.
Office of the Assistant Superintendent of Police at Palghat.	4,560	1,979	2,475	Completed and handed over.
First-class police station-house at Kollegal..	2,560	..	2,535	Completed.
Improving the old jail guard lines to adapt them for the accommodation of the Reserve Police at Coimbatore.	..	..	8,094	Minor expenditure due to transfer of previous year's outlay from original works to repairs.
Constructing a police hospital ward in the compound of the Local Fund Dispensary at Kollegal.	4,405	4,428	208	..
Constructing quarters, with out-houses, for a Reserve Inspector and a European Head Constable, and a latrine for Police Constables at Coimbatore.	6,720	..	1,025	Latrine put up. Quarters remain to be built.
Constructing a second-class police station at Vaniambady.	4,100	2,150	1,401	Very nearly completed.
Converting the old jail buildings at Chitnor into police huts.	11,020	8,260	2,695	Completed.
Re-roofing the Police Superintendent's office at St. Thomas' Mount.	5,700	2,978	2,484	Practically completed, but accounts not yet closed.
Quarters for the Reserve Police Inspector at Tanjore.	2,780	1,894	52	Completed.
Two police station-houses at Madras ..	3,180	3,084	194	Do.
Second-class police station-house at Tuticorin.	3,660	3,450	207	Completed and accounts closed.
Office and residence for the Assistant Superintendent of Police at Tuticorin.	12,460	12,560	297	Do. do.
Minor additions to the Madras City Police horse lines and connected buildings.	2,652	2,323	23	Completed.
Police station at Washermanpettah ..	12,675	12,780	105	Do.
15. Medical.				
Minor additions to the Madras Medical Stores and connected buildings.	3,249	1,351	1,466	Completed.
(1) Hospitals and Dispensaries.				
Hospital building with out-houses at Ponnasaram.	2,320	2,793	124	Completed.
Constructing a covered passage at the Maternity Hospital.	3,034	..	3,077	Completed and handed over.
Minor additions to the General Hospital and connected buildings.	6,742	..	3,512	Almost completed.
(2) Medical Colleges and Schools.				
Providing fittings to the Physiological Lecture-room in the Medical College, Madras.	2,990	115	4,573	Completed.
Improvements to the Chemical Laboratory of the Chemical Examiner, Medical College, Madras.	9,970	..	3,552	In progress, brick work complete.
(4) Lunatic Asylum.				
Improvements to the buildings in the Lunatic Asylum at Wallair.	5,960	726	5,766	Completed.
Additions to the Lunatic Asylum, Madras ..	50,922	36,287	14,401	Completed and handed over.
16. Miscellaneous.				
(1) Registration.				
Registrar's office at Chattrapur ..	4,100	2,543	1,898	Completed.
Sub-Registrar's office at Pallikonda ..	2,680	2,124	268	Do.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III. PROVINCIAL—cont.				
I. CIVIL BUILDINGS—cont.				
MAJOR WORKS—cont.				
16. Miscellaneous—cont.				
(1) Registration—cont.				
Registrar's office at Salem ..	5,010	..	2,547	Very nearly completed.
Sub-Registrar's office at Tirupattur ..	3,860	2,380	1,070	Completed.
Do. at Pennagaram ..	2,700	2,200	322	Almost completed.
Do. at Valavanur ..	3,577	..	3,019	Completed.
Do. at Pullambady ..	2,500	1,849	234	Do.
Do. at Uppiliyapuram ..	2,550	2,161	478	Do.
Do. at Laigudi ..	3,470	2,570	619	Do.
Do. at Aruppukottai ..	4,480	4,989	16	Materials under collection.
Do. at Mannadur ..	4,580	..	580	Completed.
Do. at Kadayannallore ..	2,930	2,758	188	In absence, pending submission of revised estimate.
Do. at Rajapalayam ..	3,380	434	8	
(4) Public Works Buildings.				
Collector's residence at Chattrapur ..	24,900	27,323	80	Already completed.
Residence for the Superintending Engineer at Walthair ..	16,000	2,893	14,143	Almost completed.
Rest-house, with out-houses, at Cocanada ..	8,250	2,570	4,810	Completed.
Stores in the Executive Engineer's office compound at Berhampur ..	6,440	..	5,213	Completed. Excavation of well in progress.
New combined building at Buckinghampet for Kistna Northern and Western Division offices ..	9,650	745	35	In absence, pending orders from Government.
Famine work godown in Bellary ..	8,940	8,527	— 687	
Stores for famine tools, Canham ..	3,420	4,502	226	
Rest-house at Mackapur ..	2,760	3,069	63	Completed.
Stores in the Public Works Stores ..	6,600	7,921	1,529	
Stores for famine tools in the Public Works Stores ..	6,000	4,822	1,317	
Residence, with out-houses for the Inspector of Police at Kodakannal ..	4,020	1,116	2,549	Approaching completion.
Judge's residence, with out-houses at Madura ..	29,130	15,181	13,103	Practically completed.
Quarters for the District Superintendent of Police, Madura ..	12,784	7,915	5,294	
Quarters for the Executive Engineer at Madura ..	12,640	8,181	9,474	Almost completed.
Quarters for the District Forest-officer at Madura ..	12,640	500	10,009	
Residence for the District Forest-officer at Palamcottah ..	10,510	..	9,427	Completed, except compound wall and gate.
Additions and alterations to Secretariat Clerks' quarters on Stonehouse Hill, Ootacamund ..	3,550	..	3,548	Completed.
Quarters for inferior servants attached to Secretariat Offices, Ootacamund ..	6,730	..	6,720	
MINOR WORKS.				
I Circle ..	..	..	20,619	
II " ..	..	..	6,870	
III " ..	..	..	7,819	
IV " ..	..	..	25,279	
V " ..	..	..	38,183	
VI " ..	..	..	5,023	
Lighthouse division ..	..	..	226	
Consulting Architect ..	..	..	25,009	
Total ..	..	..	8,25,008	
REPAIRS.				
I Circle ..	..	..	28,914	
II " ..	..	..	21,968	
III " ..	..	..	23,382	
IV " ..	..	..	43,023	
V " ..	..	..	38,186	
VI " ..	..	..	23,443	
Consulting Architect ..	..	..	55,016	
Total ..	..	..	2,64,733	
Grand Total ..	..	..	10,89,736	

Statement showing the expenditure on Major Works in detail, &c.—cont.

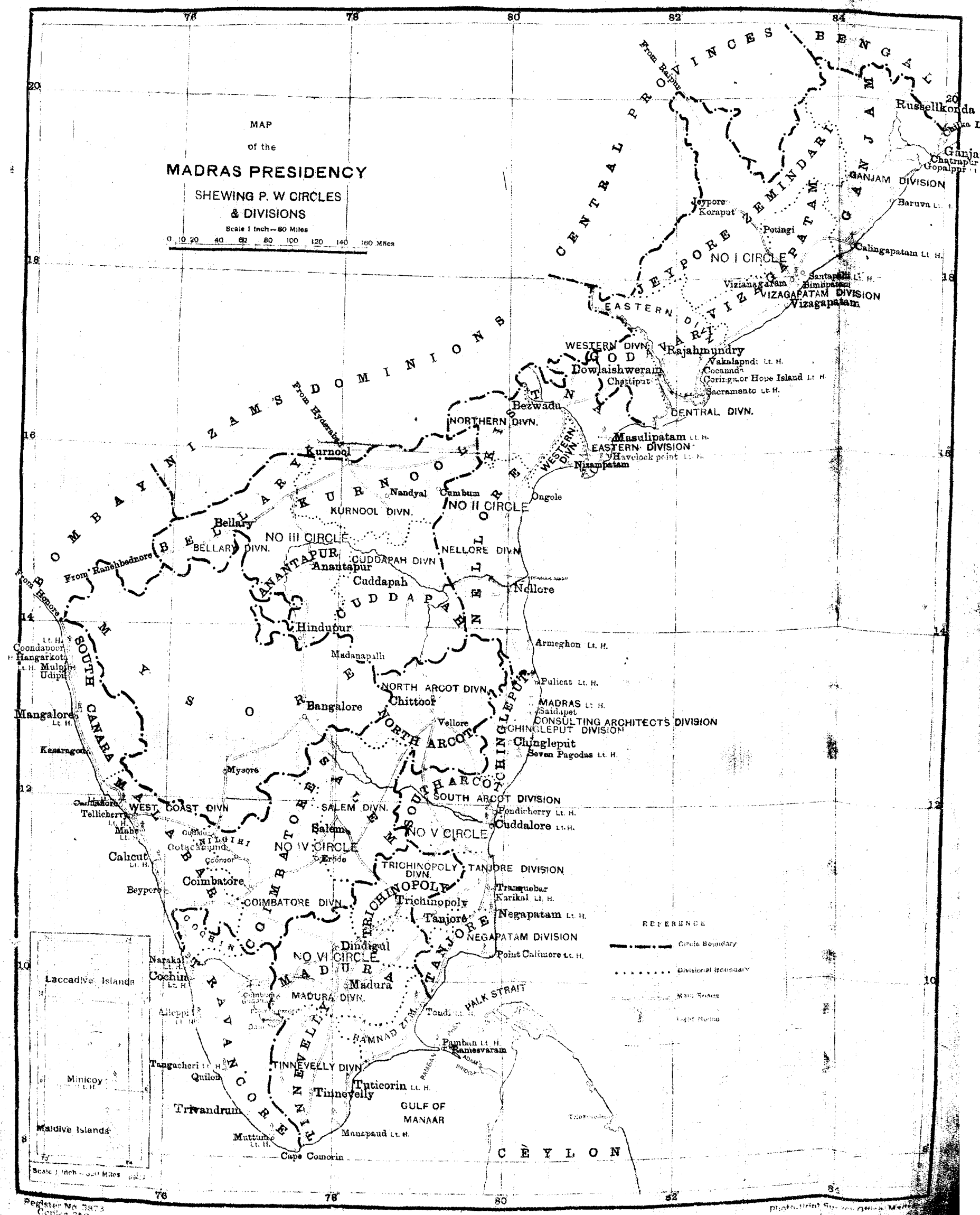
Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III. PROVINCIAL—cont.				
II. COMMUNICATIONS.				
ORIGINAL WORKS.				
MAJOR WORKS.				
1. Metalled Roads.				
A. Bridged and drained throughout.				
Load with masonry works from Kallikota to Bolani ..	87,800	87,116	1,398	Completed.
Isveluck road at Ootacamund ..	61,300	45,898	15,840	Completed and opened for traffic.
Westbury-Segur road at Ootacamund ..	9,550	..	2,904	Completed, except tarring.
Surveying Yerred ghat road for making a pathway along the trace in the Salem district ..	9,220	4,841	4,625	Completed.
Improvements to Chandale-Mysore road ..	84,340	79,764	2,745	Completed, except painting of Kullar bridge iron work.
Metalling Chandale-Sultan's Battery road ..	88,600	..	32,448	Partly metalled.
Road from Paudikad to Kaniyarakanda ..	19,700	19,565	— 696	Completed in November 1897.
Road from Melathur to Nilambur ..	82,150	58,185	18,470	Completed and opened for traffic.
Pandalur road ..	42,100	23,860	6,277	Nearly completed.
Restoring the cross road connecting the Madurantaham-Chunampet road with the Mukkanam-Tindivanam road ..	13,240	7,860	356	Revised estimate under preparation.
B. Partly bridged and drained.				
Road from Rosemont to Pykara Finger Post, Ootacamund ..	23,440	..	2,601	In progress. Land acquired.
Widening the Marmalong bridge, Chingleput district ..	16,550	..	17,076	Completed.
Road from Bodinayakanur to Kotagudi ..	1,00,000	..	30,009	In progress.
(2) Unmetalled Roads.				
B. Partially bridged and drained.				
Constructing an iron girder bridge at Mahasingghi ..	70,910	58,071	3,499	Completed.
Constructing a bridge-path from Pallapoliem, Coimbatore district, to the Chinna river, the boundary of Travancore territory ..	38,280	16,802	20,745	Almost completed.
Anamalai Road Project—Forming road from Vannanthoral to 16½ miles, Panachi ghat, Anamalai hills ..	3,16,780	60,340	2,50,097	In progress.
Constructing Villony bridge-path ..	17,000	7,241	2,706	Completed.
Temporary establishment for the project ..	..	1,384	— 1,384	
MINOR WORKS.				
I Circle ..	..	..	1,516	
IV " ..	..	..	20,367	
V " ..	..	..	104	
VI " ..	..	..	223	
III " ..	..	..	698	
Total ..	..	..	4,21,003	
REPAIRS.				
I Circle ..	..	..	29,172	
IV " ..	..	..	48,374	
Consulting Architect ..	..	..	16,443	
Total ..	..	..	93,989	
Grand Total ..	..	..	5,14,992	

APPENDIX C.

STATEMENT showing the length of road communications maintained by public authorities in Madras during the year 1899-1900.

Name of division.	Name of district.	Length of metalled roads maintained by the Public Works Department.	Length of unmetalled roads maintained by the Public Works Department.	Length of metalled roads maintained by local authorities.	Length of unmetalled roads maintained by local authorities.	Total of metalled roads.	Total of unmetalled roads.
1	2	3	4	5	6	7	8
Ganjam	Ganjam	M.L.S. 25	M.L.S. 27.5	M.L.S. 690	M.L.S. 25	M.L.S. 724	M.L.S. 52.5
Vizagapatam	Vizagapatam	63	..	365	603	428	603
Godavari Eastern	Godavari	6	..	809	166	814	166
Kistna (Northern, Eastern and Western).	Kistna	77	22	617	166	617.62	166
Nellore	Nellore	..	..	1,012	140	1,012.40	140
Bellary	Anantapur	..	..	250	506	250	506
Cuddapah	Bellary	..	..	264	576	264	576
Kurnool	Cuddapah	..	..	642	586	642	586
Coimbatore	Kurnool	..	..	528	200	528	200
Salem	Coimbatore	..	..	1,016	661	1,016	661
North Arcot	Nilgiris	27	..	126	459	152	459
West Coast	Salem	..	..	553	1,485	553	1,485
South Arcot	North Arcot	..	..	1,522	..	1,522	..
Chingleput	Malabar	18	30	561	790	561	790
Tanjore	South Canara	..	..	148	809	148	809
Negapatam	South Arcot	8.75	57.50	890	251	898.75	308.50
Trichinopoly	Chingleput	..	..	640	57	640	57
Madure	Tanjore	..	165.5	200	1,339	200	1,500
Tinnevely	Trichinopoly	37.125	55.5	577	116	614.5	116
Consulting Architect's division.	Madure	..	..	691	643	691	643
	Tinnevely	..	..	837	123	837	123
	Madras	3.44	..	..	..	3.44	..

NOTE.—This statement does not include roads and streets within municipal limits.

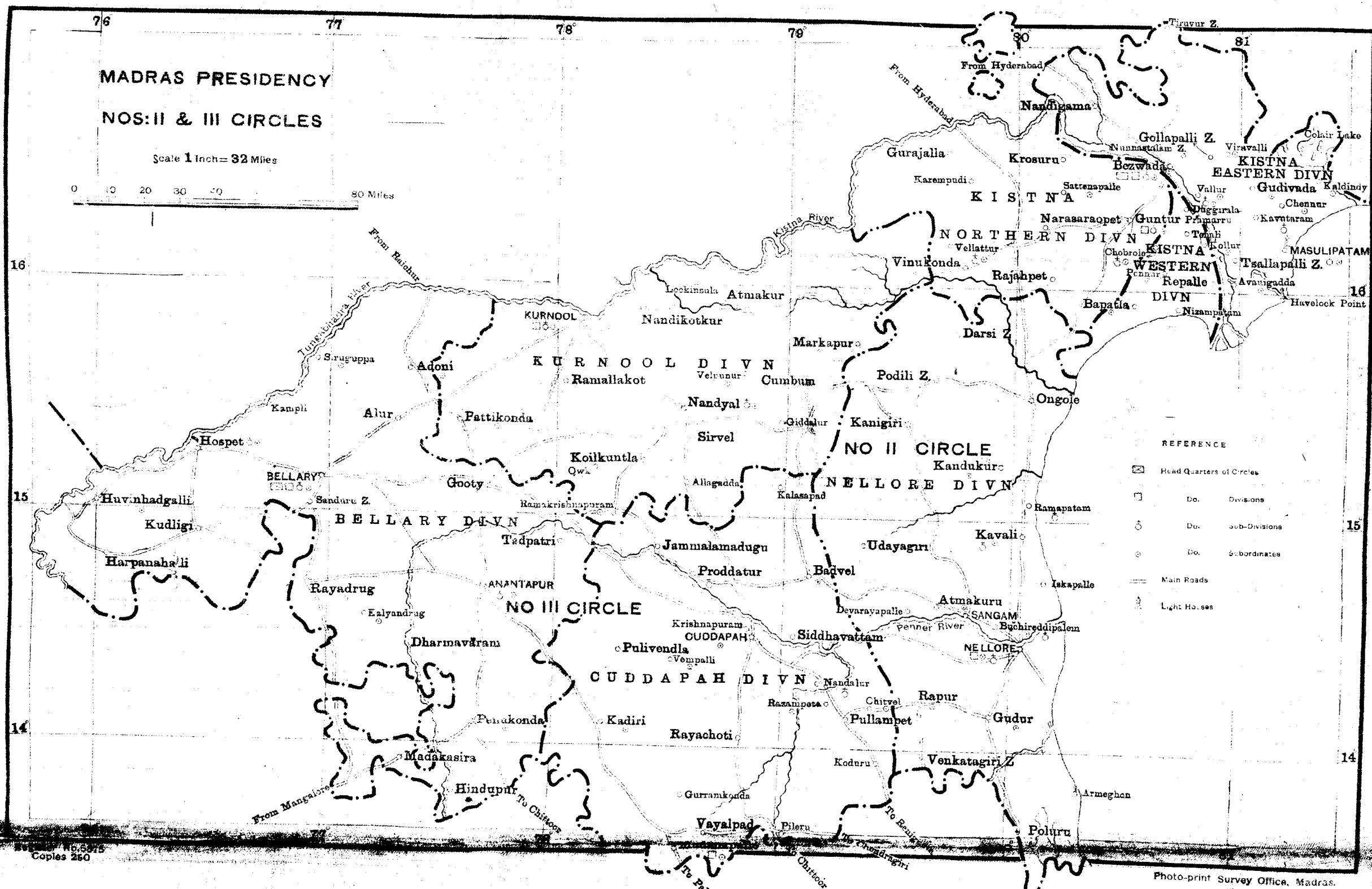


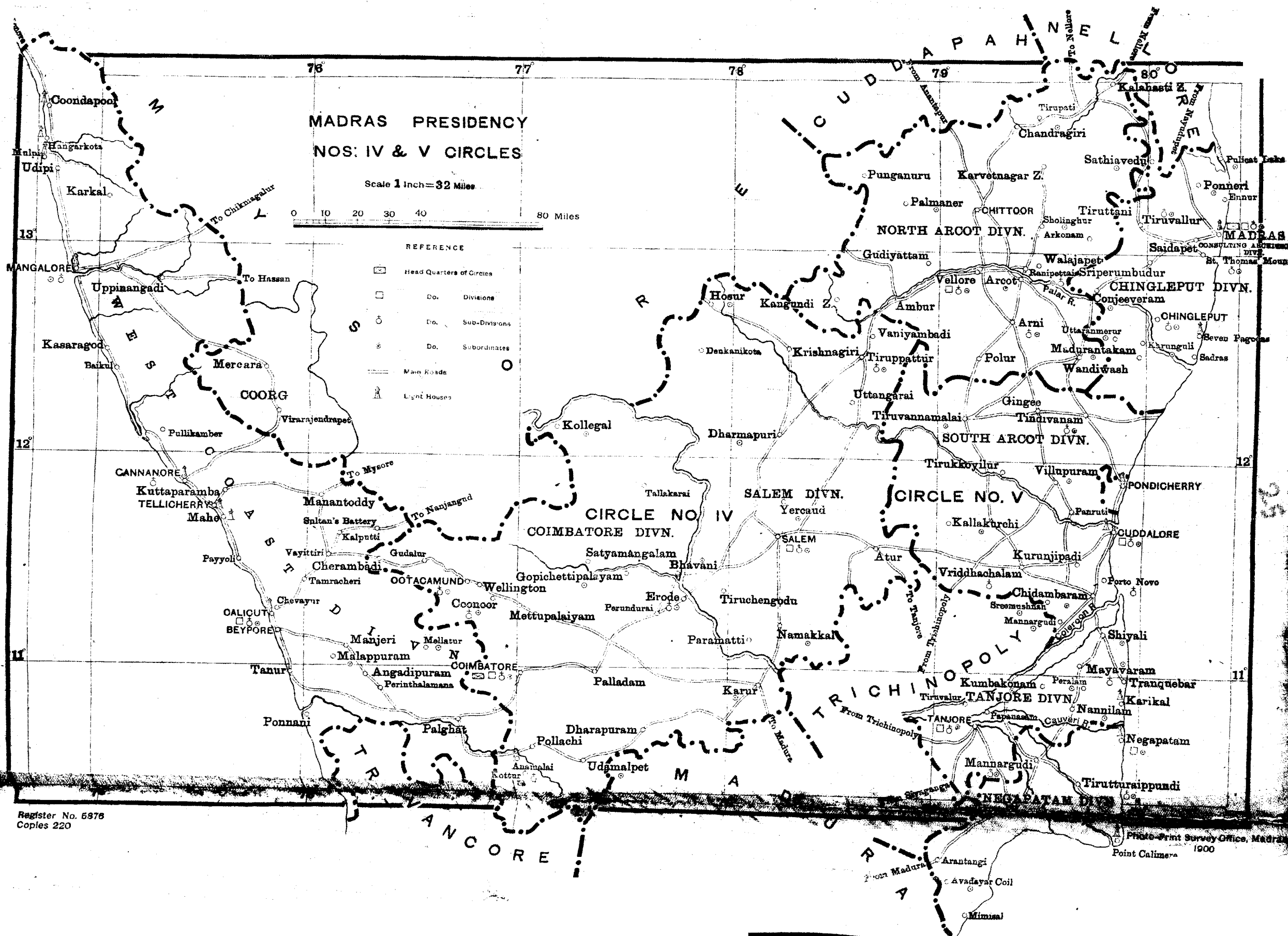
Statement showing the expenditure on Major Works in detail, &c.—cont.

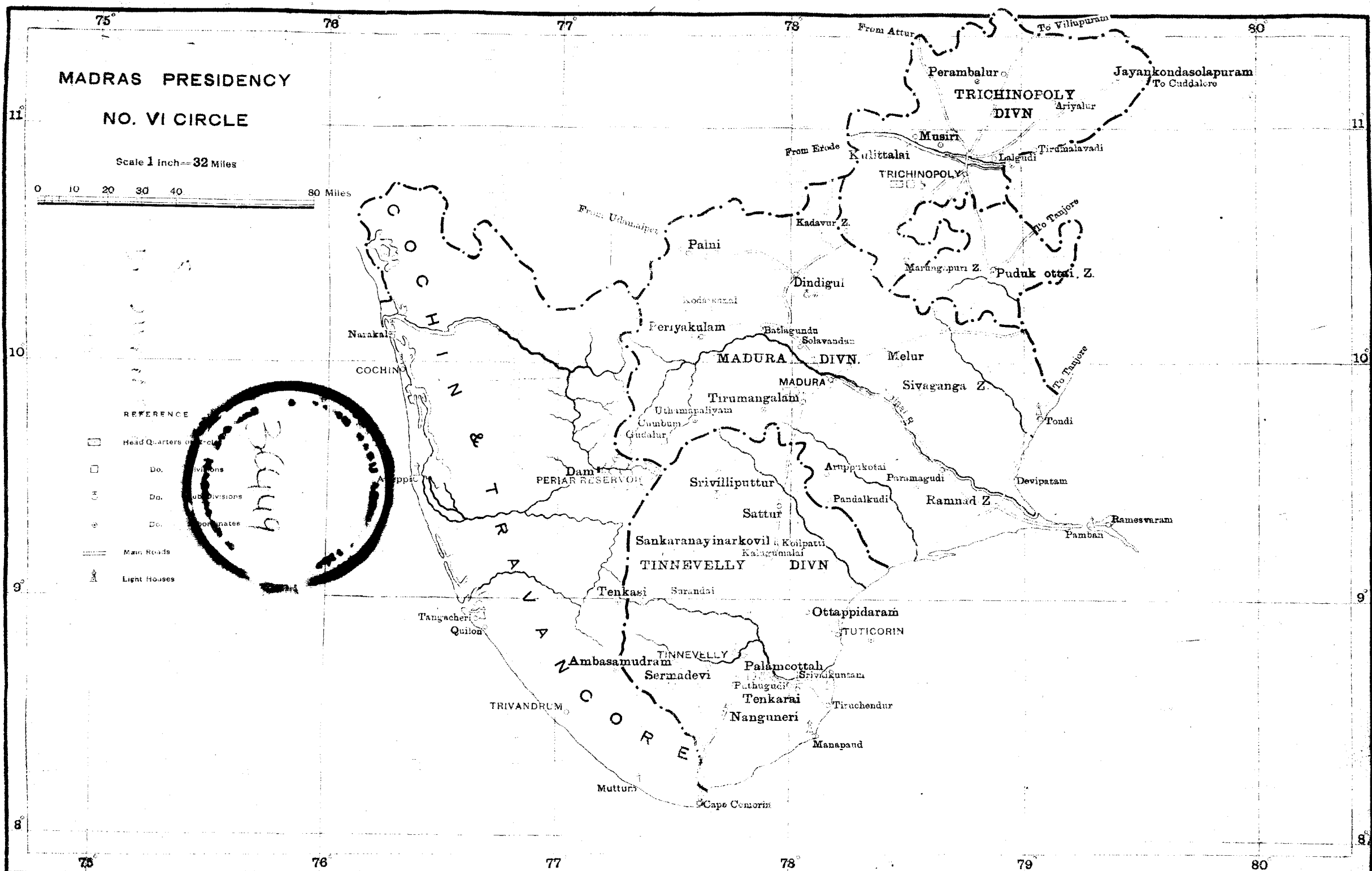
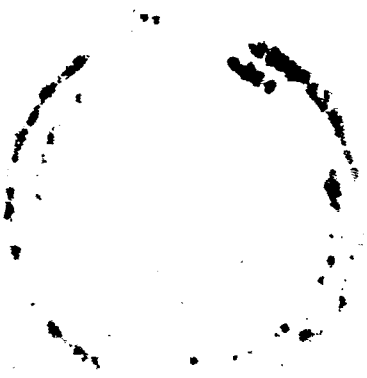
Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
III.—PROVINCIAL—cont.				
III.—MISCELLANEOUS PUBLIC IMPROVEMENTS.				
ORIGINAL WORKS.				
MAJOR WORKS.				
Filling in Ootacamund lake ..	1,99,140	1,61,381	832	Already completed.
Fencing the foreshore at Tuticorin. ..	5,890			
Deduct Port fund share ..	2,945	1,271	904	Nearly completed.
Total ..			1,736	
MINOR WORKS.				
IV Circle ..			2,472	
V " ..			40,178	
Consulting Architect ..			208	
Examiner's division ..			90	
REPAIRS.				
I Circle ..			95	
II " ..			555	
IV " ..			51	
V " ..			6,228	
Consulting Architect ..			13,240	
Total ..			64,953	
IV. INCORPORATED LOCAL FUNDS.				
45. CIVIL WORKS.				
II. COMMUNICATIONS.				
MAJOR WORKS.				
1. Metalled Roads.				
A. Bridges and drained thoroughfare.				
Forming a village road from Latchimannagudi village to Kottagum. ..	9,610	6,548	1,236	Nearly completed.
Constructing road dams on the road from Ellore to Bhimadole. ..			4,430	
Total ..			5,666	
MINOR WORKS.				
I Circle ..			530	
V " ..			308	
Total ..			6,503	
REPAIRS.				
I Circle ..			2,063	
II " ..			2,497	
V " ..			15,608	
VI " ..			2,274	
Total ..			24,342	
Grand Total ..			30,745	
V. EXCLUDED LOCAL FUNDS.				
1. CIVIL BUILDINGS.				
MAJOR WORKS.				
1. Lighthouse.				
Additions and alterations to Lighthouse at Martham. ..	10,410	4,017	2,344	Completed.
Constructing lightkeepers' quarters at Coondapoor. ..	2,470	864	2,485	Do.
Constructing lightkeepers' quarters at Hargumkott. ..	3,450	481	2,021	Do.
Constructing lightkeepers' quarters at Malpo. ..	5,620	1,252	2,882	Do.

Statement showing the expenditure on Major Works in detail, &c.—cont.

Name of work.	Amount of estimate.	Expenditure to end of previous year.	Expenditure during the year under review.	Remarks.
1	2	3	4	5
V. EXCLUDED LOCAL FUNDS—cont.				
I. CIVIL BUILDINGS—cont.				
MAJOR WORKS—cont.				
Miscellaneous.				
Quarters with out-house for the Port officer at Vizagapatam. ..	10,500	6,466	5,887	Completed.
Residence for the Port officer at Negapatam. ..	9,500		1	The purchase of a private building has been arranged for.
Altering and enlarging the Port and Sea Customs offices at Tuticorin and providing therein quarters for the Port officer. ..	21,350	2,803	8,199	In progress.
Total ..			24,049	
MINOR WORKS.				
I Circle ..			425	
V " ..			1,370	
VI " ..			1,757	
Lighthouse division ..			842	
Consulting Architect ..			1,207	
Total ..			5,101	
REPAIRS.				
I Circle ..			1,949	
II " ..			52	
V " ..			158	
VI " ..			98	
Lighthouse division ..			2,595	
Consulting Architect ..			1,023	
Total ..			6,871	
Grand Total ..			35,021	
III. MISCELLANEOUS PUBLIC IMPROVEMENTS.				
MAJOR WORKS.				
(7) Harbour.				
Investigation of Vizagapatam harbour improvements. ..	6,150	3,782	998	
Dredger and improvements to bar at Cocanada. ..			13,875	Expenditure incurred in England on hopper barges.
Clearing silt in the salt creek at Masulipatam. ..	6,970		6,106	Nearly completed.
Reclamation of foreshore and erection of a pier at Mangalore. ..	71,800		449	In progress.
Extending and improving the jetty wall at Negapatam. ..	3,740		5	Completed.
Hurdle groynes at Negapatam ..	4,725	3,787	859	Do.
Dredger for the Port of Tuticorin ..	36,000		13,591	
Fencing the foreshore at Tuticorin. as. 5,890 ..				
Deduct Provincial share ..	2,945		1,793	Nearly completed.
(8) Lighthouse.				
Lighthouse, etc., at Mulki (Kaph Hoek) ..	68,600	24,173	11,303	In progress.
Do. at Seven Pagodas ..	49,920	2,813	19,076	Apparatus being fixed.
Do. at Pulicat ..	27,300	902	7,399	In progress.
Do. at Havelock Point ..	1,18,820	71,649	10,447	Completed, except fixing apparatus.
Do. at Mangalore ..	6,910	2,898	1,867	Nearly completed.
Do. at Masulipatam ..	8,650	6,430	1,684	
Do. at Manupad ..	51,930	27,009	894	Completed, except fixing apparatus.
Total ..			89,846	
MINOR WORKS.				
II Circle ..			6	
IV " ..			3,217	
V " ..			795	
Lighthouse division ..			557	
Total ..			4,574	
REPAIRS.				
I Circle ..			26	
IV " ..			6,331	
V " ..			1,659	
VI " ..			245	
Lighthouse division ..			162	
Total ..			8,423	
Grand Total ..			1,02,843	
Total, Excluded Local Funds ..			1,37,264	







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