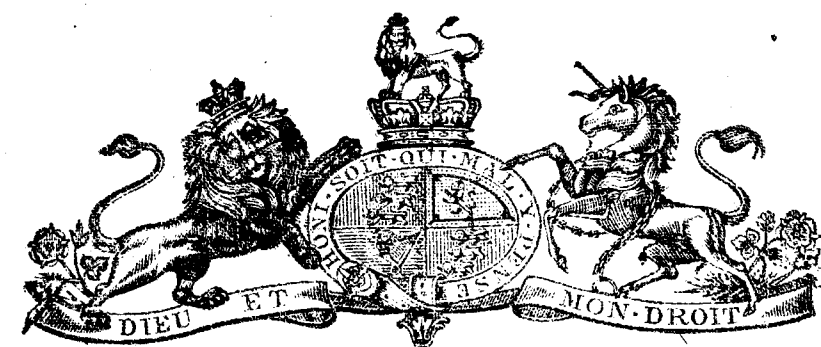


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Administration Report of The
Public Works Department
Madras Presidency

For The year
1895-96





ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT,

(GENERAL, BUILDINGS AND ROADS BRANCH),

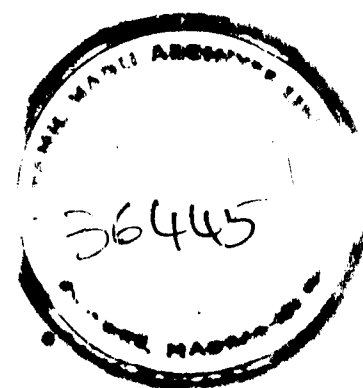
MADRAS PRESIDENCY,

FOR THE YEAR

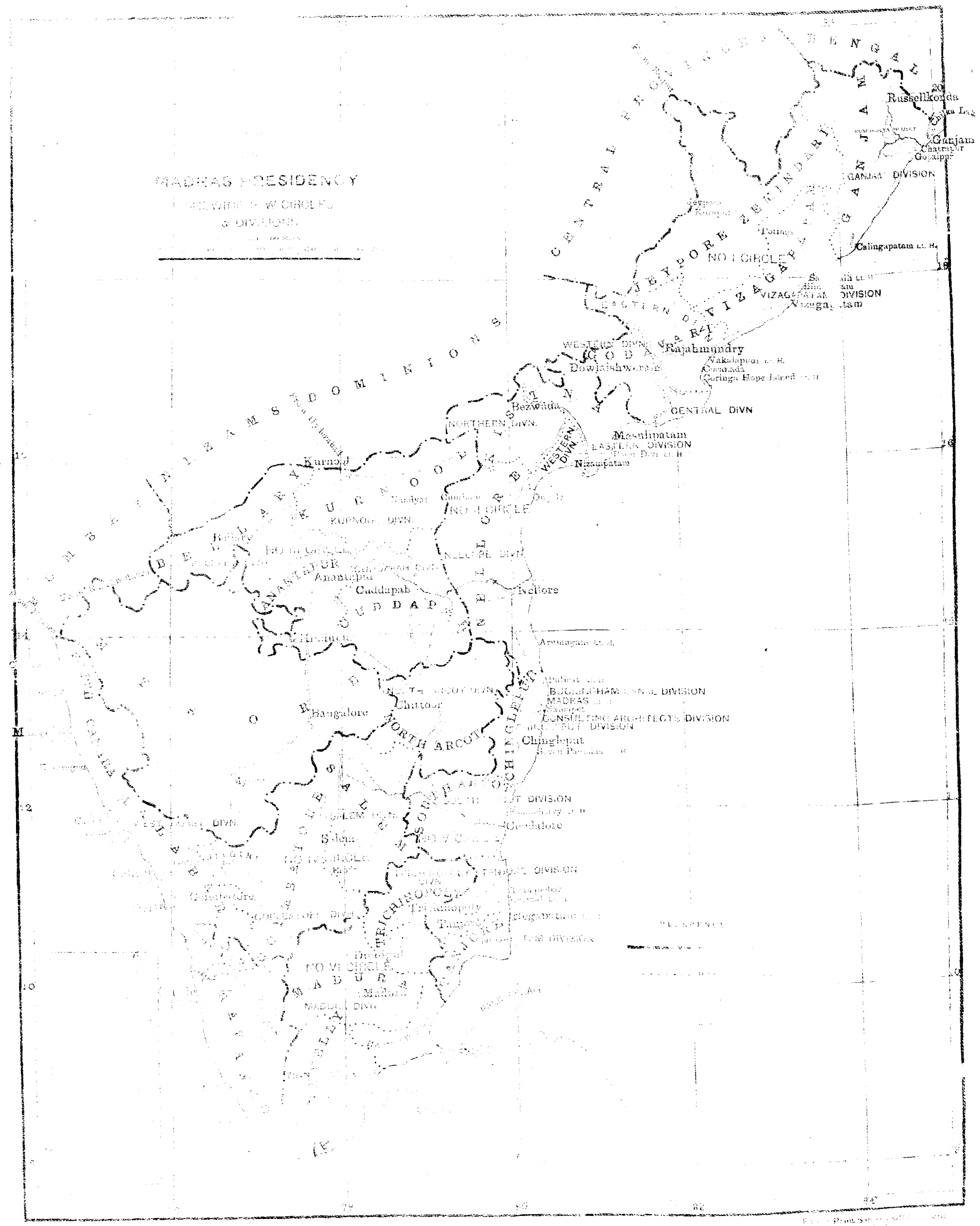
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ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT, MADRAS

(GENERAL, BUILDINGS AND ROADS BRANCH),

FOR THE YEAR 1895-96.

Administration.—The Honourable Colonel J. Pennycuik, R.E., continued to discharge the duties of Chief Engineer and Secretary to Government, Public Works Department, till the 10th January 1896, when he retired under the 55 years' rule. In accepting his resignation the Government placed on record its appreciation of his services in the following terms:—

His Excellency the Governor in Council avails himself of this opportunity to record his high appreciation of the marked ability and energy displayed by Colonel Pennycuik during a connection of nearly 34 years with the Department of Public Works of this Presidency, a lasting memorial of which he is leaving behind him in the Periyár Irrigation works, in the planning and successful carrying out of which Colonel Pennycuik has taken a very leading part. His Excellency in Council desires to express his regret that the retirement of Colonel Pennycuik deprives this Government of the services of a most valuable and devoted public servant.

Colonel D. McNeil Campbell, R.E., succeeded to Colonel Pennycuik's duties with the rank and title of Chief Engineer, 2nd Class, and Joint Secretary to Government, Public Works Department. Subsequently, Colonel Campbell was also gazetted "Secretary to Government, Marine Department"; the work of that department having been transferred to the Public Works Secretariat during the year under review.

Colonel Drake-Brockman, R.E., retained the position of Chief Engineer for Irrigation throughout the year. On Colonel Pennycuik's retirement, he was gazetted Chief Engineer, 1st Class, and Secretary to Government, but without change of duties.

Circle charges.—The circle charges were administered as follows:—

The I Circle, with head-quarters at Dowlaishweram till the 17th January 1896, and then at Waltair, continued to be administered by Mr. A. H. Garrett up to the 10th March 1896, when he proceeded on furlough and was succeeded by Mr. W. C. DeMorgan who held temporary charge for the remainder of the year. Major W. L. C. Baddeley retained charge of the II Circle throughout the year except for a period of absence on privilege leave, from the 5th September to the 4th December 1895, when Mr. A. S. Russell officiated. The III Circle was held first by Mr. C. H. T. Norfor till the middle of September 1895, then by Lieutenant-Colonel D. McNeil Campbell, R.E., till the 21st December 1895, and lastly by Mr. W. B. deWinton. The IV Circle continued in charge of Mr. J. Hannan throughout the year. The V and VI Circles were administered throughout the year by Lieutenant-Colonel C. C. Rawson, R.E., and Mr. W. Hughes, B.A., respectively. The office of Consulting Architect continued in the hands of Mr. H. Irwin, C.I.E., until his retirement on the 22nd January 1896, since which date it has been held by Lieutenant-Colonel C. C. Rawson, R.E., in addition to his own duties as Superintending Engineer, V Circle. Mr. S. D. Pears, as Superintendent of Works, remained in charge of the headworks of the Periyár project until the 30th March 1896 when he proceeded on furlough, after making over charge to Mr. A. Joyce, Executive Engineer, Madura division.

Divisional changes.—The partition sanctioned in the previous year of the Gódvári Western division into two separate divisions, viz., the Gódvári Western, and the Gódvári Central, was actually effected on the 1st September 1895.

For the sole charge of the Kistna River Conservancy works, a sub-division, called the River Conservancy sub-division, was formed in the Kistna Western division.

The head-quarters of the Kistna Western division and of its eastern and western sub-divisions were permanently fixed at Guatúr.

The head-quarters sub-division of the South Arcot division was constituted a regular sub-division and designated the Cuddalore sub-division.

Casualties.—Mr. C. H. D. Marjoribanks, Executive Engineer, 3rd Grade, died on the 1st January 1896.

The following officers retired on pension :—

Colonel J. Pennycuik, R.E., C.S.I., Chief Engineer, 1st Class.

Mr. H. Irwin, C.I.E., Superintending Engineer, 1st Class, and Consulting Architect to Government.

Mr. G. D. Wybrow, Superintending Engineer, 2nd Class.

Mr. J. M. Bell, Executive Engineer, 1st Grade.

The following statement shows the grants and expenditure under the several funds dealt with in the General Branch of the Public Works Department :—

Fund and financial heads.	Original grant.	Revised Estimate.	Actual Expenditure.
	RS.	RS.	RS.
Imperial Military Works	88,100	88,400	80,085
Imperial Civil Works	80,000	40,800	36,631
Provincial Civil Works	30,20,000	27,60,000	25,31,359
Local Incorporated funds	78,000	78,000	67,706
Local Excluded funds	75,350	1,12,038	94,721
Estate Works	19,434	26,317	23,299
Total	33,60,884	30,98,555	28,33,701*

It will be seen that the original grant under all heads amounted to Rs. 33,60,884 and the revised estimate to Rs. 30,98,555. The expenditure of the year was Rupees 28,33,701*. No less a sum than Rs. 27,60,000 of the last-mentioned amount was derived from Provincial funds, the outlay from other funds being comparatively small.

The distribution of the expenditure under what are technically called "service heads," viz., "Works," "Establishment," "Tools and Plant," &c., will be seen from the following statement :—

STATEMENT showing grant and outlay during 1895-96 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.
Military Works—						
Works	18,839	11,899	52,486	53,414	70,825	65,313
Establishment	..	..	..	..	16,471	18,877
Tools and plant	..	..	..	..	1,104	895
Total, Military Works	..	..	..	..	88,400	80,085
Civil Works—						
Works .. { Civil buildings	15,113	12,644	17,692	16,776	32,805	29,420
Miscellaneous public improvements	..	..	..	..	..	..
Establishment	..	..	..	..	7,469	6,677
Tools and plant	..	..	..	..	526	436
Suspense accounts	..	..	..	..	..	..
Expenditure in England	..	..	..	..	..	1
Exchange	..	..	..	..	..	1
Total, Civil Works	..	..	..	..	40,800	36,631
Total, Imperial	..	..	..	..	1,29,200	1,16,616

* Exclusive of Rs. 5,691 incurred from "Contributions."

Statement showing grant and outlay during 1895-96 under all heads of Buildings and Roads Branch, Madras Presidency—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.
Civil buildings	16,35,484	14,40,435	2,53,892	2,51,447	18,89,376	18,91,882
Communications	83,173	77,474	1,56,500	1,55,388	2,39,673	2,33,662
Miscellaneous public improvements	9,200	7,750	21,050	21,325	30,250	29,275
Establishment	..	..	..	..	5,79,250	5,59,160
Tools and plant	..	..	..	..	78,451	75,513
Suspense accounts	..	..	..	..	57,000	58,133
Total, Provincial	..	..	..	..	27,60,000	25,31,359
Local Funds.						
Incorporated local funds	..	..	..	..	71,000	67,706
Excluded local funds	..	..	..	..	1,12,038	94,721
Estate works	..	..	..	..	26,317	23,299
Contributions—						
Military works—Imperial	..	..	..	..	..	2,557
Civil works { Imperial	..	..	..	..	..	3,134
Provincial	..	..	..	..	..	..
Total, Contributions	..	..	..	..	..	5,691
Grand Total	..	..	..	..	30,98,555	28,39,392

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

STATEMENT showing Revenue receipts realized during 1895-96 under all heads of account in the Buildings and Roads Branch of the Madras Presidency.

Sub-heads.	XXXI. Military Works.	XXXII. Civil Works, Provincial.	XXXIII. Civil Works, Incorporated Local.	Total.
	RS.	RS.	RS.	RS.
Rents of buildings	2,064	65,649	..	67,713
Sales of buildings	..	25,768	..	25,768
of tools and plant	..	23,729	..	23,729
of produce	30	1,561	8,578	10,169
of old materials	211	3,424	..	3,635
Value of materials received from old buildings	..	1,089	..	1,089
Receipts from self-supporting workshops and net profits	..	2,359	..	2,359
Unclaimed deposits	..	528	..	528
Fines, refunds and miscellaneous	1	43,435	134	46,570
Realized in Public Works Department	2,308	1,70,542	8,712	1,81,560
" in Civil Department	..	..	..	..
Total	2,308	1,70,542	8,712	1,81,560

The following were the most important of the works in progress.

MILITARY WORKS—IMPERIAL.

At Cuddalore an armoury with magazine and store-room and quarters for the Sergeant-Instructor attached to the South Indian Railway Volunteer Rifle Corps, was built, the outlay having been Rs. 9,697, of which Rs. 4,450 are to be met from contributions.

At Trichinopoly the drainage of the South Infantry lines was begun, but owing to difficulties with the contractor very little progress was made, the outlay having been Rs. 1,277 only against a sanctioned estimate of Rs. 6,640.

IMPERIAL CIVIL WORKS.

A sum of Rs. 5,000 was originally allotted for the construction of a Post office at Jeypore, and the plans and estimates were drawn up, but these were subsequently revised, and then a long correspondence with the Civil authorities ensued as to the site for the work which was not in progress when the year closed.

The construction of six quarters for mail service sorters at Guntakal was commenced and nearly completed during the year, Rs. 2,000 being expended against an estimate of Rs. 2,400.

The Pyápalí Post office in the Kurnool division was improved with an outlay of Rs. 300.

Improvements were carried out to the Postal buildings at Tenkási and Tinnevely, and the Travancore Government undertook on behalf of the Public Works Department the work of building a compound wall for the Post office at Kóttayam and demarcating the Post office land at Nagereoil.

Materials were collected for the observatory building at Kodaikámal, but the actual work of construction could not be commenced as the designs required careful and prolonged consideration and discussion.

PROVINCIAL.

CIVIL BUILDINGS.

Forest.

I Circle.—Plans and estimates, amounting to Rs. 8,800, for constructing an office for the Conservator of Forests at Waltair, were sanctioned late in the year and not much could therefore be done beyond selecting the site for the work.

CUSTOMS.

V Circle.—An estimate for constructing a customs godown at Negapatam was sanctioned late in the year and beyond collecting materials and arranging for the provision of iron work in the Public Works Workshops, no progress with the work could be made.

Consulting Architect division.—An estimate for a public warehouse at Madras intended to provide extra accommodation for goods passing through the Sea Custom-house was sanctioned in 1893. Work commenced in 1894, but pending consideration of the question of the arrangements to be made by the Harbour authorities in regard to the landing and shipping of goods it was thought desirable to hold the work in abeyance.

Land Revenue Buildings.

I Circle.—An estimate amounting to Rs. 27,420 was sanctioned in 1894 for constructing a first-class taluk office at Palkonda, but the work was not commenced till 1895-96 when an expenditure of Rs. 3,369 was incurred on it. The excavation for the foundations was commenced in November 1895 and was completed in January 1896 when the laying of concrete was commenced. This was finished early in March and by the end of the month the rubble masonry foundation had been raised 1 foot and the basement 3 feet. The work was in active progress when the year closed.

A first-class taluk office at Narsapatam was sanctioned in September 1895 at an estimated cost of Rs. 42,600. The execution of the work was given out on contract, but there was not much progress, there being a payment of Rs. 1,170 for land included in the year's expenditure of Rs. 3,820.

A first-class taluk cutcherry at Ellore was sanctioned in 1893 at an estimated cost of Rs. 36,890 and considerable progress with the work had been made before the present year, when all that remained to complete the building was asphaltting, cement plastering and the flooring which is of cutstone 6 inches thick over a 3-inch concrete bed. The building was handed over to the Revenue Department in October 1895. The work was constructed by departmental agency according to the standard design.

A first-class taluk cutcherry at Kovur, estimated to cost Rs. 35,270, was sanctioned in November 1893, but work was not commenced till 1894-95 when an outlay of Rs. 7,134 was incurred. In the present year, all the masonry work with concrete flooring, plastering and pointing and woodwork for roofing were done. Also the cook-house and latrine except pointing and plastering. The work remaining to complete the building is Mangalore tiling, flooring with Portland cement over a bed of concrete, and asphaltting. This work also was carried out by departmental agency.

II Circle.—The taluk office at Guruzala was completed except the well. Rs. 2,044 were spent on the work during the year, the total expenditure to date having been Rs. 41,042.

The taluk office at Narasaraopet was also completed with the exception of the pine ceiling. The building was handed over in February 1896, the expenditure during the year having been Rs. 4,397 against the total outlay of Rs. 35,320.

On the taluk office at Guntár, a sum of Rs. 13,765 was spent. Considerable difficulty was experienced in obtaining stone for this work owing chiefly to the competition set up by the work in progress at the new Seetanagaram head sluice.

The taluk office at Vinukonda was in progress and a sum of Rs. 43,588 was spent on the building. More progress could have been made had it not been for the dilatoriness of the contractor. But this was in some measure due to his difficulty in obtaining mason sufficiently acquainted with building "coursed rubble burnt stone."

The concrete floor and roof of the record-room in the compound of the Collector's cutcherry at Masulipatam were demolished. The first story floor was strengthened by doubling the number of iron joists, and a floor of teak planking was laid. A new terrace roof was put on and the building handed over to the Revenue Department. The outlay during the year was Rs. 2,285 and the total expenditure on the work Rs. 17,422.

On the taluk office at Gannavaram, a sum of Rs. 34,260 has been spent altogether, of which Rs. 9,046 were laid out this year when the building was completed and handed over for occupation.

An estimate of Rs. 38,370 has been sanctioned for the taluk office at Gudiváda. All the building materials, including much of the woodwork, were got ready, but owing to a difficulty in regard to the site the work of construction could not be started. The site originally selected was on subsequent examination found to be on black cotton soil, and as soil of this character is liable to crack to a great depth during the hot season, it was necessary to choose a new site free from this objection. A suitable site was accordingly found about 2 furlongs north-west of that originally selected, but the delay thus caused retarded progress with the work.

Work on the Deputy Tahsildar's cutcherry at Avanigadda was stopped in 1894 and resumed in December 1895. Trenches had been prepared, but these were subsequently filled with sand. They had now to be cleared out and deepened one foot as the depth originally allowed was insufficient. Concrete was then laid to a depth of 3 feet and the basement finished by March 1896. The outlay during the year was Rs. 9,938 and that up to date Rs. 10,905 against an estimate of Rs. 19,200.

Taluk office at Bápatta.—In the original estimate, foundations 4½ feet deep were provided. This depth was increased to 6 feet by the Chief Engineer. As the soil and sub-soil are pure sand which will not stand with a vertical face 6 feet high, and as the size of the rooms would not allow of the sides of the trenches being sloped, the whole area of the building was cleared to a depth of 2 feet, and vertical trenches were then excavated 4 feet deep. When concrete laying was commenced, the sides of these trenches slipped badly. An attempt was made to support the sides with palmyra leaves and date mats without success, but the simple expedient of keeping the sides of the trenches sprinkled with water prevented slipping, and the concrete was got in successfully.

Deputy Collector's cutcherry at Almakúru.—The main building has been completed and the approach roadway is in progress.

New Treasury building at Nellore.—The walls of the treasury-room, guard-room and staircase-room were built to the level of the wall plate, and the doors and windows ordered from the Public Works Workshops. The Collector's office at Nellore

is being fitted with iron record-racks, the record-room of the Sub-Collector's office at Ongole is being extended, and woodwork is being prepared and the collection of other materials is in progress for the extension of the Kota Deputy Tahsildar's office.

III Circle.—In the Bellary division, taluk cutcherries were in progress at Tadpatra, Gooty, Dharmavaram, Hindupur and Madakasira. They will all be handsome buildings constructed of the stone locally available, which is admirably adapted for building purposes, both as regards appearance and durability. All these buildings have terraced roofs except the one at Tadpatra, which has a tiled roof over the main building. This cutcherry is built of slate-coloured limestone with granite quoins.

That at Gooty is built of granite obtained from the hill close by, which has a faint pink. The arches of the building are of black limestone. This work is also approaching completion.

At Dharmavaram the building is of fine granite. It was up to the lintels of the doors at the end of the year.

At Hindupur the material is also granite. The terrace roof was being laid at the close of the year.

At Madakasira handsome granite with a pink tinge is being used. The building was up to the lintels of the doors. All these works are under execution by contract, but progress is frequently slow owing to the scarcity of labour throughout the division, and especially in the Hindupur and Madakasira taluks, to which all skilled artizans have to be imported. There are no new cutcherries in the programme for 1896-97, but one is, it is believed, much wanted at Kalyandrug in the Anantapur district.

Other important works carried out during the year under this main head are—

Improvements to the Collector's office, Bellary, which were completed, and included the construction of a store-room, tiffin-room, ryots' shed, latrine, coach-house and urinal.

Improvements to the Taluk office at Hospet to accommodate a Stationary Sub-Magistrate.—This is being built of handsome granite and is nearly up to door lintels.

In the Cuddapah division taluk cutcherries were under construction at Rayachoti and Proddatur. Good progress was made with both. They are built of granite with terraced roofs. The former was being roofed at the close of the year, and the latter had its walls raised 15 feet. The estimates of both will probably have to be revised owing to the inadequacy of the sanctioned rates.

Kurnool division.—The taluk cutcherry at Allagadda was completed and handed over. That at Pattikonda would have been commenced, had the Revenue authorities been able to settle the question of site. Operations were thus confined to the collection of materials, principally woodwork. Progress on the Deputy Collector's office at Markapur was delayed in common with all works in the Markapur and Cumbum taluks, owing to the difficulty of procuring labour, both skilled and unskilled. The masonry work was completed and the woodwork for the roof wrought and put up.

The construction of the Stationary Sub-Magistrate's office at Nandyal was only just commenced at the close of the year, funds having been allotted late.

V Circle.—Work on the combined office for the Deputy Collector and Stationary Sub-Magistrate, Trivellore, could not be commenced, as the site for the building was not handed over until the close of the official year. There has been a debit in the supplemental accounts of Rs. 2,749 for wood and iron work supplied by the Public Works Workshops, the total outlay during the year being Rs. 2,776.

The taluk office at Chidambaram was completed and the accounts are about to be closed.

Taluk office, Tiruvannamalai.—Concrete work nearly complete, brickwork in progress. Liabilities to the extent of Rs. 3,897 on account of woodwork supplied from Public Works Workshops have been adjusted in the supplemental accounts, against the total outlay of Rs. 8,611 incurred during the year.

Stationary Sub-Magistrate's office, Tirukkúgillur.—Work completed.

Stationary Sub-Magistrate's office, Kallakurichi.—Completed except woodwork, a portion of which has been indented for from Public Works Workshops.

Improvements to the Sub-Collector's office, Tindivanam.—The roof was dismantled and the walls of the main building were raised to an average height of 2½ feet all round.

Improvements and additions to the Collector's office, Cuddalore.—The work was carried to the top of the basement, and an asphalted damp course was being laid. Liabilities to the extent of Rs. 16,592 for woodwork supplied by Public Works Workshops and steel girders indented for from England await adjustment in the supplemental accounts. There will be an excess over the year's grant mainly due to the rapid progress of the work.

Public offices at Tanjore.—The execution of this work was deferred as the site had not been acquired. Land plans and a schedule for the acquisition of the land were furnished to the Collector. Meanwhile the collection of materials, viz., bricks and girders, was proceeded with, the outlay on which amounts to Rs. 22,924.

Providing a record-room for the Taluk office, Kumbakonam.—Work was commenced and completed during the year, excepting one record-rack, which is expected to be finished shortly.

VI Circle—First-class Taluk cutcherry at Musiri, estimate Rs. 34,405.—The work was practically completed about the middle of the year, with the exception of lightning conductors, the materials for which had not been fully supplied. The building has been handed over to the Revenue Department.

First-class Taluk cutcherry at Jayankondasolapuram.—The work was practically completed about the end of 1895-96 and was handed over to the Revenue Department. The only items of the estimate remaining to be completed are a well and the erection of a lightning conductor. The former is approaching completion and the latter is awaiting materials from the Public Works Workshops.

Vernacular record-room for the Collector's office in Tirumal Naick's Palace, Madura.—This work was postponed under orders of Government, but the compound wall with iron railings was in progress.

Head Assistant Collector's office at Ramnad.—The walls were raised to the full height and the terrace was put on. Delay arose owing to the difficulty of getting firewood for burning bricks. When the wood subsequently became available, the season had so far advanced that brick-making was interrupted by the rains, but during the last few months progress has been fairly good.

CONSULTING ARCHITECT DIVISION.

Alterations and additions to the old High Court Buildings, Madras.—Except some of the store-rooms, the whole of these improvements were completed and the rooms were made over to departments concerned at the end of last year. In the current year the store-rooms were finished and the accounts of the work were closed.

Residences for Local Governments and Secretariat offices.

Verandah with terraced roofing and carriage porch to the Banqueting Hall, Madras.—At the end of the last official year materials were collected for this work and an indent was made on the Secretary of State for steel joists. On receipt of the latter, the work was started and completed in the current season. The verandah gives cover for a width of 16 feet all round the building.

Quarters for the men of His Excellency the Governor's Band at Chepák, Madras.—At the end of last official year, the collection of materials was commenced, but the plans had not been sanctioned. It was not till August last that the revised estimate was sanctioned and work commenced. At the end of March, one of the larger blocks was completed, another large block and one of the small blocks were covered in, and the foundations of the other small blocks were laid.

Additions and Improvements to Government House, Guindy.—Some of the stables were low and ill-ventilated and the timber work of the roof of the coachman's bungalow was rotten. The height of the stables has been increased and the rotten timber wholly removed.

EDUCATIONAL.

GOVERNMENT COLLEGES.

Consulting Architect division, Law College, Madras.—The foundations and basement of the building were completed and the greater portion of the interior of the first storey was erected before the close of the previous official year. In the current year all the stone dressings for the first and second storeys were completed and fixed and all the interiors finished. The interior of the first storey has Chuddapah stone floors, polished chunam walls and painted ceilings, and the interior of the upper storey is provided with pressed tile floors, polished and painted walls, and painted ceilings. Four of the five upper rooms have been finished, the ornamental work to the fifth room is in progress and will be completed shortly. The high stair case-room is covered, but its ornamentation has not yet been commenced. The two large front towers have been raised to a height of 70 feet and the angle towers up to the base of the domes.

Additional accommodation for the Biology and Physical Science Departments of the Presidency College, Madras.—The first storey was in progress at the end of last year. In the current year both the first and second storeys were completed and made over for occupation.

Cannemara Library and connected buildings.—The library and institute portions of the building were completed and the tower was raised to a height of seven storeys. Two more storeys remain to be added to the tower. This work, with the raising of the compound wall and the laying out of the grounds, is all that remains to complete the buildings.

GOVERNMENT SCHOOLS.

I Circle—Demolishing and re-constructing the Government school-house at Koraput.—Work which is estimated to cost Rs. 3,010 was sanctioned in September 1894. Materials were being collected from May 1895 to September 1895 as no work could be done owing to rains. It was only in October 1895 that the foundations were excavated. The walls were raised to full height and all materials required to complete the work were at site.

III Circle.—A school-house was under construction at Anantapur. The work was up to roof-level and will cost Rs. 20,000. It is in contemplation to build a new school adjoining it.

LAW AND JUSTICE.

Alterations and improvements to the new Law Courts, Madras.—New verandahs were added to the tiffin-rooms and glazed doors and iron gratings to the offices and record-rooms of the Appellate Court.

III Circle.—The District Munsif's Court-house at Nandyal was completed and handed over.

JAILS.

Constructing a new hospital and throwing back south-east main wall, Párvatipuram Hill Jail.—The estimate for this work amounts to Rs. 22,156, and the expenditure up to the end of the previous official year was Rs. 13,490. During the year under review an outlay of Rs. 5,925 was incurred. In November 1895, the work was stopped, the jail having been temporarily abandoned as a place of confinement for convicts owing to its unhealthiness.

A revised estimate amounting to Rs. 13,378 for improving and extending the sub-jail at Koraput was prepared in February 1894, but work had previously been started by Civil agency on an estimate prepared by that department. At the end of 1894-95, an outlay of Rs. 12,647 had been incurred, and Rs. 2,122 were spent in 1895-96, at the end of which the work was finished.

Lock-ups.

Extensions to Sub-jail attached to Taluk office at Masulipatam.—Foundations were excavated in January 1896. These, with the basement, were completed by February and the superstructure and part of roofing by March 1896. The outlay during the year was Rs. 4,055 against the estimate of Rs. 4,670.

POLICE.

I Circle—Constructing 22 huts for the Reserve Police at Koraput.—An estimate of Rs. 7,560 for this work was sanctioned in February 1895, but the work was delayed by rains, and it was not till October 1895 that the foundations were excavated. The work is being carried out by piece-work contract under departmental supervision. The outlay during the year was Rs. 5,533.

Twenty-two huts for the Taluk Police at Jeypore are also being carried out by piece-work contract and departmental agency; the expenditure having been Rs. 3,967 against the sanctioned estimate of Rs. 7,100.

A first-class Police station-house was built at Waltair at a cost of Rs. 2,559, and a second-class Police station at Allur in the II Circle.

In the Bellary division a Police office was under construction at Anantapur at a cost of Rs. 27,800 and a Police station-house in Brucepetta, Bellary. The former is a fine work and well built of grey granite and trap stone. It is not quite finished. Progress on the latter was delayed owing to its cramped position in the heart of the town, where there is no room to stack materials. It is approaching completion and is built of granite. The Police Hospital at Kurnool is also very nearly completed.

Consulting Architect division.—Additions to the office of the Inspector-General of Police, Madras. Two additional rooms were provided on the east face of the office of the Inspector-General of Police, the office and storage accommodation being also extended.

A new Police station in the same town was also built in the Royapettah division. This building was constructed on the standard design and was placed where the old building previously stood.

MEDICAL.

A hospital at Polaveram in the Gódvári Western division was under construction, additions and alterations were made to the General Hospital, Madras, to admit of the reception of women and children, and additional accommodation was provided in the Maternity hospital at the same place by the addition of a third storey to the centre block of the buildings.

The Chemical laboratory of the Madras Medical College was extended to meet the increasing need of the classes of the college.

Blocks Nos. 83 and 93 of the Lunatic Asylum, Madras, were converted from 8 into 16 cells each, and better ventilation was provided. The flooring was also improved, Portland cement being substituted for asphalt which had become uneven owing to shrinkage.

MISCELLANEOUS.

Registration.

The requirements of the Registration Department in the matter of additional office accommodation were provided for as far as practicable. The work of this department is expanding, and offices for registration purposes are becoming necessary in many new, and frequently remote places. During the year under review, a great many registration buildings were accordingly undertaken. The position of these, and the expenditure thereon, are given in appendix A of this report.

Public Works Buildings.

I Circle.—A residence was under construction for the Conservator of Forests at Waltair at an estimated cost of Rs. 15,785. The Executive Engineer of the Kistna Northern division was provided with a bungalow at a cost which will probably amount to Rs. 10,235. The Head Assistant Collector at Bezvada was housed at a cost of nearly Rs. 11,000. An old Club building has been converted into an office for the Executive Engineer of the Kistna Northern division. The residence for the Head

Assistant Collector at Gúdur was completed during the year, that for the Head Assistant Collector at Hospet was commenced, and improvements were in progress to the District Surgeon's quarters at Anantapur. The Head Assistant Collector's residence at Nandyál was completed and handed over, and materials were collected and work started on a house for the Head Assistant Collector at Ramnad. The Police Superintendent's quarters at Palanecottah were improved, and considerable progress was made with the construction of a residence for the Vice Principal of the Teachers' College at Saidapet. Finally, the Hospital Assistants attached to the Maternity and Ophthalmic hospitals at Madras are being suitably housed.

PROVINCIAL.

COMMUNICATIONS.

IV Circle.—Under this head the following lines of communication were maintained or improved during the year:—

Name of road.	Length of road.	Expenditure under maintenance.	Expenditure under improvements.	Monsoon damage.
	MILES.	RS.	RS.	RS.
Ootacamund to Kullar	27	71,620	6,193	..
Calicut to Vayitri and Gúdalúr	86	37,900	849	5,436
Chundale-Mysore Frontier	..	..	18,096	..
Road from Sultan's Battery	12	6,529	38,518	..

From the end of this official year, the Calicut-Gúdalúr road is to be handed over to the district board for maintenance.

The expenditure on the Mysore Frontier road has been incurred with the object of making the very bad portions just passable. North Wynaad is, to a great extent, dependent on Mysore for its grain supplies, *via* this road, and recognising this fact, the Mysore Government are bringing their section of the road into good repair.

On the Wynaad side an additional estimate, amounting to Rs. 6,600, has been sanctioned for execution during the coming year. An estimate, amounting to Rupees 7,410, has been submitted for sanction for the renewal of one of the principal bridges, but to thoroughly bring the whole 13 miles of the road, from the Mysore Frontier to Sultan's Battery into good order, a still further expenditure of about Rs. 30,000 will be required.

VI Circle—Madura division.—Cutting trace of ghaut road from Athur to join road No. 49, Lower Palnis.—The work was completed during the year.

PROVINCIAL.

MISCELLANEOUS PUBLIC IMPROVEMENTS.

IV Circle.—Under this head the only work of note is the filling in of the upper lake at Ootacamund. This measure will greatly improve the sanitation of the place. The work was started late in the year and the expenditure has therefore been small.

EXCLUDED LOCAL FUND WORKS—PORT FUNDS.

CIVIL BUILDINGS.

A residence for the Port officer at Masulipatam was purchased for Rupees 4,500 last year, and improvements to the building costing Rs. 2,394 were carried out this year. An estimate for a residence for the Port officer at Pámban was also

prepared, but not sanctioned in time to admit of work being commenced. Quarters for the lighthouse establishment at Calingapatam were sanctioned, materials collected and the work was started.

MISCELLANEOUS PUBLIC IMPROVEMENTS.

VI Circle.—Constructing a new pier at Tuticorin and reclamation of the foreshore.—The estimate for this work amounts to Rs. 1,86,000, of which Rs. 1,48,508 have been spent, the outlay during the year being Rs. 50,878. The iron work was executed by Messrs. Burn & Co., Calcutta. The pier is complete except the fitting of the fenders at the T head. The cranes, trucks, &c., will be provided by the Port authorities. Reclamation work was started in May 1895 and completed in February 1896, but the accounts have not as yet been settled. The turn-table and rails for trucks have still to be laid.

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. | (3) Dhárakóta. |
| (2) Bodogodo. | (4) Peddakimedi. |

Góddavari Western Division.

- (5) Tangellamudi.

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.
1	2	3	4	5	6	7	8	9
<i>Ganjām Division.</i>								
Aska	5,000	4,882	..	..	..	..	..	..
Bodogodo	..	..	500	477	..	..	100	99
Dhárakóta	..	..	450	450	..	..	100	100
Peddakimedi	..	..	2,000	2,000	..	..	..	..
<i>Góddavari Western Division.</i>								
Tangellamudi	..	..	..	..	..	..	..	..
Total	5,000	4,882	2,950	2,927	..	..	200	199

N.B.—The figures do not include establishment charges.

Aska estate.—Rs. 4,882 under "Buildings—Original Works" were expended on "constructing quarters for the Proprietrix at Aska." The work was completed during the year.

Bodogodo estate.—Rs. 477 under "Buildings—Repairs" were expended on two works, of which one was completed and the other was in progress. The outlay of Rs. 99 under "Communications—Repairs" was spent on maintaining the road from the palace to the Police station-house at Bodogodo.

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ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT,

Dhārīkōla estate.—The expenditure of Rs. 150 under "Buildings—Repairs" was on four works executed during the year, of which one was completed and the remaining three were in progress. The outlay of Rs. 100 under "Communications—Repairs" was on the maintenance of Dhārīkōla-Phundamari road.

Poddakimedi estate.—A sum of Rs. 2,000 was spent in repairing the houses occupied by the late Rajah's sister and the Gayatri Patti Mahadevi.

Tangellamudi estate.—No work under "Buildings" or "Communications" was executed in this estate during the year.

LIGHTHOUSES.

The inspection of the following lighthouses was undertaken during the year by the ordinary staff of the Public Works Department and their condition reported on:—

Negapatam lighthouse.		Tellicherry lighthouse.	
Cochin do.		Mangalore do.	
Calicut do.		Hope Island do.	
Cannanore do.			

The requirements of lighthouses generally were, however, dealt with in a more detailed manner by the special officer, Mr. Ashpitel, who was deputed on this duty. He made a complete tour of inspection of lighthouse stations of the Presidency, inquired into their needs, and submitted a comprehensive scheme embracing not only improvements in existing structures and illuminating apparatus, but also the provision of new lights where necessary, a reorganisation of establishment, and better methods of work. To carry the whole scheme into effect would cost a sum estimated at nearly nine lakhs of rupees. The question of raising the requisite funds is under the consideration of Government. Meanwhile it has been arranged that detailed plans and estimates shall be drawn up, and other preliminary arrangements made for starting work when funds become available.

Public Works Stores.—The closing balance of the year was Rs. 1,58,384-12-2 against Rs. 2,15,965-12-8 at the end of the previous year.

The receipts were as follow:—

	RS.	A.	P.
From London	13,818	1	4
" Public Works Divisions	3,402	7	10
" Public Works Workshops	5,527	3	10
" Local purchases	2,109	12	3
" Guaranteed Railways	300	0	0
Total	25,157	9	3

and the issues were—

	RS.	A.	P.
To Public Works Department	49,937	11	10
" Public Works Workshops	29,180	4	3
" State Railways	2,324	14	10
" Guaranteed Railways	379	13	3
" Articles valuing Rs. 10 and below transferred to other divisions and departments	31	7	10
" Other departments	317	5	9
" Private sales	567	0	0
Total	82,738	9	9

The closing balance of stock, viz., Rs. 1,58,384-12-2, though well within the reserve limit of Rs. 2,25,000 includes surplus and obsolete stores, a list of which is under preparation in view to the orders of Government being taken as to the disposal of the articles.

Surplus stores to the value of Rs. 6,095-10-3 were sold.

Special stores to the value of Rs. 6,967-3-0 were obtained from England on account of other divisions and departments and despatched to their destinations.

Instruments, tools and machinery were issued numerically to Public Works, Provincial services, but at a valuation to irrigation works and other departments to the extent of Rs. 19,739-13-3.

During the year under review, 36 consignments were received from England and there were 35 shipments to other Public Works divisions as against 39 and 35, respectively, in the previous year.

Arrangements are being made to take stock of all articles in store.

Public Works Workshops.—The value of work executed in the shops during the year was Rs. 1,31,909-3-2 as against Rs. 91,614-11-10 in the previous year, showing an increase of Rs. 40,294-7-4. There was an increase of Rs. 43,084-0-11 in the value of the work executed for the department, but a decrease of Rs. 2,789-9-7 in that for other departments and private parties. The increase in the work done for the Public Works Department is due principally to large amounts of timber and iron work turned out for works in the V Circle.

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

	1894-95.	1895-96.	Difference.	
			More.	Less.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Work done for Public Works Department	67,042 9 10	1,10,128 10 9	43,084 0 11	..
Military Works and State Railways	507 12 0	227 6 10	..	280 5 2
Other Government Departments	22,638 9 0	21,011 7 2	..	1,597 1 10
Quasi-Public Bodies	1,320 8 0	369 7 11	..	951 0 1
Private parties	105 5 0	144 2 6	38 13 6	..
Total	91,614 11 10	1,31,909 3 2	40,294 14 5	2,828 7 1
Increase over last year 1894-95			40,294	7 4

Bezawada workshops.—The outturn of the shops amounted to Rs. 1,65,202 against Rs. 1,53,952 in the previous year. The work done is nearly equally distributed between Irrigation and Provincial works.

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 Bezawada workshops during 1895-96.

	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.	Outturn.	Centage.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1895-96	77,896 4 0	15,579 3 2	5,972 4 1	1,425 1 7	81,333 10 1	1,65,202 2 2	17,074 4 9

14 ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT,
No. II.—Statement of profit and loss account of Bezwaia workshops

Items.	Amount.	Items.	Amount.
To cost of establishment ..	Rs.		Rs.
Supervision ..	2,100	By reduction made on works done at 25 per cent. for interest ..	17,074
Materials ..	2,478		
Other establishment ..	2,144		
Balance available to cover interest on capital and depreciation allocation on workshop, machinery and building ..	7,922	25 per cent. on value of work done for Province and works for which no rate is charged, viz., Rs. 81,714 ..	20,388
Total ..	17,497	Total ..	37,462

No. III.—Statement of profit and loss on Saw Pit account of Bezwaia workshops at the end of 1895-96

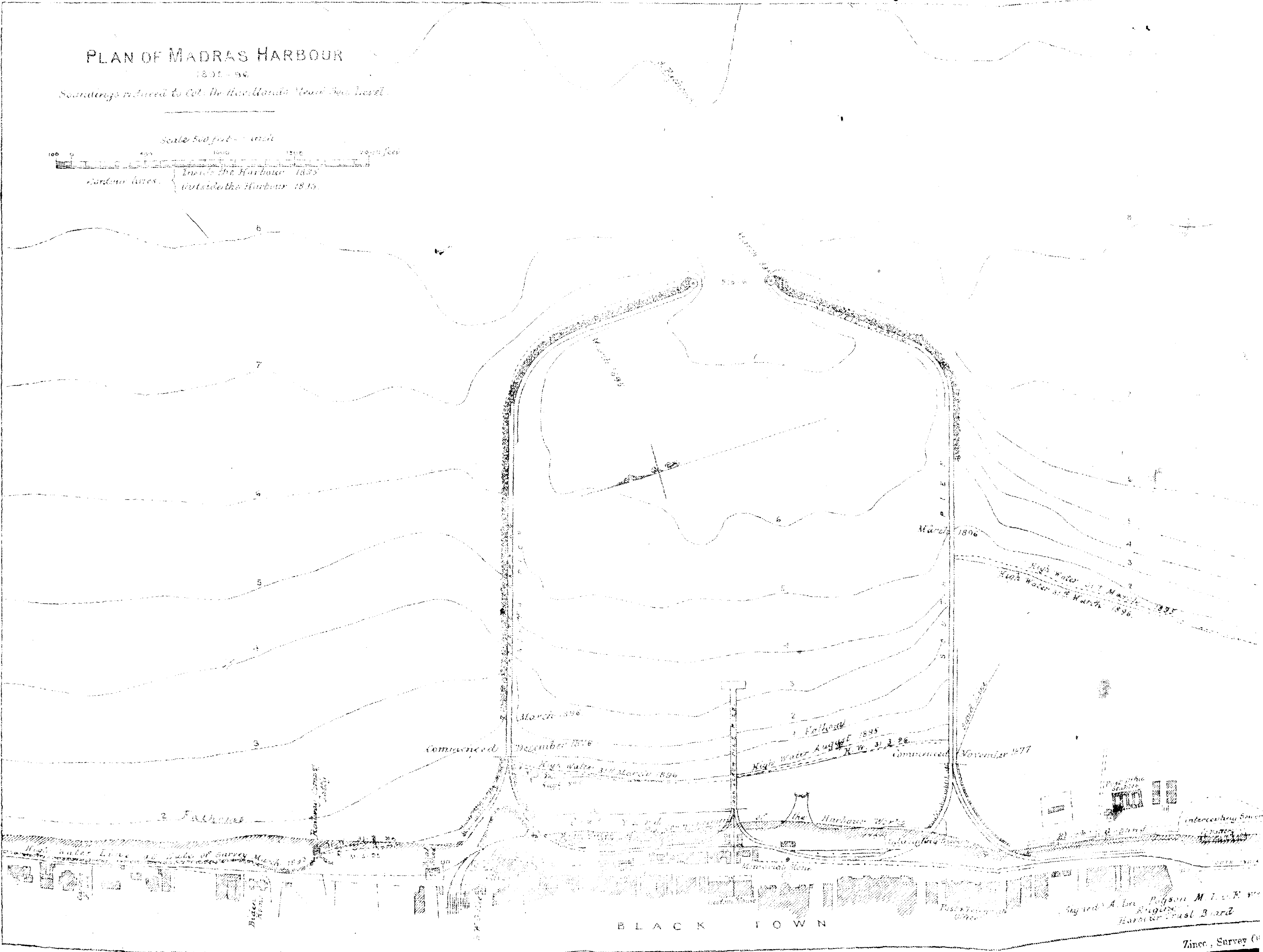
Items.	Amount.	Items.	Amount.
To balance at debit at stock taking in August 1895 ..	Rs. 18,411	By wood obtained from balance at stock taking on 26th August 1895 ..	Rs. 6,829
„ value of wood sawn, Europe squares ..	1,600	„ Europe squares ..	1,945
„ Indian selected squares ..	17,755	Sawn scantlings 1 inch in selected squares ..	20,007
„ Godavari squares ..	5,313	„ 1 inch in selected squares ..	6,174
„ round logs ..	6,224	„ round logs ..	7,279
„ General charges ..	51,108	By sale proceeds of offcuttings ..	36,398
„ Labour ..	18	„ Miscellaneous realisations—saw-dust, &c. ..	611
„ Sundry stores ..	353	„ Debit to works to adjust loss found on 26th August 1895 ..	6,485
„ Sawn by machine ..	3	„ Sawn scantlings purchased ..	2,012
„ „ by hand ..	1,763		51,335
„ Petty supervision ..	228	Balance at debit of Indian selected Burma teak at end of 31st March 1896 ..	2,137
„ Purchase of saw scantlings ..	151		
„ Purchase of saw scantlings ..	1,159		
„ Scantlings received from works ..	278		
Total ..	58,472	Total ..	58,472

Dowlashoeram 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 :—

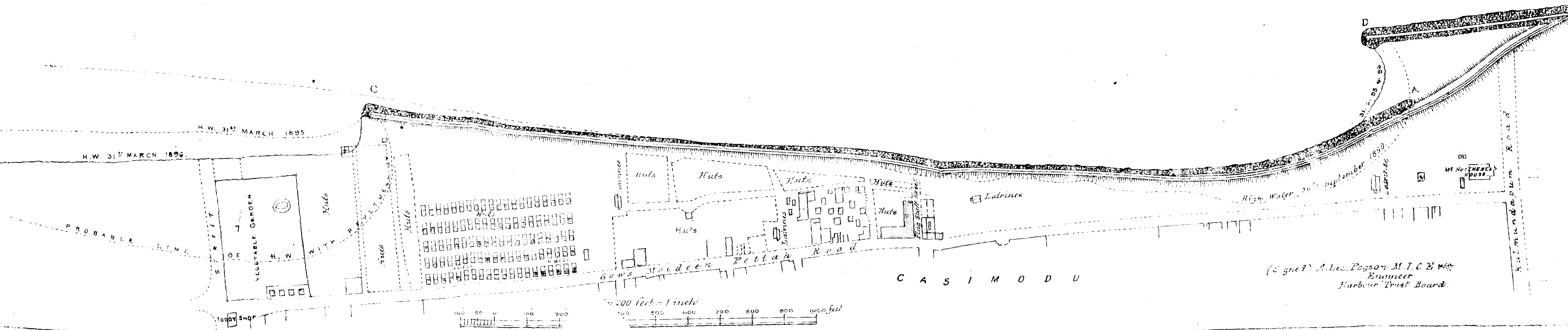
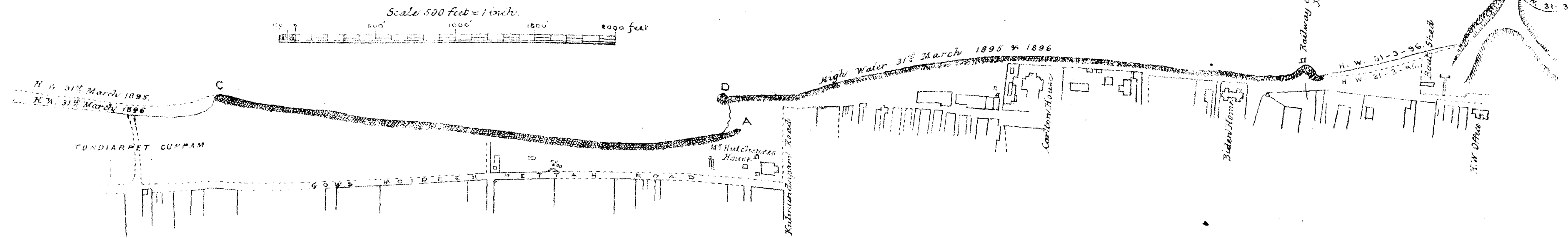
	1895-96.	1894-95.	More than 1894-95.	Less than 1894-95.
1. Work done for the Public Works Department, excluding cartage ..	Rs. 82,293	Rs. 61,714	20,579	..
2. Do. for other departments, excluding cartage ..	6,506	2,961	3,545	..
3. Do. for private parties excluding cartage ..	1,090	2,015	..	925
Total ..	89,889	66,690	23,199	925

The value of work done during the year was Rs. 23,683 more than that of the previous year. The increase was due to the services of the shops being utilised for some large works in progress, such as the taluk office at Kovur, ferry bailacuts of the Godavari Western division, Narsapur ferry steamer, and Sitanagaram head-slucice. The cost of general charges (establishment, repairs to buildings, new tools and repairs of tools and plant) amounted to Rs. 8,909 as against Rs. 12,805 realised as cartage on work, resulting in a profit of Rs. 3,896.

Government Brick and Tile Factory.—There are two kilns at work in the Government Brick and Tile Factory, viz., a Patent kiln and a Punjab kiln. The outlay on manufacture amounted to Rs. 78,683, while the value of output for the same period amounted to Rs. 73,460, showing a loss of Rs. 5,223 in the manufacture account.



MADRAS HARBOUR WORKS.
PLAN SHOWING EXTENSION OF REYETMENT AT CASIMODU



The following figures show loss on each kiln :—

—			Manufacture.	Outturn.	Loss.
					RS.
Patent kiln	...	...	61,804	59,746	2,058
Punjab „	...	...	16,879	13,714	3,165

Government lime kilns.—The outlay on manufacture under this head was Rupees 17,788 while the outturn for the same period amounted to Rs. 21,961, showing a profit of Rs. 4,173.

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.

MADRAS HARBOUR WORKS.

The work carried out during the year has been the completion of the south pier head caisson and its connection with the bonded blockwork behind it, by a large block of mass concrete made under water; the construction of a lighthouse, also of mass concrete, upon the caisson corresponding with that already built at the north pier head; and the addition of the concrete capping along both piers, consisting of large blocks built *in situ*, averaging about 250 tons each in weight, and covering four courses of the bonded blockwork.

A plan of the harbour accompanies this report, showing work as now completed.

At the close of the year there remained six weeks' work to complete the harbour in accordance with the sanctioned design. Permanent head and stern screw moorings to each berth inside the harbour, as well as two moorings outside to the north of the harbour, also had to be put down. This work was finally accomplished by the 9th May 1896.

North pier.—The work here consisted in extending the capping towards the shore by $2,692\frac{1}{4}$ lineal feet. This completed the pier, the length of which is $3,522\frac{1}{4}$ lineal feet measured from the pier head. The capping was formed of 111 blocks of concrete built *in situ*, averaging 24 feet in length $\times$ 24 feet wide $\times$ $5\frac{1}{2}$ feet deep, and amounted to $12,929\frac{3}{4}$ cubic yards of concrete. Hard wood-sleepers have been built into the capping throughout its length. This will carry a line of rails, a recess being left in the capping for a bulk-oil discharge pipe.

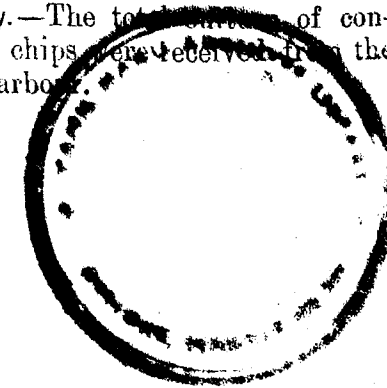
South pier head.—The south pier caisson was filled with concrete *en masse* and built up to 7 feet above water-level by the 31st March 1895.

By the close of June 1896 it had been raised to its full height of 12 feet above high water, and by the 20th July a lighthouse of mass concrete, similar to the one already completed at the north pier, was finished.

The south pier was also completed in accordance with the sanctioned design, the length being $2,452\frac{3}{4}$ feet measured from the pier head.

South pier rubble base protection.—On the 26th May the titan crane commenced dredging the rubble base around the caisson preparatory to consolidating or protecting the base with an apron of concrete at 39 feet below water-level, as was done along the inner face of the superstructure, to prevent scour. By the 30th June the dredging was completed, and $220\frac{3}{4}$ cubic yards of concrete had been deposited under water, around the caisson, and along the pier head for a distance of 231 feet.

Pallavaram quarries and Concrete-making machinery.—The total quantity of concrete was $23,725\frac{1}{2}$ cubic yards, and $29,053\frac{3}{4}$ tons of chips were received from the quarries for the capping work along both piers of the harbour.



Supply of Portland cement.—Fifteen thousand five hundred and fifty-nine casks containing Tons 2,778-7-3-12 of Portland cement were received from England, and a further indent for a supply of 325 tons of cement was forwarded to the India Office for the south pier repairs. Twenty-five thousand four hundred and sixty-three and a half casks containing Tons 4,516-1-0-6 of cement were issued during the year, leaving a balance on hand of 812 casks, or Tons 141-19-3-16.

Protective works north of the harbour.—The line of revetment protecting the foreshore to the north of the harbour has shown no further settlement during the year. Between March and September 1895, the bay formed at the end of the revetment increased by 350 feet at a point 400 feet north of the end of the revetment, and between September 1895 and March 1896 accretion took place which advanced the high water line east by 250 feet, leaving a net loss of foreshore of 100 feet in the year. At a point $\frac{3}{4}$ of a mile north of the end of the revetment, the loss of foreshore was 70 feet in the year.

Sea bottom within the harbour.—The high water line inside the harbour on the 31st March 1896 was in the same position approximately as it was at the close of last official year, but some change in its position, along the southern half of the harbour, took place during the year. Between March and September 1895, the water line advanced about 60 feet between the iron pier and the south wall of the harbour. It then returned shorewards by 100 feet between September and December; and from December 1895 it again advanced by 40 feet, and remained in this position at the close of the twelve months ending 31st March 1896. An accurate survey of the sea bottom within the harbour was completed in October, and no important change in the depth could be detected within the 7 fathom line. Soundings across the entrance showed a shallowing of 3 feet; protective works to prevent further shallowing are under consideration.

Foreshore south of the harbour.—The high water line returned by 40 feet near the south pier, but it remained in about the same position, at 500 feet south of the south pier, and was in-shore by about 50 feet, at half a mile south of the southern arm of the harbour. Further south, a steady advance of the foreshore has taken place, all along the coast; and the

HIGH WATER MARK OF 31ST MARCH 1896.

At $\frac{3}{4}$ mile south of harbour, was 50' in advance, or east of H.W.L. of March 1895.

" 1 "	" "	" 65' "	" "	" "
" 1 $\frac{1}{2}$ miles "	" "	" 25' "	" "	" "
" 1 $\frac{3}{4}$ "	" "	" 10' in shore, or west "	" "	" "
" 1 $\frac{1}{2}$ "	" "	" 70' in advance, or east "	" "	" "
" 2 "	" "	" 50' "	" "	" "
" 2 $\frac{1}{2}$ "	" "	" 60' "	" "	" "
" 2 $\frac{3}{4}$ "	" "	" 35' "	" "	" "

Expenditure.—The total outlay on the works during the past year, including the expenditure on the protective works north of the harbour, was Rs. 4,17,361-9-5, made up as follows:—

	RS.	A.	P.
Outlay on works ...	3,36,831	12	9
" on establishment ...	68,321	5	7
" on tools and plant ...	28,284	14	4
Net debit to suspense heads ...	16,076	7	3
Net outlay in the year ...	4,17,361	9	5

Screw moorings.—Forty-one of the special screws sent out in 1880 for the moorings were put down by an easier and cheaper method than that for which they were designed. Under this system the moorings can be sunk to any depth with a sea on, and sand, shells and hard clay can be penetrated without difficulty. Two moorings were also put down in the open roadstead where screwing by the old process was impossible on account of swell and sea, and nine berths were supplied with bow and stern moorings and one berth with two additional stern moorings for bulk-oil inside the harbour, in place of the old anchor moorings which have all been removed.

Miscellaneous.—The repair and upkeep of machinery, cranes, railway lines, &c., and the haulage of coal and oil traffic were done as usual by the Harbour Works staff for the Traffic Department.

The following is a summary of progress:—

Number of items.	Particulars and quantity of work during official year 1895-96.	Sub-heads of works.	North pier.		South pier.			Total concrete made for works.	Pallavaram quarries outturn.	Moorings.	Total expenditure.
			Concrete cap-ping.	Base protec-tion.	Pier head backing.	Concrete cap-ping.	Base protec-tion.				
1	Total quantity of blasted chips received on works.	Tons.	..	..	..	..	..	..	29,053½	..	..
2	Concrete blocks set and removed by divers.	No.	..	..	{ 42 Permanent. 63 Temporary. }	..	..	..	..	..	..
3	Total outturn of concrete made on works.	C. yds.	11,690½	43		790½	12,035½	220½	24,779½	..	..
4	Advance or progress of completed piers.	Rg. ft.	2,692½	..	..	2,452½	..	..	..	..	..
5	Capping blocks made <i>in situ</i> .	No.	111	..	..	100	..	..	..	..	..
6	Rubble base protected with concrete apron.	Rg. ft.	..	50	..	..	231	..	..	..	..
7	Moorings screws and chains put down.	No.	..	..	..	..	..	..	..	41	..
8	Bow moorings completed.	"	..	..	..	..	..	..	..	9	..
9	Stern ..	"	..	..	..	..	..	..	..	13	..
	Expenditure under sub-heads of work approximately.		59,595	532	..	39,288	3,141	2,14,681	36,990	Not con-struction	3,54,177

The following statement gives a comparison of expenditure with the sanctioned estimate:—

ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT,

As per estimate sanctioned in Secretary of State's despatch, No. 41, dated 26th September 1885 (vide G.O. No. 2817 W., dated 6th Nov. 1885).												
Sun-head of work.	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure.			Arrears not paid.	Value of work done up to date, columns 11 and 12.
								Total up to end of last year.	During the year.	Up to date.		
1	2	3	4	5	6	7	8	9	10	11	12	13
Expenditure up to 31st Dec. 1884.												
1. Works ..	..	..	..	55,09,324	..	..	..	55,09,324 8 10	..	55,09,324 8 10	..	55,09,324 8 10
2. Establishment ..	..	..	..	5,29,904	..	..	..	5,29,904 0 0	..	5,29,904 0 0	..	5,29,904 0 0
3. Tools and plant ..	..	..	..	5,15,262	..	..	..	5,15,262 6 6	..	5,15,262 6 6	..	5,15,262 6 6
Total ..	..	..	..	..	65,54,490	..	..	65,54,490 14 10	..	65,54,490 14 10	..	65,54,490 14 10
Revised Estimate.												
4. Alteration and extension of back ground ..	..	..	..	5,892	5,892	..	..	5,892 0 11	..	5,892 0 11	..	5,892 0 11
North Pier.												
5. Ordinary rubble deposited from breakwater ..	18,930	1 12 0	Ton	24,373	..	18,930	1 12 0	24,377 9 0	..	24,377 9 0	..	24,377 9 0
6. Ordinary rubble deposited from boats ..	201,896	2 0 5	"	4,19,218	..	205,477	2 0 8	4,15,132 8 10	3,578 8 1	4,18,711 0 11	718 11 11	4,19,429 12 10
7. Concrete blocks for building ..	51,320	11 8 0	C. yd.	5,90,110	..	51,320	11 8 0	5,90,110 0 0	..	5,90,110 0 0	..	5,90,110 0 0
8. Setting blocks at commencement of new work ..	2,315	2 1 1	"	5,415	..	2,615	2 1 1	5,414 11 2	..	5,414 11 2	..	5,414 11 2
9. Setting blocks from 1200 to 3,500 feet ..	36,520	2 14 3	"	1,05,503	..	36,520	2 14 3	1,05,569 0 0	..	1,05,569 0 0	..	1,05,569 0 0
10. Setting blocks at pier head ..	12,185	9 8 11	"	1,16,424	..	12,185	9 8 10	1,16,415 4 0	..	1,16,415 4 0	..	1,16,415 4 0
11. Concrete in mass for filling ..	263	4 8 3	"	1,189	..	263	4 8 3	1,189 0 7	..	1,189 0 7	..	1,189 0 7
12. Wave-breaker blocks ..	288	9 5 7	"	2,692	..	288	9 5 7	2,692 0 0	..	2,692 0 0	..	2,692 0 0
13. Wave-breaker concrete blocks ..	77,355	10 14 11	"	8,45,591	..	69,863	12 1 8	8,45,459 12 4	..	8,45,459 12 4	9 7 8	8,45,459 12 4
14. Depositing concrete blocks ..	77,932	1 0 0	"	77,928	..	70,457	1 1 8	77,918 8 4	..	77,918 8 4	..	77,928 0 0
15. Concrete in protection to rubble base ..	1,986	12 2 8	"	24,158	..	2,029	10 5 0	20,558 0 0	569 6 7	20,537 6 7	..	20,927 6 7
16. Cramps, iron ..	331	9 10 1	Each	3,183	..	313	10 8 0	3,188 0 0	..	3,188 0 0	..	3,188 0 0
17. Concrete capping ..	16,352	16 4 3	C. yd.	2,65,988	..	19,327 1/2	13 11 5	1,06,643 14 1	1,58,359 14 8	2,34,832 12 9	146 11 0	2,55,028 7 9
18. Cost of north pier caisson and setting in position and filling same as items 26, 27, 28 and 34 ..	..	..	..	1,03,855	..	..	..	1,03,457 10 4	3,397 6 6	1,03,854 16 10	..	1,03,854 16 10
Total for North Pier ..	..	..	..	..	26,85,703	..	..	24,14,823 14 8	1,58,359 2 10	25,80,709 1 6	873 14 7	25,81,583 0 1

South Pier.												
19. Ordinary rubble deposited from boats ..	175,078	2 9 0	Ton	4,49,052	..	1,73,659	2 9 4	4,44,126 1 4	..	4,44,126 1 4	4,925 14 8	4,49,052 0 0
20. Large rubble deposited from breakwater ..	8,615	1 12 0	"	15,076	..	8,615	1 12 0	15,075 13 0	..	15,075 13 0	..	15,075 13 0
21. Concrete blocks for building ..	45,066	11 3 1	C. yd.	5,04,510	..	43,341 1/2	11 10 3	5,04,510 0 0	..	5,04,510 0 0	..	5,04,510 0 0
22. Setting blocks at commencement ..	2,550	3 1 6	"	7,912	..	2,556	3 1 6	7,911 13 3	..	7,911 13 3	..	7,911 13 3
23. Setting blocks from 2,550 to 3,700 feet ..	30,160	3 7 11	"	1,05,461	..	30,160	3 7 11	1,05,461 0 0	..	1,05,461 0 0	..	1,05,461 0 0
24. Setting blocks at pier head ..	12,350	11 1 8	"	1,36,845	..	12,350	11 0 10	1,36,476 1 6	0 4 2	1,36,476 5 8	..	1,36,476 5 8
25. Concrete in mass for filling ..	602	7 9 1	"	4,555	..	602	7 9 1	4,554 14 4	..	4,554 14 4	..	4,554 14 4
26. Concrete in cylindrical pier head ..	2,355	15 0 0	"	35,325	..	..	..	32,952 8 7	2,370 15 5	35,323 3 0	..	35,323 3 0
27. Concrete in filling between caisson ..	791	15 0 0	"	11,865	..	790 1/2	15 0 4	11,853 11 0	..	11,855 0 0	..	11,855 0 0
28. Wave-breaker concrete blocks ..	47,231	11 1 6	"	6,24,070	..	42,589 1/2	12 4 7	6,19,240 8 7	3,563 2 5	6,23,203 11 0	..	6,23,203 11 0
29. Depositing concrete blocks ..	47,714	1 5 8	"	64,708	..	41,073	1 9 0	64,260 8 9	..	64,260 8 9	..	64,260 8 9
30. Concrete in protection to rubble base ..	1,700	13 4 11	"	22,820	..	1,328 1/2	13 14 7	14,932 9 1	3,527 10 5	18,460 3 6	..	18,460 3 6
31. Cramps, iron ..	269	11 7 7	Each	2,872	..	290	13 8 1	2,972 0 0	..	2,972 0 0	..	2,972 0 0
32. Concrete capping ..	16,247	15 12 9	C. yd.	2,56,687	..	14,511 1/2	13 3 1	23,648 4 6	1,56,918 7 2	1,90,564 11 8	2,257 16 7	1,92,822 11 3
33. Iron caisson ..	1	..	"	18,000	..	..	..	18,000 0 0	..	18,000 0 0	..	18,000 0 0
34. Preparing base for and setting cylindrical pier head ..	..	..	"	38,696	..	..	..	38,434 14 4	— 35 3 5	38,399 10 11	..	38,399 10 11
Total for South Pier ..	..	..	..	..	..	..	..	19,32,565 12 3	1,88,598 15 2	21,21,164 11 5	7,183 14 3	21,28,348 9 8
Extending the Rubble Revetment protecting the foreshore, north of Harbour.												
35. Rubble stone revetment ..	70,600	2 1 0	Ton	1,45,613	..	91,051	1 8 8	1,46,093 13 2	..	1,46,093 13 2	..	1,46,093 13 2
36. Railway lines ..	..	..	..	..	..	..	..	11,665 7 10	..	11,665 7 10	..	11,665 7 10
37. Tools and plant ..	..	..	..	..	..	..	..	1,51,759 5 0	..	1,51,759 5 0	..	1,51,759 5 0
38. Contingencies ..	..	..	..	..	..	..	..	6,11,541 9 10	..	6,11,541 9 10	..	6,11,541 9 10
39. Establishment ..	..	..	..	..	..	..	..	2,26,984 4 2	8,491 8 8	2,29,475 12 10	132 12 5	2,29,608 9 3
40. Materials at site (concrete blocks in yards) ..	..	..	..	..	..	..	..	6,08,444 16 11	68,321 5 7	6,16,766 5 6	3,571 15 3	6,50,338 4 8
41. Advances to work-people ..	..	..	..	..	..	..	..	38,184 0 7	— 21,109 10 9	15,074 5 10	4,242 13 1	19,317 2 11
Total of estimate and value of work done ..	..	..	..	..	..	..	..	59,87,230 2 6	4,05,153 2 4	63,92,383 4 10	16,005 5 6	64,08,388 10 4
Deduct probable recoveries due to sales of spoil and plant ..	..	..	..	..	..	..	..	— 29,799 11 9	28,284 14 4	— 1,514 13 5	..	— 1,514 13 5
Total ..	..	..	..	..	..	..	..	59,57,430 6 9	4,33,438 0 8	63,90,868 7 5	16,005 5 6	64,06,873 12 11

Sub-head of work.	As per estimate sanctioned in Secretary of State's despatch No. 41, dated 26th September 1895 (vide G.O. No. 2817 W., dated 6th Nov. 1895).						As executed.			Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Total up to end of last year.	During the year.	
	2	3	4	5	6	7	8	9	10	11
I										
Total of revised estimate sanctioned in Secretary of State's despatch, plus expenditure before 31st December 1894	..	..	..	..	Rs. 1,27,52,508	..	..	Rs. 1,25,11,921 5 7	Rs. 4,33,488 0 8	Rs. 1,29,45,359 6 3
Total sanctioned cost for completion of works	..	..	..	..	Rs. 1,27,52,508	..	..	Rs. 1,25,11,921 5 7	Rs. 4,33,488 0 8	Rs. 1,29,45,359 6 3
Add recovery on tools and plant	..	..	..	..	Rs. 2,80,664	1,30,33,172	..	..	..	..
Deduct total expenditure as per column 11	..	..	..	..	..	1,29,45,359	..	..	..	..
Total amount available for completing works after quarter ending 31st March 1896	..	..	..	..	..	87,313	..	..	..	..

REMARKS.—Expenditure up to 31st March 1895 from commencement of works 1,25,11,921 5 7
 " " during current official year from 1st April 1895 to 31st March 1896 4,33,488 0 8 Grant for 1895-96, Rs. —
 Total outlay to 31st March 1896 1,29,45,359 6 3

STATEMENT showing the expenditure on Major Works in detail and Minor Works and Repairs in lump sums during the year 1895-96.

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.				
(3) Improvements to existing buildings in the plains.				
Constructing quarters for the Sergeant Instructor, Wynand.	3,990	918	— 204	
Substituting asphalt floor in place of wooden floor of No. 1 barracks and central blocks, West Hill, Calicut.	2,830	2,469	22	Completed during the year.
(1) New buildings including subsidiary, &c., accommodation in the plains.				
Constructing an armoury with magazine and store-room with quarters for the Sergeant Instructor attached to the South Indian Railway Volunteer, Rifle Corps, Cuddalore.	9,830	5,597	4,110	Completed but accounts not yet closed.
7. General Cantonment Works.				
(2) Drainage and clearance.				
Constructing drains for the sewage of South Infantry lines at Trichinopoly.	6,640	..	1,277	Nearly all the main drains and 5 house drains completed. A few more house drains, the construction of drops and plastering, remained to be done.
Total ..	..	..	6,205	
MINOR.				
I Circle	..	..	1,302	Ganjām Division.—Only one work, viz., constructing a well in lieu of the one reserved for the exclusive use of the regiment, at Berhampur, estimate Rs. 1,530, was completed during the year.
IV	..	..	4,649	Vizagapatam Division.—Expenditure incurred in settling the accounts of old contractors and partly in fixing boundary stones to the Vizianagram Cantonment.
VI	..	..	743	Godāvari Eastern Division.—The work "Improvements to building No. 2 in the old District Jail, Rajahmundry," was in progress during the year.
Total ..	..	..	6,694	
REPAIRS.				
I Circle	..	..	4,510	Ganjām Division.—An outlay of Rs. 1,592 was incurred in repairing the military buildings at Berhampur and in paying the house-rent and compensation for quarters for medical and military subordinates.
II	..	..	435	Vizagapatam Division.—Rs. 1,907 were spent in repairing the buildings in the cantonment of Vizianagram and in Vizagapatam and in paying municipal assessment on military buildings at the latter place, and house-rent and compensation for quarters for medical and military subordinates.
IV	..	..	42,907	Godāvari Eastern Division.—An outlay of Rs. 1,011 incurred on compensation for quarters to Sergeant Instructors of Volunteers and for watching military buildings at Samalkot.
V	..	..	414	
VI	..	..	5,148	
Total ..	..	..	53,414	
Grand Total ..	..	..	65,313	

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.				
I. ORIGINAL WORKS.				
MAJOR.				
6. Post Offices.				
Constructing a new post office at Jeypore.	..	..	281	Vizagapatam Division.—The outlay represents the value of certain materials collected.
Meteorological.	..	..	1,879	
Government Observatory building at Kodaikanal.	..	..	1,879	
Total ..	..	..	2,160	
MINOR.				
I Circle	..	..	488	Godavari Eastern Division.—The work "Improvements to Telegraph office latrine at Cocanada" was in progress and was nearly completed.
II "	..	..	1,880	
III "	..	..	2,720	
IV "	..	..	1,520	This sum includes outlay on (1) addition of a verandah to the Post and Telegraph office at Adoni, and (2) extension of the existing verandah of the Post and Telegraph office at Anantapur.
V "	..	..	788	
VI "	..	..	1,622	
Consulting Architect to Government	..	..	1,456	
Total ..	..	..	10,484	
REPAIRS.				
I Circle	..	..	1,779	Ganjam Division.—Two works were in progress. Vizagapatam Division.—Expenditure on repairs to three works. Godavari Eastern Division.—Five works were in progress, of which two were completed. Godavari Central Division.—Repairs to the Post office at Amalapur commenced and completed during the year.
II "	..	..	1,359	
III "	..	..	1,414	
IV "	..	..	4,591	
V "	..	..	791	
VI "	..	..	1,531	
Consulting Architect to Government	..	..	5,259	
Periyar No. 1	..	..	52	
Total ..	..	..	19,776	Buildings generally kept in repair.
Grand Total ..	..	..	29,420	
III.—PROVINCIAL.				
I. CIVIL BUILDINGS.				
MAJOR WORKS.				
1. Forest.				
Constructing an office for the Conservator of Forests at Waltair.	8,800	..	950	
Constructing an office for the Conservator of Forests at Coimbatore.	10,000	..	8,965	Completed but final payment not made.
2. Customs.				
Alterations and repairs to the godowns of the Sea Customs office at Cocanada.	4,400	3,522	223	Completed and handed over to the customs authorities.
Constructing a warehouse at Calicut	6,400	..	6,188	Commenced December 1895, completed March 1896.
Do. do. at Ponnani ..	13,140	..	8,083	
Do. do. at Cochin ..	4,660	..	2,572	
Do. do. at Tellicherry.	6,580	..	5,366	
Do. do. at Mangalore.	..	..	1,215	
Constructing a Sea Custom House at Kallai.	3,730	..	3,729	File—G.O., No. 2328 W., dated 14th August 1896. Completed.
Constructing a Sea Custom House at Baindur.	3,790	..	500	
Constructing customs godown at Negapatam.	13,100	..	4,274	
Constructing public warehouse at Madras.	43,657	31,213	4,762	

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>				
MAJOR WORKS—<i>cont.</i>				
2. Customs—<i>cont.</i>				
Constructing an iron shed for the Custom House, Madras.	6,170	3,567	2,257	
6. Post Offices				
Constructing post office at Balliguda ..	2,900	3,718	200	A sum of Rs. 200 adjusted during the year.
8. Administration.				
(4) Land Revenue Buildings.				
Constructing combined office for Stationary and Town Sub-Magistrate at Berhampur.	14,400	14,205	907	Completed and handed over to the Revenue authorities.
Improvements to Sub-Magistrate's office at Aspa.	2,800	2,766	175	Completed.
Constructing court and record rooms and out-houses to the Deputy Tahsildar's office at Parlakimedi with a compound wall.	6,500	..	1,001	Materials collected.
Constructing a first-class Tahsildar's cutcherry at Palkonda.	27,420	..	3,369	
Constructing a first-class Tahsildar's cutcherry at Narasipatam.	42,800	..	3,820	
Constructing a combined cutcherry building for the Deputy Tahsildar and Town Sub-Magistrate at Cocanada with latrine and well.	17,410	10,419	6,996	
Additions and improvements to the additional buildings attached to the Collector's cutcherry at Cocanada.	12,500	..	5,502	
Constructing a first-class Taluk cutcherry at Ellore.	36,890	35,407	1,768	
Constructing a first-class Taluk cutcherry at Kovvur.	35,270	7,134	20,737	
Constructing Deputy Tahsildar's office at Kottapeta.	18,250	..	149	The expenditure represents the cost of materials.
Constructing Taluk office at Gannavaram.	31,675	25,214	9,046	
Do. do. at Gudirada ..	38,370	..	15,541	
Constructing Deputy Tahsildar's office at Avanigadda.	19,200	967	9,938	
Constructing Taluk office at Masulipatam.	36,400	36,825	122	An incomplete work of the previous year. The building was handed over to the Revenue Department.
Do. do. at Nandigama.	31,400	31,122	281	
Constructing record-room in the compound of Collector's office, Masulipatam.	14,231	15,147	2,285	
Constructing Taluk office at Tenali ..	30,220	33,218	6,637	The main building, cook-room and the road culvert completed. The work done this year consists of some wood work, slab stone flooring, plastering, roofing with Mangalore tiles, including pine ceiling and painting. The work remaining to be done is the roofing and asphalt flooring of the latrine.
Do. do. at Bapatla ..	46,100	..	2,913	The concrete foundations of the main building almost completed. Materials are being collected.
Constructing Deputy Tahsildar's office at Ponnur.	23,400	..	9,584	The concrete foundations and basement of the main building were completed. Materials are being collected.
Constructing Deputy Collector's office at Atmakur.	20,780	18,784	1,487	
Constructing a new treasury building at Nellore.	12,920	..	7,757	
Extension of Kota Deputy Tahsildar's office.	2,530	..	924	
Iron record-racks, Collector's office, Nellore.	3,130	..	1,620	Value of racks, viz., Rs. 1,491, adjusted in March. A large saving is anticipated.
Constructing Taluk office at Gurazala ..	40,700	38,998	2,044	
Do. do. at Narasaraopet.	36,620	30,923	4,397	
Do. do. at Guntur ..	43,500	2,010	13,765	The building was raised to 5 feet. Well finished. Main building was brought up to 5 feet; cook-house to nearly full height; foundations to latrine completed.
Do. do. at Vinukonda ..	39,440	561	18,588	

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.	RS.	RS.	RS.	
MAJOR WORKS—cont.				
8. Administration—cont.				
(4) Land Revenue Buildings—cont.				
Constructing Deputy Collector's office, Nijampur.	12,130	18,083	1,930	The building was completed.
Constructing Stationary Sub-Magistrate's office at Bezwa.	..	..	1	
Constructing Taluk cutcherry at Talpatri.	36,270	2,717	23,541	The building was on an average 4 feet above plinth level at the beginning of the year. It has now been very nearly completed. Some flooring with slabs, pointing and fixing doors and windows remain to be done.
Do. do. at Hindupur.	34,600	13,055	19,501	The basement and superstructure were completed. Terracing in hand. The work is nearing completion. Parapets, pointing floor, fixing doors and windows and fencing the compound, remain to be done.
Do. do. at Gooty ..	35,754	14,609	12,473	The building was 10 feet above plinth at end of last year. It is now very near completion, except pointing floor, fixing doors and windows and fencing the compound.
Constructing Taluk cutcherry at Dhar-mavaram.	35,682	5,870	16,500	Basement completed and superstructure built up to 9 feet above plinth. Arches in progress. Roof timber, doors and windows iron work and record-racks were got ready.
Constructing Taluk cutcherry at Madakasira.	33,793	5,670	12,501	Concrete was laid, foundation and basement completed and superstructure constructed to an average of 8½ feet above plinth. All the wood and iron work was got ready and record-racks were being prepared. Arch stones nearly ready.
Improvements to Collector's office at Bellary.	7,200	3,561	3,634	Commenced in October 1895.
Improvements to Taluk office at Hospet ..	7,270	..	3,230	The superstructure of the main building completed. The terrace portion of the roof in progress. Verandah rafters put up throughout. Latrine and cook-room completed.
Constructing Taluk office at Rayachoti ..	35,120	12,347	16,042	Ventilators being fixed. Wood work to verandah commenced.
Do. do. at Proddatur ..	30,000	5,050	22,250	Doors, windows and shutters got ready and the flooring for outside verandah almost finished.
Do. do. at Allagadda ..	26,523	33,614	1,185	
Do. do. at Pattikonda.	36,610	6,799	9,553	
Constructing Deputy Collector's office at Markapur.	21,530	1,297	9,002	
Constructing Stationary Sub-Magistrate's office at Nandval.	9,550	..	1,541	
Constructing Collector's office at Calicut.	1,94,615	2,05,503	11,978	Practically completed in 1894-95, but there was difficulty in the settlement of contractor's accounts. Final payment made in March 1896.
Constructing a second-class Taluk office at Tirurangady.	18,430	..	6,511	Walls raised to 12 feet. The work was progressing satisfactorily.
Additions and alterations to the Deputy Tahsildar's and Sub-Magistrate's office, Alathur.	6,400	..	2,341	Commenced in December 1895. Walls raised to a height of 10 feet.
Constructing an upper storey over the treasury compartment of the Collector's office at Mangalore.	4,090	..	4,090	Almost completed.
Constructing a combined office for the Tahsildar and the Deputy Tahsildar at Mangalore.	46,000	39,999	716	Completed.
Improvements and additions to the Special Assistant Collector's office at Malappuram.	7,580	5,721	1,350	
Constructing Sub-Magistrate's office at Tangasseri.	15,050	3,000	1,240	Works completed but accounts not closed.
Constructing Head Assistant Collector's office at Pollachi.	14,650	6,459	8,327	Completed and handed over.
Constructing a Taluk cutcherry at Bhavani.	29,250	26,357	5,395	
Do. do. at Kollegal.	38,940	9,054	23,190	Fixing rafters to clerks' and cashier's rooms; brick work in record-room, Inspector's room, passage and treasury; plastering walls of Head Accountant's room, in progress. Mangalore tiles and all wood work purchased. Rs. 4,500 worth of bricks manufactured.

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.	RS.	RS.	RS.	
MAJOR WORKS—cont.				
8. Administration—cont.				
(4) Land Revenue Buildings—cont.				
Constructing a Taluk cutcherry at Gopichettipalayam.	29,550	10,562	23,254	Completed and handed over.
Constructing a Taluk cutcherry at Karur.	32,100	..	5,687	Concrete for foundation laid. Wood work collected.
Improvements to the Deputy Tahsildar's cutcherry at Aravakurchi.	3,400	3,244	211	
Constructing a Taluk cutcherry at Tiruchengodu.	43,600	35,104	9,872	
Improvements to the Collector's office at Salem.	14,300	2,523	10,517	
Constructing Head Assistant Collector's cutcherry at Tirupattur.	16,900	16,005	10,664	Completed and handed over.
Constructing a Taluk cutcherry at Tirupattur.	45,000	29,213	11,264	
Improvements to the Deputy Tahsildar's cutcherry at Yercaud.	4,980	1,048	2,878	
Constructing a Taluk cutcherry at Chendragiri.	34,926	23,407	10,488	
Constructing a Taluk cutcherry at Wandiwash.	34,850	35,008	1,899	Completed and handed over. Accounts not yet settled.
Constructing a Deputy Tahsildar's office at Ambur.	16,550	7,392	7,639	Almost completed except roofing and plastering of main building, well and wire fence; ceiling planks awaited from Calicut and wire fence from Bombay.
Constructing a Deputy Tahsildar's cutcherry at Tirupattur.	11,990	..	4,743	Concrete for foundations of court room and clerks' room completed and two courses of burnt stone laid for basement. Timber collected.
Combined office for the Deputy Collector and Stationary Sub-Magistrate, Tiruvallur.	24,960	..	2,776	
Constructing a Taluk office at Chidambaram.	40,745	30,888	8,403	
Constructing a Taluk office at Tiruvannamalai.	39,210	1,915	8,611	
Constructing Stationary Sub-Magistrate's office at Tirukkoyilur.	5,870	2,864	2,963	
Constructing Stationary Sub-Magistrate's office at Kallakurichi.	5,830	3,450	1,526	
Constructing Stationary Sub-Magistrate's office at Tindivanam.	5,950	4,971	881	Completed.
Extending the record room of the Taluk cutcherry at Arcot.	4,400	..	919	
Improvements to the Sub-Collector's office at Tindivanam.	5,370	..	2,001	
Improvements and additions to the Collector's office at Cuddalore.	1,02,230	..	40,277	
Constructing Public offices at Tanjore.	1,25,800	..	22,924	
Providing record-room for the Taluk office at Kumbakonam.	5,010	..	4,649	
Additions and improvements to the Taluk office at Nanniam.	2,765	..	835	Masonry work finished, wood work for roof ready.
Constructing a first-class Taluk cutcherry at Musiri.	34,405	32,985	2,304	
Constructing a first-class Taluk cutcherry at Jayankondasolapuram.	38,510	30,985	7,565	
Constructing Vernacular record-room for the Collector's office in Tirumal Naik's palace and acquiring and enclosing lands around the palace.	60,709	1,615	33,456	A sum of Rs. 16,789 was spent by the Revenue Department on land compensation.
Constructing Head Assistant Collector's office at Ramnad.	17,709	5,398	4,722	
Alterations and additions to the old High Court buildings, Madras.	66,326	56,406	2,932	
(5) Residences for Local Governments and Secretariat Offices.				
Additions and improvements to Government House at Ottacamund.	7,82,633	7,76,091	6,447	The outlay represents construction of stables and furniture charges. The estimate has been closed.
Constructing a verandah with terraced and carriage porch to the Banquet Hall, Madras.	17,098	2,969	13,172	
Constructing quarters for the men of His Majesty the Governor's Band at Chepak.	51,900	7,060	30,601	Materials were collected.
Additions and improvements to the Government House, Quindiy.	5,710	..	5,016	

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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
C. CIVIL BUILDINGS—<i>cont.</i>	RS.	RS.	RS.	
MAJOR WORKS—<i>cont.</i>				
9. Minor Departments.				
(3) Monuments and Antiquities.				
10. Educational.				
(1) Government Colleges.				
Constructing Law College, Madras ..	3,84,914	1,87,351	1,25,277	
Additional accommodation on the north side of the Presidency College, Madras, for the Professors of Biology and Physical Science.	62,870	35,457	23,522	
Preparing the ground between the path leading to the fishermen's village and the Presidency College as a cricket ground for the students of the Presidency College, Madras.	3,560	1,308	1,477	The surface was prepared as a lawn. The planted grass mown and rolled on several occasions, and all irregularities were levelled.
Constructing Connemara Library and connected buildings.	5,74,202	2,01,897	48,511	
(2) Government Schools.				
Demolishing and re-constructing Government school-house at Koraput.	3,910	..	1,590	
Extending the Government school-house at Bhadrachalam.	2,610	..	2,596	Completed.
Constructing school-house at Anantapur ..	19,920	2,096	11,374	Commenced during the year. Built of brick in chunam, walls raised to wall plate level. Stone posts for verandah being dressed. All but four flat and relieving arches turned.
Construction of an upper storey to the Government Training School for Masters at Coimbatore.	5,080	..	4,752	Completed as far as original estimate is concerned, but a revised estimate for certain further improvements submitted for sanction.
Constructing a Government Girls' School at Dharmapuri.	2,970	..	1,666	Walls of the main building and of the latrine were raised to full height.
Compensation for land for Government Training School for Mistresses at Coimbatore.	..	..	15,500	
11. Ecclesiastical.				
(2) Burial Grounds.				
Constructing a boundary wall round the cemetery at Pakala.	2,512	1,766	39	Work completed last year. The small expenditure this year represents cost of rails issued by the South Indian Railway to mark the lines of graves.
New cemetery at Villupuram ..	4,026	..	1,023	Concrete laid and foundation raised to 1½ feet all round.
Extending the Protestant cemetery at Pallavaram.	2,910	..	1,500	The compound wall to the cemetery extended and the porch under construction.
Improvements to the Parsowalkam cemetery, Madras.	2,593	..	882	The wall all round raised and about one-half of the earthwork carried out.
12. Law and Justice.				
(1) High Court.				
Alterations and improvements to the new Law Courts, Madras.	9,741	..	9,374	
(2) Small Cause Courts.				
Constructing detached god-sheds for the Small Cause Court, Madras.	26,200	..	9,231	
(3) District Courts.				
Constructing District Munsif's court-house at Rajahmundry.	13,000	12,478	1	Completed and handed over.
Constructing District Munsif's court at Tanuku.	18,840	18,593	4	Completed last year.
Constructing District Munsif's court at Simhadri.	17,300	16,182	836	An incomplete work of last year. The building was handed over.
Improvements to the District Munsif's court house at Masulipatam.	3,000	4,465	93	
Constructing District Munsif's court-house at Nandyal.	17,355	10,101	27	

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>				
12. Law and Justice—<i>cont.</i>				
(3) District Courts— <i>cont.</i>				
Constructing a District Munsif's court with out-houses at Karkul.	20,270	13,021	3,437	One wing and front verandah roofed in; trusses fixed for the court-rooms. Masonry work of the latrine finished and the bullock shed roofed in; plastering in progress. Owing to the dilatoriness of the contractor better progress could not be made.
Improvements to the District Munsif's and Sub-Judge's court at Palghat.	4,250	..	1,527	The walls of the building were raised to their full height.
Constructing a District Munsif's court at Salem.	14,750	13,756	1,168	The greater portion of the work had been done in the previous year. Painting wood work, flooring, plastering and improvements to the well were taken up and completed in the current year and the building was handed over in July. Completed and handed over.
District Munsif's court at Tirutturaipandi.	15,310	11,999	3,604	
13. Jails.				
(1) Central Jails.				
Constructing a single central kitchen with circular cooking range in the Central Jail at Rajahmundry.	3,810	3,788	21	Completed in 1894-95.
Her Majesty's Penitentiary, Madras, additions and improvements.	50,060	44,843	— 651	
Converting the warder's hospital into civil debtor's ward in the Central Jail at Rajahmundry.	2,830	2,847	249	Completed during the current year.
Constructing masonry walls along the road between gate and tower of the Central Jail, Rajahmundry, in place of wooden ones.	3,140	..	861	Materials collected.
Deepening the main gate well, Central Jail, Coimbatore.	5,650	2,166	940	Work held in abeyance owing to water not being good.
Converting blocks Nos. 6, 8 and 10 into cells, Central Jail, Coimbatore.	9,540	..	2,439	Frames for one block and a portion of the iron work and wire-netting received and paid for. The work was not commenced pending receipt of battens and iron fittings.
Constructing 60 warders' huts in the Central Jail at Coimbatore.	14,040	11,478	532	Completed.
Constructing 50 close prison cells in the Central Jail at Salem.	18,700	19,874	331	The estimate originally sanctioned was for Rs. 18,700. This was worked out during the year. A supplemental estimate for Rs. 380 for constructing a drain and bathing and drinking cistern was also sanctioned and completed except the fitting up of an iron pipe.
Constructing civil debtor's ward in the Central Jail at Salem.	6,380	6,321	375	The work, as sanctioned in the original estimate, was completed during 1894-95 and additional work sanctioned in a supplemental estimate of Rs. 330 for drains and for certain improvements to the floor was completed during the year under report.
Additions to the quarantine ward, Central Jail, Vellore.	5,300	5,342	— 79	Completed.
Constructing a single central circular kitchen in the Central Jail, Vellore.	4,200	4,469	— 233	
Re-roofing work-shed in Her Majesty's Penitentiary, Madras.	4,990	4,743	460	This roof is intended to replace a palmyrah coupled tiled roof in very bad order.
(2) District Jails.				
Improvements and alterations to the District Jail, Berhampur.	7,930	6,963	995	Completed; final payment still to be made.
Constructing a new hospital and throwing back south-east main wall, Párvatipuram Hill Jail.	22,156	13,490	5,925	While the hospital and compound wall work were in progress, the work was suspended.
Improving and extending the Sub-Jail at Koraput.	13,375	..	2,122	
(3) Lockups.				
Extending Sub-Jail attached to Taluk office, Alasulipatam.	4,670	..	4,055	

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.				
Constructing first-class Police station-house at Waltair.	2,890	..	2,559	Practically completed.
Constructing 22 huts for the Reserve Police at Koruput.	7,560	..	5,533	The superstructure of block A was raised to 4½ feet and four-fifths of the concrete for block B completed. The basement of the first three huts was also finished. Wood work ready.
Constructing 22 huts for the Taluk Police at Jeypore.	7,160	..	3,967	Concrete of small block completed and 8 inch depth more of concrete of large block laid. Wood work ready.
Constructing a first-class Police station with lock-up at Jeypore.	..	..	80	Walls raised to full height and wood work put in. Some expenditure was incurred by the Civil Agency department in previous years.
Ten Police huts at Moolapott ..	2,550	2,367	16	An incomplete work of last year.
Constructing Police office at Anantapur ..	27,800	5,021	11,955	Foundation and basement completed and verandah walls built to level of bottom of joists. Gothic arches completed. Armoury's shop roofed with Mangalore tiles. School-house walls built up to the required height and roof timbers being placed in position.
Constructing Police station at Brucepetta, Bellary.	6,380	..	2,520	Walls raised to the full height of lower story. Wall plates and joists put up. Stair case finished. Woodwork for roof of upper story being prepared.
Constructing Police hospital at Anantapur.	7,610	8,541	79	Building completed during the year 1894-95.
Do. do. at Karnool..	8,570	..	3,012	Superstructure very nearly completed in the main building and timber for roofing partly ready. Some alterations in design have had to be made.
Constructing 8 head and 48 constables' huts for the Reserve Police at Madura.	19,400	19,442	20	Work done by the contractor rejected owing to the bad materials.
Constructing a Police station at Coonoor..	3,920	..	43	Four hundred cubic feet of stone carted to site.
Constructing a Police ward in the compound of the Civil Dispensary at Kollagal.	4,250	..	8	Completed.
Converting old barracks at Arni into Police huts.	5,120	4,585	550	Completed with the exception of gate. This could not be put up till land was handed over by the Civil Department.
Constructing a second-class Police station at Tiruchanur.	2,760	1,081	12,193	Work almost completed with the exception of fitting up doors to block No. 4 and flooring and building fire places.
Police lines near Mahamaghakulam, Kumbakonam.	23,400	10,310	681	Incomplete works of previous year. All completed.
Constructing Police lines for Tanjore taluk.	6,970	6,469	8,193	Completed and handed over.
Constructing Police lines for Tanjore town.	25,955	18,617	359	Completed and handed over.
Constructing Police lines near Pattah station, Kumbakonam.	9,120	8,967	185	Completed and handed over.
Police huts at Nidamangalam ..	3,839	3,863	6,090	Completed and handed over.
Additions to the office of the Inspector-General of Police, Madras.	6,875	..	4,724	Completed and handed over.
Constructing a new Police station at Rayapetta, Madras.	5,130	20	2,669	Two extra rooms and a verandah added to the existing station.
Additions and alterations to B III Police station at Royapuram, Madras.	2,654	..	466	Completed and handed over.
Constructing police huts at Pattur ..	3,430	3,023	..	Completed and handed over.
15. Medical.				
(1) Hospitals and Dispensaries.				
Constructing hospital building with out-houses at Polavaram.	2,650	234	1,984	All masonry work completed. Roofing in progress.
Alterations and additions to the west wing of the Station Hospital to accommodate Women and Children's Hospital.	3,720	..	4,003	These additions were made in consequence of the transfer of Women and Children to the General Hospital buildings.
Constructing isolation shed for female patients at the General Hospital.	4,930	..	2,425	Work just commenced.
Additions and improvements to the Government Maternity Hospital.	34,268	8,899	26,207	
Minor additions to the General Hospital and connected buildings.	3,948	..	3,227	

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.				
(15) Medical—cont.				
(2) Medical Colleges and Schools.				
Constructing an ornamental iron gate and a compound wall at the Medical College, Madras.	4,000	..	3,823	Completed.
Extending Chemical Laboratory, Medical College.	17,575	6,997	9,581	Completed except gas and water fittings.
(4) Lunatic Asylum.				
Alterations and improvements to blocks 88 and 93 at the Lunatic Asylum, Madras.	4,970	..	4,898	
Removing the existing asphalt floor and reflooring with half-inch cement to the blocks of the Lunatic Asylum, Madras.	3,500	..	2,599	The asphalt floor to most of the wards had shrivelled up and there was some difficulty in washing them clean.
Constructing 75 huts and 2 latrines for native keepers at the Lunatic Asylum.	13,130	11,719	305	
16. Miscellaneous.				
(1) Registration.				
Constructing a Sub-Registrar's office at Chittoor.	3,470	..	2,470	Foundations and basement built and superstructure raised 7 feet; woodwork prepared.
Constructing a Sub-Registrar's office at Biccavolu.	2,800	1,518	1,562	Completed and handed over to the Registration Department.
Constructing a Sub-Registrar's office at Attali.	4,200	2,006	1,547	Roofing, plastering and pointing completed.
Constructing a Sub-Registrar's office at Kovvar.	3,550	..	3,271	All masonry work with concrete flooring, plastering and pointing and woodwork for roofing completed. Mangalore tiling begun.
Constructing a Sub-Registrar's office at Mamidivaram.	3,900	2,122	2,248	Completed and handed over.
Constructing a Sub-Registrar's office at Sattenapalle.	4,530	4,019	100	An incomplete work of last year. The building was handed over.
Constructing a Sub-Registrar's office at Allur.	3,105	1,212	1,853	Completed.
Constructing a Sub-Registrar's office at Siruguppa, Bellary district.	2,780	1,280	1,497	The following work done to complete the building:— Raising the walls by 4 feet, roofing, flooring and fixing and painting doors and windows.
Constructing a Sub-Registrar's office at Alur, Bellary district.	2,620	620	1,500	Basement and superstructure completed. Terracing in hand. Work nearing completion.
Constructing a Sub-Registrar's office at Harpanaballi, Bellary district.	2,810	2,298	328	Completing roof, pointing, flooring and fixing doors and windows done during the year. Completed and handed over.
Constructing a Sub-Registrar's office at Gooty, Bellary district.	2,770	..	2,415	Work commenced in May 1895. Completed with the exception of asphalt flooring.
Constructing a Sub-Registrar's office at Allagadda, Kurnool.	3,250	..	2,624	Completed and handed over. Final payment not made.
Constructing a Sub-Registrar's office at Cannanore.	3,620	..	3,566	
Constructing a Sub-Registrar's office at Irakkur.	3,860	25	3,400	
Constructing a Sub-Registrar's office at Kuttippuram.	4,220	— 6	3,943	
Constructing a Sub-Registrar's office at Anadotode.	3,930	3,793	15	
Constructing a Sub-Registrar's office at Vayittiri.	8,786	6,232	2,421	
Constructing a Sub-Registrar's office at Hosdurg.	3,650	2,548	1,044	
Constructing a Sub-Registrar's office at Muthalidri.	3,065	2,252	891	Completed
Constructing a Sub-Registrar's office at Payangadi.	3,750	6	3,640	
Constructing a Sub-Registrar's office at Anamalai.	2,550	..	2,578	
Constructing a Sub-Registrar's office at Udumalpet.	3,250	3,188	13	
Constructing a Sub-Registrar's office at Pollachi.	3,300	3,194	157	
Constructing a Sub-Registrar's office at Parmathi.	3,630	1,799	1,195	

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>				
MAJOR WORKS—<i>cont.</i>				
16. Miscellaneous—<i>cont.</i>				
(1) Registration—<i>cont.</i>				
Constructing a Sub-Registrar's office at Dharmapuri.	3,440	..	2,811	Walls built to full height and the roof work in progress.
Constructing a Sub-Registrar's office at Tiruvotaiyur.	3,750	8,972	32	} Completed.
Constructing a Sub-Registrar's office at Sholingur.	3,100	..	3,157	
Constructing a Sub-Registrar's office at Tiadiyannam.	3,340	..	1,604	Superstructure raised to 8 feet high all round.
Constructing a Sub-Registrar's office at Porto Novo.	3,420	..	1,490	Superstructure raised to 7 feet high all round.
Constructing a Sub-Registrar's office at Tirukkoyilur.	3,440	..	1,193	Materials collected.
Constructing a Sub-Registrar's office at Kurinjipadi.	3,840	..	500	Work just commenced, materials under collection.
Constructing a Sub-Registrar's office at Tiruvannamalai.	2,860	1,870	1,130	} Completed.
Constructing a Sub-Registrar's office at Gingee.	2,580	1,420	1,557	
Constructing a Sub-Registrar's office at Kallakurichi.	2,770	..	374	Concrete foundation and brickwork to top level of basement completed.
Constructing a Sub-Registrar's office at Bhuvanagiri.	2,980	2,893	17	Completed an incomplete work of the previous year.
Constructing a Sub-Registrar's office at Merattur.	3,010	..	929	Concrete foundation completed. Part of brick foundations built. Doors and windows received from Public Works Workshops. Roofing timbers brought to site.
Constructing a Sub-Registrar's office at Shiyali.	3,120	..	1,447	Masonry work raised to basement level. Doors, windows and woodwork received from Public Works Workshops. Superstructure about to be commenced.
Constructing a Sub-Registrar's office at Papanasam.	2,860	2,769	156	} Completed, incomplete work of previous year.
Constructing a Sub-Registrar's office at Kuttalam.	3,040	2,736	163	
Constructing a Sub-Registrar's office at Adichapuram.	2,870	2,361	68	
Constructing a Sub-Registrar's office at Arantangi.	3,330	2,620	594	
Constructing a Sub-Registrar's office at Pattukkottai.	3,310	..	809	There was delay in the settlement of site which prevented work being started till the end of the year. Woodwork, &c., ordered from Public Works Workshops received. Bricks and lime manufactured.
Constructing a Sub-Registrar's office at Tirupuvanam.	4,270	..	1,321	Foundation and basement completed.
Constructing a Sub-Registrar's office at Aruppukottai.	4,480	..	1,014	Superstructure raised to about 2½ feet. Materials collected.
Constructing a Sub-Registrar's office at Kalligudi.	4,080	..	2,661	Superstructure approaching completion.
Constructing a Sub-Registrar's office at Peraiyur.	4,030	..	1,369	Materials collected, foundation dug and concrete laid.
Constructing a Sub-Registrar's office at Paldi.	3,300	..	1,000	Superstructure built 4 feet.
Constructing a Sub-Registrar's office at Kovilpatti.	4,330	..	2,001	The walls of the building raised to full height, doors and windows almost complete and rafters for the roofing ready.
Additions and alterations to the late Stamp and Stationary office for the accommodation of Registration offices.	10,385	8,144	1,399	The greater portion of the improvements were carried out last year. These were completed in the current year and the rooms made over.
(4) Public Works Buildings.				
Constructing a residence with outhouses for the Conservator of Forests at Walair.	15,785	..	3,557	Work brought up to ground level. Woodwork under preparation.
Improvements to the Superintending Engineer's office building at Dowlaiswaram.	2,700	..	2,688	Completed.
Constructing quarters with outhouses for the Executive Engineer, Kistna Northern division.	10,235	8,632	5,553	The building was practically completed. The outhouses require plastering and whitewashing. The fencing has to be done, the road made and the well 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—<i>cont.</i>				
MAJOR WORKS—<i>cont.</i>				
16. Miscellaneous—<i>cont.</i>				
(4) Public Works Buildings—<i>cont.</i>				
Constructing residence for the Head Assistant Collector at Bezvada.	10,600	10,833	118	An incomplete work of the previous year. The fencing and the well were completed, the drain not finished as the land was not handed over.
Improvements to old club for converting into Kistna Northern division office.	3,130	2,884	432	
Acquiring certain lands in connection with Public Works Department buildings at Bezvada.	4,700	..	297	} Completed.
Residence for the Head Assistant Collector at Gudur.	9,190	2,571	6,519	
Head Assistant Collector's residence at Hospet.	9,100	..	5,384	Work commenced in April 1895. The walls were raised to a height of 8 feet. Work suspended and since resumed on a revised estimate.
Improvements to the District Surgeon's quarters at Anantapur.	4,570	..	759	Concrete laid for the foundations of verandah and office room and the walls of existing dressing room raised by 6½ feet. Final payment not yet made.
Head Assistant Collector's residence at Nandyal.	12,481	7,827	3,169	The superstructure finished to a height of 7 feet 6 inches. The work carried on departmentally.
Constructing store-shed for famine tools at Channarayana.	3,420	..	1,780	
Rest-house at Markapur.	2,760	..	411	Work commenced very late, land for it not having been handed over. Foundations laid. Most of material at site.
Constructing a residence for the Head Assistant Collector at Raninad.	11,890	2,000	1,186	Bricks manufactured, foundation dug, concrete laid and walls of main building raised to ground level.
Improving the Police Superintendent's quarters at Palamottah.	4,350	..	4,354	Completed.
Constructing quarters for the Vice Principal of the Teachers' College at Saidapet.	9,565	..	7,018	Main building almost completed, plastering and flooring remain to be done. The cook rooms and godowns fully completed.
Constructing quarters for the Hospital Assistants attached to the Government Maternity and Ophthalmic Hospitals.	18,170	..	+ 4,473	Work sanctioned and commenced late in the year.
Loss by depreciation of stock, Public Works stores division.	..	..	+ 34,401	G.O., No. 1254 W., dated 10th April 1896.
Total ..	..	..	12,95,403	
MINOR WORKS.				
I Circle	..	..	21,660	
II "	..	..	8,194	
III "	..	..	12,002	
IV "	..	..	39,189	
V "	..	..	18,495	
VI "	..	..	20,992	
Consulting Architect to Government	..	..	26,106	
Periyar No. 1	..	..	3,334	
Total ..	..	..	1,45,032	
REPAIRS.				
I Circle	..	..	17,266	
II "	..	..	17,752	
III "	..	..	16,295	
IV "	..	..	54,384	
V "	..	..	14,204	
VI "	..	..	16,658	
Consulting Architect to Government	..	..	1,11,334	
Total ..	..	..	2,51,447	

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. COMMUNICATIONS.				
MAJOR WORKS.				
1. Metalled Roads.				
A. Bridged and drained throughout.				
Metalling and improving road from Govindapur to Lohagudi.	9,670	2,668	1,949	Work remaining to be done is as follows: Gaps between mile 0 + mile 2 to be filled up. Miles 2 to 3 has to be done entirely. Mile 3 f. 4 to 6 Some more metal is required when spreading and gravelling can be done. Mile 3 f. (6 to 7) requires gravelling. Mile 4 f. 1 to 2 requires to be metalled and gravelled. Almost the whole quantity of metal is available in mile 4 f. 8 to 4.
Constructing road with masonry works from Kallikota to Boirani.	71,200	16,775	19,391	Earthwork completed. Masonry works were in progress between 14 and 26 miles; about 40 masonry works are approaching completion. Bridges are being started.
Constructing Tekkali-Anantagiri road ..	23,500	24,375	71	Completed.
Constructing masonry works on Tekkali-Anantagiri road.	27,200	..	12,354	70 culverts completed and the work was in fair progress.
Constructing Ichchhapuram-Jarada road.	39,400	37,771	161	Expenditure incurred on account of compensation for land. Work completed in 1894-95.
Improvements to Vayittiri-Gudalur road.	6,69,337	6,47,629	614	Completed and handed over to Local Fund Department.
Improvements to Chundale-Mysore road.	52,780	26,421	18,086	The improvements to the road completed except the construction of the Kullar bridge.
Constructing cart-stands on Ootacamund-Kullar road.	7,260	..	4,086	Cart-stands in 23rd and 18th miles completed. New culverts also completed.
(2) Unmetalled Roads.				
A. Bridged and drained throughout.				
Constructing Mohanagiri Ghât road ..	12,000	4,316	3,679	Earthwork and revetment completed for the 1st mile, but below that, the full width of road was scarped out. The revetments at the turning places have been built. Revetments and parapet walls still to be built to complete the ghât.
B. Partially bridged and drained.				
Constructing iron bridge at Mahasinghi ..	55,100	32,807	10,325	Wells for foundations of both abutments sunk to full depth + 36. Concrete, rough stone in mortar for both abutments laid and built to floor level + 46. One abutment built to level + 73. Revetment work at sides complete to level + 73. M.F. level = + 68.
Cutting trace of ghât road from Ahtoor to join road No. 49, Lower Palnis.	3,940	1,537	2,916	
Total ..	..	..	74,541	
MINOR WORKS.				
I Circle	..	..	280	
IV "	..	..	2,613	
VI "	..	..	40	
Total ..	..	..	2,933	
REPAIRS.				
I Circle	..	..	22,775	
IV "	..	..	1,19,912	
Consulting Architect ..	..	..	13,501	
Total ..	..	..	1,56,188	

Vijayapatam Division.—Rs. 11,350 were expended on the work "maintaining Itihavale-Koraput road."

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.				
1. Improvements to Towns.				
Filling in Ootacamund lake	1,00,000	..	5,981	New tramway line laid as far as bolts would admit. The whole of the old line laid and its trucks repaired.
Laying a rough trace from Kodaikānal to Kullar road.	2,500	2,519	215	
Total ..	..	..	6,146	
MINOR WORKS.				
IV Circle	..	..	885	
Consulting Architect	..	..	719	
Total ..	..	..	1,604	
REPAIRS.				
I Circle	..	..	267	
II "	..	..	630	
IV "	..	..	2,151	
V "	..	..	19	
Consulting Architect	..	..	18,458	
Total ..	..	..	21,525	
Grand Total ..	..	..	19,54,819	
IV. INCORPORATED LOCAL FUNDS.				
45. Civil Works.				
2. Communications.				
(2) Unmetalled Roads.				
Widening towpath from 12' to 18' on the right bank of Kistna Western delta main canal from $\frac{1}{2}$ to $\frac{1}{2}$ miles.	3,618	..	3,598	Earthwork practically completed. Road surface has to be formed in some places.
Total ..	..	..	3,598	
MINOR WORKS.				
I Circle	..	..	478	
II "	..	..	453	
III "	..	..	1,198	
V "	..	..	265	
Total ..	..	..	— 7	
REPAIRS.				
I Circle	..	..	3,228	
II "	..	..	3,530	
III "	..	..	1,198	
IV "	..	..	250	
V "	..	..	17,706	
VI "	..	..	1,033	
Total ..	..	..	26,995	
3. Miscellaneous Public Improvements.				
Repairs.				
II Circle	..	..	97	
Total ..	..	..	97	
Grand Total ..	..	..	30,683	
V.—EXCLUDED LOCAL FUND WORKS—PORT FUNDS.				
I. CIVIL BUILDINGS.				
MAJOR WORKS.				
16. Miscellaneous.				
(4) Public Works Buildings.				
Constructing light-house keepers' and light keepers' quarters at Calingapatam.	6,120	..	3,746	The improvements were practically completed.
Port Officer's residence at Masulipatam ..	6,860	4,500	2,384	

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.				
(4) Public Works Buildings—cont.				
Purchasing a building to be used as Port Officer's quarters at Mangalore.	15,000	..	..	Building not purchased pending disposal of a report on its condition. Work in abeyance during the year, the payment being liabilities of the year previous.
Constructing residence for the Port Officer at Pamban.	6,400	4,078	1,040	
Total ..	..	..	6,180	
3. Miscellaneous Public Improvements.				
(7) Harbour.				
Improvements to the groynes at Gangolli Port.	3,220	722	1,876	Completed.
Constructing a new pier at Tuticorin and reclamation of the foreshore.	1,86,000	97,630	50,878	
(8) Lighthouse.				
Improvements to the Lightning conductor of the light-house at Mangalore.	3,190	..	3,310	Work in abeyance pending orders on the general restoration of light-house improvements.
Total ..	..	..	56,063	
MINOR WORKS.				
I Circle	..	..	1,431	
II "	..	..	3	
IV "	..	..	1,342	
V "	..	..	1,372	
VI "	..	..	2,787	
Consulting Architect ..	..	..	374	
Total ..	..	..	7,309	
REPAIRS.				
I Circle	..	..	633	
II "	..	..	1,338	
IV "	..	..	2,983	
V "	..	..	639	
VI "	..	..	2,570	
Consulting Architect ..	..	..	2,450	
Total ..	..	..	10,613	
Grand Total ..	..	..	80,165	
VI.—WORKS IN ESTATES UNDER THE COURT OF WARDS.				
MAJOR WORKS.				
Reconstructing the chattram at Thirupathurai, Trichinopoly taluk.	2,680	2,680	769	Foundations laid and brought up to base ment level. Brickwork and superstructure remain to be done.
Total ..	..	..	769	
REPAIRS.				
VI Circle	..	..	40	
Total ..	..	..	40	
Grand Total ..	..	..	809	

STATEMENT showing the expenditure incurred on establishment in divisions during the year 1895-96, and the percentage it bears to the outlay on works and repairs.

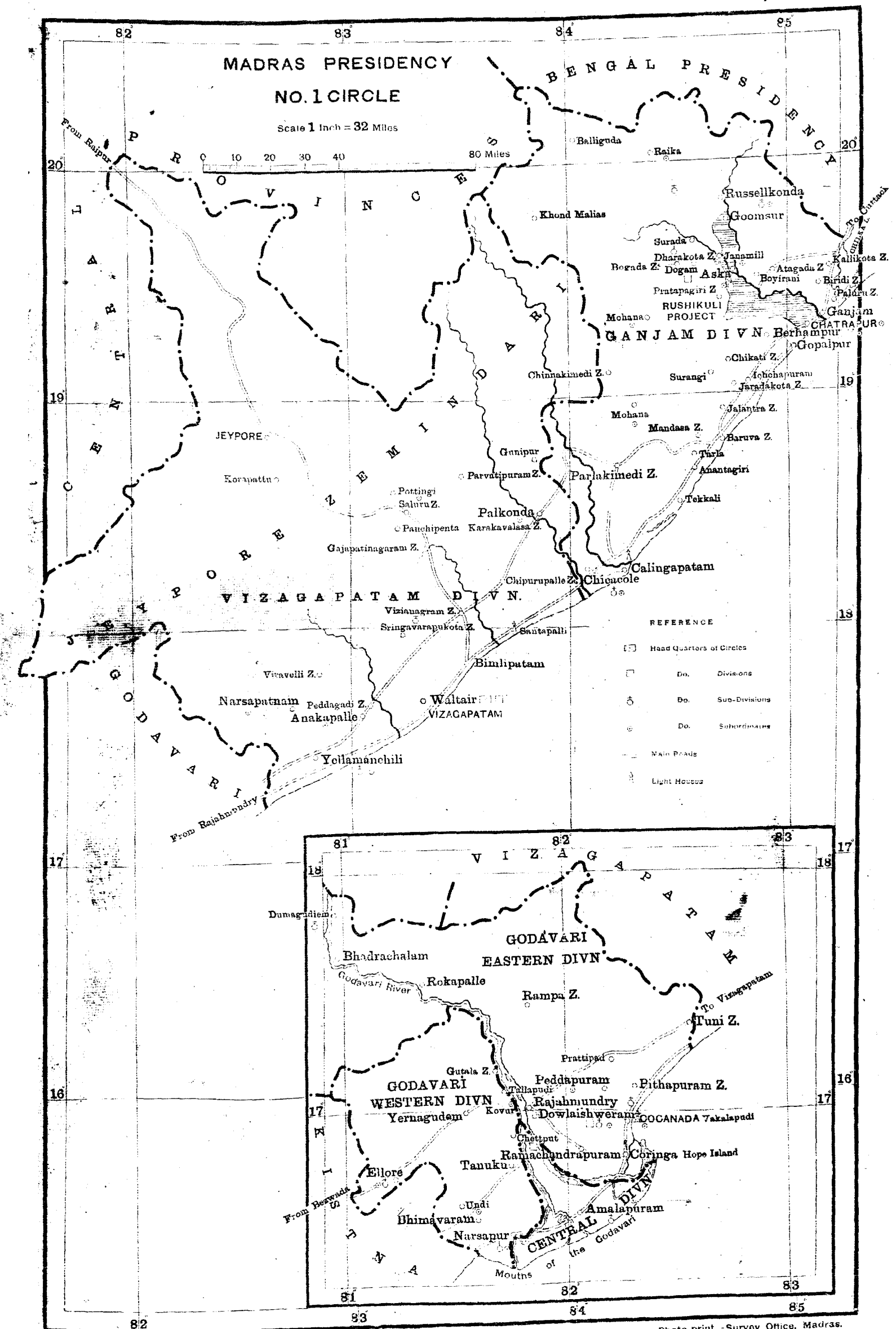
Number.	Divisions.	Total expenditure on works and repairs.	Cost of establishment.							Total of columns 7, 9 and 10.
			Engineer.	Upper subordinate.	Lower subordinate.	Total.	Percentage (column 7 bears to column 3).	Petty establishment.	Office and accounts establishment.	
1	2	3	4	5	6	7	8	9	10	11
		RS.	RS.	RS.	RS.	RS.		RS.	RS.	RS.
1	Rushikulya division ..	2,26,927	20,186	18,213	871	39,270	17.3	3,131	8,387	50,788
2	Ganjām do. ..	1,14,692	22,590	15,106	150	37,846	32.9	2,323	7,266	47,435
3	Visagapatam do. ..	1,28,651	11,605	10,678	824	23,107	18.2	1,796	6,791	31,694
4	Gōdāvari Eastern division ..	1,92,116	29,119	15,174	..	44,293	23.0	15,991	16,795	77,079
5	Do. Western do. ..	2,37,889	24,899	20,101	640	45,640	19.1	18,047	12,785	76,472
6	Do. Central do. ..	61,028	5,595	2,329	210	8,134	13.1	3,137	2,621	13,892
7	Kistna Northern do. ..	2,89,343	26,983	15,466	..	42,449	14.6	8,976	10,538	61,963
8	Do. Eastern do. ..	4,25,443	18,977	16,515	600	36,092	8.4	12,379	11,163	59,634
9	Do. Western do. ..	4,89,551	25,173	11,087	..	36,260	7.4	10,636	9,949	56,845
10	Nellore division ..	2,17,745	14,778	16,728	720	32,226	14.7	8,023	9,297	49,546
11	Buckingham Canal division ..	2,24,276	20,314	18,270	1,020	39,604	17.6	1,711	13,340	54,656
12	Bellary division ..	2,17,791	21,719	19,803	1,459	42,981	19.7	1,859	7,513	52,353
13	Cuddapah do. ..	1,79,424	10,132	14,001	1,355	25,488	14.2	1,371	6,899	33,758
14	Kurnool do. ..	1,43,026	16,650	25,420	402	42,472	29.6	9,705	11,103	63,280
15	Goimbatore division ..	3,11,188	14,959	19,042	316	34,317	11.0	2,311	8,731	45,359
16	Salom do. ..	1,16,736	10,270	10,597	..	20,867	18.0	1,617	5,850	28,324
17	North Arcot do. ..	2,43,779	15,227	21,689	1,034	37,950	15.5	5,260	9,771	52,941
18	West Coast do. ..	2,18,974	18,709	16,271	780	35,760	16.5	1,752	8,088	45,600
19	Public Works Stores division ..	35,945	1,721	2,520	..	4,241	11.9	856	6,253	11,350
20	Public Works Workshops Division ..	979	1,756	4,048	923	6,027	615.6	1,897	5,525	13,449
21	Chingleput division ..	1,59,617	9,538	26,615	536	36,689	22.9	2,907	8,029	47,625
22	North Arcot do. ..	2,53,051	11,551	23,827	1,312	36,670	14.4	5,059	10,496	52,225
23	Tanjore do. ..	2,01,992	25,202	17,675	566	46,443	22.9	8,443	8,695	63,581
24	Nagapatam do. ..	1,52,327	11,303	12,166	..	23,469	15.4	2,365	7,064	32,898
25	Trichinopoly do. ..	1,32,798	9,581	10,506	924	21,010	15.8	2,145	6,971	30,126
26	Madura do. ..	3,15,249	22,139	27,020	1,041	50,200	15.9	2,794	10,624	63,620
27	Tinnevely do. ..	2,21,224	13,539	15,441	610	29,590	13.3	3,970	8,104	41,664
28	Consulting Architect ..	5,43,767	26,674	22,206	2,065	50,945	9.3	2,048	16,964	69,957
29	Periyār No. I ..	4,39,936	34,353	12,951	2,520	49,824	11.3	7,375	12,587	69,786
	Total, Construction ..	64,90,094	4,98,222	4,61,464	20,178	9,79,864	15.0	1,49,876	2,68,199	13,97,939
	Direction.									
	(a) Chief Engineers, &c. ..	..	99,040	..	..	99,040	..	1,012	66,790	1,66,842
	(b) Superintending Engineers ..	..	1,27,428	..	..	1,27,428	..	1,900	53,134	1,82,462
	Accounts.									
	(c) Examiner, Deputy and Assistant Examiners ..	..	42,052	..	..	42,052	..	60	74,711	1,16,823
	Total Establishment, Salaries ..	64,90,094	7,66,742	4,61,464	20,178	12,48,384	..	1,52,848	4,62,824	18,64,066
	(d) Travelling allowances ..	..	..	..	..	..	..	..	..	2,48,780
	(e) Contingencies ..	..	..	..	..	..	..	..	..	54,481
	Add—Charges of other departments and of previous year disbursed during the year ..	..	..	..	..	..	..	..	..	21,67,327
	Deduct—Amount charged to other Provinces and Departments and charges not paid during the year ..	..	..	..	..	..	..	..	..	— 1,487
	Total ..	..	..	..	..	..	..	..	..	21,65,840
	Add—Cost of special establishment for Tank Restoration Scheme ..	..	..	..	..	..	..	..	..	— 21,711
	Total Charges for Provincial Establishment ..	..	..	..	..	..	..	..	..	21,87,551
	Grand Total, Establishment ..	..	..	..	..	..	..	..	..	80,973
	Grand Total, Establishment ..	..	..	..	..	..	..	..	..	22,18,524

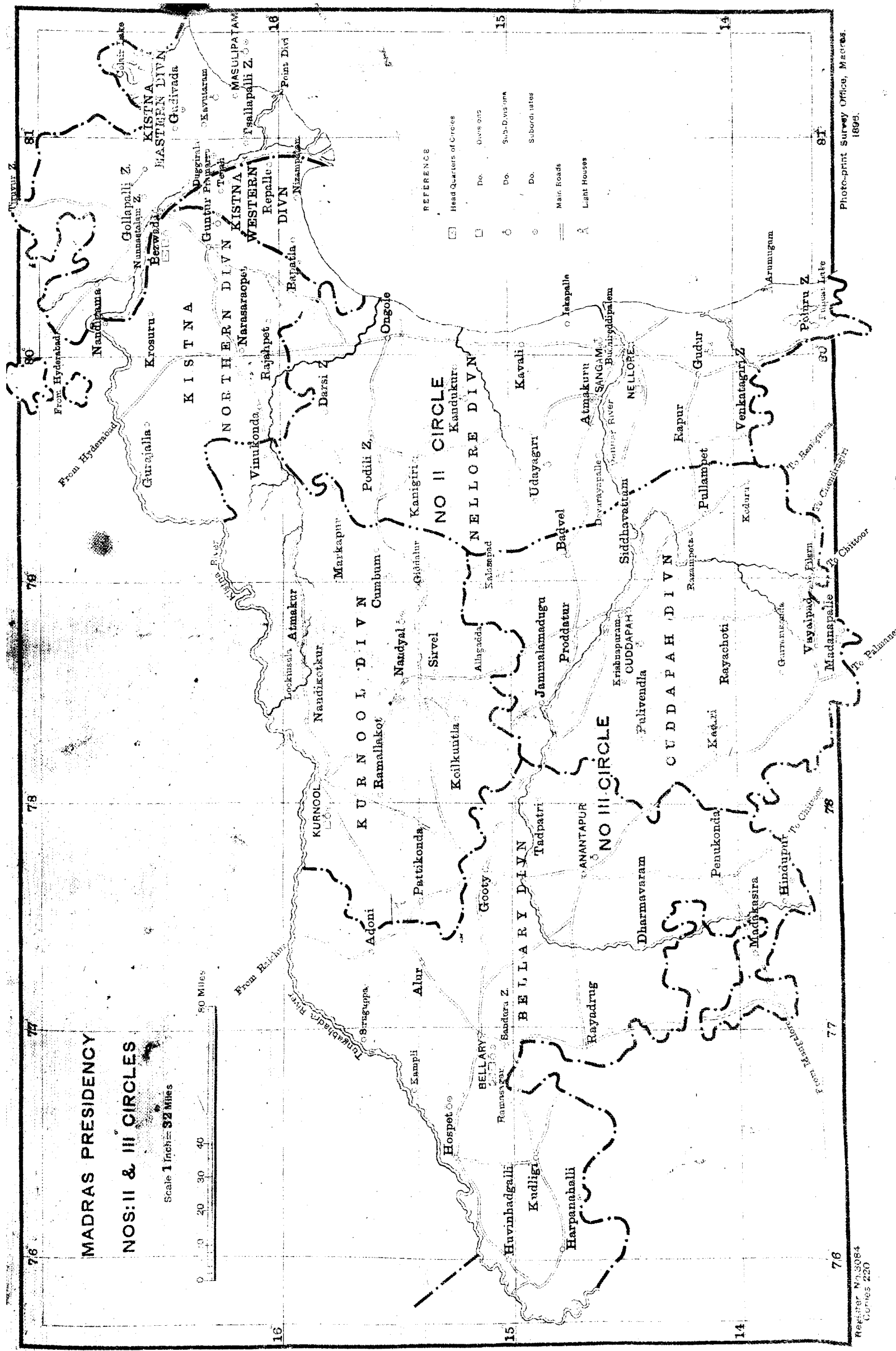
* Note.—The establishment in this division is also employed on manufacture, the accounts of which are separately recorded.

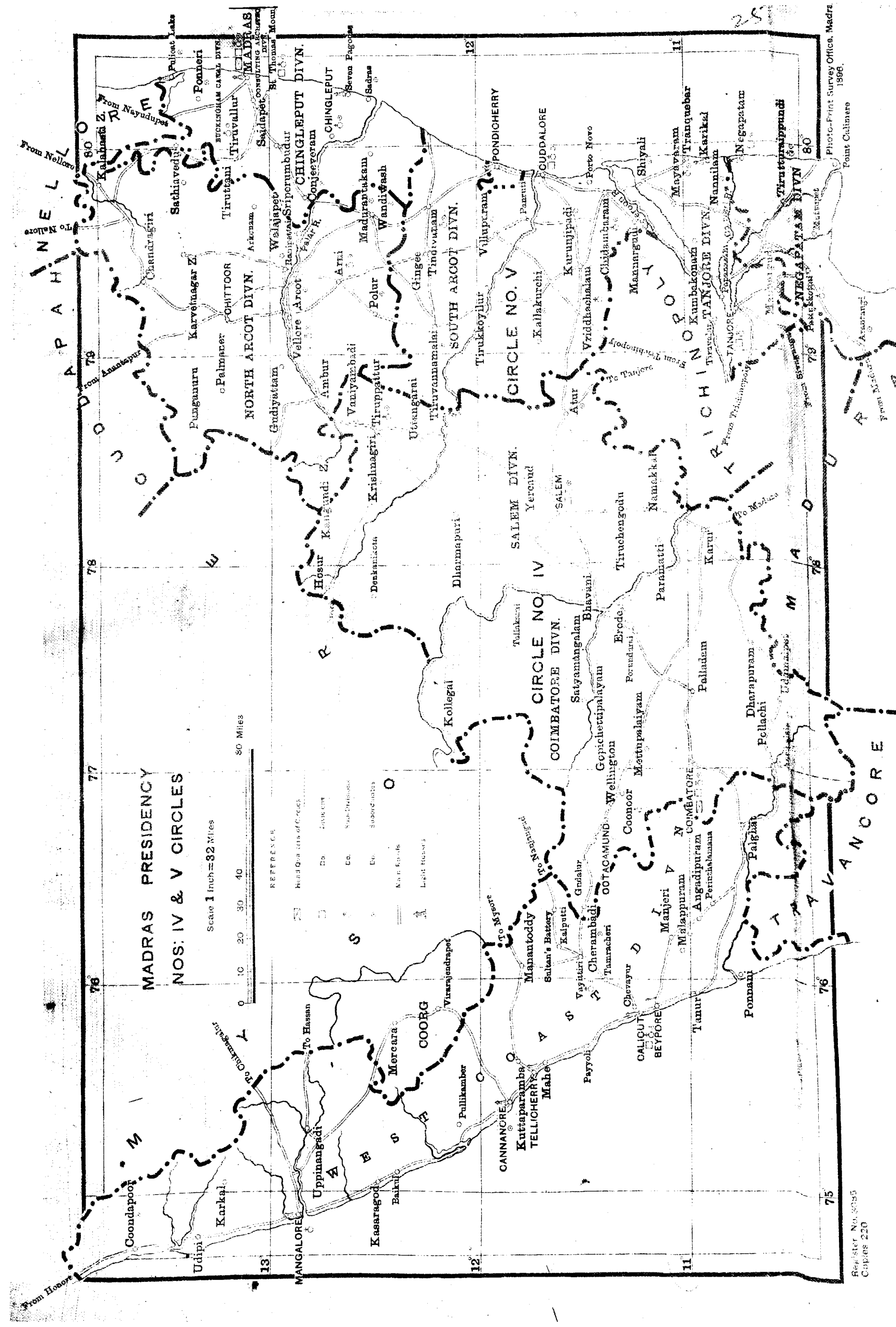
STATEMENT showing the length of road communication maintained by public authorities in Madras during the year 1895-96.

Name of division.	Name of district.	Length of metalled roads maintained by the Public Works Depart- ment.	Length of unmetalled roads maintained by the Public Works Depart- ment.	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.
Ganjām and Kishikulya ..	Ganjām ..	23-00	2 50	732-00	35-00	765-00	37-50
Vizagapatnam ..	Vizagapatnam ..	51-00	..	350-00	567-00	401-00	567-00
Gōdāvari (Eastern and Western) ..	Gōdāvari ..	5-00	..	750-00	120-00	765-00	120-00
Kistna (Northern, Eastern and Western) ..	Kistna ..	0-78	39-50	572-00	195-00	672-78	234-00
Nellore ..	Nellore ..	0-50	..	988-00	110-00	988-50	110-00
Bellary ..	Anantapur ..	..	..	250-00	487-00	250-00	487-00
..	Bellary ..	..	..	171-00	720-00	141-00	720-00
Cuddapah ..	Cuddapah ..	..	..	539-00	612-00	569-00	612-00
Kurnool ..	Kurnool ..	..	..	513-00	178-00	613-00	178-00
Coimbatore ..	Coimbatore ..	..	..	913-00	633-00	913-00	633-00
..	Nilgiri ..	27-00	..	65-00	486-00	92-00	486-00
Salem ..	Salem ..	..	..	554-00	1,420-00	554-00	1,420-00
West Coast ..	Madabar ..	98-00	5-00	474-00	884-00	370-00	889-00
..	South Canara ..	..	..	148-00	957-00	148-00	957-00
North Arcot ..	North Arcot ..	..	..	1,477-00	..	1,477-00	..
Chingleput ..	Chingleput ..	..	..	607-00	..	607-00	..
South Arcot ..	South Arcot ..	6-25	59-00	810-00	295-00	816-25	304-00
Tanjore and Negapatnam ..	Tanjore ..	..	..	147-50	132-00	1,057-50	1,057-50
Tichinopoly ..	Tichinopoly ..	26-87	..	1-3-00	1,310-00	183-00	1,310-00
Madura ..	Madura ..	..	..	533-00	132-00	653-87	653-87
Tinnevely ..	Tinnevely ..	..	..	591-00	613-00	591-00	613-00
..	..	..	..	815-00	112-00	815-00	112-00
Consulting Architect ..	Presidency ..	4-30	..	..	..	4-30	..
Total ..	..	234-70	253 50	12,095-00	10,043-00	12,329-70	10,296-50

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







NO. VI CIRCLE

STATE OF TEXAS,
COUNTY OF DALLAS.



2025

David D. Davis, Jr.

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2000

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Abstract

Figure 1

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