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Author : Admin. Report of P.W.D. 1896-97

Title :

Acc-no.

Edition : 36447

Year of Publication:

Preliminary Pages: 1 to 2 = 1 sheet
Map. 1 to 2 = 1 sheet

Main Book : 1 to 36 = 18 sheets

Supplimentary pages : 4 map 1 to 8 = 4 sheets

Total Pages 48 = 24

Missing Pages : — = —

Net No. of Pages 48 = 24

Date sent for Mending:

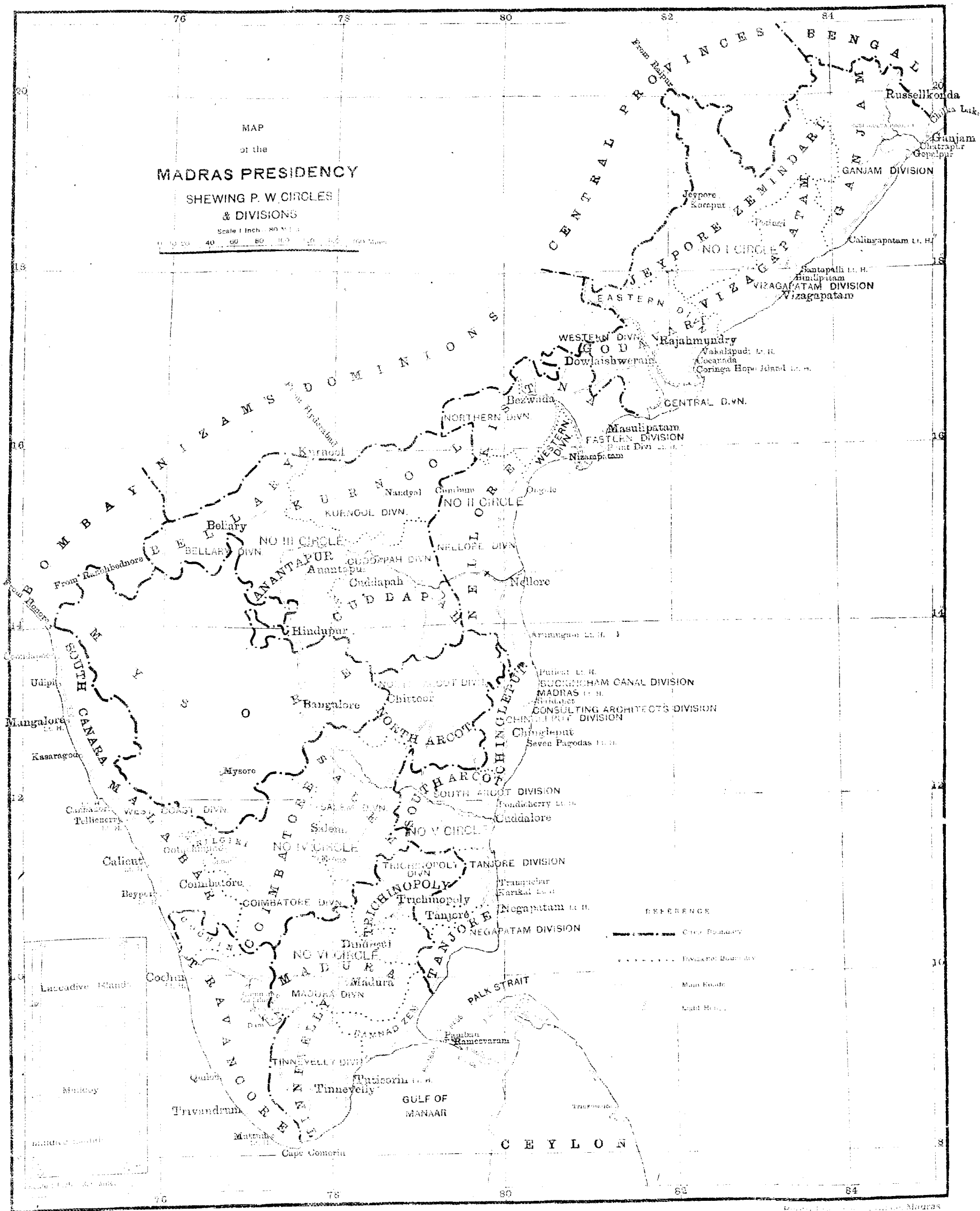
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ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT, MADRAS

(GENERAL, BUILDINGS AND ROADS BRANCH),

FOR THE YEAR 1896-97.

Administration.—Colonel Drake-Brockman, R.E., held the appointments of Chief Engineer for Irrigation and Secretary to Government, Public Works Department, until the 30th September 1896, when he retired from the service. The Hon'ble Colonel D. McNeil Campbell, R.E., was thereupon appointed Secretary to Government and Chief Engineer, Public Works Department, the duties of which latter appointment he had previously been discharging while holding rank as Chief Engineer, 2nd Class. During the remainder of the year Colonel Campbell, with the rank of Chief Engineer, 1st Class, held the following appointments:—

Secretary to Government, Public Works Department.
Do. Marine Department.
Chief Engineer, Public Works Department.
President of the Sanitary Board.

Mr. W. Hughes, B.A., Superintending Engineer, 1st Class, was, on the 1st October 1896, appointed Chief Engineer for Irrigation and Joint Secretary to Government, Irrigation Branch, with the departmental rank of Chief Engineer, 2nd Class. He continued to hold these appointments and rank until the close of the year.

The appointment of Joint Secretary to Government in the Railway Branch of the Secretariat was held as follows:—

Mr. C. W. Hodson, who had been officiating from the beginning of the year, availed himself of furlough for 15 months from the 10th August 1896, on Mr. F. R. Upcott's return to duty. The latter officer was transferred to the Government of India Secretariat, on special duty, on the 8th September 1896, and Mr. F. D. Fowler, Deputy Consulting Engineer, was appointed to officiate till Mr. F. J. E. Spring, C.E., took charge on the 24th March 1897.

Circle charges.—Mr. W. C. DeMorgan, Executive Engineer, 1st Grade, continued in charge of the I Circle, with the temporary rank of Superintending Engineer, 2nd Class, until the 17th July 1896, when he was relieved by Mr. J. C. Larminie, who held charge of the circle for the rest of the year. Mr. Larminie was promoted from Superintending Engineer, 2nd Class, to Superintending Engineer, 1st Class, on the 1st October 1896. The II Circle was held throughout the year by Major W. L. C. Baddeley, R.E., Superintending Engineer, 3rd Class. The III Circle was in the charge of Mr. W. B. deWinton, Superintending Engineer, 3rd Class, substantive *pro tem.*, during the whole year. Mr. J. Hannan, Superintending Engineer, 1st Class, retained charge of the IV Circle throughout the year, except during a period of absence on privilege leave from 2nd April to 7th July, when Mr. Larminie officiated. The V Circle continued in charge of Lieutenant-Colonel C. C. Rawson, R.E., Superintending Engineer, 2nd Class, throughout the year, and the VI in that of Mr. W. Hughes, B.A., until the 27th September 1896, when he relinquished the charge on promotion, handing over the circle to Mr. P. R. Allen, Executive Engineer, pending the arrival from leave of Lieutenant-Colonel O. V. Boddy, R.E., Superintending Engineer, 3rd Class, on whom the charge of the circle devolved on the 7th October 1896. The office of the Consulting Architect was held as a temporary measure by Colonel C. C. Rawson, R.E., in addition to his own duties as Superintending Engineer, V Circle, from the 23rd January to the 22nd October 1896, when Mr. Harris, Executive Engineer, 1st Grade, on the Government of India list, assumed the appointment and retained it during the remainder of the year.

36447

ADMINISTRATION REPORT
OF THE
PUBLIC WORKS DEPARTMENT
(GENERAL AND BUILDING AND ROADS)

MADRAS PRESIDENCY

FOR THE YEAR

(1896-97)

VI Circle.—At Trichinopoly an armoury, with magazine, store-room and quarters for the Sergeant Instructor attached to the same Volunteer Corps was in progress, and an outlay of Rs. 3,538 against a grant of Rs. 4,700 was incurred on the work.

Additional water-pipes and fountains in the Pioneer and Infantry lines at the same Station.—was carried out by the Sanitary Department at a cost of Rs. 4,074 against a sanctioned estimate of Rs. 4,900.

The drainage of the South Infantry lines at this station was also completed at a cost of Rs. 6,310, of which the outlay in the year under review was Rs. 5,033.

IMPERIAL CIVIL WORKS.

I Circle.—A Post office building at Jeypore was started in October 1896; rains and other hindrances preventing earlier commencement of the work. The outlay was Rs. 2,173 against a grant of Rs. 2,859.

Telegraph office buildings at Vizagapatam.—were also commenced, but progress was delayed pending the result of a reference which had to be made to the Telegraph Department. The estimate for the work was Rs. 11,350 and the grant Rs. 3,000, but the expenditure amounted to Rs. 348 only.

III Circle.—Quarters for six Mail Service sorters at Guntakal were completed at an outlay during the year of Rs. 626, the total outlay being Rs. 2,627 against an estimate of Rs. 2,400.

The Post offices at Adoni, Gooty, Madanapalle, Pyapali and Allagadda, and the Telegraph offices at Bellary and Guntakal were improved with an expenditure of Rs. 1,925.

VI Circle.—*Observatory building at Kodakūnal.*—The estimate for this work amounting to Rs. 35,960 was sanctioned as the year was drawing to a close, and nothing beyond the collection of materials and the building of lines for the workmen could be undertaken, the expenditure amounting to Rs. 2,210.

Quarters at Kodakūnal for the members of the Government Astronomer's establishment.—An estimate of Rs. 11,570 for this work has been sanctioned. This includes the purchase and improvement of a private bungalow.

Meanwhile, sites for other quarters will be selected in communication with the Government Astronomer. Materials could not be procured without considerable difficulty at this hill station, the road to which is impracticable for wheeled traffic. The outlay during the year was Rs. 4,280.

PROVINCIAL.

CIVIL BUILDINGS.

Forst.

I Circle.—*Office for the Conservator of Forests at Waltair.*—The site for this work was selected last year, but little else could then be done. Construction was commenced and almost completed during the current year, an outlay of Rs. 6,340 having been incurred against a grant of Rs. 7,850.

IV Circle.—An estimate, amounting to Rs. 10,000 for constructing an office for the Conservator of Forests at Coimbatore was sanctioned for execution in 1893, but funds could not then be provided. The building was completed and handed over to the Conservator in June 1896.

Customs.

IV Circle.—The following warehouses which were commenced in the previous year were completed and handed over for occupation during this year:—

	Outlay.
	Rs.
(1) Warehouse at Tellicherry	6,532
(2) Do. at Cochin	4,474
(3) Do. at Calicut	6,352
(4) Two blocks of warehouses at Ponnani	12,660

Consulting Architect division.—Public Warehouse at Madras.—An estimate of Rs. 43,657 was sanctioned in 1893. Work was commenced in June 1894 and stopped in April 1895. It was again commenced in April 1896, and held in abeyance in May 1896. Endeavours are being made to utilise on other works the materials already collected. The progress of this work was intermitted by circumstances over which the Public Works Department had no control. The work is now in abeyance pending the consideration of certain proposals for harbour improvements which may involve a change in the site of the building.

Land Revenue Buildings.

I Circle.—An estimate amounting to Rs. 27,420 for constructing a first-class taluk office at Palkonda was sanctioned in 1894. The outlay during the year was Rs. 16,720 against a grant of Rs. 17,316. The building would have been completed by the 31st March except for unforeseen difficulties which threw the work back.

A first-class taluk office at Narsapatam with an estimate of Rs. 42,600 was in progress and an outlay of Rs. 16,803 was incurred, but the work was retarded owing to the difficulties in securing skilled labour and also to the scarcity of water.

Additions and improvements to the General Deputy Collector's cutcherry at Vizianagram were sanctioned in 1896, and Rs. 2,434 were spent against a grant of

), but the work was delayed by rains at the end of March. This prevented g of asphalte and the completion of the roof.

rst-class taluk cutcherry at Kovur estimated to cost Rs. 35,270 was under ion, and outlay to the extent of Rs. 9,225 was incurred. The work was ed in 1894-95 and was almost finished at the end of this year.

Circle.—The taluk cutcherry at Guruzala was completed during the year. l outlay on the work to end of 1896-97 had been Rs. 41,444.

um of Rs. 12,115 was spent on the taluk cutcherry at Vinukonda. The ; portions of the work being undertaken: Flooring of the courtyard, the ard, property and head accountant's rooms, roofing and plastering. The penditure to the end of the year was Rs. 31,265 against the estimate of 10.

taluk office at Guntur was in progress and Rs. 19,300 were spent on the ring the year. The walls were almost completed and the stone flooring n verandah) was laid, the woodwork was being fitted up, the terrace of the being laid, and stone for cornices and coping was being prepared. The total it on the work up to date was Rs. 35,075 against the estimate of Rs. 43,500. h the exception of the ceiling which was in progress the taluk office at opet was completed with an expenditure of Rs. 1,399, the total outlay being 20 against the estimate of Rs. 36,620. The building was handed over in 1897.

ees 664 were spent on the Deputy Collector's office at Narasaraopet, and the s completed with an outlay of Rs. 20,663 against the estimate of Rs. 19,130. Construction of a Stationary Sub-Magistrate's office at Bezvada was commenced mber 1896, and an outlay (including land compensation) amounting to 7 was incurred. Windows and doors have been fixed, and the walls through- d to the level of the tops of the windows.

uk office at Gannavaram.—This building was completed during 1895-96, but nts were not finally closed till 1896-97. The outlay up to the end of 897 was Rs. 34,445 against an estimate of Rs. 31,675.

uk office at Gudivada.—The walls were raised about 4 feet and the door frames Nearly all the materials were at site. The outlay up to date was Rs. 30,913 he estimate of Rs. 38,370.

uty Tahsildar's office at Avanigadda.—Walls of main and out buildings built l height, roof timbers fitted to tiled portion of roofing and Mangalore tiling ed. Timbers for terrace portion were about two-third collected. The outlay te was Rs. 20,554 against the estimate of Rs. 25,700.

uk office at Tenali.—This building, the estimate for which amounted to 20, was completed and handed over to the Revenue Department in June 1896, closing of the accounts was delayed till the end of this year owing to some connected with materials.

Taluk office at Bāpattu, Estimate, Rs. 46,100.—The progress on this work was slow owing to the distance from the site of the work of suitable earth for brick manufacture. The walls were raised to an average height of 8 feet during the year, and tiles and timber were collected. The outlay was Rs. 16,065 against the grant of Rs. 16,200.

Deputy Tahsildar's office at Ponnur.—Estimate, Rs. 23,400. Completed except tiling, the compound wall, and road of approach. The outlay was Rs. 10,422 against the grant of Rs. 11,200.

The Deputy Collector's catcherry at Atmakūru was completed with an outlay of Rs. 184 during the year.

The new Treasury with upstair room for the Treasury Deputy Collector, Nellore, was completed during the year with an expenditure of Rs. 10,569 against the grant of Rs. 9,143.

Taluk office at Ongole and its out houses.—Concrete work was in progress, and woodwork and other materials were collected. The doors and windows were being prepared in the Public Works Workshops.

III Circle—Bellary division.—Of the five taluk catcheries under construction during this and last year, three, viz., those at Tadpatri, Gooty and Hindupur were completed and handed over to the Revenue Department. Of the remaining two, the one at Dharmavaram requires only painting of woodwork, glazing of windows, and gravelling the compound, to complete it, while that at Madakasira had the terraced roofing in progress at the end of the year. Great delay has occurred on this work owing to the failure of one contractor after another, and the rejection of most of the timber supplied from Madras by the woodwork contractor. The work is now being done departmentally and will, it is expected, be completed before long in a satisfactory manner. All these catcheries are fine substantial structures, so well built that they should need little or no repair for years to come. In addition to these catcheries, the improvements to the catcherry at Hospet would have been completed but for the inability of the Tahsildar to vacate the record-room. The improvements to the catcherry at Alūr were delayed from a similar cause.

The following works in the Bellary division under this head still remain to be carried out:—

- (1) Taluk catcherry at Kalyandrug.
- (2) Improvements to the taluk catcherry at Penukonda.
- (3) Ryots' sheds for all catcheries now without them.

Estimate for (1) is under preparation.

Do. (2) is ready.

Do. (3) will be prepared when the pressure of famine is removed.

Cuddapah division.—The two catcheries at Rāyachōti and Proddatur were almost completed at the end of the year, and were both to be handed over in May 1897. There has been great delay in the construction of both these buildings owing to unexpected difficulties with contractors. The remaining works required under this head in this division are—

- (1) Deputy Tahsildar's office at Chitvel.
- (2) Deputy Tahsildar's office at Kamalapuram.
- (3) Deputy Collector's office at Sidhout.
- (4) Sub-Magistrate's office at Rajampet.

Estimate for (1) has been sanctioned.

Estimate for (2) and (3) are under check.

Estimate for (4) is ready.

Kurnool division.—The construction of the taluk catcherry at Pattikonda was awaiting, throughout the year, the decision of the Revenue authorities in regard to the site. This matter has now been finally settled, but too late to commence work before the close of the year. The whole of the grant had accordingly to be surrendered. The Deputy Collector's catcherry at Markapur was completed, but the final bill was received too late to close the accounts. Estimates for providing this catcherry with ryots' shed, latrine, well, prisoners' dock and witness box, were under preparation.

The Stationary Sub-Magistrate's office at Nandyal progressed somewhat slowly during the year, but was nearly completed at its close.

The following are the future requirements under this head in the division:—

- (1) An upper storey to the Collector's office at Kurnool—Estimate submitted.
- (2) A taluk office at Sandikotkur—Estimate under check.
- (3) A taluk office at Kurnool—Estimate under check.
- (4) A taluk office at Koilkuntla—Matter under correspondence.
- (5) A taluk office at Giddalur—The question of site is being considered.
- (6) A Sub-Magistrate's office at Atmakūru—Estimate is ready.
- (7) A Sub-Magistrate's office at Kalva—The work has been postponed.

IV Circle.—The following buildings were completed and handed over for occupation during the year:—

- (1) Second-class taluk office at Tiruvarangadi—Outlay Rs. 17,642.
- (2) Additions and alterations to the Deputy Tahsildar and Sub-Magistrate's office at Alattur—Outlay Rs. 3,616.
- (3) Deputy Tahsildar's office at Anjengo—Outlay Rs. 13,013.
- (4) Deputy Tahsildar's office at Tangasséri—Outlay Rs. 14,331.

An estimate amounting to Rs. 17,440 was sanctioned for the construction of a Sub-Collector's office at Tellicherry, and the work put in hand in the middle of October 1896. Excellent progress was made and the grant was fully utilised. It is expected that the building will be ready for use in June 1897.

An estimate of Rs. 9,400 was sanctioned for the construction of a Stationary Sub-Magistrate's office at Puttur. The superstructure was raised to 9½ feet, the arch work was in progress, and the doors and windows were under preparation.

Stationary Sub-Magistrate's office at Coondapoor, Estimate Rs. 10,080.—The basement was completed and the doors and windows were got ready.

Improvements to the Collector's office at Salem were completed at the end of the previous year, but final payment to the contractor was not made till 1896-97. The total outlay was Rs. 13,995 against the estimate of Rs. 14,300.

The construction of a first-class taluk catcherry at Tirupattūr was practically completed, and the building handed over to the Revenue Department at the end of 1895-96, but the wire fencing had not been put up and was in progress at the end of the year under review.

An outlay of Rs. 4,003 was incurred on the Sub-Magistrate's office at Nāmakkal. The walls have been fully built and the rafters for the verandah roof put up.

A first class taluk catcherry at Chendragiri, estimated to cost Rs. 34,920, was sanctioned in 1894. The building was completed and handed over to the Revenue Department in 1896, but accounts are not yet closed.

An estimate amounting to Rs. 34,850 for constructing a first-class taluk catcherry at Wandiwash was sanctioned in 1893. The building was completed and handed over to the Revenue Department in 1896, but final payment cannot be made as the contractor is not willing to accept the settlement proposed by the Superintending Engineer.

Deputy Tahsildar's office with out-houses at Ambūr.—An estimate of Rs. 16,550 was sanctioned for this work in October 1893. The building was finished and handed over to the Revenue Department in January 1897.

Deputy Tahsildar's office at Tirupati.—An estimate amounting to Rs. 1,190 was sanctioned in 1895 and the work completed with the exception of floors, jail doors, and a few sundry items.

Additional accommodation in the Taluk catcherry at Arcot.—Estimate, Rs. 4,400. The work has been completed with the exception of record-racks, painting, and plastering.

Taluk catcherry at Gopichettipolliem.—The building was practically completed and handed over to the Revenue Department in January 1896, but some minor works had to be completed and the accounts were not finally closed till January 1897.

Progress on the taluk catcherry at Kollegal was much retarded by the scarcity of labour and materials. Skilled labour had to be imported from Madras and other places. The work was completed in August 1896 and the building handed over to the Revenue Department in the following month.

Taluk cutcherry at Karur.—The terracing has been completed to all portions of the cutcherry except the court and cashier's rooms. The work is in steady progress.

V Circle—Combined office for the Deputy Collector and Stationary Sub-Magistrate at Tiruvallūr.—The work was started in April 1896. The lower storey has been completed, and the brick work of the upper storey very nearly so, the joists have been laid and the terracing has been finished. The total outlay during the year was Rs. 19,488 inclusive of Rs. 2,800 debited by the Public Works Workshops for wood work supplied.

Taluk office at Tiruvannamalai.—The walls have all been raised to the terrace level of the verandahs, except the walls of the treasury. The terracing of the record-room and the verandahs was half completed.

Additions and improvements to the Collector's office at Cuddalore.—The walls of the east and south blocks have been raised to springing level, and in the other blocks to a height of 7 feet. Concrete flooring in the lower storey and Cuddapah slab flooring in the Police school and west verandah have been laid.

The improvements to the Sub-Collector's office at Tindivanam were completed at the end of the year but the accounts of the work have not been finally closed.

Public offices at Tanjore.—This work was started in June 1896 and the brick work has now been completed up to basement level in the treasury and press rooms. In the main building tower, two large arches and one small stone arch have been turned and the brick work over them has been started. The estimate had to be revised owing to the rates for stone and brick work being insufficient.

Stationary Sub-Magistrate's office at Kumbakonam.—The old building was demolished and the brick work of the new building completed to basement level. The wood and iron work were received from the Public Works Workshops.

VI Circle—First-class taluk cutcherry at Musiri, Estimate Rs. 34,405.—This work was completed with the exception of the erection of the lightning conductors, and was handed over to the Revenue Department about the middle of 1895-96. All the materials required for the lightning conductors were received about the end of the year under report, but the work could not be done owing to the transfer of the subordinate in charge for famine duty.

First-class Taluk cutcherry at Jagankondasolapuram.—The work, with the exception of a well and the setting up of lightning conductors, was fully completed and handed over to the Revenue Department.

Stationary Sub-Magistrate's office at Kulitalai, Estimate Rs. 8,500.—This work was given on contract, and the first outlay was incurred in December 1896. The expenditure during the present year amounted to Rs. 2,500. The work is making good progress.

Stationary Sub-Magistrate's office at Perambalur, Estimate Rs. 7,600.—This work was also given on contract, and the first outlay was incurred in November 1896. Heavy rain in February following retarded the work, and it was found that the soil which appeared quite hard (large boulders of stone being imbedded in it) was not reliable. The foundations had therefore to be taken further down than was estimated for. The outlay, including the value of timber purchased, was Rs. 2,599.

Vernacular record-room for the Collector's office in Tirumal Naick's Palace and the acquisition and enclosure of lands around the Palace.—All the works included in the sanctioned estimate of Rs. 60,700 have been completed with the exception of the construction of the vernacular record-room, which is in abeyance.

Head Assistant Collector's office at Ramanad, Estimate Rs. 17,700.—This work has been completed and the building handed over. Rs. 8,465 were spent during the year.

Additions to the new taluk office at Tirumangalam to accommodate the Stationary Sub-Magistrate were sanctioned at an estimated cost of Rs. 5,170. The work, with the exception of flooring, has been completed with an expenditure of Rs. 5,241.

Additions and alterations to the Deputy Tahsildar's office at Kodaikanal, Estimate Rs. 4,920.—The foundations and basement were completed and the superstructure commenced. Expenditure Rs. 173.

Stationary Sub-Magistrate's office at Periyakulam, Estimate Rs. 9,000.—The masonry foundations were completed and the basement built 1½ feet high. The outlay on the work was Rs. 2,000.

An estimate, amounting to Rs. 7,090, for constructing a Stationary Sub-Magistrate's office at Sattūr was sanctioned and was put in hand in September 1896, but the grant for the work was subsequently withdrawn to provide funds for famine relief works. No progress was made up to February 1897 when work was resumed, but in the middle of that month unusual rains fell which again retarded the work. It was then found impossible to do more before the close of the official year than lay foundations, build the basement, and raise the superstructure 2 feet. Expenditure Rs. 2,000.

Improving the Taluk office and constructing Sub-jail wards, cook-room and compound wall at Sattūr, Estimate Rs. 5,570.—The work was commenced in September 1896 and Rs. 4,000 were spent. The improvements to the taluk cutcherry and the construction of the cook-room and compound wall were completed. The walls of the sub-jail were raised to joist level and the iron doors and windows were fitted.

Stationary Sub-Magistrate's office at Sankaranayinarkōgil, Estimate Rs. 7,350.—The foundations and basement were completed and the superstructure raised about 2 feet with an outlay of Rs. 1,247.

Office room for the Tahsildar at Sankaranayinarkōgil, Estimate Rs. 2,570.—The foundations and basement were completed and the superstructure was raised about 2 feet, the outlay being Rs. 332.

Residences for Local Governments and Secretariat offices.

Consulting Architect division—Government House, Madras.—During the year several improvements were made. In the main building the drawing-room was considerably enlarged and beautified by the removal of the walls on the north and south sides and throwing into the drawing-room the two adjacent rooms each 18' 3" wide. The dimensions of the drawing-room were thus increased from (roughly) 38' × 34' to 38' × 74'.

A new ceiling of Willesden paper with rich teakwood mouldings and parquetage of rosewood and teak were also added. By the introduction of an intermediate floor in the monsoon dining-room, a new bed-room suite, consisting of bed-rooms 22' × 18' 7½", dressing room 16' 3" × 15' 9" and bath-room 15' 9" × 9' 6", were added on the second floor.

In the grounds the old wooden fencing around the north and south sides of the park was removed and a new fencing (Bayliss Jones and Bayliss) substituted.

Quarters for the men of His Excellency the Governor's Band, Madras.—Work was completed in July 1896 at a cost of Rs. 46,069 and the quarters have since been in occupation.

Government House, Guindy—Enclosing the Building with galvanized iron wire fencing and steel uprights was completed with the exception of the ornamental gates which were considered unnecessary, the expenditure being Rs. 1,243 against an estimate of Rs. 3,575.

Quarters for Servants.—The prolonging of one block was completed before March last, and two others were finished with the exception of the roof. The fourth block was completed up to basement level. Expenditure Rs. 16,761.

EDUCATIONAL.

GOVERNMENT COLLEGES.

Consulting Architect division—New Law College, Madras.—With the exception of the interior decoration of the main staircase and the making of the surrounding roads this work is practically completed. The expenditure during the year was Rs. 37,976 and the total outlay Rs. 3,50,603.

Additional accommodation for the Biology and Physical Science departments of the Presidency College, Madras.—This work was completed in 1895-96, but a small payment of Rs. 747 was made during the year. The total expenditure has been Rs. 59,725 against the estimate of Rs. 62,870.

Gas works for the Chemical, Physical and Biological laboratories of the Presidency College and the workshops attached to the College of Engineering, Madras. Estimate Rs. 28,237, Outlay Rs. 2,606.—Very little progress was made with this work during the year as most of the gas bells, &c., had not been received from England. Some fittings were put up in the Presidency College and some alterations to that building, provided for in the estimate, were carried out.

Connemara Library and connected buildings.—These buildings have been completed with the exception of the teakwood dome of the tower, but as it was found that the tower was crushing from its weight, it had to be dismantled under orders of Government.

GOVERNMENT SCHOOLS.

I Circle—Demolishing and reconstructing the Government School-house at Koraput. Estimate Rs. 8,010, Expenditure Rs. 701 against the grant of Rs. 1,000.—The work could not be completed during the year for want of skilled labour which had to be drafted from the plains.

Extending the Normal and Unions Schools for the Training College at Rajahmundry. Estimate Rs. 46,500.—The expenditure during the year was Rs. 10,553. Materials were collected. Concrete work in foundations was in progress, woodwork in Government Workshops was in progress, and steel beams for the floor were procured.

III Circle.—The school-house at Anantapur was completed during the year and handed over. A plan and estimate for the Training School, which it is proposed to erect near this building, have been submitted to the Director of Public Instruction.

A plan and estimate for improvements to the Wardlaw College at Bellary are also under preparation.

IV Circle—Adding an upper storey to the Government Training School for Masters at Coimbatore.—Operations had to be suspended from May 1896 to February 1897 pending receipt of the revised estimate for additional work which was found necessary. This estimate was sanctioned in November 1896, but the grant for the year could not be fully worked out, the ceiling planks having been received too late to proceed with the work.

Government Training School at Mangalore. Estimate Rs. 9,060.—The work was commenced in November 1896, and Rs. 4,761 were spent. The walls have been completed and the construction of a latrine is in progress.

ECCLESIASTICAL.

V Circle—Cemetery at Villupuram.—The work was completed and paid for, except land compensation charges, which will be adjusted in the Supplemental Accounts.

Consulting Architect division.—The filling in of the tank and the low ground in the Pursewalkam General Cemetery at Madras was completed in March 1897, with an outlay of Rs. 2,149 against the estimate of Rs. 2,593.

LAW AND JUSTICE.

II Circle.—A sum of Rs. 733 was spent on the District Munsif's court at Narasaraopet; the ryots' shed and cattle pound were put in hand and well advanced.

III Circle.—The District Munsif's court-house at Nandyal was completed and handed over in 1895-96, but the accounts were not finally closed till the year under review, the outlay being Rs. 17,492 against a sanctioned estimate of Rs. 17,355.

A District Munsif's court at Madanapalle has to be built, the estimate for which is awaiting the standard design.

IV Circle.—The District Munsif's court at Karikal was completed with an outlay of Rs. 20,949, and the building handed over to the Judicial Department for occupation.

Improvements to the Sub-Judge's and the District Munsif's courts at Palghat were completed and the building was handed over; the outlay being Rs. 4,467.

A combined office for the Deputy Tahsildar and District Munsif at Otapalam was sanctioned at a cost of Rs. 38,390, but owing to delay in making over the site only Rs. 7,496 could be spent. The basement to the main building and sub-jail was completed and the walls were raised to a height of 3 feet. Door-frames were also completed.

Consulting Architect's Division—Property rooms for the High, Small Cause and City Civil Courts.—Estimate Rs. 44,764. A new site for the building having been selected and a revised estimate sanctioned in September 1896, the old foundations laid out last year were dug, and the materials cleared and utilized for the new site. The walls were raised all round to a height of 10 feet. Expenditure Rs. 18,791 and the total outlay Rs. 29,031.

JAILS.

Central jails.

I Circle—Masonry walls along the road between gate and tower in the Central Jail at Rajahmundry.—Expenditure to end of 1896-97, Rs. 2,804. Progress was retarded owing to the prevalence of cholera in the jail.

IV Circle—Well in the Central Jail at Cannanore.—Estimate Rs. 4,650. This work was sanctioned late in the year and only Rs. 1,151 were spent before the 31st March 1897. Work is in progress and it is expected that the well will be sunk to the estimated depth of 80 feet before the south-west monsoon. At the request of the Inspector-General of Prisons, the Executive Engineer has been asked to sink the well to a depth of 100 feet, as almost all the wells in this jail are 100 feet deep, and yet they run dry during the hot weather.

District jails.

I Circle—Constructing a new hospital and throwing back the south-east main wall, Parvatipuram Hill jail.—The work is in abeyance in accordance with orders of Government. There are materials at the site of the work to the value of Rs. 2,057.

Improving and extending the sub-jail at Koraput.—Estimate Rs. 13,378. Expenditure during the year Rs. 2,072. Expenditure up to date Rs. 15,906. Work completed.

Lock-ups.

II Circle—Extensions to the sub-jail attached to the Taluk office at Masulipatam.—Work completed with a total outlay of Rs. 5,031.

POLICE.

I Circle—Constructing 22 Police huts at Koraput.—Work completed with a total expenditure of Rs. 8,721.

Constructing 22 Police huts at Jeypore.—The main building was completed and the cook-room nearly so, the total expenditure being Rs. 9,215.

A first-class Police station-house at Waltair was completed with an outlay of Rs. 2,782 against a sanctioned estimate of Rs. 2,890.

An estimate, amounting to Rs. 2,945, for constructing Reserve Inspector's quarters at Rajahmundry was sanctioned in March 1896. The work was completed, the outlay having been Rs. 3,217.

A dwelling-house and an office bungalow for the Assistant Superintendent of Police at Narsapur were acquired at a cost of Rs. 10,000 against an estimate of Rupees 10,125.

III Circle.—The Police office at Anantapur was nearly finished at the close of the year and would have been quite so if the contractor had done his duty. It is a fine building well constructed, but a revised estimate is needed and is expected shortly.

IV Circle.—Rupees 5,016 were spent in constructing a sea wall in front of the Custom House at Tellicherry. Three new rough stone groynes along the Vypeen foreshore at Cochin were constructed at a cost of Rs. 3,168 and a stock of rough stone boulders was collected at a cost of Rs. 2,432 on the Cochin foreshore to meet future emergencies.

Mangalore Harbour.—An estimate for improving this harbour has been ordered, and is under preparation.

VI Circle.—Constructing a new pier at Tuticorin and reclamation of the foreshore.—This work was completed in the previous year and handed over to the Marine Department. During the year under report four new and two old cranes procured by the Marine Department were fitted up and the laying of a portion of the pipe drain under the foreshore was proceeded with. The laying of the permanent siding was carried out by the South Indian Railway Company. The erection of the turn-table remains to be done, the most advantageous position for it having yet to be decided. The expenditure during the year has been Rs. 4,673 and the total outlay Rs. 1,53,181.

Protecting the T. head of the pier at Tuticorin.—All the wood work was got ready and fitted, the outlay being Rs. 1,316.

WORKS IN ESTATES UNDER THE COURT OF WARDS.

I CIRCLE.

The works in the following estates were in charge of the Public Works Department during the year:—

Ganjām Division.

- | | |
|----------------|-------------------|
| (1) Aska. | (4) Pedda Kimeri. |
| (2) Bodogodo. | (5) Surangi. |
| (3) Dhārākōta. | |

Gōdāvari Western Division.

- (6) Tangellamudi.

Vizagapatam Division.

- (7) Kāsirkōta.

Aska and Dhārākōta estates in the Ganjām division were handed over to the proprietors in April and October 1896, respectively, and the several works in the estates were also handed over on their completion. There were two works in the Surangi estate which were completed and were ready to be handed over.

The statement below exhibits the outlay as compared with the grants for works:—

Estates.	Buildings.				Communications.			
	Original works.		Repairs.		Original works.		Repairs.	
	Revised grant.	Outlay.	Revised grant.	Outlay.	Revised grant.	Outlay.	Revised grant.	Outlay.
<i>Ganjām division.</i>								
Aska	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bodogodo	..	1	..	..	..	..	..	..
Dhārākōta	..	..	637	839	..	..	38	38
Pedda Kimeri	..	..	611	624	..	..	252	252
Surangi	956	957	742	706	..	..	..	..
<i>Gōdāvari Western division.</i>								
Tangellamudi	..	..	..	..	..	..	..	..
Total	956	958	1,990	1,669	..	..	290	290

Ganjām division—Aska estate.—A small sum was expended on “constructing quarters for the Proprietrix of Aska” during the year. The work was completed and handed over in June 1896.

Bodogodo estate.—Rs. 339 were spent under the head “Buildings—Repairs” in repairing two works, of which one was completed and the other was in progress. Repairs to the palace buildings were deferred at the request of the Maha Devi. The maintenance of the road from the palace to Police station-house at Bodogodo was undertaken.

Dhārākōta estate.—Under the head “Buildings—Repairs” two works were executed at a cost of Rs. 624, of which one was completed and the other was in progress.

Pedda Kimeri estate.—Under the head “Buildings—Original Works,” a sum of Rs. 956 was spent on constructing quarters for the children of the Pedda Kimeri Rajah at Digapudi. Under the head “Buildings—Repairs” Rs. 706 were spent against a grant of Rs. 742 in repairing three works which were completed during the year.

VI CIRCLE.

Trichinopoly division—Reconstructing the chattram at Tirupalathurai.—Estimate Rs. 2,680. Work completed at a cost of Rs. 2,673, of which Rs. 1,904 were spent during the year under report.

Madura division.—Some emergent repairs to the Palayamputti estate bungalow were carried out.

CONTRIBUTION WORKS.

WATER SUPPLY.

An estimate, amounting to Rs. 4,21,000 for water-supply to the town of Vizagapatam was sanctioned in February 1897. Owing to the late date at which sanction was received, it was only possible to select a contractor and make preliminary arrangements for the commencement of the work.

FAMINE RELIEF.

I CIRCLE.

Ganjām division.—At the request of the Collector, test works were started at Bendi and Borubhadra in the Chicacole Sub-division in January 1897, but as they failed to attract labour, the works were given up. Similar attempts were made at Kata Bommak in the Chicacole Sub-division in March 1897, and at Kokulabha in the Goomsur taluk in February 1897; these also failed to attract labour. Another test work was started in March 1897 at Devigam on the line of Kallikota-Boyirani road, and this was subsequently declared a relief work, and as such it was in progress at the close of the year. A sufficient number of tools for famine-relief works was obtained from the Public Works Stores, Madras.

Vizagapatam division.—Owing to the failure of the north-east monsoon, the crops failed in some parts of the district; and at the request of the Collector of the district, a few irrigation works in the Palakonda and Yellamanchilli taluks were started to afford relief to the cool classes, but they failed to attract much labour and were subsequently executed under the ordinary piece-work system. Other works were started by Local Fund Boards and the Revenue Department, and for these works tools were, at the Collector's request, supplied by the Public Works Department.

Store shed for famine tools at Cumbum.—This work has made very slow progress, owing to difficulty in getting timber and to the unhealthiness of the locality. Roofing nearly finished.

A residence for the Head Assistant Collector at Nandyal was completed during the year at a cost of Rs. 12,079 against an estimate of Rs. 12,481.

Rest-house at Markapur.—Main building and roofing of out-houses completed. Here also the same difficulties were experienced as at Cumbum.

A number of rest-houses is required in this circle, for which estimates may be expected when the pressure of famine-relief work is over.

V Circle—Upper Storey to the Divisional office building at Tanjore.—Estimate Rs. 6,110. The work was commenced and completed during the year with the exception of the spiral stair-case which is being fitted.

VI Circle—Residence for the Head Assistant Collector at Ramnad.—Estimate Rs. 11,890. The main building is practically completed. Roofing of stables and coach-house in progress. The outlay on the work during the year has been Rs. 7,901 and the total expenditure Rs. 11,087.

Residences for European officers of the Head-quarter Staff of the Madura District.—An outlay of Rs. 15,241 was incurred during the year on account of compensation for land taken up.

Improving the Police Superintendent's quarters at Palamcottah.—Estimate Rs. 4,350. This is an incomplete work of the previous year. It was commenced in December 1895 and completed about the end of March 1896, but the accounts were not closed till 1896-97. Outlay Rs. 735.

Consulting Architect's Division.—The following works were completed during the year:—

- (1) Quarters for the Vice-Principal of the Teachers' College at Saidapet—Estimate Rs. 9,971. Expenditure Rs. 10,213.
- (2) Quarters for Hospital Assistants attached to the Maternity and Ophthalmic hospitals.

Estimate Rs. 18,170. Outlay Rs. 17,823. A sum of Rs. 1,026 was spent on re-roofing the Job Department of the Government Press against the estimate of Rs. 3,744.

PROVINCIAL.

COMMUNICATIONS.

IV Circle.—The following lines of communication were maintained and improved during the year:—

Name of road.	Length of road.	Expenditure under maintenance.	Expenditure under improvement.	Monsoon damages.
	ms.	Rs.	Rs.	
Chundale-Mysore frontier	12	5,289	11,354	
Octacamund to Kullar	27	70,561	6,883	

The estimate of Rs. 6,000 sanctioned in the previous year for metalling the bad portion of the Chundale-Mysore road was fully worked out. Another estimate of Rs. 28,000 for putting the whole length of road into good order and constructing 23 new culverts was sanctioned during the year, and Rs. 5,060 expended in collecting materials.

With a view to afford relief to the Mappillas in the Ernad and Walavanad taluks, a scheme was sanctioned for opening out the following new roads:—

- (1) From Anakode to Kanniparamba Police station *via* Tirukalyur temple, 7 miles.
- (2) From Panidikad to Tuvur and on to Karivarakundu, 8 miles.
- (3) From Melathur to Kalikavu *via* Kavivarakundu and on to Nilambur, 22 miles.

An average of about 600 Mappillas has been employed on the works, and Rs. 3,826 were spent by the 31st March 1897. Out of the total length of 37 miles, levels and approximate estimates have been submitted and sanctioned for the lines from Tuvur to Karivarakundu, and from Melathur to Karivarakundu, a length of 15 miles. Estimates for the remaining sections are in progress.

VI Circle—Constructing a bridge over the Suriliyar at Uttamapaliam.—The work was completed in 1894-95, but a sum of Rs. 2,319 was paid to the contractor in 1896-97 on account of extra rates claimed by him.

Cutting a trace of ghât road from Athur to join road No. 49, Lower Palnis.—The work was completed in 1895-96, but an outlay of Rs. 43 was incurred in 1896-97 which closed the accounts.

PROVINCIAL.

MISCELLANEOUS PUBLIC IMPROVEMENTS.

IV Circle—Filling in the upper lake at Octacamund.—This work was first carried out departmentally from February 1896 to June 1896. It is now being done by a piece-worker. Tramway materials had to be brought from Madras and the Periyár, and the work has been placed in charge of a special officer.

VI Circle—The Trichinopoly water-supply scheme.—In 1894 a sum of Rs. 6,920 was sanctioned as a Government contribution towards this water-supply scheme and this was paid in August 1894. A further contribution of Rs. 230 was sanctioned during the year under report. The total amount of contribution to end of March 1897 has been Rs. 7,150.

INCORPORATED LOCAL FUNDS.

V Circle.—A sum of Rs. 967 was spent in the collection of materials for forming a village road from Lutchmangudi to Kottagam. Estimate Rs. 9,650.

TOOLS AND PLANT

SPECIAL.

I Circle—Constructing a new stern-wheel steamer for Marsapur Ferry.—Estimate Rs. 30,238. Expenditure during the year 284. Expenditure to end of the year Rs. 28,098. The current year's outlay was on account of departmental allowance to the Foreman of the Bombay dockyard who was sent to Dowlaisweram to put the steamer together.

EXCLUDED LOCAL FUND WORKS.

PORT FUNDS.

I Circle.—Quarters for the lighthouse establishment at Calingapatam were completed with an outlay of Rs. 5,851 against a sanctioned estimate of Rs. 6,120.

II Circle.—The Port officer's residence at Masulipatam was completed with an expenditure of Rs. 539; the total outlay on the work having been Rs. 7,433.

IV Circle.—A residence for the Port officer at Calicut was sanctioned at an estimated cost of Rs. 14,100. An outlay of Rs. 9,717 was incurred on the work. The main building was roofed in and plastering was in progress at the end of the year; out-houses completed.

VI Circle—Constructing a residence with out-houses for the Port officer at Pamban.—Estimate Rs. 8,000. The work has been completed. The expenditure during the year was Rs. 2,870 against the total outlay of Rs. 7,989.

I Circle—Extending the Southern and Northern Jetties at Cocanada by 2,300 and 200 feet, respectively.—Estimate Rs. 51,000 sanctioned in August 1896. Grant away with the circuitous channel to the southward; and, by concentrating tidal scour on the bar at the river mouth, to reduce dredging to a minimum as well as to provide a direct passage for cargo boats between the offing and the port. The work was extended to the sanctioned lengths. Packing of the stone remained to be done; so far the work is reported to have proved beneficial.

During the year under review, 27 consignments were received from England and there were 23 shipments to other Public Works divisions as against 36 and 35, respectively, in the previous year.

Public Works Workshops.—The value of work executed in the shops during the year was Rs. 1,88,993-8-3 as against Rs. 1,31,909-3-2 in the previous year, showing an increase of Rs. 57,084-5-1. It is remarked that in 1895-96, there was an increase of Rs. 40,294-7-4 over the previous year's transactions, so that there has been a total increase of nearly a lakh of rupees in the last two years. The value of work executed for the Public Works Department has also risen by Rs. 49,223-3-6. The following increases occurred in the work done for other departments, &c. :—

	RS.	A.	P.
Military Works and State Railways ...	1,077	5	2
Other Departments of Government ..	4,008	15	3
Private parties (Government of Mysore) ...	3,051	2	9

There was a small decrease of Rs. 276-5-7 in the work done for quasi-Public bodies. The increase in the work done for the Public Works Department is due principally to large amounts of timber and iron work prepared for works in the V Circle.

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

Department.	1895-96.		1896-97.		Difference.			
					More.		Less.	
	RS.	A.	P.	RS.	A.	P.	RS.	A.
Public Works Department ..	1,10,126	10	9	1,59,349	14	3	49,223	3
Military Works and State Railways ..	227	6	10	1,304	12	0	1,077	5
Other Departments ..	21,041	7	2	25,050	6	5	4,008	15
Quasi-Public Bodies ..	369	7	11	93	2	4	276	5
Private parties ..	144	2	6	3,195	5	3	3,051	2
Total ..	1,31,909	3	2	1,88,993	8	3	57,360	10
Increase over last year 1895-96 ..							57,084	5

The value of machinery and plant in the shops at the beginning of the year was Rs. 92,208-8-3. After deducting the usual 4 per cent. for depreciation, viz., Rupees 3,688-5-5, and adding receipts amounting to Rs. 747-10-5, the balance at the close of the year amounted to Rs. 89,267-13-3. The expenditure on tools and plant and machinery was Rs. 2,747-4-10 and that on new plant Rs. 747-10-5, while the balance of materials on hand at the end of the year was Rs. 164-10-11 as against a sanctioned reserve limit of Rs. 200.

Bezwada workshops.—The outturn of the shops amounted to Rs. 1,43,514 against Rs. 1,65,202 in the previous year. The work done was distributed between Irrigation and Provincial works in the proportion of two to one.

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

No. I.—STATEMENT showing outturn in Bezwada workshops during 1896-97.

	Irrigation works for which 20 per cent. is charged.		Works, public or private, for which 25 per cent. is charged.		Provincial works for which no centage is charged.	Total.	
	Outturn.	Centage.	Outturn.	Centage.		Outturn.	Centage.
	RS.	A.	P.	RS.	A.	P.	RS.
1896-97 ..	94,440	14	3	18,859	9	0	3,529
							12
							8
							882
							10
							6
							45,543
							5
							0
							1,43,513
							15
							11
							19,742
							0
							6

No. II.—STATEMENT of profit and loss account of Bezwada workshops.

Items.	Amount.		Items.	Amount.	
	RS.	RS.		RS.	RS.
To cost of establishment—			By actual realisations made for indirect charges on works done to other than Provincial as per statement No. I ..		
Supervision ..	2,400				
Materials ..	2,916				
Office establishment ..	1,869				
	729	7,185		19,742	
To cost of repairs to buildings ..					19,742
" of repairs to machinery and tools and plant ..	4,211	4,940			
Total ..		12,125			
Profit ..		7,617			
Grand total ..		19,742	Total ..		19,742

Note.—In addition to the profit of Rs. 7,617, all Provincial works (about one-third of the whole outturn) have been carried out free of charge for establishment and tools and plant.

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

	1896-97.	1895-96.	More than 1895-96.	Less than 1895-96.
	RS.	RS.	RS.	RS.
1. Work done for the Public Works Department, excluding centage ..	79,422	82,293	..	2,871
2. " for other departments, excluding centage ..	4,138	6,569	..	2,131
3. " for private persons, excluding centage ..	1,370	1,090	280	..
Total ..	85,230	89,952	280	5,002

The outturn in this year was less than that of the previous year owing to lack of work and to the stoppage of repairs to floating plant and machinery from January 1897 for want of funds. The cost of general charges (establishment, repairs to buildings, new tools, and repairs of tools and plant) amounted to Rs. 9,280 as against Rs. 11,205 realised as centage on work, resulting in a profit of Rs. 1,925.

Government Brick and Tile Factory.—There were two kilns at work in the Government Brick and Tile Factory—(i) Patent kiln and (ii) Punjab kiln. During the course of the year, work at the Punjab kiln was entirely stopped. The outlay on manufacture amounted to Rs. 76,607-0-2, while the value of outturn for the same period amounted to Rs. 70,361-4-10, showing a deficiency in outturn of Rupees 6,245-11-4.

Government lime kilns.—The outlay on manufacture under this head amounted to Rs. 18,403-7-8, while the value of outturn for the same period amounted to Rupees 18,342-8-6 or Rs. 60-15-2 less than the operation.

The total deficiency under the brick and lime kilns amounted to Rs. 6,306-10-6 which will be adjusted under the rules by debits 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 in the department.

Inventory of valuable stock.—The returns of stock were correctly maintained and rendered to the Examiner by all officers of the Public Works Department except the Executive Engineers of the Bellary, Cuddapah and Kistna Eastern divisions.

III CIRCLE.

The year began well for the operations of the department, but it was soon evident that the south-west monsoon was failing, and when this was followed by an almost complete failure of the north-east monsoon, the situation became grave; and the ordinary operations of the department in the circle were brought almost to a stand-still during the latter half of the year in order that the majority of the staff might be employed on famine-relief works. The circle was peculiarly unfortunate in this respect being coterminous with the districts affected by distress. The following figures will show how the subordinate staff was depleted for the execution of its ordinary duties:—

Division.	Sanctioned scale.	Transferred to famine-relief works.	Balance available for ordinary works.
Bellary	Rs. 11	Rs. 6	Rs. 5
Cuddapah	8	6	2
Kurnool	14	10	4
Total ..	33	22	11

The officers in charge of divisions and most of the Sub-division officers had to perform their ordinary duties in addition to the very heavy task of organising famine-relief works.

These works were handed over to the department by order of Government in December and January, and the number of such works with the numbers of relief-workers at the close of the year in each division are given in the following statement. The works consist almost entirely of road-making and repairs:—

Division.	Number of relief works.	Number of relief-workers.	Remarks.
Bellary	25	47,537	Includes Anantapur Sub-division which was formed into a separate charge for famine-relief work purposes.
Cuddapah	7	6,229	
Kurnool	28	17,984	

These numbers were subsequently very largely exceeded.

In addition to the ordinary staff transferred to or employed partially on famine relief, the following staff was appointed to the Circle by the Chief Engineer at the close of the year to assist in relief operations:—

Executive Engineer 1.
Assistant Engineers 6.
Upper Subordinates 41.

while 29 lower subordinates were appointed locally.

The circle was so overshadowed with famine during a large portion of the year that the schedule of rates could not be brought into order. It is, however, reported that steps have been taken to improve it and it is expected that the delay and the departmental work now in progress will increase the knowledge of local officers on this important subject and lead to more accurate results in the end.

MATTERS OF ARCHÆOLOGICAL INTEREST.

The Asoka inscriptions at Pandya in the Ganjam division were washed with silicate during the year with a view of protecting them from decay.

LIGHTHOUSES.

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

Vakalapudi.	Tellicherry.
Pulicat.	Mangalore.
Cochin.	Negapatam.
Calicut.	Hare Island.
Cannanore.	Manapad.

The lighthouses at Calingapatam, Santapille and Hope Island were not inspected, and the Superintending Engineer, I Circle, was accordingly directed to take an early opportunity of visiting them.

A special lighthouse division, under the charge of an Executive Engineer, was constituted in July 1896. The staff of this division was engaged on the preparation of plans and estimates for improvements to the existing structures and for illuminating apparatus, and will hereafter be engaged in the execution of such works as may be sanctioned. Estimates for the lighthouses at False Point Divi and Manapad have since been sanctioned and funds provided.

Public Works Stores.—The closing balance of the year was Rs. 1,41,347-12-1 against Rs. 1,58,384-12-2 at the end of the previous year.

The receipts were as follows:—

	Rs.	A.	P.
From London	37,115	1	5
„ Public Works Divisions	101	3	9
„ Public Works Workshops	1,964	14	0
„ Local purchases	16,342	13	0
„ Guaranteed Railways	1,875	0	0
„ Other Departments	38	2	9
„ State Railways	4,752	4	0
„ Provincial Revenue			
Total ..	62,189	6	11

and the issues were —

	Rs.	A.	P.
To Public Works Divisions	16,034	3	2
„ Public Works Workshops	59,973	10	7
„ State Railways	1,574	3	5
„ Guaranteed Railways	220	8	6
„ Articles valuing Rs. 10 and below transferred to other Divisions and Departments	38	13	2
„ Other Departments	331	6	3
„ Private sales	1,053	9	11
Total ..	79,226	7	0

The closing balance of stock, viz., Rs. 1,41,347-12-1, though well within the sanctioned reserve limit of Rs. 2,25,000, includes surplus and obsolete stores, a list of which is under preparation in view to the disposal of the articles being considered.

Special stores to the value of Rs. 58,467-14-4 were obtained from England on account of other divisions and departments and were duly despatched to their destinations.

Instruments, tools and plant to the value of Rs. 44,519-6-7 were issued numerically to Public Works, Provincial Services, but at a valuation to other than Provincial services, and to other departments.

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.				
8. Administration—cont.				
(4) Land Revenue Buildings—cont.				
Deputy Tahsildar's office at Chattrapur ..	13,800	..	1	Not taken in hand for want of funds.
Court and record-rooms and outhouses to be attached to the Deputy Tahsildar's office at Parlakimedi with a compound wall.	6,500	1,001	6,516	
First-class Tahsildar's cutcherry at Narasipatnam ..	42,600	3,321	16,803	
First-class Tahsildar's cutcherry at Palkonda ..	27,120	3,369	16,720	
Additions and alterations to the General Deputy Collector's cutcherry at Vaidyanagaram to suit the requirements of a Sub-Collector's office.	3,100	..	2,131	
Combined cutcherry for the Deputy Tahsildar and Town Sub-Magistrate at Cocanada ..	21,360	17,115	2,462	Completed.
Additions and improvements to the additional buildings attached to the Collector's cutcherry at Cocanada ..	12,500	5,202	9,509	
First-class Taluk cutcherries at Kovar ..	34,270	27,871	8,205	The cutcherry was incurred on materials and wood work. Proposals for the alteration of the site for the building were made.
Deputy Collector's office at Ellore ..	19,900	..	6,913	
Deputy Tahsildar's office at Nattapeta ..	18,250	151	9,557	
First-class Taluk office at Gurazala ..	40,700	41,012	102	Completed.
Do. do. at Vankonda ..	29,400	19,150	12,115	
Do. do. at Guntur ..	13,500	15,775	19,900	
Do. do. at Narsimhapeta ..	26,100	36,321	1,300	
Deputy Collector's office at Narsimhapeta ..	19,130	19,999	604	Completed.
Stationary Sub-Magistrate's office at Barwaha ..	11,750	..	4,757	
Taluk office at Gonnur ..	31,675	31,269	185	Completed.
Do. at Gonnur ..	38,370	15,541	15,472	
Record-room in the compound of Collector's office, Masulipatnam ..	14,234	17,122	443	Completed.
Deputy Tahsildar's cutcherry at Avanti-gidda ..	25,700	10,905	9,545	
Taluk office at Bapatla ..	49,100	9,912	16,000	
Deputy Tahsildar's office at Bommar ..	29,400	9,551	10,122	
Taluk office at Tenali ..	32,220	32,555	297	
Deputy Collector's cutcherry at Atmakota ..	20,180	29,271	181	Completed.
Treasury with separate room for the Treasury Deputy Collector at Nellore ..	17,500	7,757	10,209	
Town record-rooms for the Collector's office, Nellore ..	3,120	1,620	113	
First-class Taluk office with outhouses at Ongole ..	31,250	..	14,318	
First-class taluk cutcherry at Nandigama ..	31,100	31,495	40	
Taluk cutcherry at Tadipatri ..	36,270	33,227	5,368	Completed, but accounts not closed.
Do. do. at Hindupur ..	44,270	32,025	9,221	
Do. do. at Chetty ..	35,704	27,072	9,377	Completed. Accounts will be finally closed in 1897-98.
Do. do. at Idarnavaram ..	35,682	22,470	13,100	
Do. do. at Madhavaram ..	35,782	13,171	9,002	Completed. Accounts not closed.
Improvements to the Taluk office at Hospet ..	8,537	3,200	3,925	
Improvements to the Taluk office at Alur ..	11,700	..	2,990	
Taluk office at Hapachiti ..	33,900	21,209	9,804	
Do. do. at Pradikur ..	41,939	27,026	6,791	
Do. do. at Pattikonda ..	36,610	15,413	326	
Deputy Collector's cutcherry at Markapur ..	21,530	10,828	8,290	Completed. Final bill received too late to be paid in March 1897.
Stationary Sub-Magistrate's office at Nandyal ..	9,550	1,641	6,211	
Collector's office at Calicut ..	2,17,847	2,17,481	366	Completed.
Taluk office at Tiruvangaly ..	18,130	6,511	11,131	
Alterations and additions to the Deputy Tahsildar's and Stationary Sub-Magistrate's office, Alathur ..	6,400	..	3,616	

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
I. CIVIL BUILDINGS.				
MAJOR WORKS—cont.				
8. Administration—cont.				
(4) Land Revenue Buildings—cont.				
Deputy Tahsildar's office at Anjengo ..	14,480	3,473	9,510	Completed.
Do. do. at Tangasseri ..	16,050	7,243	7,088	
Stationary Sub-Magistrate's office at Puttur ..	9,400	..	4,999	
Stationary Sub-Magistrate's office at Coondapoor ..	10,080	..	4,051	
Sub-Collector's office at Tellicherry ..	17,440	..	13,984	Completed.
Upper storey over the Treasury compartment of the Collector's office at Mangalore ..	4,090	4,090	394	
Improvements to the Collector's office at Salem ..	14,300	13,040	955	
Deputy Tahsildar's office and outhouses at Yercaud ..	4,080	3,927	98	
Taluk cutcherry at Tirupattur ..	46,000	40,477	1,126	Completed with the exception of wire-fencing.
Sub-Magistrate's office at Namakkal ..	8,250	..	4,003	
Head Assistant Collector's office at Tirupattur ..	22,500	20,669	84	Completed.
Taluk cutcherry at Tiruchengodu ..	43,800	44,976	46	Completed.
Do. do. at Chendragiri ..	34,920	33,896	1,060	
Do. do. at Wandiwash ..	34,850	36,907	1,135	
Deputy Tahsildar's office with outhouses at Ambur ..	16,550	15,031	3,177	Completed.
Deputy Tahsildar's office at Tirupati ..	11,990	4,743	7,451	
Additional accommodation in the Taluk cutcherry at Arcot ..	4,400	919	3,400	
Taluk cutcherry at Gopichettipalayam ..	29,550	33,617	2,735	Completed.
Do. do. at Bhavani ..	29,250	31,753	35	
Do. do. at Kollegal ..	40,090	32,244	11,899	
Do. do. at Karur ..	32,100	5,587	18,106	
Head Assistant Collector's office at Pollachi ..	14,050	14,786	47	Completed.
Combined office for the Deputy Collector and Stationary Sub-Magistrate, Tiruvallur ..	24,960	2,776	19,488	
First-class Taluk office at Tiruvannamalai ..	39,210	10,526	15,869	
Additions and improvements to the Collector's office at Cuddalore ..	1,02,230	40,276	61,431	
Improving the Sub-Collector's office at Tindivanam ..	5,370	2,001	3,370	Completed, but accounts not finally closed.
Taluk office at Chidambaram ..	40,745	39,090	1,279	Completed.
Stationary Sub-Magistrate's office at Tirukkoyilur ..	5,870	5,827	379	
Stationary Sub-Magistrate's office at Kallakurichi ..	5,830	4,976	798	
Record-room for the Taluk cutcherry at Kumbakonam ..	5,010	4,648	408	Completed.
Additions and improvements to the Taluk office at Nannilam ..	2,765	836	1,901	Completed, but accounts not finally closed.
Public offices at Tanjore ..	1,25,800	22,924	41,727	
Stationary Sub-Magistrate's office at Kumbakonam ..	11,140	..	5,169	
First-class Taluk cutcherry at Musiri ..	34,405	35,289	128	Completed with the exception of erection of lightning-conductor.
First-class Taluk cutcherry at Jayankondasapuram ..	40,000	38,550	737	
Stationary Sub-Magistrate's office at Kullitalai ..	8,500	..	2,500	
Stationary Sub-Magistrate's office at Perambalur ..	7,600	..	2,599	
Vernacular record-room for the Collector's office in Tirumal Naick's palace and acquiring and enclosing lands around the palace ..	60,700	35,071	7,768	
Head Assistant Collector's office at Ramnad ..	17,700	10,120	3,466	Completed.
Additions to the new Taluk office at Tirumangalam to accommodate the Stationary Sub-Magistrate ..	5,170	..	5,241	Completed with the exception of flooring.
Additions and alterations to the Deputy Tahsildar's office at Kodaikāñal ..	4,320	..	173	
Stationary Sub-Magistrate's office at Periyakulam ..	9,000	..	2,000	

STATEMENT showing the expenditure on Major Works in detail and Minor Works and Repairs in lump sums during the year 1896-97.

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.				
1. ORIGINAL WORKS.				
MAJOR.				
1. Accommodation for Troops.				
Quarters for the Sergeant Instructor at Rabbil.	9,353	9,353	— 511	This sum was credited to the work, being the difference between the estimate amount originally debited and the actual cost adjusted.
Armoury with magazine, store-room and quarters for the Sergeant Instructor attached to the South Indian Railway Volunteer Rifle Corps, Cuddalore.	(a) 9,830	(b) 9,697	233	Completed and handed over during the year. (a) Includes Rs. 4,450 from contributions. Rs. (b) 44. Military works .. 5,247 Contributions .. 3,846 Miscellaneous advances .. 606 Total .. 9,697
Armoury, store-room, magazine and quarters for the Sergeant Instructor, South Indian Railway Volunteer Rifle Corps at Trichinopoly.	6,300	..	3,779	The estimate includes Rs. 1,600 from contributions.
8. General Contingent Works.				
(1) Water Supply.				
Additional water pipes and fountains in the Pioneer and Infantry lines at Trichinopoly.	4,900	..	4,074	Completed.
Contribution towards Trichinopoly water-supply works.	23,400	22,670	730	The estimate sanctioned in G.Os. No. 387 W., dated 14th February 1895 and No. 2315 W., dated 18th November 1896.
(2) Drainage and Clearance.				
Constructing a drainage for the sewage of the South Infantry lines at Trichinopoly.	6,640	1,277	5,033	Completed.
Total ..	..	..	13,338	
MINOR.				
I Circle	..	..	1,958	
IV "	3,362	..	3,421	
VI "	..	..	900	
Total ..	..	..	6,279	
REPAIRS.				
I Circle	..	..	4,496	
II "	..	..	380	
IV "	..	..	38,510	
V "	..	..	1,329	
VI "	..	..	6,032	Rupees 1,187 were spent on repairs to the Sergeant Instructor's quarters, Negapatam.
Total ..	..	..	50,747	
Grand Total ..	..	..	70,864	
II.—45. CIVIL WORKS—IMPERIAL.				
1. ORIGINAL WORKS.				
MAJOR.				
3. Salt.				
Communications.				
Restoring the cross road connecting the Chumampet-Madurantakam road with the Marikanur-Dindivanam road.	12,060	..	1,448	The outlay represents the value of materials collected during the year.
Constructing dam across Valavanur ..	8,900	243	— 60	

Statement showing the expenditure on Major Works in details, &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.				
1. ORIGINAL WORKS—cont.				
MAJOR—cont.				
6. Post Office.				
Post office at Jeypore ..	3,140	281	2,173	
Land for passage on the right side of combined Postal and Telegraph office at Vaniambadi.	2,710	..	144	
Constructing new stables for horses of the General Post office at Madras.	13,167	..	11,634	
7. Telegraph.				
Telegraph office with outhouses at Vizagapatam.	11,350	..	348	
Land for passage on the right side of combined Postal and Telegraph office at Vaniambadi.	2,710	..	18	
Meteorological.				
Observatory building at Kodaikanal ..	35,060	1,879	331	
Quarters at Kodaikanal for the members of the Government Astronomer's establishment.	11,570	..	4,280	
Total ..	..	..	20,316	
MINOR.				
I Circle	..	..	225	
II "	..	..	185	
III "	..	..	1,420	
IV "	..	..	1,110	
V "	..	..	880	
VI "	..	..	1,227	
Consulting Architect to Government ..	..	..	183	
Total ..	..	..	5,230	
REPAIRS.				
I Circle	..	..	1,599	
II "	..	..	1,853	
III "	..	..	271	
IV "	..	..	3,754	
V "	..	..	617	
VI "	..	..	1,783	
Consulting Architect to Government ..	..	..	2,854	
Total ..	..	..	12,731	
Grand Total ..	..	..	38,277	
III.—PROVINCIAL.				
1. CIVIL BUILDINGS.				
MAJOR WORKS.				
1. Forest.				
Office for the Conservator of Forests at Waltair.	8,800	950	6,340	
Office for the Conservator of Forests at Coimbatore.	10,380	8,965	1,469	Completed.
2. Customs.				
Alterations and repairs to the Sea Customs Godowns at Cocanada.	4,400	3,745	69	Completed in 1895-96. Further expenditure was due to certain adjustments.
Corrugated iron warehouse at Tellicherry.	6,580	5,366	1,166	Completed.
Warehouse at Calicut ..	6,400	6,188	164	
Two blocks of corrugated iron to warehouse at Ponnani.	13,140	8,083	4,577	
Warehouse at Mangalore ..	11,569	1,215	4,167	The expenditure represents compensation paid for land.
Warehouse at Cochin ..	4,660	2,572	1,902	Completed.
Sea Custom House at Baindur ..	3,790	500	137	Work in abeyance as the site has not been handed over by the Revenue Department.
Sea Custom House at Kallai ..	3,730	3,720	198	Completed.
Customs godown at Negapatam ..	5,700	4,274	6,187	
Public warehouse at Madras ..	42,657	36,975	27	Work in abeyance.

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
I. CIVIL BUILDINGS—<i>cont.</i>	RS.	RS.	RS.	
MAJOR WORKS—<i>cont.</i>				
8. Administration—<i>cont.</i>				
(4) Land Revenue Buildings—<i>cont.</i>				
Stationary Sub-Magistrate's office at Sattūr.	7,090	..	2,000	
Improving the Taluk outcherry and constructing a sub-jail and cook-room at Sattūr.	5,576	..	4,000	
Stationary Sub-Magistrate's office at Sankaranayinarkōvil.	7,350	..	1,247	
Office-room for the Tahsildar at Sankaranayinarkōvil.	2,570	..	332	
(6) Residences for Local Governments and Secretariat offices.				
Band-room and single men's quarters at Government House, Ottumund.	4,100	..	3,883	Completed
Enclosing the Government House, Madras, on north and east sides with iron wire-fencing and steel uprights.	5,794	..	5,773	
Teak-wood ceilings, &c., to hall and adjoining room at the Government House, Madras.	2,562	..	2,158	
Masonry drain, iron hot-water boiler, &c., at the Government House, Madras.	2,068	..	2,430	
Enlarging the drawing-room and providing ornamental ceilings at the Government House, Madras.	12,590	..	12,320	
Constructing an intermediate floor in the monsoon dining-room and providing ceilings to the dining and intermediate rooms and bed-rooms above at the Government House, Madras.	9,325	..	8,779	
Quarters for the Bandmen of His Excellency the Governor.	51,900	37,661	8,408	Completed in July 1896.
Enclosing Guindy Park, Government House, Guindy, with galvanized iron wire-fencing and steel uprights.	3,575	..	1,243	Completed.
Quarters for servants at Government House, Guindy.	26,040	..	16,751	
9. Minor Departments.				
(3) Monuments and Antiquities.				
10. Educational.				
(1) Government Colleges.				
Reconstructing the gymnasium shed at the Provincial College, Kumbakonam.	2,690	..	1,360	
Additional accommodation on the north side of the Presidency College for the Professors of Biology and Physical Science.	62,570	58,978	747	Completed.
New Law College, Madras	3,84,914	3,12,627	37,976	
Gas works for the Chemical, Physical and Biological Laboratories of the Presidency College, Madras, and the Workshops attached to the College of Engineering and providing fittings and furniture for the Chemical Laboratory of the former building at Chepāk.	28,237	..	2,606	
Connemara Library and connected buildings.	5,74,202	5,50,209	18,352	
(2) Government Schools.				
Reconstructing a school-house at Koraput.	3,010	1,591	701	
Normal and Union schools for the Training College, Rajahmundry.	46,500	..	10,553	
Improving the school building at Bhadrachalam.	2,610	2,596	8	Completed.
School-house at Anantapur	19,920	13,470	6,886	
Upper storey to the Government Training School for Masters at Coimbatore.	10,250	4,763	886	
Government Girls' School at Dharmapuri.	2,970	1,661	1,222	Completed.
Government Training School at Mangalore.	9,060	..	4,761	

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
I. CIVIL BUILDINGS—<i>cont.</i>	RS.	RS.	RS.	
MAJOR WORKS—<i>cont.</i>				
11. Ecclesiastical.				
(2) Burial-grounds.				
Protestant cemetery at Pallavaram ..	2,310	1,501	1,614	Completed.
Cemetery at Villupuram	4,020	1,023	3,018	
Filling in tank and low ground in Purse-walkam General Cemetery, Madras.	2,593	882	1,267	
12. Law and Justice.				
(1) High Court.				
Property rooms for the High, Small Cause and City Civil Courts, Madras.	44,764	9,231	18,791	The walls were raised all round to a height of 10 feet.
(3) District Courts.				
District Munsif's Court at Narasaraopet ..	17,950	16,017	738	Completed.
District Munsif's Court-house at Nandyal.	17,355	16,128	1,364	
District Munsif's Court with out-houses at Karikal.	20,276	16,468	4,491	
Combined office for the Deputy Tahsildar and District Munsif at Ottappalam.	38,390	..	7,496	
Improvements to the Sub-Judge's Court at Palghat.	4,250	1,527	2,940	Completed.
District Munsif's Court at Krishnagiri ..	3,770	..	2,737	
District Munsif's Court-house at Villupuram.	..	..	718	
District Munsif's Court-house at Tiruturaiappandi.	15,310	15,603	—101	Completed.
13. Jails.				
(1) Central Jails.				
Masonry walls along the roads between the gate and tower in the Central Jail at Rajahmundry.	3,140	861	1,943	
Fifty close prison cells in the Central Jail at Salem.	20,800	20,166	62	Completed.
Sinking a new well in the Central Jail at Cannanore.	4,650	..	1,151	
Deepening the main gate well, Central Jail, Coimbatore.	5,650	3,107	78	
Converting blocks Nos. 6, 8 and 16 in the Central Jail at Coimbatore into cells.	9,540	8,439	5,297	
Circular kitchen with 12 cooking places at the Central Jail, Vellore, and protecting with iron plates dwarf wall.	4,200	4,235	111	Completed.
Strengthening the windows and ventilators of the sleeping wards in the Central Jail at Vellore.	3,080	..	1,651	
(2) District Jails.				
Improvements to the District Jail at Berhampur.	7,930	7,958	311	Completed.
New hospital and throwing back south-east main wall, Pārvatipuram Hill Jail.	22,156	19,415	3,195	
Improving and extending the sub-jail at Koraput.	13,378	13,834	2,072	Completed.
(3) Lock-ups.				
Extending the sub-jail attached to the Taluk office at Masulipatam.	4,670	4,055	976	Completed.
14. Police.				
Police huts at Koraput	7,560	5,533	3,194	Completed.
Do. Jeypore	7,100	3,967	5,248	
First-class station-house at Waltair ..	2,890	2,554	228	Completed.
Do. Police station with lock-up at Jeypore.	2,750	80	496	
Reserve Inspector's quarters at Rajahmundry.	2,945	..	3,217	
Dwelling house and an office bungalow for the Assistant Superintendent of Police at Narsapur.	10,125	..	10,309	
Police office at Anantapur	27,800	16,976	13,530	
Police station at Brucepetta	6,380	2,520	3,988	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
INCORPORATED LOCAL FUND—cont.				
45. CIVIL WORKS—cont.				
II. COMMUNICATIONS—cont.				
2. Unmetalled roads.				
Iron girder bridge on bank canal at 20th mile across Khandavilli road.	6,950	6,980	1	
Total ..	16,600	6,980	908	
MINOR WORKS.				
I Circle	..	..	61	
V "	..	..	796	
Total ..	..	..	857	
REPAIRS.				
I Circle	..	..	2,703	
II "	..	..	3,267	
V "	..	..	19,614	
VI "	..	..	4,955	
Total ..	..	..	30,579	
III. MISCELLANEOUS PUBLIC IMPROVEMENTS.				
Minor Works.				
I Circle	..	..	19	
Total ..	..	..	19	
REPAIRS.				
II Circle	..	..	487	
Total ..	..	..	487	
Grand Total ..	..	..	32,912	
V. EXCLUDED LOCAL FUND WORKS.				
I. CIVIL BUILDINGS.				
Major Works.				
Lighthouse.				
Lighthouse-keepers' and light-keepers' quarters at Calingapatam.	6,120	2,746	3,106	Completed.
MISCELLANEOUS.				
Port Officer's residence at Masulipatam ..	6,860	6,864	539	Completed.
Quarters for the Port officer at Calicut ..	18,160	..	9,717	
Residence with out-houses for the Port Officer at Pamban.	8,000	6,119	2,870	Do.
Total ..	..	..	16,231	
MINOR WORKS.				
I Circle	..	..	1,461	
VI "	..	..	690	
Consulting Architect to Government ..	..	..	40	
Total ..	..	..	2,191	
REPAIRS.				
I Circle	..	..	989	
* Consulting Architect to Government ..	..	..	4,661	
Total ..	..	..	4,900	

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. MISCELLANEOUS PUBLIC IMPROVEMENTS.				
MAJOR WORKS.				
7. Harbour.				
Extending the southern and northern jetties at Cocanada.	51,000	..	38,288	Completed.
Collecting rough stone boulders as a reserve stock on the Vypeen foreshore.	5,000	..	4,540	
Sea wall in front of the Custom house and flagstaff at Tellicherry.	5,058	..	5,016	
New rough stone groynes along the Vypeen foreshore at Cochin.	3,600	..	3,168	
Collecting rough stone boulders as a reserve stock on Cochin foreshore.	2,620	..	2,432	Completed with the exception of turn-table.
New pier at Tuticorin and reclamation of the foreshore.	1,86,000	1,48,508	5,639	
Protecting the T head of the pier at Tuticorin.	2,500	..	1,316	
8. Lighthouse.				
Improvements to the lightning conductor of the lighthouse at Mangalore.	3,190	3,310	5	Work in abeyance.
Constructing a lighthouse and subsidiary buildings at False Point Devi.	1,13,240	..	225	
Total ..	..	..	60,637	
MINOR WORKS.				
II Circle	..	..	30	
IV "	..	..	1,763	
V "	..	..	411	
Consulting Architect to Government ..	..	..	222	
Total ..	..	..	2,426	
REPAIRS.				
I Circle	..	..	402	
II "	..	..	2,306	
IV "	..	..	1,128	
V "	..	..	890	
VI "	..	..	628	
Consulting Architect to Government ..	..	..	9	
Total ..	..	..	5,171	
Grand Total ..	..	..	91,646	
VI. WORKS IN ESTATES UNDER THE COURT OF WARDS				
MAJOR WORKS.				
Quarters for the daughters of the Zemindar of Peddakimedi.	2,600	..	957	Since abandoned.
Reconstructing the chuttram at Tirupalathurai, Trichinopoly taluk.	2,680	769	1,904	Completed.
Total ..	..	..	2,861	
MINOR WORKS.				
I Circle	..	..	1	
V "	..	..	483	
Total ..	..	..	483	
REPAIRS.				
I Circle	..	..	1,959	
IV "	..	..	106	
VI "	..	..	664	
Total ..	..	..	2,729	
Grand Total ..	..	..	6,073	
CONTRIBUTION WORKS.				
Water-supply to the town of Vizagapatam.	4,21,000	..	8	The outlay represents the cost of the trial pits sunk.

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	
I. CIVIL BUILDINGS—cont.					
MAJOR WORKS—cont.					
14. Police—cont.					
Police station at Adóni	2,984	..	1,361	Completed.	
Police hospital at Kurnool	8,570	3,012	5,359		
Police office at Kurnool	25,600	..	13,718	Completed.	
Police huts at Puthur	3,430	3,490	63		
Second-class Police station at Tiruchanur.	2,760	1,931	329		
Constructing six Police huts at Ránigunta.	3,270	3,300	213		
Improvements to the Police station and sub-jail at Coonoor.	3,920	2	3,697		
Police ward in the compound of the Civil Dispensary at Kollegal.	4,250	43	2,240	Completed.	
Police huts at Mangalore	30,770	..	1,500		
Third-class Police station at Meppadi ..	2,820	1,610	1,120		
Additions to the Police Superintendent's office at Calicut.	3,220	..	1,522	Completed.	
Police lines near Mahamaghakulam, Kumbakonam.	24,792	22,503	2,288		
Office and residence for the Assistant Superintendent of Police at Tuticorin.	12,450	..	763	Completed.	
Police station at Kilpauk	4,907	..	4,956		
Constructing a new Police station house at Royapett.	5,130	4,744	17	Completed.	
15. Medical.					
(1) Hospitals and Dispensaries.					
Hospital building with out-houses at Polavaram.	2,650	2,218	680	Completed.	
Isolation shed for female patients and surgical sheds in the General Hospital, Madras.	5,240	2,425	2,616		
Apothecaries' day and night rooms over out-patient dispensary in the General Hospital, Madras.	8,390	..	4,987	Completed.	
Altering linen room into quarters for native paying patients in the General Hospital, Madras.	6,300	..	3,114		
Minor additions and alterations to the General Hospital and connected buildings, Madras.	8,375	..	7,167	Completed.	
Do. do. do.	4,412	3,227	515		
Additions to the Government Maternity Hospital, Madras.	34,269	35,107	625	Completed.	
Boundary wall in lieu of corrugated iron wire-fencing to the criminal enclosure in the Leper Hospital, Madras.	3,486	..	2,654		
(2) Medical Colleges and Schools.					
Extending Chemical Laboratory, Medical College, and patent sash line for windows to extensions.	19,118	16,578	5,008	Completed.	
(4) Lunatic Asylum.					
Removing the existing asphalt floor and re-flooring with half-inch cement to the blocks of the Lunatic Asylum, Madras.	3,500	3,399	25	Completed.	
16. Miscellaneous.					
(1) Registration.					
Sub-Registrar's office at Chicacole ..	3,470	2,470	1,629	Completed.	
Do. Biccavolu	2,600	8,080	88		
Do. Attili	4,200	3,553	850		
Do. Kovur	3,550	3,271	792		
Do. Kottapetta	4,170	..	4,243		
Do. Mumidivaram ..	3,900	4,371	4	Completed.	
Extension of Kota Deputy Tahsildar's office to accommodate Sub-Registrar's office.	2,530	924	1,417		
Sub-Registrar's office at Allúra ..	3,105	3,085	12		
Extension of Deputy Tahsildar's office to accommodate Sub-Registrar's office at Sularpett.	2,810	..	2,766		

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
I. CIVIL BUILDINGS—cont.				
MAJOR WORKS—cont.				
16. Miscellaneous—cont.				
(1) Registration—cont.				
Sub-Registrar's office at Alár, Bellary district.	2,820	2,120	577	Completed.
Sub-Registrar's office at Gooty, Bellary district.	2,770	2,415	355	
Sub-Registrar's office at Allagadda, Kurnool district.	3,260	2,824	304	Wire-fencing to the compound is being fixed; otherwise completed.
Sub-Registrar's office at Vayittiri ..	8,786	8,654	256	
Do. at Irikkur ..	3,860	3,425	592	Completed.
Do. at Manjéri ..	3,630	..	542	
Do. at Ottappalam ..	3,760	..	1,465	Completed.
Do. at Dharinapuri ..	3,440	2,011	1,284	
Do. at Parmathi ..	3,630	2,996	450	Completed.
Do. at Sholingur ..	3,400	3,157	365	
Do. at Kátapádi ..	3,580	..	2,238	Completed.
Do. at Tiruppurúr ..	3,340	..	3,326	
Do. at Nellikuppam ..	3,420	1	2,475	Completed.
Do. at Tindivanam ..	3,440	1,604	1,740	
Do. at Tirukkóvilár ..	3,440	1,193	205	Completed.
Do. at Kurinchipádi ..	3,840	500	2,140	
Do. at Kallakuruchi ..	2,770	374	2,266	Completed with the exception of asphaltting, painting and wood-oiling.
Do. at Porto Novo ..	3,420	1,490	1,879	
Do. at Merattur ..	3,010	929	2,145	Completed.
Do. at Shiyali ..	3,120	1,447	1,800	
Do. at Kutitálam ..	3,040	2,889	11	Completed.
Do. at Pattukkóttai ..	3,310	809	2,504	
Do. at Chettikulam ..	2,950	1,020	1,020	Completed.
Do. at Do. ..	2,950	..	2,885	
Do. at Tiruppuvanam ..	4,270	1,321	2,723	Completed.
Do. at Pattikonda ..	2,630	..	256	
Do. at Aruppukóttai ..	4,430	1,014	2,337	Completed.
Do. at Kallieudi ..	4,080	2,661	1,577	
Do. at Périayár ..	4,030	1,869	2,043	Completed.
Do. at Páini ..	3,300	1,000	2,240	
Do. at Kóvilpatti ..	4,380	2,001	2,177	Completed with the exception of some painting.
Do. at Rajapalam ..	3,380	..	404	
Improvements to the office of the Inspector-General of Registration, Madras.	3,277	..	1,797	
(2) Printing.				
Rebinding the Job Department, Government Press, Madras.	3,744	..	1,026	
(4) Public Works Buildings.				
Additions and Improvements to the Taluk office at Nannillam.	2,765	835	400	Almost completed.
Residence with out-houses for the Conservator of Forests at Waltair.	15,785	3,557	9,331	
Police Assistant Superintendent's quarters at Narasapattanam.	6,500	..	5,769	Completed.
Improvements to the Superintending Engineer's office building at Dowlaish-waram.	8,413	2,688	707	
Quarters with out-houses for the Executive Engineer, Kistna Northern division.	12,480	6,175	2,949	Completed.
Office for the Executive Engineer, Kistna Northern division.	9,550	..	699	
Acquiring certain lands in connection with the Public Works Department buildings at Bezvada.	..	297	297	Completed.
Residence for the Head Assistant Collector at Gudur.	9,190	9,090	46	
Land taken up for armoury and parade ground for South Indian Railway Volunteers at Nellore.	7,017	..	7,017	Completed.
Head Assistant Collector's residence at Hospet.	10,162	5,384	3,533	
Improvements to the District Surgeon's quarters at Anantapur.	4,570	759	3,743	Completed.
Head Assistant Collector's residence at Nandyal.	12,481	10,096	1,483	
Store-shed for famine tools at Cumbum ..	3,420	1,780	2,333	Completed.
Rest-house at Markapur ..	2,760	411	3,449	

STATEMENT showing the expenditure incurred on establishment in divisions during the year 1896-97, and the percentage it bears to the outlay on works and repairs.

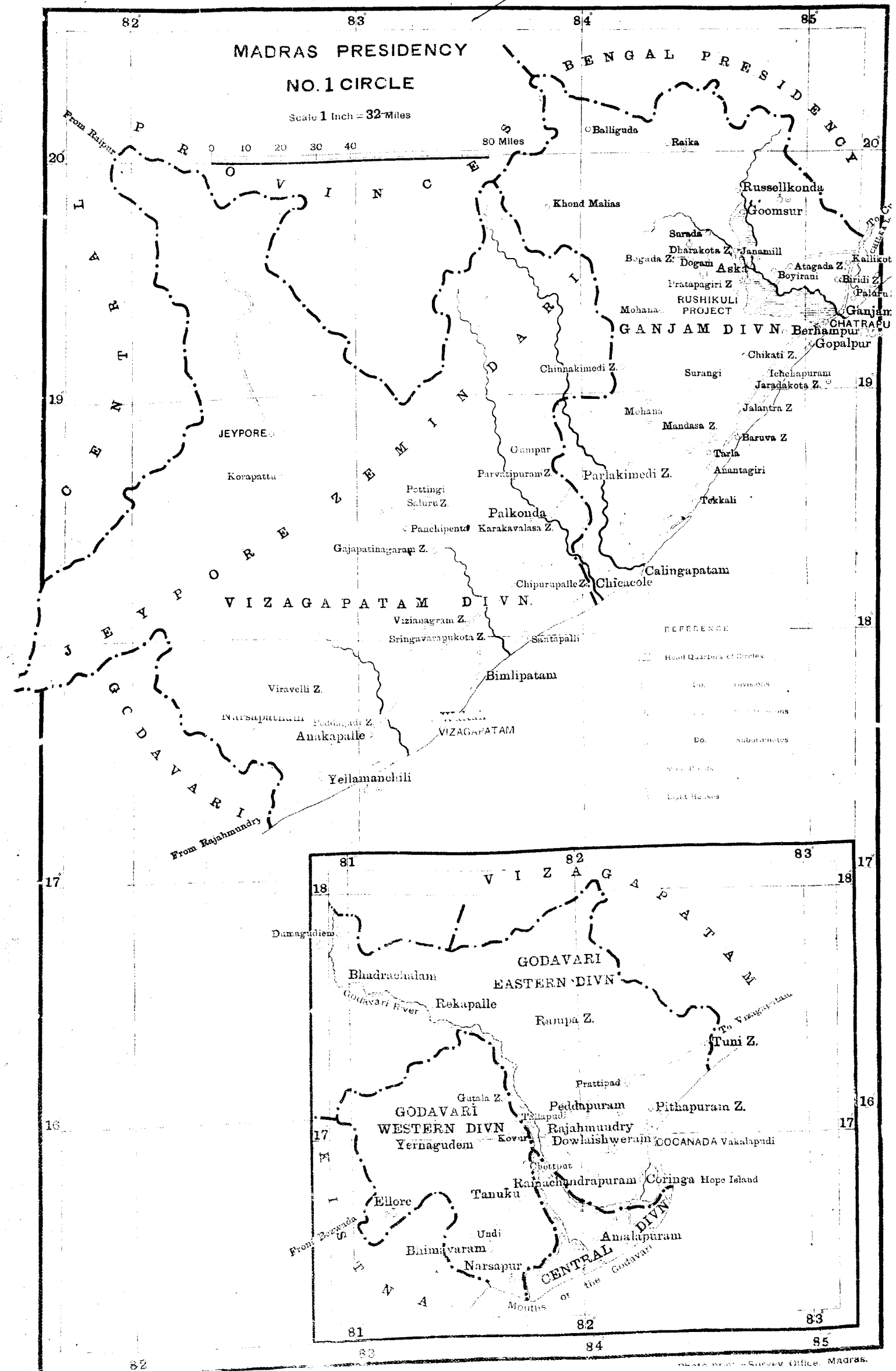
Number.	Divisions.	Total expenditure on works and repairs.	Cost of establishment.							
			Engineer.	Upper Subordinate.	Lower Subordinate.	Total.	Percentage (column 7 bears to column 2).	Petty establishment.	Office and accounts establishment.	Total of columns 7, 9 and 10.
1	2	3	4	5	6	7	8	9	10	11
		RS.	RS.	RS.	RS.	RS.		RS.	RS.	RS.
1	Ganjam division ..	3,08,156	20,290	30,657	696	51,643	10.3	5,280	13,187	60,110
2	Vizagapatam do. ..	1,73,652	13,882	13,432	840	28,154	16.2	2,161	7,410	37,725
3	Goddavari Eastern division. ..	2,68,202	24,701	12,009	..	37,610	14.0	15,936	15,706	69,252
4	Do. Western do. ..	2,55,736	15,520	20,002	447	36,069	14.0	16,799	10,876	63,734
5	Do. Central do. ..	1,51,678	13,090	6,041	382	20,113	13.3	6,483	5,241	18,737
6	Kistna Northern do. ..	4,59,964	28,620	13,992	80	42,692	9.3	9,768	11,637	64,087
7	Do. Eastern do. ..	5,25,060	19,522	18,168	600	38,290	7.3	12,852	12,126	68,308
8	Do. Western do. ..	5,76,804	21,876	16,597	..	38,473	6.6	10,436	11,260	60,169
9	Nellore division ..	2,28,904	12,766	23,423	2,207	38,396	16.8	8,404	11,275	68,075
10	Buckingham canal division. ..	2,47,627	5,852	19,581	1,020	26,453	14.3	1,383	14,270	61,106
11	Bellary division ..	1,81,145	23,588	18,512	1,334	43,432	23.9	2,530	8,156	54,118
12	Cuddapah do. ..	1,41,383	9,579	15,252	3,444	28,275	17.8	2,005	8,221	36,501
13	Kurnool do. ..	1,38,681	14,827	23,111	420	42,358	30.6	9,231	10,933	62,523
14	West Coast do. ..	2,02,916	17,197	17,265	928	35,390	17.4	1,850	7,725	44,965
15	Coimbatore do. ..	8,14,863	17,705	20,258	3,023	40,986	13.0	3,046	9,131	53,163
16	Salem do. ..	96,752	14,217	13,462	1,678	29,357	30.7	3,060	7,957	40,374
17	North Arcot do. ..	1,81,519	18,033	21,883	3,155	43,171	23.8	6,963	10,920	61,054
18	Chingleput do. ..	2,16,169	11,636	26,426	1,858	39,920	18.6	3,013	9,147	52,080
19	South Arcot do. ..	3,41,018	10,051	27,977	839	37,967	11.1	4,722	10,309	62,998
20	Tanjore do. ..	3,20,488	46,265	27,203	2,110	75,678	23.6	12,573	11,886	1,00,036
21	Nagapatam do. ..	1,41,628	19,933	18,810	..	24,743	17.5	2,471	7,168	34,382
22	Public Works Workshops division ..	3,006	4,869	1,573	..	6,442	214.3	1,869	7,153	15,464
23	Public Works Stores division ..	4,550	4,869	..	..	4,869	107.0	844	5,641	11,354
24	Trichinopoly division ..	1,54,043	12,932	8,403	1,074	22,409	14.6	1,942	6,597	30,948
25	Madura do. ..	3,24,327	32,924	32,070	683	65,677	17.0	5,763	13,002	74,432
26	Tinnevely do. ..	2,81,112	12,017	17,518	2,191	31,726	11.3	4,871	10,195	46,792
27	Consulting Architect division ..	4,16,500	10,560	26,312	2,160	39,032	9.3	2,087	17,210	58,329
28	Lighthouse division ..	225	5,509	1,787	..	7,276	3233.7	15	1,014	8,305
29	Rashtakulya do. ..	..	646	1,671	50	2,267	..	217	675	2,159
30	Periyar No. 1 division ..	..	1,158	72	129	1,359	..	278	823	2,460
31	Tank Restoration works ..	..	..	1,050	680	1,730	..	584	745	2,479
	Total, Construction ..	66,57,008	4,56,232	4,79,527	32,028	9,67,787	14.5	1,60,316	2,77,595	14,05,698
	Direction.									
	(a) Chief Engineers, &c. ..	..	97,055	..	..	97,055	..	1,047	67,934	1,66,086
	(b) Superintending Engineers ..	..	1,23,503	..	..	1,23,503	..	1,935	62,317	1,87,755
	Accounts.									
	(c) Examiner, Deputy and Assistant Examiners. ..	..	38,650	..	..	38,650	..	60	78,447	1,17,157
	Total, Establishment, Salaries ..	66,57,008	7,15,440	4,79,527	32,028	12,26,995	..	1,63,358	4,56,343	18,76,698
	(d) Travelling allowances ..	..	..	..	..	..	..	..	..	2,53,452
	(e) Contingencies ..	..	..	..	..	..	..	..	..	62,107
	Grand Total, Establishment ..									22,92,256
	Add—Charges of other departments and of previous year disbursed during the year ..									21,711
	Total ..									21,89,544
	Deduct—Amount charged to other Provinces and Departments and charges not paid during the year ..									24,345
	Total, Charges for Provincial Establishment ..									22,04,789
	Add—Cost of special establishment for famine-relief works debitable to "38. Famine-relief" ..									22,378
	Grand Total, Establishment ..									22,27,167

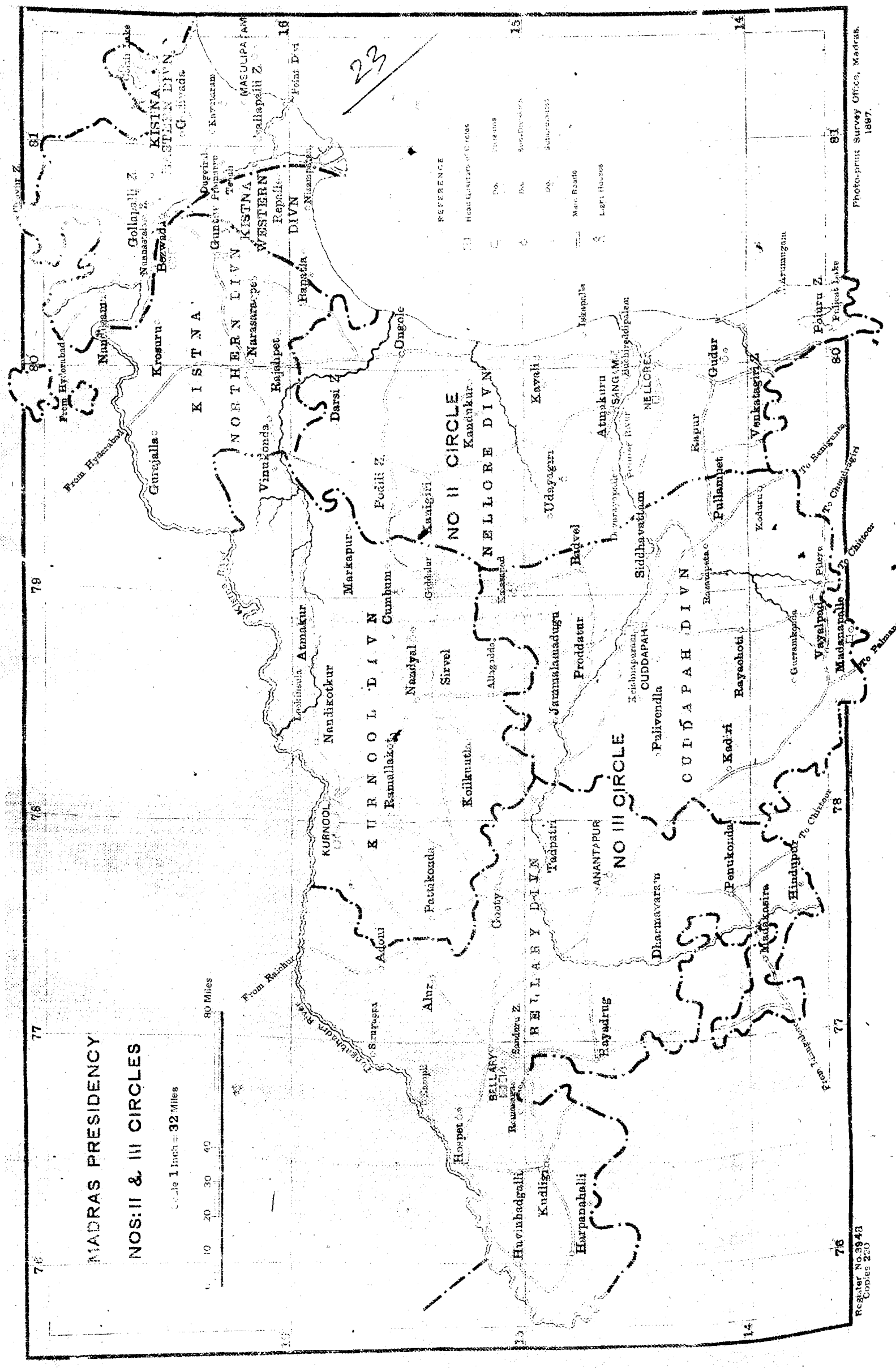
* Excludes outlay under "38. Famine-relief."

STATEMENT showing the length of road communication maintained by public authorities in Madras during the year 1896-97.

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
		MILES.	MILES.	MILES.	MILES.	MILES.	MILES.
Ganjam ..	Ganjam ..	12	13.50	695	35	707	48.50
Vizagapatam ..	Vizagapatam ..	51	..	352	583	403	583
Goddavari Eastern ..	Goddavari ..	5	..	764	177	769	177
Kistna (Northern, Eastern and Western). ..	Kistna ..	0.62	39.50	577	192	577.62	231.50
Nellore ..	Nellore ..	0.40	..	991	110	991.40	110
Bellary ..	Anantapur ..	..	..	250	492	250	492
Cuddapah ..	Bellary ..	..	..	141	720	141	720
Kurnool ..	Cuddapah ..	..	..	677	637	677	637
Coimbatore ..	Kurnool ..	..	..	525	200	625	200
Salem ..	Coimbatore ..	..	..	973	631	973	631
West Coast ..	Nilgiri ..	27	..	90	481	117	481
North Arcot ..	Salem ..	..	..	554	1,432	554	1,432
Chingleput ..	Malabar ..	12	9	527	830	539	889
South Arcot ..	South Canara ..	..	..	148	983	148	983
Tanjore ..	North Arcot ..	..	..	1,495	..	1,495	..
Nagapatam ..	Chingleput ..	..	..	628	79	628	79
Trichinopoly ..	South Arcot ..	7.58	58.67	881	232	888.68	280.67
Madura ..	Tanjore ..	..	154.75	..	1,325	179	1,479.75
Tinnevely ..	Trichinopoly ..	20.87	..	576	109	686.87	109
Consulting Architect ..	Madura ..	..	..	591	614	591	614
	Tinnevely ..	..	..	815	112	815	112
	Madras ..	4.30	..	..	..	4.30	..
	Total ..	140.77	275.42	12,339	10,024	12,469.77	10,299.42

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





MADRAS PRESIDENCY NO. VI CIRCLE

Scale 1 inch = 32 Miles

0 10 20 30 40 50 Miles

- REFERENCE
- Headquarters of Circles
 - Divisions
 - Sub-Divisions
 - Subordinate
 - Major Towns
 - Lesser Towns

