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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No. 1285 W Press.
B.P. No. Mis.

Dated 23. 5. 1884 197 .

to be folded or roughly handled

1285
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From L. R. BURROWS, Esq., President of the Local Fund Board, Nílgiris, to the Secretary to the Board of Revenue, dated Ootacamund, 4th April 1884, No. 21.—Through the Superintending Engineer, IV Circle, Coimbatore.

I have the honor to submit plans and estimate, for Rs. 2,20,000, for re-formation of the Ootacamund-Gúdalúr road, for the sanction of the Board of Revenue.

2. The resolution of the circle board, passed at its meeting held on the 31st March 1884, sanctioning the estimate, is herewith enclosed for the information of the Board and Government.

ENCLOSURE.

Extract from the proceedings of a meeting of the Nílgiri Local Fund Board held on Monday, the 31st March 1884.

* * * *

No. 4. Read letter from the Local Fund Engineer, Nílgiris, No. 432, dated 12th March 1884, submitting estimate and plans for the re-formation of the Mettupálaiyam-Gúdalúr road.

The estimate, which amounts to Rs. 2,20,000, will be submitted to Government through the Superintending Engineer, IV Circle.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 25th April 1884, No. 194 E.W.

With reference to G.O.. No. 1417 W., of 14th May 1883, I have the honor to forward, for sanction, five plans and one estimate, with specification, amounting to Rs. 2,20,000, for improving and metalling the road from the municipal limits of Ootacamund towards Gúdalúr, submitted by the Local Fund Board, Nílgiris. The total length of the portion now being dealt with is 28 miles.

2. The estimate has been examined and found correct. It includes all the work that has been done since the commencement of the improvement of this line, *i.e.*, from April 1880, together with the work yet required to complete it, viz.:—

		Rs.
I.	Road—	
	Widening	9,988
	Forming and sectioning	8,085
	Metalling	1,48,620
	Catch-drain, 28 miles	2,310
	Roughstone revetment and parapets	5,607
	Blasting	16,800
	Hutting	3,000
		1,94,410
II.	Reconstructing the Pykara bridge, 12th mile	2,239
III.	Do. the culvert, 19th mile	1,880
IV.	60 Roughstone culverts for surface drainage	1,980
V.	Tools and plant	4,011
VI.	Petty supervision	10,227
VII.	Contingencies	5,253
	Total	2,20,000

3. The total allotment given from 1880-81 for this work has been Rs. 1,40,000, and the expenditure up to 31st March 1884 was expected to amount to Rs. 1,17,950.

4. The accompanying report shows in detail the works carried out up to March 1884 and those yet to be done.

5. The letter from the President, Local Fund Board, Nílgiris, to the Secretary to the Board of Revenue, and the resolution of the Local Fund Board therein alluded to are also forwarded.

Note by the Chief Engineer, Public Works Department.

The Superintending Engineer, IV Circle, submits, with the above letter, estimates, amounting to Rs. 2,20,000, for improving and metalling the road from the municipal limits of Ootacamund towards Gúdalúr, a length of 28 miles. The road forms a portion of the main trunk line from Mettupálaiyam, the charge of which will, under G.O., No. 1111 W-A., dated 3rd May 1884, be assumed by the Public Works Department from the 1st April 1885.

2. Large grants from Provincial funds have already been made for the work, the total expenditure therefrom, up to the 31st March 1884, being stated at Rs. 1,17,950; while a further grant of Rs. 50,000 is provided in the Provincial budget for expenditure by the Local Fund Board during the current official year. The estimates now submitted include previous outlay.

3. The estimates provide for widening the road, where practicable, to a breadth of 18 feet and metalling the whole length to a width of 12 feet, the depth of metal for the first 20 miles being six inches and for the remaining 8 miles four inches. Revetments and culverts are to be provided, where necessary; the Pykara bridge and a small bridge in the 19th mile reconstructed; and the drainage arrangements completed.

4. The Chief Engineer is of opinion that the provision of only four inches of metal for the last 8 miles is insufficient on a road of this character, even though the soil along this section is said to be of "a firmer and harder nature" than along the first 20 miles. He would propose six inches being laid in the first instance, notwithstanding the larger outlay involved.

5. The cross sections show most of the sides of cuttings and side-cuttings to be *vertical*. Whether this is feasible, more especially in soil said to be "very friable and very porous," is open to doubt. On such a section as that numbered 145 on the 16th mile, the vertical scarp 20 feet high, with a steep hillside above, will be dangerous to the work-people who will have to form it, and afterwards to the traffic. Such sides are liable to be undercut or undermined sooner or later. It is to be noted that the road was wrecked in many places in 1882-83. This is not to be wondered at, having in view the perfectly vertical sides and the catch-drains of such small capacity as that allowed ($2\frac{1}{4}' \times 1\frac{1}{2}'$) and cut in many places much too near the scarp edge. The specification no doubt provides that the catch-drains be distant from the edge not less than 15 feet, but the sections show them much nearer. On hillsides it is better to dispense with catch-drains altogether than have them too small and too near the edges of scarps.

6. Side-drains are not shown on the sections, nor are they estimated for. It is presumed that they will be cut from the allowance for formation, or from the annual maintenance grants.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Chief Engineer, P.W.D.

1285/2

Order—dated 23rd May 1884, No. 1285 W., Public Works.

The estimate, amounting to Rs. 2,20,000, for improving and metalling the road from Ootacamund to Gúdalúr, is sanctioned.

2. The remarks and suggestions of the Chief Engineer in the note recorded above should receive attention.

3. During the current official year the work will be continued by the Nílgiri Local Fund Board; and the unexpended balance of the estimate on the 31st March 1885 will be worked out by the agency of the Public Works Department.

4. This sanction has been registered as Provincial No. 44 W. of 1884-85, and classified as Communications, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Board of Revenue, with seven enclosures.
" Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Financial Department.

Spare Copies
Exd. E. Fernandez.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 23*rd*.

Recd. *Encl.*

G.O., 23rd May 1884, No. 1285 W.

MAY.

Road from Ootacamund to Gudalur

Estimate of Rs. 2,20,000 *for improving and metalling the* —, sanctioned with remarks.

1285/3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General Account.

No. 223.

READ—the following papers:—

From the Suptg. Engr., First Circle, dated 19th October 1882, No. 349 G.I.
" " Second " " 22nd September " " 248 "
" " Third " " 4th October " " ——.
" " Fourth " " 28th September " " 410.
" " " " " 20th October " " 445.
" " " " " 2nd " " " ——.
" " Fifth " " (Tinnevelly District) dated 29th Sept. 1882, No. ——.
" " Sixth " " (Tanjore ") " 30th " " " ——.
" " " " (Trichinopoly ") " 29th " " " ——.
" " " " (Madura ") " 17th Oct. " " ——.
" " " " dated 26th October 1882, No. 399 M.D.
" Private Secretary to the Governor, dated 18th September 1882, No. 264.
" Financial Department, dated 27th September 1882, No. 1305.
" Judicial " " 14th November " " 1830.
" Financial " " 23rd December " " 2040, Mis.
" " " " 11th " " " 1921.
" " " " 21st " " " 2202.
" Judicial " " President, Madras Municipal Commission, dated 8th September 1882, No. 652.
" Financial Department, dated 23rd December 1882, No. 2024.
Telegram from Suptg. Engr., First Circle, dated 23rd December 1882, No. ——.
Letter from " Sixth " " 27th " " " 684 T.N.
" " " " 27th " " " 1737 T.J.
Telegram from " Fourth " " 23rd " " " ——.
Office Note from Examiner, Public Works Accounts, dated 20th December 1882, No. 807.
" " " " 21st " " " 811.
" " Chief Engineer for Irrigation, dated 10th January 1883, No. 9.
Proceedings, Financial Department, dated 22nd January 1883, No. 131.

No. 224.

ORDER—dated 23rd January 1883, No. 261 W., Public Works.

In Orders in the Financial Department, No. 2040 (Miscellaneous), of the 23rd December 1882, the Accountant-General was instructed to adopt the figures given below as the Public Works Provincial Grant for 1883-84, and the Public Works Budget was originally framed for the sum thus assigned, viz.:—

	Rs.
1. For Public Works under Provincial	23,00,000
2. For Irrigation and Navigation under Provincial	5,50,000
Total ...	28,50,000

These grants have, however, now been reduced as follows :—

	Rs
1. Ordinary Public Works	21,50,000
2. Irrigation and Navigation	3,50,000
Total ...	25,00,000

2. The following distribution is made of the grant for Public Works. The grant for Irrigation and Navigation Works will appear as usual in the Irrigation Budget :—

Original Works.

	Rs.	Rs.
Civil Buildings	7,86,748	
Communications	1,14,630	
Miscellaneous Public Improvements	55,400	
Reserve at the disposal of Government including Minor Works	95,983	
		10,52,761

Repairs.

Civil Buildings	1,26,000	
Communications	37,000	
Miscellaneous Public Improvements	3,000	
		1,66,000
Establishment		8,39,457
Tools and Plant		64,282
Stock and Suspense		27,500
Total ...		21,50,000

3. The following works have not as yet been provided with duly sanctioned estimates. The special and early attention of the Superintending Engineers concerned is called to the matter. Meanwhile expenditure must be deferred on the works in question :—

Item No. 23. Deputy Tahsildar's Cutcherry at Kodaikánal.
" " 2. Town Sub-Magistrate's Cutcherry at Negapatam.
" " 36. New Court House at Calicut.
" " 43. District Jail, Kurnool.
" " 51. Out-patients' Dispensary and Mortuary at the General Hospital.
" " 69. Road from Ootacamund to Naduvatam.

4. A provision of Rs. 50,000 is made for the road from Ootacamund to Naduvatam, and the money will be formally placed at the disposal of the Local Fund Board on a definite decision being arrived at as to whether the agency of that body is to be employed in the execution of the work.

5. Works are divided into two classes, A and B. For the former specific grants are made, and the works can be put in hand if the estimates are sanctioned. No expenditure can be incurred on Class B Works, unless specific appropriations are hereafter made.

6. Early application should be submitted for the funds to meet sanctioned charges under temporary establishment. Funds required for incomplete and minor works should also be applied for by the date * laid down in Circular No. 126, dated 13th January 1883.

* 15th May.

7. With these remarks the Preliminary Issue of the Provincial Budget Estimate for 1883-84 is circulated for the information and guidance of the officers of the

department, and four copies are forwarded for the information of the Government of India.

(Here enter No. 262 W., dated 23rd January 1883.)

(True Extract.)

1285/4

Major, R.E.,
Under Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
" Financial Department.
" Judicial do.
" Revenue do.
" Board of Revenue.
" Accountant-General.
" Inspector-General of Jails.
" do. of Police.
" Consulting Architect to Government.
" Chief Engineer for Irrigation.
" General Superintendent, Public Works Stores and Workshops.
"

Exd. C. Howarth.
Spare Copies

GENERAL
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated January, 23rd.

Read. *Encl.*

G.O., 23rd Jan. 1883, No. 261 W.

JANUARY.

Nos. 223-224.

Provincial Budget Estimate for 1883-84.

Passing orders on the Preliminary Issue of the —.

1285/5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 199.

READ—the following:—

Memorandum, dated 10th February 1883, No. 303, Financial.

In G.O., No. 261 W., dated 23rd January 1883, paragraph 4, it is observed that a provision of Rs. 50,000 is made for the road from Ootacamund to Naduvatam for the ensuing year, the amount to be placed at the disposal of the Local Fund Board, should that agency be employed in the execution of the work. A similar provision has already been made in the Financial Department for Ootacamund roads. The Public Works provision is apparently for the same purpose and in addition to that made by the Financial Department, in which case the Local Fund Board, Nílgiris, would receive a contribution of Rs. 1,00,000 from Provincial for roads in 1883-84, which was certainly not intended. The matter is pointed out as the Public Works grant was reduced owing to financial pressure, and it would now seem expedient to utilise this amount for such Provincial works as the Public Works Department may think proper.

(Signed) C. G. MASTER,
Chief Secretary.

To the Public Works Department, with copy of a statement read in G.O., No. 131, dated 22nd January 1883.

No. 00.

ORDER—dated 14th February 1883, No. 492 W., Public Works.

The allotment of Rs. 50,000 made for the road from Ootacamund to Naduvatam in the Provincial Budget of 1883-84 is withdrawn and credited to the Provincial Reserve.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle.
„ Examiner, Public Works Accounts.
„ Financial Department.

Exd. A. F. Goodall.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated February, 14th.

Recd. *Encl.*

G.O., 14th Feb. 1883, No. 492 W.

FEBRUARY.

Nos. 199-200.

Funds.

Withdrawing the allotment of — made in the Provincial Budget of 1883-84 for the road from Ootacamund to Naduvatam.

1885
8

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 9th May 1883, No. 191:—

In paragraph 3 of G.O., No. 261 W., of 23rd January 1883, an estimate was required, apparently from this department, for Item No. 69 of the Provincial Budget of 1883-84, "Road from Ootacamund to Naduvatam." But as the sum of Rs. 50,000 provided in that budget for the road has since been withdrawn in G.O., No. 492 W., of 14th February 1883, and the work in question is under the charge of the Local Fund Board, Nílgiris, I have the honor to inquire whether it is still considered necessary that this department should furnish an estimate.

ORDER—dated 14th May 1883, No. 1417 W., Public Works.

The framing of the estimate will devolve on the Local Fund Board, who will carry out the work.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle.
„ Financial Department.

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras

PUBLIC WORKS.

Dated May, 14*th*.

Recd. *Encl.*

G.O., 14th May 1883, No. 1417 W.

MAY.

Road from Ootacamund to Naduvatam

The Local Fund Board to frame the estimate for — and carry out the work.

1285/7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—again the following papers:—

G.O., dated 6th June 1882, No. 1416 W., paragraph 6.
„ „ 31st July „ „ 1928 W.

ORDER—dated 3rd May 1884, No. 1111 W./A Public Works.

In paragraph 6 of the Proceedings first read above, the Government directed that the main line of communication from Mettupálaiyam to Gúdalúr should be replaced under the Public Works Department. The orders were, however, held in abeyance by G.O., No. 1928 W., dated 31st July 1882, with the remark that, should it appear desirable to Government that the work on this line might with advantage be transferred to the Public Works Department in the next official year (1883-84), timely notice would be conveyed to the Local Fund Board.

2. No action was taken for the resumption of the road during the year 1883-84; but His Excellency the Governor in Council is of opinion that the time has now arrived when the provisions of G.O., No. 1416 W., dated 6th June 1882, should be carried into effect.

3. Notice will therefore be given, in the Financial Department, to the Local Fund Boards concerned that the charge of the road in question will, from the 1st April 1885, devolve on the Public Works Department.

4. The road will also be excluded, by notification in the Financial Department, from the operation of Act IV of 1871, as provided for in section 8 of that Act.

5. To admit of the collection of tolls which will be no longer leviable under sections 62 to 68 of the Local Funds Act IV of 1871, the provisions of Government of India Act VIII of 1851, as amended by Act XV of 1864, will, in due course, be declared to be in force as regards the line of road in question.

6. The Nílgiri Local Fund Board being relieved of their liability in regard to this road, the Financial Department will consider what portion of the Provincial grant heretofore made to the circle should be withdrawn.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ Examiner, Public Works Accounts.
„ Financial Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1884 Madras.

PUBLIC WORKS.

Dated May, 3rd.

Recd. *Encl.*

G.O., 3rd May 1884, No. 1111 W., A.

MAY.

Mettupalaiyam-Gudalur Main Road

Ordering, with remarks, that the Local Fund Boards concerned be informed in the Financial Department that the charge of the — will, from 1st April 1885, be resumed by the Public Works Department.

PRELIMINARY ISSUE.

1285/86

PROVINCIAL SERVICES. **MADRAS.**
PUBLIC WORKS BUDGET-ESTIMATES.

PUBLIC WORKS DEPARTMENT.

PROVINCIAL SERVICE BUDGET-ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1883-84.

CHEPAUK,
23rd January 1883.

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

1285/9

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GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF PROVINCIAL SERVICES PUBLIC WORKS REVENUE IN MADRAS FOR THE YEAR 1883-84.

BUDGET-ESTIMATE OF THE REVENUE THAT WILL BE REALIZED BY, AND ON ACCOUNT OF, PROVINCIAL SERVICES OF THE PUBLIC WORKS DEPARTMENT IN MADRAS FOR THE YEAR FROM 1ST APRIL 1883 TO 31ST MARCH 1884.

	Budget Estimate, 1883-84.	Budget Estimate, 1882-83.	Regular Estimate, 1882-83.
	Rs.	Rs.	Rs.
Realized in the Public Works Department	2,00,000	1,53,000	1,53,000
Total ...	2,00,000	1,53,000	1,53,000

1295/80

GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF EXPENDITURE ON PUBLIC WORKS FROM PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84.

ABSTRACT OF THE ESTIMATED EXPENDITURE FOR PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR FROM 1ST APRIL 1882 TO 31ST MARCH 1883.

	Reference to Detailed Estimate.	Budget Estimate, 1883-84.	Budget Estimate, 1882-83.	Regular Estimate, 1882-83.
Original Works.	Pages	Rs.	Rs.	Rs.
Civil Buildings	6—9	8,82,731	10,96,119	11,15,878
Communications	8, 9	1,14,630	1,20,000	1,49,086
Miscellaneous Public Improvements	10, 11	55,400	82,748	85,059
	...	10,52,761	12,98,867	13,50,023
Repairs.				
Civil Buildings	16	1,26,000	97,830	1,30,090
Communications		37,000	37,053	43,873
Miscellaneous Public Improvements		3,000	2,500	8,000
	...	1,66,000	1,37,383	1,81,963
Total, Works and Repairs.				
Civil Buildings	...	10,08,731	11,93,949	12,45,968
Communications	...	1,51,630	1,57,053	1,92,959
Miscellaneous Public Improvements	...	58,400	85,248	93,659
	...	12,18,761	14,36,250	15,31,986
Establishment	17—43	8,39,457	7,59,666	5,72,583
Tools and Plant	44, 45	64,282	8,000	31,639
Stock and Suspense	46	27,500	7,300	7,300
Profit and Loss	...	...	...	...
Total ...	...	21,50,000	22,11,216	21,43,508

ABSTRACT OF THE CHARGES TO BE INCURRED BY THE PUBLIC WORKS DEPARTMENT FROM PROVINCIAL SERVICES AND CONTRIBUTIONS AS DETAILED WITHIN.

	1883-84.						Budget Estimate, 1882-83.	Regular Estimate, 1882-83.
	Original Works.	Repairs.	Establishment.	Tools and Plant.	Stock and Suspense.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Provincial Services—								
In India ...	10,52,761	1,66,000	22,76,012	57,709	27,500	35,79,982	35,60,054	34,92,346
In England ...	...	...	...	67,291	...	67,291	31,800	31,800
Total as above ...	10,52,761	1,66,000	22,76,012	1,25,000	27,500	36,47,273	35,91,854	35,24,146
Provision from Contributions—								
In India ...	...	...	14,36,555	60,718	...	14,97,273	13,80,638	13,80,638
Grand Total ...	10,52,761	1,66,000	8,39,457	64,282	27,500	21,50,000	22,11,216	21,43,508

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART I.—CLASS A WORKS.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1881-82.	Outlay. Probable during 1882-83.	Grant, 1883-84. Amount.	Grant, 1883-84. Total.	Item No.	Remarks and References.
				PROVINCIAL ORDINARY. Civil Buildings. *Original Works.*	Rs.	Rs.	Rs.	Rs.	Rs.		
Provincial Services— Imperial— 12, Administration.	Arcot, North...	Wálajápet ...	1	Taluk Cutcherry	29,800	...	14,800	15,000	...	1	G.O., No. 1563 W., of 22nd June 1881. Item No. 2, Class A Works of 1882-83 Budget.
	Arcot, South...	Manjakuppam	2	Cutcherry for Collector of South Arcot	19,770	...	...	16,470	...	2	G.O., No. 2667 W., of 3rd October 1876. Item No. 3, Class A Works of 1882-83 Budget.
	Chingleput ...	Guindy ...	3	Government House furniture charges	5,000	...	...	1,000	...	3	G.O., No. 2220, of 2nd August 1875, and No. 2153, of 17th August 1876. Items Nos. 6, 7, and 8 of 1882-83 Budget.
	Presidency ...	Mount Road...	4					3,000	...	4	
	Nilgiri ...	Ootacamund...	5					1,000	...	5	
	Godávari Eastern.	Kunnavaram...	6	Constructing office and quarters for Special Assistant Agent.	9,600	474	6,000	3,600	...	6	G.O., No. 384 W., of 11th February 1882. Item No. 9, Class A Works of 1882-83 Budget.
	Godávari Western.	Pentapad ...	7	Third-class Taluk Cutcherry	7,200	...	4,000	3,200	...	7	G.O., No. 1311 of 8th May 1875. Item No. 9, Class B Works of 1882-83 Budget.
	Do. ...	Potavaram ...	8	Do. do.	7,600	212	4,188	3,200	...	8	G.O., No. 184 of 20th December 1872. Item No. 10, Class B Works of 1882-83 Budget.
	Kistna Eastern.	Masulipatam...	9	Improvements to the Collector's Cutcherry ...	34,130	...	15,000	19,130	...	9	G.O., No. 2040, of 17th July 1875. Item No. 10, Class A Works of 1882-83 Budget.
	Salem ...	Dharmapuri...	10	Taluk Cutcherry	27,050	...	20,000	7,050	...	10	G.O., No. 3236, of 13th November 1875. Item No. 13, Class A Works of 1882-83 Budget.
	Trichinopoly...	Perambalúr ...	11	Do.	27,000	...	10,000	17,000	...	11	G.O., No. 2769 W., of 6th July 1878. Item No. 15, Class A Works of 1882-83 Budget.
	Ganjam ...	Russellkonda.	12	Converting the terraced roof of the Tahsildar's Cutcherry into a tiled one.	3,170	...	3,170	2,330	...	12	G.O., No. 272 W., of 16th Jan. 1878. Class A Works of 1882-83 Budget. Revised estimate awaited.
	Nilgiri ...	Ootacamund...	13	Government House, Ootacamund with additions and improvements.	4,02,914	3,47,441	1,33,961	60,000	...	13	G.O., No. 390 W., of 11th February 1882. Item No. 18, Class A Works of 1882-83 Budget. Suplemental estimate for improvements awaited.
	Do. ...	Do. ...	14	Additions and improvements to the Government Offices Stonehouse.	45,522	...	20,000	25,522	...	14	G.O., No. 2099 W., of 15th August 1882, and No. 2208 W., of 28th August 1882, also G.O., No. 3039 W., of 16th November 1882.
	Do. ...	Do. ...	15	Quarters for the married Clerks of the Government Secretariat.	21,914	...	15,000	7,000	...	15	G.O., No. 1936 W., of 1st August 1882.
	Tanjore ...	Kodavasal ...	16	Deputy Tahsildar's Cutcherry	9,410	...	4,000	5,410	...	16	G.O., No. 1981 W., of 10th August 1881. Item No. 22, Class B Works of 1882-83 Budget.
	Coimbatore ...	Mangalore ...	17	Additions to the Collector's Cutcherry	22,338	...	8,000	14,338	...	17	G.O., No. 71 W., of 12th January 1881. Item No. 25, Class B Works of 1882-83 Budget.
	Vizagapatam...	Párvatipur ...	18	Third-class Taluk Cutcherry	8,460	...	4,000	4,460	...	18	G.O., No. 66 W., of 12th January 1881. Item No. 24, Class B Works of 1882-83 Budget.
	Bellary ...	Harpanahalli.	19	Taluk Cutcherry	26,715	1,086	...	15,000	...	19	G.O., No. 3529 of 15th December 1874. Item No. 2, Class A Works of 1882-83 Budget.
	Do. ...	Adóni ...	20	Do.	31,680	...	...	15,000	...	20	G.O., No. 59 of 7th July 1875. Item No. 3, Class B Works of 1882-83 Budget.
	Madura ...	Kodaikanal ...	21	Deputy Tahsildar's Cutcherry	...	...	5,000	14,100	... 2,52,810	21	Estimate awaited.
13, Minor Department.	Architect (Consulting.)	Madras ...	22	Providing additional accommodation to the Government Central Museum.	11,615	...	5,000	6,615	6,615	22	G.O., No. 2378, W., 14th September 1882.
14, Law and Justice.	Madura ...	Tiruvadani ...	23	Sub-Magistrate's Cutcherry	10,550	...	6,550	4,000	...	23	G.O., No. 2915 W., of 20th November 1879. Item No. 21, Class A Works of 1882-83 Budget.
	Negapatam ...	Arantángi ...	24	Do. do.	10,300	...	5,000	5,300	...	24	G.O., No. 3010 W., of 14th November 1882. Item No. 38, Class B Works of 1882-83 Budget.
	Godavári Eastern.	Rajahmundry.	25	New Court House	33,200	...	...	10,000	...	25	G.O., No. 582 W., of 4th February 1878. Item No. 30, Class B Works of 1882-83 Budget.
				Carried over ...	...	...	...	19,300	2,59,425		

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

MADRAS.

1285/12

PART I.—CLASS A WORKS—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84—*continued*.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1880-81.	Outlay. Probable during 1882-83.	Grant, 1883-84. Amount.	Grant, 1883-84. Total.	Item No.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. 19,300	Rs. 2,59,425		
				PROVINCIAL ORDINARY—*cont.*							
				Civil Buildings—*cont.*							
				Original Works—cont.							
Provincial Services—*cont.*	Cuddapah ...	Cuddapah ...	26	Additions and alterations to the District Munsif's Court House.	7,780	...	...	7,780	...	26	G.O., No. 1398 W., of 10th May 1879. Item No. 29, Class B Works of 1882-83 Budget.
Imperial—*cont.* 14, Law and Justice—*cont.*	Tanjore ...	Tiruvadi ...	27	District Munsif's Court	11,900	...	7,900	4,000	...	27	G.O., No. 3165 of 6th November 1875. Item No. 25, Class A Works of 1882-83 Budget.
	Trichinopoly...	Ariyalúr ...	28	Do. do.	13,800	...	10,000	3,800	...	28	G.O., No. 2121 W., of 21st August 1881. Item No. 26, Class A Works of 1882-83 Budget.
	Do. ...	Kulitalai ...	29	Do. do.	16,100	...	5,000	11,100	...	29	G.O., No. 2848 W., dated 20th October 1882.
	Kistna Western.	Bápatla ...	30	Do. do.	12,620	...	6,140	6,480	...	30	G.O., No. 1492 W., of 15th June 1882. Item No. 35, Class B Works of 1882-83 Budget.
	Do. ...	Negapatam ...	31	Town Sub-Magistrate	...	...	...	5,000	...	31	Estimate awaited.
	Nellore ...	Kotah ...	32	Sub-Magistrate's Cutcherry	14,750	...	5,650	9,100	...	32	G.O., No. 366 of 2nd February 1877.
	Do. ...	Darsi ...	33	Improvements to the Sub-Magistrate's Cutcherry ...	9,180	...	...	6,000	...	33	G.O., No. 222 of 20th August 1874. Item No. 40, Class B Works of 1882-83 Budget.
	Coimbatore ..	Coondapoor ...	34	District Munsif's Court	9,800	...	5,000	4,800	...	34	G.O., No. 2068 W., of 8th August 1879. Item No. 42, Class B Works of 1882-83 Budget.
	Do. ...	Tellicherry ...	35	Do. do.	13,200	...	10,000	3,200	...	35	G.O., No. 1570 W., of 23rd June 1881. Item No. 43, Class B Works of 1882-83 Budget.
	Do. ...	Calicut ...	36	New Court-house	...	...	...	50,000	...	36	Estimate awaited. Item No. 27, Class A Works of 1882-83 Budget.
	Do. ...	Puthur ...	37	District Munsif's Court	14,700	...	7,000	7,700	...	37	G.O., No. 1050 W., of 23rd April 1881. Item No. 44, Class B Works of 1882-83 Budget.
	Do. ...	Kóttaparamba.	38	Sub-Magistrate's Cutcherry	15,085	...	...	15,085	...	38	G.O., No. 1021 of 26th March 1877. Item No. 45, Class B Works of 1882-83 Budget.
	Tinnevelly ...	Virudupati ...	39	Do. do.	7,300	...	2,300	5,000	...	39	G.O., No. 3376 of 1st December 1874. Item No. 41, Class B Works of 1882-83 Budget.
	Kistna Eastern.	Masulipatam...	40	Purchase and improvement of house at Masulipatam for a residence for the District Judge.	...	...	...	11,000		40	Estimate awaited.
Provincial—16, Jails.	Tanjore ...	Tanjore ...	41	District Jail	2,11,100	2,530	7,500	1,00,000	1,69,345 ...	41	G.O., No. 3059 W., dated 20th November 1882. Item No. 31, Class A Works of 1882-83 Budget.
	Tinnevelly ...	Palamcottah...	42	New Jail	2,08,000	94,558	40,000	40,000	...	42	G.O., No. 1123 W., of 3rd May 1882. Item No. 32, Class A Works of 1882-83 Budget.
	Kurnool ...	Kurnool ...	43	District Jail	...	...	...	30,000	...	43	Estimate awaited. Item No. 48, Class B Works of 1882-83 Budget.
	Madura ...	Madura ...	44	Providing accommodation for female prisoners and for a stair-case and cut-stone flooring in the District Jail.	11,308	...	9,495	1,813	1,71,813	44	G.O., No. 1320 W., of 29th May 1882.
17, Police ...	Bellary ...	Kampli ...	45	Constructing eight Police huts	2,590	...	...	2,590	...	45	G.O., No. 2490 W., of 25th September 1882.
	Vizagapatam...	Jeypore ...	46	Constructing a new house and office for the Assistant Superintendent of Police.	10,000	...	4,000	6,000	...	46	G.O., No. 1260 W., dated 17th May 1882.
	...	...	47	Grant for Police works costing above Rs. 1,000 and below Rs. 2,500 each.	...	...	...	*10,000	18,590	47	* A list of works on which this amount is to be spent will be submitted by the Inspector-General of Police.
				Carried over ...	...	...	...	...	6,19,173		

GOVERNMENT

PART I.—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1881-82.	Outlay. Probable during 1882-83.	Grant, 1883-84. Amount.	Grant, 1883-84. Total.	Item No.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. 6,19,173		
				PROVINCIAL ORDINARY—*cont.*							
				Civil Buildings—*cont.*							
				Original Works—cont.							
Provincial Services—*cont.*	Consulting Architect.	Madras ...	48	Medical School at the Monegar Choultry	22,742	15,086	5,792	6,660	...	48	G.O., No. 2651 W., of 12th October 1882. Item No. 37, Class A Works of 1882-83 Budget.
Provincial—*cont.* 19, Medical.	Presidency ...	Do. ...	49	Laboratory of the Government Chemical Examiner.	23,900	...	5,000	17,900	...	49	G.O., No. 89 W., dated 10th January 1883.
	Do. ...	Chintadrepett.	50	Compound wall to the Women and Children's Hospital	6,110	...	...	6,110	...	50	G.O., N. 2291 W., of 6th September 1882.
	Do. ..	Madras ...	51	Out-patients' Dispensary and Mortuary at the General Hospital.	...	...	...	21,070	...	51	Estimate awaited.
									51,740		
20, Miscellaneous.	Madura ...	Madura ...	52	Preservation of Tirumal Naick's Palace and adaptation for Public Offices.	1,64,723	1,52,018	50,000	30,000	...	52	G.O., No. 2386, of 23rd August 1874. " " 1587, of 5th June 1875. " " 3204, of 9th November 1875. " " 3313, of 19th November 1875. " " 1211 W., of 23rd April 1879. " " 991 W., of 21st April 1880. " " 2362 W., of 14th October 1880. " " 2639 W., of 19th November 1880. " " 944 W., of 8th April 1881. " " 2082 W., of 14th August 1882. Item No. 43, Class A Works of 1882-83 Budget.
	Arcot, South ..	Cuddalore ...	53	District Registrar's Office	4,200	...	...	4,200	...	53	G.O., No. 1777 W., of 13th July 1882.
	Bellary ...	Bellary ...	54	Do. do.	4,285	...	...	4,285	...	54	" " 2680 W., of 14th October 1882.
	Coimbatore ...	Beltangadi ...	55	Sub-Registrar's Office	2,970	...	...	2,970	...	55	" " 2292 W., of 6th September 1882.
	Do. ...	Pyoli ...	56	Do. do.	2,520	...	...	2,520	...	56	" " " " " "
	Do. ...	Collegal ...	57	Do. do.	2,630	...	...	2,630	...	57	" " 1790 W., of 14th July 1882.
	Do. ...	Coondapoor ...	58	Do. do.	3,160	...	2,000	1,160	...	58	" " 2587 W., of 4th October 1882.
	Nilgiri ...	Gúdalúr ...	59	Do. do.	4,833	...	...	4,833	...	59	" " 2292 W., of 6th September 1882.
	Trichinopoly...	Turaiyúr ...	60	Do. do.	2,675	...	...	2,675	...	60	" " 2466 W., of 22nd September 1882.
	Do. ...	Jayankondcholapuram.	61	Do. do.	2,650	...	...	2,650	...	61	" " " " " "
	...	...	62	Reserve with Government for Registration Offices.	...	...	...	22,077	...	62	
	Presidency ...	Chepauk ...	63	Alterations and Improvements to the Public Works Offices	54,818	...	20,000	30,000	...	63	(G.O., No. 130 W., of 12th January 1883).
	Tanjore ...	Tanjore ...	64	Divisional Office	10,835	...	5,000	5,835	1,15,835	64	G.O., No. 2822 W., of 14th November 1881. Item No. 53, Class B Works of 1882-83 Budget.
	...	...	65	Grant for Minor Works and Reserve with Government.	...	...	...	...	95,983	65	
				Total Civil Buildings ...	...	...	...	...	8,82,731		
				Communications.							
				Original Works.							
Metalled and Bridged Roads.	Madura ...	...	66	Completion of the road from Cumbum to the foot of the Gódalúr Ghât.	72,148	5,701	13,180	20,000	...	66	G.O., No. 153 W., of 18th January 1882. Item No. 47, Class A Works of 1882-83 Budget.
	Nilgiri ...	...	67	Road from Ootacamund to Naduvatam, 18 miles at Rs 4,000 per mile.	...	...	...	50,000	...	67	Estimate awaited. G.O., No. 1461 W., of 6th June 1882.
	Vizagapatam.	Jeypore ...	68	New Potingby Ghât	1,80,400	1,62,170	1,25,000	44,630	...	68	G.O., No. 1803 of 18th July 1876. Item No. 53, Class A Works of 1882-83 Budget. Revised Estimate awaited.
				Total Communications ...	...	...	...	..	1,14,630		
				Carried over ...	...	...	...	...	9,97,361		

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OF MADRAS.

A WORKS—continued.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84—*continued.*

GOVERNMENT OF MADRAS.

PART I.—CLASS A WORKS—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84—*continued*.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1881-82.	Outlay. Probable during 1882-83.	Grant, 1883-84. Amount.	Grant, 1883-84. Total.	Item No.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...	Rs. 9,97,361		
				PROVINCIAL ORDINARY—*cont.*							
				Miscellaneous Public Improvements.							
Sewage including Drainage. Paving and Streets.	Nilgiri ...	Nilgiri ...	69	Bazaar Drainage Scheme	...	...	40,000	40,000		69	Estimate awaited. G.O., No. 1667 W., of 3rd July 1882.
	Presidency ...	Madras ...	70	South Beach promenade	45,400	...	35,000	10,400		70	G.O., No. 1700 W., dated 6th July 1882.
	Do. ...	Do. ...	71	Alteration of the roads and replanting Chepauk grounds.	...	...	...	5,000		71	Estimate awaited.
				Total, Miscellaneous Public Improvements ...	...	...	...	...	55,400		
				Total, Original Works ...	...	...	...	...	10,52,761		

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART I.—CLASS B WORKS.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1881-82.	Outlay. Probable during 1882-83.	Amount applied for, 1883-84. Amount.	Amount applied for, 1883-84. Total.	Item No.	Remarks and References.
				PROVINCIAL ORDINARY.							
				CIVIL BUILDINGS.							
				Original Works.							
					Rs.	Rs.	Rs.	Rs.	Rs.		
Provincial Services— Imperial— 12, Administration.	Bellary ...	Gooty ...	1	Improvements to Sub-Collector's Cutcherry ...	3,950	...	...	...		1	G.O., No. 2900, of 10th October 1874. Item No. 1, of Class B Works of 1882-83 Budget.
	Do. ...	Bukkapatnam	2	Second-class Taluk Cutcherry	17,600	...	...	10,000		2	G.O., No. 29, of 3rd February 1876. Item No. 4 of 1882-83 Budget.
	Do. ...	Rayadrug ...	3	Verandah to Taluk Cutcherry	3,490	...	...	3,490		3	G.O., No. 4001 W., of 14th October 1878. Item No. 5, Class B Works of 1882-83 Budget.
	Coimbatore ...	Pollâchi ...	4	Residence for the Head Assistant Collector ...	10,580	...	...	10,580		4	G.O., No. 4761 W., of 14th December 1878. Item No. 6, Class B Works of 1882-83 Budget.
	Cuddapah ...	Madanapalle.	5	Sub-Collector's Cutcherry	14,895	...	...	8,000		5	G.O., No. 2137 W., of 13th May 1878. Item No. 7, Class B Works of 1882-83 Budget.
	Do. ...	Pulivendla ...	6	Taluk Cutcherry	22,150	...	...	12,000		6	G.O., No. 2744 W., of 7th November 1881.
	Ganjam ...	Berhampore ...	7	Senior Assistant Collector's Cutcherry	5,340	...	...	5,340		7	G.O., No. 2541 W., of 8th October 1879. Item No. 8, Class B Works of 1882-83 Budget.
	Godávari Eastern.	Cocanada ...	8	Additions to the Collector's Cutcherry	31,870	12,345	...	10,000		8	G.O., No. 106, of 14th July 1875, and No. 2363 W., of 1st June 1878. Item No. 11, Class B Works of 1882-83 Budget.
	Presidency ...	Mount Road...	9	Permanent inundate roof to the Banquetting wall Government House.	...	...	...	...		9	Estimate awaited. Item No. 2 Class A Works of 1882-83 Budget,
	Godávari Western.	Narsápur ...	10	Taluk Cutcherry	22,900	...	...	10,000		10	G.O., No. 3563, of 20th December 1875. Item No. 12, Class B Works of 1882-83 Budget.
	Do. ...	Tanuku ...	11	Do.	21,420	...	...	10,000		11	G.O., No. 3563, of 20th December 1875. Item No. 13, Class B Works of 1882-83 Budget.
	Do. ...	Bhímavaram...	12	Do.	22,650	...	...	...		12	G.O., No. 3563, of 20th December 1875. Item No. 14, Class B Works of 1882-83 Budget.
	Kistna Eastern.	Avanigada ...	13	Deputy Tahsildar's Cutcherry	9,420	...	...	...		13	G.O., No. 193, of 15th April 1875. Item No. 15, Class B Works of 1882-83 Budget.
	Kurnool ...	Nandikótkur...	14	Improving old Cutcherry and completing out-houses	10,000*	...	...	10,000		14	G.O., No. 3454, of 16th August 1876. Item No. 16, Class B Works of 1882-83 Budget.
	Madura ...	Nilacotta ...	15	Deputy Tahsildar's Cutcherry	11,828	...	...	11,828		15	G.O., No. 515 W., of 1st February 1878. Item No. 17, Class B Works of 1882-83 Budget.
	Do. ...	Oothamapolliem.	16	Do. do.	11,993	...	...	11,993		16	G.O., No. 515 W., of 1st February 1878. Item No. 18, Class B Works of 1882-83 Budget.
	Do. ...	Vedasendúr ...	17	Do. do.	11,828	...	...	11,828		17	G.O., No. 515 W., of 1st February 1878. Item No. 19, Class B Works of 1882-83 Budget.
	Negapatam ...	Negapatam ...	18	Sub-Collector's Cutcherry	11,560	...	...	5,000		18	G.O., No. 1022, of 26th March 1877. Item No. 20, Class B Works of 1882-83 Budget.
	Tinnevelly ...	Shermádevi ...	19	Head Assistant Collector's Office	10,275	...	...	10,275		19	G.O., No. 1353 W., of 12th May 1879. Item No. 23, Class B Works of 1882-83 Budget.
	Trichinopoly.	Trichinopoly.	20	Constructing a treasury room in the Collector's Cutcherry.	...	...	...	3,760		20	Estimate awaited.
	Tanjore ...	Máyavaram ...	21	Deputy Collector's Cutcherry	4,500	...	...	4,500	1,48,594	21	G.O., No. 701 W., of 18th March 1880. Item No. 14, Class A Works of 1882-83 Budget.
13, Minor Department.	Presidency ...	Madras ...	22	Providing Lightning Conductors to the Government Central Museum.	2,850	...	...	2,850		22	G.O., No. 1946 W., of 8th August 1881. Item No. 76, Class B Works of 1882-83 Budget.
14, Law and Justice.	Bellary ...	Siruguppa ..	23	Sub-Magistrate's Cutcherry	12,680	...	...	7,000	2,850	23	G.O., No. 22 W., of 6th January 1879. Item No. 27, Class B Works of 1882-83 Budget.
	Chingleput ...	Tiruvallúr ...	24	Additions to the District Munsif's Court	5,560	...	...	5,560		24	G.O., No. 2153 W., of 31st Aug. 1881. Item No. 28, Class B Works of 1882-83 Budget.
				Carried over ...	...	...	...	12,560	1,51,444		

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART I.—CLASS B WORKS—cont.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84—*continued*.

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1881-82.	Outlay. Probable during 1882-83.	Amount applied for, 1883-84. Amount.	Amount applied for, 1883-84. Total.	Item No.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. 12,560	Rs. 1,51,444		
				PROVINCIAL ORDINARY—*cont.*							
				CIVIL BUILDINGS—*cont.*							
				Original Works—cont.							
Provincial Services—*cont.* Imperial—*cont.* 14, Law and Justice—*cont.*	Godávari Eastern.	Peddapuram ..	27	District Munsif's Court	10,300	...	...	10,300	...	27	G.O., No. 778 W., of 25th September 1877. Item No. 31, Class B Works of 1882-83 Budget.
	Do. ...	Tuni ...	28	Sub-Magistrate's Cutcherry	7,500	...	...	5,000	...	28	G.O., No. 1214 W., of 8th May 1877. Item No. 32, Class B Works of 1882-83 Budget.
	Do. ...	Pithapuram ...	29	Do.	7,040	...	...	5,000	...	29	G.O., No. 1214 W., of 8th May 1877. Item No. 33, Class B Works of 1882-83 Budget.
	Do. ...	Rahitapúram.	30	Do.	7,400	...	...	5,000	...	30	G.O., No. 1311 of 8th May 1875. Item No. 34, Class B Works of 1882-83 Budget.
	Kurnool ...	Owk	31	Do.	14,100	...	...	8,000	...	31	G.O. No. 2254 W., of 22nd May 1878. Item No. 36, Class B Works of 1882-83 Budget.
	Do. ...	Pyapali ...	32	Do.	11,802	...	...	6,000	... 51,860	32	G.O., No. 2254 W., of 22nd May 1878. Item No. 37, Class B Works of 1882-83 Budget.
Provincial—16, Jails	Bellary ...	Allúr ...	33	Subsidiary Jail	10,770	...	...	6,000	...	33	G.O., No. 2143 W., of 13th May 1878. Item No. 46, Class B Works of 1882-83 Budget.
	Ganjam ...	Berhampore ...	34	Do.	2,730	...	...	2,730	...	34	G.O., No. 2541 W., of 8th October 1879. Item No. 47, Class B Works of 1882-83 Budget.
	Trichinopoly...	Trichinopoly.	35	District Jail	...	...	...	20,000	...	35	Estimate awaited.
	Tinnevelly ...	Sankaranainárkoil.	36	Adding Subsidiary Jail and out-houses to the Taluk Cutcherry.	3,900	...	...	3,900	...	36	G.O., No. 1907 W., of 19th July 1879. Item No. 49, Class B Works of 1882-83 Budget.
	Trichinopoly...	Trichinopoly.	37	Additions and alterations to the Central Jail ...	19,270	12,700	...	...	... 32,630	37	G.O., No. 166 W., of 12th January 1878. Item No. 50, Class B Works of 1882-83 Budget.
Police ...	Nílgiri ...	Manantoddy...	38	Police Station-house	...	...	...	5,000	...	38	Estimate awaited.
	Presidency ...	Madras ...	39	Constructing Marine Police Office	...	...	...	3,500	...	39	Do.
	Do. ...	Do. ...	40	General Hospital, Civil portion, water-supply to —	...	...	...	3,400	... 11,900	40	Do.
19, Medical ...	Godávari Eastern.	Bhadráchalam.	41	Constructing a Dispensary	3,696	...	...	3,696	...	41	G.O., No. 4514 W., of 26th November 1878. Item No. 55, Class B Works of 1882-83 Budget.
	Presidency ...	Ráyapuram ...	42	Additions and improvements to the Leper Hospital.	...	...	...	17,030	... 20,726	42	Estimate awaited.
20, Miscellaneous	Ganjam ...	Berhampore ...	43	Executive Engineer's office with accommodation for sub-division office and stores.	...	...	...	3,000	...	43	Estimate awaited.
	Presidency ...	Ráyapuram ...	44	Prolonging tramway from the Grand Jail to the site of new Workshops at the Seven Wells.	5,250	...	...	...	...	44	G.O., No. 1870, of 11th July 1874, and No. 2311, of 9th August 1875. Item No. 52, Class B Works of 1882-83 Budget.
	Trichinopoly...	Kulitalai ...	45	Additions for Sub-Registrar's Office in the Taluk Cutcherry.	...	...	...	2,000	...	45	Estimate awaited.
	Do. ...	Srírangam ...	46	Sub-Registrar's Office	...	...	...	2,500	...	46	Do.
	South Arcot ...	Cuddalore ...	47	Constructing Registrar's office	4,200	...	...	4,200	... 11,700	47	G.O., No. 1777 W., of 13th July 1882.
				Total, Civil Buildings ...	..	...	...	...	2,80,260		
				COMMUNICATIONS.							
				Original Works.							
Metalled and Bridged Roads.	Madura ...	Madura ...	48	Chattram at the head of the Gúdalúr Ghât ...	4,000	...	...	4,000	...	48	G.O., No. 1410, of 12th April 1877. Item No. 55, Class B Works of 1882-83 Budget.
				Total, Communications ...	...	...	...	...	4,000		

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS TO PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84.

Head of Classification.	Division.	Locality.	Items.	Estimate, 1883-84. Amount.	Estimate, 1883-84. Total.	Estimate, 1882-83. Amount.	Estimate, 1882-83. Total.
			Civil Buildings.	Rs.	Rs.	Rs.	Rs.
	Ganjam ...	...	Annual Repairs	4,700		300	
	Vizagapatam.	...	Do.	1,000		700	
	Godávari Eastern.	...	Do.	500		500	
	Do. Western..	...	Do.	300		100	
	Kistna Eastern	...	Do.	2,000		2,000	
	Do. Western.	...	Do.	400		400	
	Nellore ...	...	Do.	5,000		5,000	
	Bellary ...	...	Do.	3,000		1,000	
	Cuddapah ...	...	Do.	2,000		1,000	
	Kurnool ...	...	Do.	1,000		1,000	
	Nilgiri ...	...	Do.	5,000		...	
	West Coast ...	...	Do.	...		2,000	
	Coimbatore ...	...	Do.	3,500		1,500	
	Salem ...	...	Do.	4,000		6,000	
	North Arcot...	...	Do.	1,000		1,000	
	South do. ...	...	Do.	1,500		1,580	
	Chingleput ...	...	Do.	6,000		6,000	
	Presidency ...	...	Do.	53,790		40,000	
	Trichinopoly.	...	Do.	700		700	
	Tanjore ...	...	Do.	26,810		24,250	
	Negapatam ..	...	Do.	200		200	
	Tinnevelly ...	...	Do.	500		500	
	Madura ...	...	Do.	100		100	
	Consg. Architect to Govt.	...	Do.	3,000		2,000	
			Total, Civil Buildings.	...	1,26,000	...	97,830
			Communications.				
	Ganjam ...	...	Annual Repairs	1,600		1,600	
	Vizagapatam.	...	Do.	2,000		2,000	
	Godávari Eastern.	...	Do.	15,000		15,000	
	Presidency ...	...	Do.	18,400		18,453	
			Total, Communications.	...	37,000	...	37,053
			Miscellaneous Public Improvements.				
	Consg. Architect to Govt.	...	Annual Repairs ..	...		500	
	Presidency ...	...	Do.	3,000		2,000	
			Total, Miscellaneous Public Improvements.	...	3,000	...	2,500
			Grand Total ...	...	1,66,000	...	1,37,383

Includes Rs. 20,000 for Special Repairs and Rs. 4,000 for Annual Repairs to Tanjore Palace.

Includes Rs. 20,000 for Special Repairs and Rs. 4,206 for Annual Repairs to the Tanjore Palace; also Rs. 2,354 for Special Repairs to Tiruvadeyaradur Palace.

GOVERNMENT OF MADRAS.

1285/17

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1883-84.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH.						
		Engineer Establishment.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, and Buildings and Roads Branch.	2,500					
		Net Military pay proper of a Colonel, R.E.	304⅛		2,804			
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000					
		Net Military pay proper of a Colonel, R.E.	304⅛		2,304			
					5,108			
2	2	Total, Chief Engineers ...	...		61,296	———	61,296	
		Superintending Engineers.						
3	3	Superintending Engineer, 1st Class.	1,600	4,800				
2	3*	Superintending Engineer, 2nd Class.	1,350	3,375				* Includes a Special Officer for Investigations connected with the Tank Maintenance Scheme for six months.
2	2	Superintending Engineer, 3rd Class.	1,100	2,200				
		Difference between the consolidated salary of a Superintending Engineer, 1st Class, and that of Colonel J. H. M. Shaw-Stewart, R.E., who holds the personal rank of a Chief Engineer, 3rd Class.	...	200				
		Military pay and allowances.	...	1,575				
7	8	Total, Superintending Engineers.	...	12,150	1,45,800	———	1,34,784	
		Executive Engineers.						
10	11†	Executive Engineer, 1st Grade.	950	10,450				† Includes a Special Officer for the Tank Maintenance Scheme.
11	12‡	Executive Engineer, 2nd Grade.	800	9,600				‡ Includes a Special Assistant to the Chief Engineer for Irrigation for Tank Maintenance.
11	11	Executive Engineer, 3rd Grade.	650	7,150				
32	34	Carried over ...	...	27,200	2,07,096	...	1,96,080	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
32	34	Brought forward ...	...	27,200	2,07,096	...	1,96,080	
		EXECUTIVE BRANCH —*cont.*						
		ENGINEER ESTABLISHMENT —*cont.*						
		Executive Engineers—cont.						
4	4	Executive Engineer, 4th Grade.	550	2,200				
		Difference between the pay of an Executive Engineer, 1st Grade, and Consulting Architect to Government.	...	250				
		Military pay and allowances.	...	5,284				
36	38	Total, Executive Engineers.	...	34,934	4,19,208	...	3,74,568	
		Assistant Engineers.						
27	28*	Assistant Engineer, 1st Grade.	450	12,600				*Includes two Special Officers for the Tank Maintenance Scheme.
20	21*	Assistant Engineer, 2nd and 3rd Grade.	350 & 250 (19 / 2)	7,150				
		Military pay and allowances.	...	800				
47	49	Total, Assistant Engineers.	...	20,550	2,46,600	...	2,33,244	
92	97	Total, Engineer Establishment.	...	...	...	8,72,904	8,03,892	
		Deduct—						
		The pay of Consulting Engineer for Railways and his two Deputies, chargeable to Railway Imperial ($4,224\frac{1}{2} \times 12$) = 50,694						
		Moiety of the pay and allowances of General Superintendent, Public Works Workshops, chargeable to Workshops (225×12) = 2,700						
		Total for a year ... 53,394	...	...	...	53,394	54,714	
92	97	Net Total, Engineer Establishment.	...	...	...	8,19,510	7,49,178	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		UPPER SUBORDINATE ESTABLISHMENT.						
		Sub-Engineers.						
9	9	Sub-Engineer, 1st Grade ...	400	3,600				
9	9	Do. 2nd ,, ...	300	2,700				
17	18*	Do. 3rd ,, ...	250	4,500				
		Military pay and allowances.	...	435				* Includes one for Tank Maintenance Scheme.
35	36	Total, Sub-Engineers ...	...	11,235	1,34,820	...	1,31,220	
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	37*	Do. 2nd Grade ...	150	5,550				
...	...	Military pay and allowances.	...	80				
58	59	Total, Supervisors ...	...	10,030	1,20,360	...	1,18,380	
		Overseers.						
28	29*	Overseers, 1st Grade ...	100	2,900				
28	29*	Do. 2nd ,, ...	80	2,320				
36	38†	Do. 3rd ,, ...	60	2,280				† Includes two for Tank Maintenance Scheme.
...	...	Military pay and allowances.	...	780				
92	96	Total, Overseers ...	...	8,280	99,360	...	92,376	
		Apprentices.						
...	5	Apprentice Supervisors ...	90	450				
...	5	Military Apprentice Overseers, 1st Grade.	80	400				
...	3	Apprentice Overseers, 2nd Grade.	60	180				
...	2	Do. 3rd Grade ...	40	80				
		Additional remuneration for two Apprentice Instructors.	50	100				
...	15	Total, Apprentices ...	...	1,210	14,520			
		Sub-divisional allowance for twenty Upper Subordinates.	30	600	7,200	...	3,600	
185	206	Carried over ...	...	...	3,76,260	...	3,45,576	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
185	206	Brought forward ...	...	...	3,76,260	...	3,45,576	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment—*cont.*						
		Surveyors.						
4	5*	Surveyors	200	1,000				
4	5*	Do.	150	750				
4	5*	Do.	100	500				
4	5*	Do.	80	400				
16	20	Total, Surveyors ...	...	2,650	31,800	...	25,440	
201	226	Total, Upper Subordinate Establishment.	...	...	4,08,060		3,71,016	* One for Tank Maintenance Scheme.
		Deduct—						
		The pay and allowances of a Sub-Engineer, 3rd Grade, two Supervisors, 2nd Grade, one of whom is a Sub-Conductor, and one Overseer, 2nd Grade, chargeable to Public Works Workshops (250 + 180 + 150 + 80) = 660.	...	...	7,920		5,760	
201	226	Net Total, Upper Subordinate Establishment.	...	...	...	4,00,140	3,65,256	
		Lower Subordinate Establishment.						
2	8	Sub-Overseers, 1st Grade ...	60	240				
...	8	Do. 2nd „ ...	40	160				
6	8	Do. 3rd „ ...	30	120				Provision made for only half the year.
8	24	Total, Lower Subordinate Establishment.	...	520	6,240	6,240	2,880	
		Petty Establishment.						
		Storekeepers.						
4	5	Storekeepers	30	150				
7	8	Do.	25	200				
8	6	Do.	20	120				
7	7	Do.	15	105				
26	26	Total, Storekeepers ...		575				

GOVERNMENT OF MADRAS.

1285/19

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Petty Establishment —*cont.*		575				
...	10	For Kurnool Canal Division, (*Vide* Office Note from the Secretary to Government, Public Works Department, No. 1481 D, dated 12th December 1882.)	...	199				
26	36		...	774	9,288	...	6,720	
		Medical Establishment.						
1	...	Assistant Apothecary ...	...	...				
4	6	Hospital Assistants ...	25,55 & 60	275				
		Jeypore allowance for one ..	...	25				
		Potingy Ghât „ ...	...	12½				
		Charge allowance for two, 1 at 15 and the other at 10.	...	25				
9	4	Hospital Servants and Sweeper, 1 at 7, 2 at 6, 1 at 4.	...	23				
		Potingy Ghât allowance for two.	...	6				
14	9	Total, Medical Establishment.	...	366½				
...	4	Kurnool Canal Division, (*Vide* Office Note from the Secretary to Government, Public Works Department, No. 1481 D, dated 12th December 1882.)	...	110				
14	13			476½	5,718	...	3,240	
		Maistries.						
1	1	Maistry	40	40				
...	24	Maistries, 1st grade }	...	25	300			
...	24	Do. 2nd „ } *	...	20	240			* Provision made only half the year.
...	24	Do. 3rd „ }	...	15	180			
1	73	Total, Maistries ...	...	760	9,120	...	480	
...	11	Signallers for Kurnool Canal Division, (*Vide* Office Note from Secretary to Government, Public Works Department, No. 1481 D, dated 12th December 1882.)	...	275	3,300			
		Carried over ...			27,426			

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...			27,427			
		EXECUTIVE BRANCH —*cont.*						
		PETTY ESTABLISHMENT —*cont.*						
		Lascars and Sweepers, &c.						
500	500	Lascars	6	3,000				
5	5	Sweepers for Presidency Division.	3 at 3 & 2 at 5	19				
505	505	Total, Lascars, &c. ...	...	3,019	36,228	...	36,228	
		Total, Petty Establishment.	...	...	...	63,654	46,668	
		OFFICE ESTABLISHMENT.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600	600				
1	1	Second do.	300	300				
...	1	Accountant, 2nd Grade ...	295	295				
1	1	Clerk, 1st Class, 3rd Grade.	225	225				
2	2	Do. 2nd „ 2nd „	140	280				
1	1	Do. 2nd „ 3rd „	110	110				
5	4	Do. 3rd „ 2nd „	70	280				
3	3	Do. 3rd „ 3rd „	55	165				
1	3	Do. 4th „ 1st „	45	135				
3	2	Do. 4th „ 2nd „	35	70				
2	2	Do. 4th „ 3rd „	25	50				
20	21		...	2,510				
...	1	Draftsman (200-250) ...	190	190				
2	2	Do. 1st Class ...	60	120				
1	1	Do. „ „ ...	42½	42½				
3	4		...	352½				
3	3	Attenders	15, 13 & 10	38				
1	1	Muchi	14	14				
2	2	Head Messengers	12 & 10	22				
7	7	Messengers	4 at 8; 3 at 7	53				
13	13		...	127				
36	38	Total, Public Works Secretariat Office Establishment.	...	2,989½	35,874	...	30,222	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		Lithographic Establishment.						
1	1	Superintendent	250	250				
1	1	Head Draftsman	120	120				
1	1	Second do.	100	...				
1	1	Third do.	80	80				
1	1	Fourth do.	60	60				
1	1	Fifth do.	40	40				
1	1	Sixth do.	30	30				
1	1	Seventh do.	25	25				
1	1	Eighth do.	20	20				
1	1	Ninth do.	15	15				
1	1	Tenth do.	10	10				
1	1	Tracer and Record-keeper.	25	25				
1	1	Do. do. ...	16	16				
1	1	Head Printer	20	20				
1	1	Second do.	12	12				
1	1	Third do.	12	12				
2	2	Pressmen	9	18				
6	6	Do.	8	48				
2	2	Do.	7	14				
2	2	Do.	5	10				
...	1	Clerk, 4th Class, 2nd Grade.	35	35				
28	28	Total, Lithographic Establishment.	...	860	10,320	...	11,100	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	225	450				
1	1	Do. 2nd „ 3rd „ ...	110	110				
2	2	Do. 3rd „ 1st „ ...	90	180				
1	1	Do. 3rd „ 2nd „ ...	70	70				
1	1	Do. 3rd „ 3rd „ ...	55	55				
2	2	Do. 4th „ 1st „ ...	45	90				
3	3	Do. 4th „ 2nd „ ..	35	105				
1	1	Do. 4th „ 3rd „ ...	25	25				
13	13		...	1,085				
1	1	Draftsman, 1st Class ...	60	60				
2	2	Do. 2nd „ ...	42½	85				
2	2	Do. 3rd „ ...	25	50				
5	5		...	195				
		Carried over ...		1,280				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...		1,280				
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch —cont.						
1	1	Reference Picker	15	15				
...	1	Do.	8	8				
1	1	Muchi	10	10				
1	1	Head Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6	12				
3	3	Lascars	7	21				
10	11		...	88				
28	29	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,368	16,416	...	16,260	
		For seven Superintending Engineers' Offices.						
...	1	Clerk, 2nd Class, 1st Grade.	150	150				
1	1	Do. 2nd „ 3rd „	110	110				
1	...	Do. 3rd „ 2nd „	...	...				
...	1	Do. 3rd „ 3rd „	55	55				
1	1	Do. 4th „ 1st „	45	45				
1	1	Do. 4th „ 2nd „	35	35				
2	2	Do. 4th „ 3rd „	25	50				
...	1	Draftsman, 80-100 ...	90	90				
1	1	Do. 1st Class ...	60	60				
1	1	Do. 2nd „ ...	42½	42½				
1	1	Messenger	8	8				
3	3	Messengers	6	18				
12	14	Total for each office ...	...	663½ 7				
72	98*	Total for seven offices ...	...	4,644½	55,734	...	31,572	
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 1st „	45	45				
2	2	Clerks, 4th „ 2nd „	35	70				
		Carried over ...		185				

* Includes office for a Special Officer for Investigation connected with the Tank Maintenance Scheme.

GOVERNMENT OF MADRAS.

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PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...						
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		For Presidency Division —cont.		185				
3	3	Clerks, 4th Class, 3rd Grade.	25	75				
2	2	Do. 5th „ 1st „	17½	35				
1	1	Cashier (Clerk, 3rd Class, 2nd Grade).	70	70				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 2nd „ ...	42½	42½				
3	3	Do. 3rd „ ...	25	75				
1	1	Messenger	7	7				
1	1	Do.	6	6				
17	17	Total, Office Establishment, Presidency Division.	...	555½	6,666	...	6,666	
		For Godávari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	2	Do. 4th „ 1st „	45	90				
1	1	Do. 4th „ 2nd „	35	35				
3	3	Do. 4th „ 3rd „	25	75				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
10	11	Total, Office Establishment, Godávari Eastern Division.	...	368	4,416	...	3,876	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 1st „	45	45				
1	1	Do. 4th „ 2nd „	35	35				
3	3	Do. 4th „ 3rd „	25	75				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	25	25				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		*For Eight First-class Divisions.**						* 1. Godávari Western. 2. Kistna Western. 3. Kurnool Canal. 4. South Arcot. 5. Buckingham Canal. 6. Tanjore. 7. Tinnevelly. 8. Coimbatore.
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 1st „	45	45				
1	1	Do. 4th „ 2nd „	35	35				
2	2	Do. 4th „ 3rd „	25	50				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
9	9		...	298				
				8				
63	72	Total for eight offices ...	...	2,384	28,608	...	25,032	
		For Seven Second-class Divisions.†						† 1. Nellore. 2. Cuddapah. 3. North Arcot. 4. Chingleput. 5. Trichinopoly. 6. Negapatam. 7. Sangam Project.
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 2nd „	35	35				
2	2	Do. 4th „ 3rd „	25	50				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	253				
				7				
73	56	Total for seven offices ...	...	1,771				
...	1	Add Cashier (Clerk, 4th Class, 1st Grade) for Sangam Project Division.	...	45				
...	57		...	1,816	21,792	...	27,864	
		For Nilgiri Division.						
...	1	Clerk, 3rd Class, 2nd Grade.	70	70				
...	1	Do. 4th „ 1st „	45	45				
...	2	Do. 4th „ 2nd „	35	70				
...	1	Draftsman, 1st Class ...	60	60				
...	1	Do. 2nd „ ...	42½	42½				
...	1	Messenger	9	9				
...	1	Do.	8	8				
...	8	Total, Office Establishment, Nilgiri Division.	...	304½	3,654	...	...	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		*For Six Third-class Divisions.**						* 1. Ganjam. 2. Vizagapatam. 3. Bellary. 4. Salem. 5. Madura. 6. Kurnool.
1	1	Clerk, 3rd Class, 3rd Grade.	55	55				
1	1	Do. 4th „ 2nd „	35	35				
2	2	Do. 4th „ 3rd „	25	50				
1	1	Draftsman, 2nd Class ...	42½	42½				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	220½				
			...	6				
48	48	Total for six offices ...	...	1,323	15,876	...	15,876	
		Office Establishment for Consulting Architect to Government.						
1	1	Clerk, 4th Class, 1st Grade.	45	45				
1	1	Draftsman and Estimator...	145	145				
1	1	Do. 2nd Class ...	42½	42½				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
6	6	Total, Office Establishment for Consulting Architect to Government.	...	270½	3,246	...	3,246	
		For Public Works Stores.						
1	1	Clerk, 2nd Class, 2nd Grade.	140	140				
1	1	Do. 3rd „ 2nd „	70	70				
1	1	Do. 4th „ 2nd „	35	35				
1	1	Do. 4th „ 3rd „	25	25				
1	1	Messenger	8	8				
2	2	Do.	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	305	3,660	...	3,660	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		Office (Toll) Establishment, Buckingham Canal.						
3	3	Clerks, 4th Class, 2nd Grade	35	105				
7	7	Do. 4th „ 3rd „	25	175				
9	9	Do. 5th „ 1st „	17½	157½				
2	2	Do. 5th „ 2nd „	12½	25				
1	1	Lascar	8	8				
22	22	Lascars	7	154				
25	25	Do.	6	150				
69	69	Total, Office (Toll) Establishment, Buckingham Canal.	...	774½	9,294	...	9,294	
		For Three Project Divisions.						
2	2	Draftsmen, 1st Class ...	60	120				
2	2	Do. 2nd „ ...	42½	85				
1	1	Clerk, 4th Class, 2nd Grade.	35	35				
1	1	Do. 5th „ 1st „	17½	17½				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each Project Division Office.	...	270½ 3				
24	24	Total for three offices ...	...	811½				
		For D Project Division.						
2	2	Draftsmen, 1st Class ...	60	120				
2	1	Do. 2nd „ ...	42½	42½				
...	1	Do. 3rd „ ...	25	25				
...	1	Clerk, 3rd Class, 3rd Grade.	55	55				
1	...	Do. 4th „ 2nd „	...	...				
1	...	Do. 5th „ 1st „	...	...				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	7	Total, Office Establishment, D Project Division.	...	255½				
32	31	Total, Office Establishment, Project Division Offices.	...	1,067	12,804	...	12,984	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment —*cont.*						
		For Fifty-five Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Messenger	6	6				
2	2	Total for each Sub-divisional office.	...	31				
110	110	Total for 55 offices ...	...	1,705	20,460	...	18,600	
		For Eighty-two Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Total for each Detached Officer.	...	25 82				
88	82	Do. for 82 officers ...	...	2,050	24,600	...	26,400	
		For Ninety-one Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	17½	17½				
1	1	Total for each Overseer ...	...	17½ 91				
92	91	Total for ninety-one Overseers.	...	1,592½	19,110	...	19,320	
		Abstract of Office Establishment.						
36	38	Public Works Department Secretariat.	...	...	35,874	...	30,222	
28	29	Lithographic Establishment	...	...	10,320	...	11,100	
28	29	Office of Chief Engineer for Irrigation.	...	...	16,416	...	16,260	
72	98	Nine Superintending Engineers' Offices.	...	...	55,734	...	31,572	
17	17	Presidency Division Office.	...	...	6,666	...	6,666	
10	11	Godávari Eastern Division Office.	...	...	4,416	...	3,876	
11	11	Kistna Eastern Division Office	...	...	4,176	...	4,176	
63	72	Eight 1st-Class Division Offices.	...	...	28,608	...	* 25,032	* For seven 1st-Class Divisions.
		Carried over ...			1,62,210			

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	1,62,210	...	...	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
73	57	Seven 2nd Class Division Offices.	...	...	21,792	...	* 27,864	* For nine 2nd Class Divisions.
...	8	Nilgiri Division Office ...	...	...	3,654	...	..	
48	48	Six 3rd Class Division Offices.	...	...	15,876	...	15,876	
6	6	Office of Consulting Architect to Government.	...	...	3,246	...	3,246	
9	9	Office Establishment, Public Works Stores.	...	...	3,660	...	3,660	
69	69	Toll Establishment, Buckingham Canal.	...	...	9,294	...	9,294	
32	31	4 Project Division Offices.	...	...	12,804	...	12,984	
100	110	55 Sub-divisional Offices ...	...	...	20,460	...	† 18,600	† For 50 Sub-divisional Officers.
88	82	82 Detached Officers ...	...	...	24,600	...	‡ 26,400	‡ For 88 Detached Officers.
92	91	91 Overseers	...	...	19,110	...	§ 19,320	§ For 92 Overseers.
782	814	Total, Office Establishment.	...	...	...	2,96,706	2,66,148	
		Irrigation (Conservancy) Establishment including that for the Kurnool Canal.						
		Godávari Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Do. Maistry	18	18				
1	1	Do. do.	15	15				
1	1	Do. do.	12	12				
3	3	Clerks	15	45				
1	1	Shroff	10	10				
5	5	Delta Superintendents ...	70	350				
10	10	Do. do. ...	55	550				
12	12	Do. do. ...	40	480				
5	5	Superintendents	8	40				
1	1	Peon	6	6				
3	3	Peons	5	15				
36	36	Lascars	6	216				
75	75	Do.	5	375				
155	155	Total, Water Regulation Establishment, Godávari Delta System.	...	2,252				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation (Conservancy) Establishment including that for the Kurnool Canal—*cont.*						
		Godávari Delta System —cont.						
		Navigation Establishment.						
1	1	Boat Superintendent ...	116	116				
2	2	Lock Superintendents ...	15	30				
15	15	Do. do. ...	12	180				
19	19	Do. do. ...	10	190				
1	1	Do. do. ...	9	9				
12	12	Do. do. ...	8	96				
135	135	Lock Lascars	6	810				
72	72	Do.	5	360				
		1 Superintendent (increase of pay to Nundamur Weir Superintendent.)	4	4				
257	257	Total, Navigation Establishment, Godávari Delta System.	...	1,795				
		Kistna Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
...	1	Assistant Do. ...	40	40				
...	1	Clerk, 5th class, 1st Grade ..	17½	17½				
...	1	Do. do. 2nd do. ...	12½	12½				
...	1	Delta Superintendents ...	70	210				
3	3	Do. ...	55	165				
5	3	Do. ...	40	320				
6	8	Lascars	8	144				
17	18	Do.	7	126				
17	18	Do.	6	156				
25	26	Do.	5	135				
29	27	Do.	17½	17½				
	1	Irrigation Work, 5th Class, 1st Grade.						
1	...	Anicut Maistry	30	...				
1	...	Clerk	12	...				
1	...	Do.	15	...				
106	108	Total, Water Regulation Establishment, Kistna Delta System.	...	1,463½				
		Navigation Establishment.						
3	3	Lock Superintendents ...	15	45				
8	7	Do. ...	12	84				
8	10	Do. ...	10	100				
		Carried over ...	...	229				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		Brought forward ...	Rs. ...	Rs. 229	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Irrigation (Conservancy) Establishment including that for the Kurnool Canal—*cont.*						
		Kistna Delta System—cont.						
	20	*Navigation Establishment* —cont.						
15	14	Lascars	8	112				
17	14	Do.	7	98				
21	21	Do.	6	126				
17	22	Do.	5	110				
1	2	Traffic Clerk	12	24				
	1	Boat Clerk, V Class, 1st Grade.	17½	17½				
90	90	Total, Navigation Establishment, Kistna Delta System.	...	716½				
		Penner Anicut System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	60	60				
1	1	Delta do.	70	70				
1	1	Clerk	15	15				
1	1	Do.	10	10				
1	1	Lascar	7	7				
17	17	Do.	6	102				
4	4	Do.	5	20				
26	26	Total, Water Regulation Establishment, Penner Anicut System.	...	284				
		Cauvery Delta System.						
		Water Regulation Establishment.						
1	1	Superintendent	17½	17½				
3	3	Do.	15	45				
2	2	Do.	12	24				
4	4	Do.	10	40				
6	6	Do.	8	48				
1	1	Do.	7	7				
15	15	Lascars	6	90				
26	26	Do.	5	130				
86	86	Do.	4	344				
144	144	Total, Water Regulation Establishment, Cauvery Delta System.	...	745½				

GOVERNMENT OF MADRAS.

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PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation (Conservancy) Establishment including that for the Kurnool Canal—*cont.*						
		Cauvery Delta System—cont.						
		Navigation Establishment.						
1	1	Superintendent	8	8				
1	1	Lascar	5	5				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	13				
		Srivaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Maistries	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srivaikuntham Anicut System.	...	177				
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½				
		Madras Water-Supply and Irrigation Project.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
4	4	Lascars	7	28				
2	2	Do.	6	12				
4	4	Do.	5	20				
12	12	Total, Madras Water-Supply and Irrigation Project.	...	100	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation (Conservancy) Establishment including that for the Kurnool Canal—*cont.*						
		Pálár Anicut System.						
		Water Regulation Establishment, Chingleput District.						
1	1	Maistry	20	20				
2	2	Lascars	6	12				
12	12	Do.	4	48				
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Do.	12	36				
15	15	Lascars	4½	67½				
35	35	Total, Water Regulation Establishment, Pálár Anicut System.	...	223½				
		Pelandorai Anicut System.						
		Water Regulation Establishment.						
1	1	Superintendent	30	30				
1	1	Lascar	8	8				
2	2	Do.	6	12				
7	7	Do.	5	35				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	...	85				
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept.						
		Water Regulation Establishment, Ganjam District.						
3	3	Lascars	7	21				
14	14	Do.	4	56				
1	1	Do.	3½	3½				
18	18	Total, Water Regulation Establishment, Ganjam District.	...	80½				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101				
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...	16				
		Chingleput District.						
1	1	Superintendent	10½	10½				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...	21½				
		South Arcot District.						
1	1	Superintendent	40	40				
1	1	Do.	35	35				
2	2	Do.	25	50				
2	2	Do.	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
28	28	Do.	5	140				
53	53	Total, Water Regulation Establishment, South Arcot District.	...	439				
		North Arcot District.						
1	1	Superintendent	27	27				
2	2	Do.	20	40				
		Carried over ...	...	67	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	67				
		EXECUTIVE BRANCH —*cont.*						
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		North Arcot District—cont.						
1	1	Superintendent	12	12				
1	1	Do.	10	10				
5	5	Lascars	6	30				
15	15	Do.	5	75				
25	25	Total, Water Regulation Establishment, North Arcot District.	...	194				
		Coimbatore District.						
1	1	Superintendent	5	5				
4	4	Lascars	2½	10				
5	5	Total, Water Regulation Establishment, Coimbatore District.	...	15				
		Malabar District.						
1	1	Watchman	4	4				
1	1	Do.	3	3				
		Additional amount sanctioned.	...	11½				
2	2	Total, Water Regulation Establishment, Malabar District.	...	18½				
		Tanjore District.						
1	1	Superintendent	15	15				
1	1	Lascar	6	6				
1	1	Do.	5	5				
6	6	Do.	4	24				
9	9	Total, Water Regulation Establishment, Tanjore District.	...	50				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—*cont.*						
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do.	12	12				
2	2	Do.	10	20				
1	1	Lascar	6	6				
5	5	Do.	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162				
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16				
		Tinnevelly District.						
1	1	Superintendent	45	45				
2	2	Do.	35	70				
4	4	Do.	30	120				
7	7	Lascars	8	56				
23	23	Do.	6	138				
23	23	Do.	5	115				
60	60	Total, Water Regulation Establishment, Tinnevelly District.	...	544				
		Navigation Establishment.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
1	1	Lascar	8	8				
7	7	Do.	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		AGRICULTURAL WORKS. RIVER CONSERVANCY ESTABLISHMENT.						
		Godâvari District.						
2	2	Superintendents	15	30				
4	4	Lascars	6	24				
6	6	Total, River Conservancy Establishment, Godâvari District.	...	54				
		South Arcot District.						
3	3	Lascars	8	24				
6	6	Do.	5	30				
9	9	Total, River Conservancy Establishment, South Arcot District.	...	54				
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131				
1161	1161	Total, Conservancy Establishment.	...	9,879	1,18,548	...	1,22,947	
		Conservancy Establishment, Kurnool Canal Division.						
		Irrigation.						
...	3	Irrigation Superintendents.	40, 55 & 70	165				
...	4	Anicut do. ...	15, 20 & 25	75				
...	10	Head Lascars	8	80				
...	15	Lascars	7	105				
...	17	Do.	6	102				
...	13	Do.	5	65				
...	3	Lascars for three Irrigation Superintendents.	6	18				
...	65	Total, Irrigation, Kurnool Canal Division.	...	610				

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—*continued.*

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		AGRICULTURAL WORKS. RIVER CONSERVANCY ESTABLISHMENT—*cont.*						
		Conservancy Navigation, Kurnool Canal Division.		610				
	7	Lock Superintendents ...	12	84				
	15	Do. do. ...	10	150				
	20	Do. do. ...	8	160				
	42	Total, Conservancy Navigation Establishment, Kurnool Canal Division.	...	394				
...		Total, Conservancy Establishment.	...	...				
107		Kurnool Canal Division ...	...	1,004	*12,048	...	...	* Excludes 91 Lascars for 8 months at 6 and 7. 45 at 7 = 315 46 at 6 = 376 — 91 591 × 8 = 4,728 to be provided for from Temporary Establishment.
		Special Revenue Investigation by Mr. Wilson.						
		Office Establishment required for the preparation of Irrigation accounts.	...	...	†13,000	...	13,000	† Office Note from the Secretary to Government, Public Works Department, Irrigation Branch, No. 300, dated 13th December 1882.
		Total, Irrigation Establishment.	...	...	...	1,43,596	1,35,947	
		TEMPORARY ESTABLISHMENT.	...	...	1,00,000	...	25,000	
		Local Allowances.						
		Upper Godâvari allowance.	...	15	180			
		Wynaad allowance ...	...	...	1,200			
		Potingy Ghât allowance ...	...	...	7,000			
		Presidency house-rent ...	...	800	9,600			
		Do. allowance ...	...	800	9,600			
		Total, Local Allowances ...	...	..	27,580	...	24,800	
		Travelling Allowances.	...	...	...	2,06,000	2,00,000	
		Carried over ...						

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		Brought forward ...	Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		TEMPORARY ESTABLISHMENT—*cont.*						
		Contingencies inclusive of Postage.						
		Public Works Secretariat ... ... Rs. 500						
		Office of Chief Engineer for Irrigation. 150						
		7 Superintending Engineers' Offices.						
		26 Divisional Offices.	...	4,150	49,800	49,800	48,600	
		33 Offices at Rs. 100 per mensem ... 3,300						
		Four Project Divisions at Rs. 50 per mensem ... 200						
		Abstract of the foregoing.						
		Engineer Establishment ...	...	...	8,19,510	...	7,49,178	
		Upper Subordinate do. ...	...	...	4,00,140	...	3,65,256	
		Lower do. do. ...	...	...	6,240	...	2,880	
		Petty Establishment ...	...	...	63,654	...	46,668	
		Office do. ...	...	...	2,96,706	...	2,66,148	
		Irrigation do. ...	...	...	1,43,596	...	1,35,947	
		Temporary do. ...	...	...	1,00,000	...	25,000	
		Local allowances	...	...	27,580	...	24,800	
		Total, Salaries ...	...	...	18,57,426	18,57,426	16,15,877	
		Travelling allowances ...	...	...	...	2,06,000	2,00,000	
		Contingencies	...	...	...	49,800	48,600	
		Grand Total, Executive Branch.	...	...	...	21,13,226	18,64,477	
		ACCOUNTS BRANCH.						
		EXAMINER'S ESTABLISHMENT.						
1	1	Examiner, 3rd Class ...	1,100	1,100				
2	2	Deputy Examiners ...	450 & 550	1,000				
1	1	Assistant Examiner, 2nd Grade.	250	250				
4	4	Total, Examiner's Establishment.	...	2,350	28,200		29,400	

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GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
		ACCOUNTS BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		EXAMINER'S ESTABLISHMENT—*cont.*						
		Accountants.						
2	2	Accountants, 1st Grade ...	400	800				
3	*3	Do. 2nd „ ...	295	885				* Excluding one Accountant, 2nd Grade, attached to the Public Works Department Secretariat.
6	6	Do. 3rd „ ...	200	1,200				
17	17	Do. 4th „ ...	115	1,955				
30	30	Do. 5th „ ...	57½	1,725				
58	58	Total, Accountants ...	...	6,565	78,780	...	78,780	
		OFFICE ESTABLISHMENT INCLUDING THAT SANCTIONED FOR CAPITAL AND REVENUE ACCOUNTS AND CODE WORKS.						
		Clerks.						
1	1	Clerk, 2nd Class, 2nd Grade.	140	140				
1	1	Do. 3rd „ 1st „	90	90				
3	4	Do. 3rd „ 2nd „	70	280				
5	7	Do. 3rd „ 3rd „	55	385				
6	6	Do. 4th „ 1st „	45	270				
6	10	Do. 4th „ 2nd „	35	350				
11	16	Do. 4th „ 3rd „	25	400				
3	9	Do. 5th „ 1st „	17½	157½				
36	54	Total, Clerks ...	...	2,072½				
		Menial Servants.						
1	1	Moochi	10	10				
1	1	Do.	8	8				
...	1	Attender	5	5				
1	1	Head Messenger	10	10				
1	1	Do.	8	8				
4	4	Messengers	7	28				
6	6	Do.	6	36				
2	2	Rollers	5	10				
16	17	Total, Menial Servants ...	...	115				
52	71	Total, Office Establishment.	...	2,187½	26,250	...	19,590	
		Temporary Establishment ...	...	...	...	...	9,600	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		ACCOUNTS BRANCH —*cont.*						
		Local and Charge Allowances.						
		Presidency house-rent ...	...	500				
		Do. allowance ...	...	1,200				
		Charge allowance for 20 5th-Gradé Accountants.	...	400				
		Total, Local and Charge Allowances.	...	2,100	25,200	...	25,200	
		Total Salaries	...	...	1,58,430	1,58,430	1,62,570	
		Travelling allowances ...	...	300	3,600	3,600	3,600	
		Contingencies	...	400	4,800	4,800	4,800	
		Grand Total ...	...	...	...	1,66,830	1,70,970	
		Deduct contributions for two Accountants as follows:— Madras Harbour Works ... 1 Dowlaishweram Workshops ... 1 Total ... 2	...	...	...	4,044	5,160	
		Net Total, Accounts Branch.	...	...	...	1,62,786	1,65,810	
		Abstract.						
		Executive Branch	...	...	...	21,13,226	18,64,477	
		Accounts do.	...	...	...	1,62,786	1,65,810	
		Total, Public Works Department Establishment.	...	...	...	22,76,012	20,30,287	

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GOVERNMENT OF MADRAS.

PART III—continued.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENTS.

Number. 1882-83.	Number. 1883-84.	Particulars of Charges.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		ABSTRACT.						
		Executive Branch ...	...	...	...	21,23,226	18,64,477	
		Accounts Branch ...	...	...	...	1,62,786	1,76,130	
		Total, Public Works Establishment.	...	...	...	22,76,012	20,40,607	
		Probable Savings	...	...				
		Deduct Contributions.						
		From Capital Productive Public Works.	...	...	2,50,621			
		Productive Public Works, Revenue Account.	...	...	5,31,835			
		Irrigation and Navigation and Agricultural Works.	...	...	2,72,212			
		Imperial Military Works.	...	...	1,15,761			
		Imperial Other Services ...	...	...	46,094			
		Incorporated Local Funds.	...	...	8,190			
		Excluded Funds	...	...	7,165			
		Irrigation and Navigation under Provincial.	...	...	75,177			
		Government of India Contribution from the General Grant for Protective Public Works.	...	...	1,23,500			
		For Work done by Lithographic Branch of the Public Works Secretariat.	...	...	6,000	14,36,555	12,80,941	
		Balance from Provincial ...	...	...	...	8,39,457	7,59,666	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE

MADRAS

GOVERNMENT OF MADRAS.

PART IV.

DETAIL OF THE BUDGET-ESTIMATE FOR TOOLS AND PLANT UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1883-84.

Division.	Surveying and Mathematical Instruments.	Machinery.	Tools.	Plant.	Office Furniture.	Camp Equipage.	Live Stock.	Repairs and Carriage.	Total, 1883-84.	Estimate, 1882-83.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	...	...	...	...	...	...	500	600
Vizagapatam	...	...	...	...	...	...	...	...	1,000	600
Godávari, Eastern	...	...	...	...	...	...	...	...	8,235	4,184
Do. Western	...	...	...	...	...	...	...	...	1,200	1,000
A. Project	...	...	...	...	...	...	...	...	600	...
Kistna, Eastern	...	...	...	...	...	...	...	...	9,000	9,017
Do. Western	...	...	...	...	...	...	...	...	250	250
Nellore	...	...	...	...	...	...	...	...	2,300	2,300
Bellary	...	...	...	...	...	...	...	...	1,500	1,000
Cuddapah	...	...	...	...	...	...	...	...	1,000	1,000
Kurnool	...	...	...	...	...	...	...	...	1,000	1,000
Nilgiri	...	...	...	...	...	...	...	...	2,000	...
West Coast	...	...	...	...	...	...	...	...	...	...
Coimbatore	...	...	...	...	...	...	...	...	500	...
Salem	...	...	...	...	...	...	...	...	555	600
North Arcot	...	...	...	...	...	...	...	...	848	300
South do.	...	...	...	...	...	...	...	...	2,100	2,600
Chingleput	...	...	...	...	...	...	...	...	500	600
Presidency	...	...	...	...	...	...	...	...	2,300	2,144
Trichinopoly	...	...	...	...	...	...	...	...	2,000	2,000
Tanjore	...	...	...	...	...	...	...	...	1,500	1,500
Negapatam	...	...	...	...	...	...	...	...	1,220	1,175
Tinnevelly	...	...	...	...	...	...	...	...	3,300	3,300
Madura	...	...	...	...	...	...	...	...	1,000	1,000
Consulting Architect	...	...	...	...	...	...	...	...	1,500	1,000
Increase of Capital to the Dowlaishweram Workshops ...	...	...	...	...	...	...	...	...	...	...
General Superintendent, Public Works Stores	...	...	...	...	...	...	...	...	6,500	8,600
Special Plant	...	...	...	...	...	...	...	...	...	...
Reserve at the disposal of Government	...	...	...	...	...	...	...	...	5,301	27,627
Total ...	...	...	...	...	...	...	...	...	57,709	75,897
London Supplies	...	...	...	...	...	...	...	...	67,291	31,800
Grand Total ...	...	...	...	...	...	...	...	...	1,25,000	1,07,697

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ABSTRACT OF THE FOREGOING PROVISION FOR TOOLS AND PLANT.

	Rs.	Rs.
Total of the details shown above	...	1,25,000
Distribution of the above—		
Contribution from Imperial Military Works at 1½ per cent. on the grant for works ...	7,452	
Do. do. Other Services	3,006	
Do. from Imperial Irrigation and Navigation and Agricultural Works ...	17,528	
Do. from Imperial Capital Productive Public Works	16,346	
Do. from Imperial Productive Public Works, Revenue Account	9,459	
Do. Incorporated Local Funds	1,650	
Do. Excluded Funds	467	
Do. from Provincial Irrigation and Navigation Works	4,060	
Do. Protective Public Works	750	
		60,718
Balance to be provided from Provincial	...	64,282

GOVERNMENT OF MADRAS.

PART VI.

ABSTRACT OF THE PROBABLE INCREASE OR DECREASE IN THE SUSPENSE BALANCES FOR 1881-82 AND PROVIDED FOR IN THE ORDINARY PROVINCIAL SERVICE BUDGET-ESTIMATE OF THE YEAR.

—	Stock.	Stock Purchases and Sales.	Miscellaneous Advances.	London Stores.	London Invoices.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Actual balance on 1st April 1881 ...	6,44,844	18,061	54,267	10,590	—91	7,27,671
Probable charges during 1881-82 ...	7,20,156	69,339	2,59,633	12,410	6,991	10,68,529
Total ...	13,65,000	87,400	3,13,900	23,000	6,900	17,96,200
Probable credits or issues including sales and cash receipts during 1881-82.	7,68,200	1,06,400	1,86,100	23,000	6,900	10,90,600
Probable balance on 1st April 1882 ...	5,96,800	—19,000	1,27,800	...	...	7,05,600
Probable charges during 1882-83 ...	5,21,100	2,05,600	3,65,200	8,400	9,900	11,10,200
Total ...	11,17,900	1,86,600	4,93,000	8,400	9,900	18,15,800
Probable credits or issues including sales and cash receipts during 1882-83.	5,51,700	1,99,400	3,13,300	8,400	9,900	10,82,700
Probable balance on 31st March 1883.	5,66,200	—12,800	1,79,700	...	...	7,33,100
Results of operations of 1882-83, viz. :—						
Increase	...	6,200	51,900	...	...	58,100
Decrease	30,600	...	...	...	...	30,600
Net ...	—30,600	6,200	51,900	...	...	27,500

GOVERNMENT OF MADRAS.

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APPENDIX A.

DISTRIBUTION OF THE GRANTS FOR 1882-83 UNDER PROVINCIAL SERVICES ARRANGED BY DEPARTMENTS AND OBJECTS OF WORKS.

—	Major Original Works.	Minor Works.	Repairs.	Total.	Establishment.	Tools and Plant.	Stock and Suspense.	Total, 1883-84.	Estimate, 1882-83.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CIVIL BUILDINGS.									
Provincial Services—(Imperial).									
Administration	2,52,810								
Minor Departments ...	6,615								
Law and Justice... ...	1,69,345								
Ecclesiastical	...								
Provincial Services—(Provincial).		95,983	1,26,000	11,95,860					
Jails	1,71,813								
Police	18,590								
Educational	...								
Medical	51,740								
Miscellaneous	1,15,835								
Total, Civil Buildings ...	7,86,748	95,983	1,26,000	11,95,860					
COMMUNICATIONS.									
Metalled and bridged roads	1,14,630	...	37,000	1,51,630					
Navigable Canals ...	...	...							
Total, Communications.	1,14,630	...	37,000	1,51,630					
MISCELLANEOUS PUBLIC IMPROVEMENTS.									
Harbours and Navigation	55,400	...	3,000	58,400					
Total ...	9,56,778	95,983	1,66,000	12,18,761	8,39,457	64,282	27,500	21,50,000	22,11,216

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

MADRAS.

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APPENDIX D.

ESTIMATED ACCOUNT OF RECEIPTS AND CHARGES OF THE BUILDINGS AND ROADS BRANCH, PUBLIC WORKS DEPARTMENT, MADRAS, FOR THE YEARS 1882-83 AND 1883-84.

Accounts.	Budget Estimate.	Regular Estimate.
	Rs.	Rs.
To Balance	25,000	21,187
Cheques of Public Works Department Officers	59,80,942	61,80,976
Provincial Service Receipts	2,00,000	1,53,000
Local Fund Receipts	...	5,000
Subscription to Service Fund	10,832	9,306
Do. to General Family Pension Fund	368	1,363
Do. to Hindu Annuity Fund	...	...
Gain by Exchange	47,623	29,242
Guaranteed Railways	...	...
Payment for Land for Public Works	1,05,932	61,639
Supplies from Forest Department	8,856	5,302
Transfers, Miscellaneous	6,26,084	3,61,156
Central Adjusting Account	22,114	11,153
Telegraph Department	215	215
Transfers of the Public Works Department	17,12,395	16,96,748
London Account Stores	2,10,387	1,16,829
London Account Miscellaneous	13,096	19,020
Imperial Revenue Receipts, Military	30,000	30,000
Do. do. Other Services	...	...
Deposits, Ordinary	4,51,786	3,09,628
Deposits, Contributions	15,940	11,440
Tuccavee Advances	...	...
Barrack Supplies	...	...
Famine Relief Works	...	...
Total	94,61,570	90,23,204

Accounts.	Budget Estimate.	Regular Estimate.
	Rs.	Rs.
By Payments into Treasuries by Officers of the Public Works Department	5,71,267	5,60,014
Provincial Service Expenditure	23,00,000	21,43,508
Local Fund Expenditure	64,682	1,30,932
Expenditure against Local Loans	...	...
Guaranteed Railways	...	...
Famine Relief	...	...
Supplies to Forest Department	...	...
Other Public Works Revenue realized in the Civil Department	16,702	14,417
Miscellaneous Receipts of Public Works realized in the Civil Department	9,412	6,210
Contributions in aid of Public Works	6,786	6,230
Transfers, Miscellaneous	4,50,200	2,34,976
Central Adjusting Account	59,983	43,325
Telegraph Department	114	114
Transfers of Public Works Department	40,64,786	39,39,085
Net Expenditure against Imperial Budget Grant for Military Works	6,20,000	6,90,000
For Other Services	2,49,500	3,16,701
Madras Harbour Works	5,67,000	5,67,000
Deposits, Ordinary	4,43,959	3,27,591
Deposits, Contributions	14,179	18,101
Tuccavee Advances	...	...
Barrack Supplies	...	...
Famine Relief Works	...	...
Balance	23,000	25,000
Total	94,61,570	90,23,204

GOVERNMENT OF MADRAS.

APPENDIX E.

STATEMENT SHOWING THE APPROXIMATE PERCENTAGE WHICH THE CHARGES FOR ESTABLISHMENT BEAR TO THE EXPENDITURE ON WORKS.

MADRAS PUBLIC WORKS 1881-82.

Service.	Class.	New Works.	Repairs.	Total Outlay.	Establishment.	Percentage on Outlay.	Remarks.
		Rs.	Rs.	Rs.	Rs.		
Imperial ...	Military	1,15,574	2,69,097	3,84,671	96,161		
	Civil Buildings ...	1,92,037	4,003	1,96,040	64,311		The excess of nearly two per cent. may be said to be due to the inclusion of special charges on account of recoveries of advances made in England.
	Miscellaneous Public Improvements.	545	1,669	2,214			
	Barrack	...	...	...	...		
	Total ...	...	...	5,82,025	1,60,472	27·52	
Provincial ...	Civil Buildings ...	3,90,175	1,16,701	5,06,876	...		
	Communications ...	82,970	26,038	1,09,008	...		The excess under this head is chiefly due to a large debit to Provincial in Relief of Local Funds, erroneously charged in a previous year on account of the Kortalayár bridge. The adjustment was effected in accordance with the instructions contained in G.O., No. 1681 W., dated 4th July 1882.
	Miscellaneous Public Improvements.	1,150	5,183	6,333	...		
	Total ...	...	...	6,22,217	7,05,784	113·43	
Incorporated Local Funds.	Civil Buildings ...	4,716	1,501	6,217	...		
	Communications ...	70,646	1,37,092	2,07,738	...		
	Miscellaneous Public Improvements.	13	5,449	5,462	...		
	Total ...	...	...	2,19,417	23,628	10·76	Less than the prescribed percentage.
Imperial Irrigation, Navigation and Agricultural Works.	.....	3,39,314	8,39,184	11,78,498	3,37,959	28·65	
Provincial Irrigation and Navigation Works.	.....	1,05,463	81,503	1,86,966	51,405	27·49	
Imperial Productive Public Works.	.....	3,39,887	3,81,040	7,20,927	3,03,307	42·07	

GOVERNMENT OF MADRAS.

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APPENDIX E—continued.

STATEMENT SHOWING THE APPROXIMATE PERCENTAGE WHICH THE CHARGES FOR ESTABLISHMENT BEAR TO THE EXPENDITURE ON WORKS—*continued.*

MADRAS PUBLIC WORKS 1882-83.

Service.	Class.	New Works.	Repairs.	Total Outlay.	Establishment.	Percentage on Outlay.	Remarks.
		Rs.	Rs.	Rs.	Rs.		
Imperial ...	Military	2,94,397	2,73,067	5,67,464	1,15,126		
	Civil Buildings ...	2,43,476	11,400	2,54,876	58,040		
	Miscellaneous Public Improvements.	...	...	...			
	Barrack	...	...	...	...		
	Total ...	...	...	8,22,340	1,73,166	21·05	Less than the prescribed percentage.
Provincial ...	Civil Buildings ...	9,15,878	1,30,090	10,45,968	...		
	Communications ...	1,49,086	43,873	1,92,959	...		Less than previous year. The grant for Establishment under Provincial bears no fixed proportion to that for Works and is dependent on the amounts contributed from other funds.
	Miscellaneous Public Improvements.	85,059	8,000	93,059	...		
	Total ...	...	...	13,31,986	7,72,583	58·00	
Incorporated Local Funds.	Civil Buildings ...	...	...	...	...		
	Communications ...	36,593	23,961	60,554	...		
	Miscellaneous Public Improvements.	...	...	...	...		
	Total ...	...	...	60,554	12,155	20·07	Less than the prescribed percentage.
Imperial Irrigation, Navigation and Agricultural Works, Ordinary.	.....	5,74,844	12,00,630	17,75,474	3,62,631	20·42	
Provincial Irrigation and Navigation Works.	.....	1,98,072	2,79,500	2,77,652	75,026	27·02	
Imperial Productive Public Works.	.....	8,47,765	4,96,678	13,44,443	6,90,629	51·37	

GOVERNMENT OF MADRAS.

APPENDIX E—continued.

STATEMENT SHOWING THE APPROXIMATE PERCENTAGE WHICH THE CHARGES FOR ESTABLISHMENT BEAR TO THE EXPENDITURE ON WORKS—*continued*.

MADRAS PUBLIC WORKS, 1883-84.

Service.	Class.	New Works.	Repairs.	Total Outlay.	Establishment.	Percentage on Outlay.	Remarks.
		Rs.	Rs.	Rs.	Rs.		
Imperial ...	Military	2,22,992	2,75,000	4,97,992	1,14,538		
	Civil Buildings ...	1,92,400	8,000	2,00,400	46,094		
	Miscellaneous Public Improvements.	...	...	...			
	Barrack	...	...	...	...		
	Total ...	...	...	6,98,392	1,60,632	23·00	Less than the prescribed percentage.
Provincial ...	Civil Buildings ...	10,69,860	1,26,000	11,95,860	...		Less than previous years. The grant for Establishment under Provincial bears no fixed proportion to that for Works and is dependent on the amounts contributed from other Funds.
	Communications ...	1,14,630	37,000	1,51,630	...		
	Miscellaneous Public Improvements.	55,400	3,000	58,400	...		
	Total ...	...	...	14,05,890	8,02,403	55·17	
Incorporated Local Funds.	Civil Buildings ...	...	...	...	...		
	Communications ...	20,000	...	20,000	...		
	Miscellaneous Public Improvements.	...	...	...	...		
	Total ...	...	...	20,000	4,600	23·00	Less than the prescribed percentage.
Imperial Irrigation, Navigation and Agricultural Works.	.....	4,39,060	10,99,500	15,38,560	2,72,212	17·69	
Provincial Irrigation and Navigation Works.	.....	3,53,996	77,410	4,31,406	1,12,123	26·99	
Imperial Productive Public Works.	.....	12,90,313	5,22,000	18,12,313	7,82,456	43·28	

1285/35

Remarks in regard to the percentages of Establishment charges on the expenditure in connection with Irrigation Works, being an extract from the Note which accompanied the Irrigation Budget Estimates for 1883-84.

25. The statement marked D, which has been prepared with reference to the Government of India letter No. 381 A.G., dated 30th November 1882, communicated with G.O., No. 3324 W., dated 15th December 1882, shows the following rates of percentage which the charges for establishment bear to the expenditure on works and repairs :—

—	Actuals for 1881-82.	Regular Estimate for 1882-83.	Budget Estimate for 1883-84.
Imperial.			
Productive Public Works	38·84	51·37	43·17
Irrigation and Navigation, Agricultural Works.	28·68	20·42	17·69
Provincial.			
Irrigation and Navigation Works	27·49	27·02	26·99

The establishment charges are not based on the cost of establishment actually employed on the works, but on fixed rates of percentage calculated on outlay and revenue up to the end of 1881-82; the rate of percentage on expenditure was 25, and in the case of Productive Public Works, Capital Account, the charge was calculated on the actual expenditure on works, exclusive of land compensation, and in the case of other works on the grant or outlay, whichever was greater. The cost of the following establishments was also charged to Irrigation :—

(1) Chief Engineer for Irrigation and his Establishment.
(2) Temporary Survey Establishment.
(3) Water Regulation, Navigation and River Conservancy Establishment.
(4) Special Revenue Investigation Establishment.

From the 1st April last the rate of percentage on outlay has been reduced from 25 to 23, and the following rates of percentages on revenue have been fixed in lieu of the cost of the special establishments :—

10 per cent. on revenue collected in the Public Works Department.
6 per cent. on revenue collected in the Revenue Department from the Productive Public Works.

The percentage charge is not calculated on outlay for repairs to Minor Irrigation Works under the charge of Collectors, and therefore the average rate of establishment charges for 1882-83 and 1883-84 for Irrigation and Navigation and Agricultural Works is less than 23 per cent. The cost of establishment actually employed in the Project Divisions for the investigation of projects is charged to "Protective Public Works," and the charge cannot be compared with *works* outlay, as the projects are still under investigation.

Public Works Department, 1884-85.

Current No. 3544
194
Letter No. E.M.
Dated the 25th April/84
From the S.E. IV Circle

1285/44

NOTE OF REMARKS.

1. The accompanying plans and estimate provide for improving and metalling the road from Polacamma to Gudalur, a length of 28 miles. The estimated amount is Rs. 2,20,000.

2. The scheme consists in widening the road, where possible, to a breadth of 18 feet; metalling the whole length to a width of 12 feet, the depth of metal for the first 20 miles being 6 inches and the remaining 8 miles 4 inches; constructing retaining walls where necessary; reconstructing the Pykara bridge and a small bridge in the 19th mile; and completing the

G. 1-5-84

drainage arrangements including the construction of culverts.

3. Rs. 1,17,950 have been already expended, and the work effected is — the widening of the road from the 2nd to the 20th mile, though G.O. has directed a still further widening for the first 10 miles; the formation and metalling of 15 miles of the road; the collection of metal for 3 miles; the completion of catch drains for 10 miles; the completion of stone revetments, the reconstruction of the Pykara bridge and the bridge in the 19th mile; the construction of all the culverts.

4. What still remains to be done is simple work — Sectioning and metalling of unfinished portion of road and the completion of catch drains

5. The plans and estimate have been countersigned by the Vice President of the L.F. Boards — for Resolt.

30th April / 84
B.S.N.

No. C. No. 1546 D.

GOVT. OF MADRAS. } 188 . { P. W. DEPT.

SECRETARY.

Chepâk, 1st May 1884.

1287 / 1/5 / 37

OFFICE NOTE.

To W.

Estimate for improving & metalling the road from Ootacamund to Gudalur. Rs. 2,20,000.

S.E. III. submits above. You are doubtless well acquainted with the circumstances of the road. Nearly 3/5 ths of the work has already been carried out. I would observe that for the last 8 miles 4 inches only of metal are allowed. This is, I venture to say, altogether insufficient thickness for such a line, even though the soil along this section is said to be of "a firmer harder nature" than along the first 20 miles. For better lay 6 inches at once — it will be economical in the long run — notwithstanding the terrible expenses of the metal, Rs. 5 per cyd.

The cross sections show most of the sides of cuttings & side-cuttings vertical. whether this is feasible, more especially in soil said to be "very friable and very porous", is open to doubt. On such a section as that numbered 145 on 16th mile, the vertical scarp 20 ft. high with a steep hill side above will, should say, be positively dangerous to the workpeople who will have to form it & afterwards to the traffic. Such cases are sure to be numerous & undetermined sorts of later

And it is to be noted that the road was wrecked in many places in 82–83, which with perfectly vertical sides, catch drains of such small capacity as that allowed (2½' x 1½'), & cut in many places so much too near the scarp edge, is not to be wondered at. As regards these catch drains it is true the specification says they shall not be nearer the edge than 15 ft., but the sections show them much nearer. On hill sides it is better have no catch drains at all than have them too small & too near the edges of scarps.

Side drains are not shown on sections nor are they estimated for. They will probably be done out of the allowance for formation or out of the annual maintenance grants.

C.S.

1–5–84

(1) What is the correct mode of disposing of this estimate – now that it has been decided to transfer the road (which forms part of the metropolitan Sydenham line) to the P.W. Dept. from 1-4-83.

(2) I inspected the road during October 1883. No my inspection note available here.

128/86 W.H. 5.5.84

Low 2654

(1) The Estimate may be sanctioned in the S.W. Dept. in the same way as other Local Fund Estimates when taking over the roads next year. the S.W. Dept. will work only the unexpended balance of the sanction.

(2) This is not here. It has been sent for.

C.S. 5.5.84.

T.O.

For President & Board

Yes. the estimate may now be sanctioned. advertising in the G.O. to the fact that the work will be taken out by the P.W. Dept on 1.4.85, in terms of G.O. dated 3-5-84

W. 1111 W
4.

4-5-84

D.W.'s Remarks may kindly be put into shape of a brief note by Chief Engineer

Please to see Ref. on the file. with the subject in the G.O. as per D.O. 10.5.84

No 3544

Local Fund Board's Office
Octacamund 4th April 1884

No. 21

From

The President
Local Fund Board
Nilgiris

To

The Secretary to the
Board of Revenue
Madras

Through The Superintending Engineer
II Circle
Coimbatore

Sir,

I have the honor to submit plans and Estimate for Rs 2,20,000 for reformation of the Octacamund Gudalur road for the sanction of the Board of Revenue.

2. The resolution of the Circle Board passed at its meeting held on the 31st March 1884 sanctioning the Estimate is herewith enclosed for the information of the Board and Government

I have the honour Sir
Your most obedient Servant

Vice President
for President Local Board
Nilgiris

R:21 L7
N.I.

Extract from the Proceedings of a meeting of the Belgaum Local Fund Board held on Monday the 31st March 1884.

1885/37/150

Present Officials

L.R. Barrows Esqr. President
A.G. Carden Esqr. Vice President
A. Munro Esqr. Inspector of Schools

Non officials

R. Wapshare Esqr.
A. Allan Esqr.
Lt Col Henderson
Outram Kelso Mr. Allan Esqr.
C.V.K. Appanna Iyengar

No 4. Read letter from the Local Fund Engineer Belgaum No 432 dated 12th March 1884, submitting Estimate and plans for the reformation of the Hattiholli Gadag road.

The Estimate which amounts to Rupees 2,22,000- will be submitted to Government through the Superintending Engineer 4th circle.

[signed] L.R. Barrows
President
L.F. Board
Belgaum

True Extract

L.F. Board Office
Copy 4 April 1884

Vice President
Pr. President
L.F. Board
Belgaum

SUPD. ENGINEER'S OFFICE
A
17 APR 84
P.W.D.
FOURTH CIRCLE

From

The President
L.B. Board
Nilgiris

To The Secretary to the
Board of Revenue
Madras

Through The Superintending
Engineer
IV Circle
Coimbatore

No 21 dt 23 Apl 84

Enclosures 5.

Dated 4th
Diff 4
Plan
} April 1884

Submitting Estimates
& plans for the improvement
of the Metteputtaram Gudalur
Road for Sanction.

4th Circle
Superintending Engineer's Office
Coimbatore 25th April 1884.

No. 194
E W.

12 3/4 3

From.

The Superintending Engineer
4th Circle

To.

The Chief Engineer
P. W. Department

Sir,

With reference to G.O. No 1417 W of 14th May 1883 I have the honor to forward for sanction five plans and one estimate with specification amounting to Rs. 2,20,000 for Improving and metalling the road from the municipal limits of Ootacamund towards Gudalur, submitted by the Local Fund Board Nilgiris. The total length of the portion

Enclosures 9.
5 Plans
1 Estimate with Specification
1 Report
1 Letter from the President L.F. Board

portion now being dealt with is 28 miles.

2. The Estimate has been exa-
-mined and found correct. It includes all the work that has been done since the commencement of the improvement of this line, i.e from April 1880 together with the work yet required to complete it. viz—

		Rupees
I.	Road — Widening	9,988
	Forming & Sectioning	8,085
	Metalling	48,620
	Catch drain 28 miles	7,310
	Rough Stone revetment and Parapets	5,607
	Blasting	16,800
	Kutting	3,000
		194,410
II.	Reconstructing the Pykara Bridge 12th Mile	2,239
III.	Do the culvert 19th mile	1,880
	Carried over	198,529

	Brought forwd	198,529
IV.	60 Rough Stone culverts for Surface drainage	1,980
V.	Tools and Plant	4,011
VI.	Petty Supervision	10,227
VII.	Contingencies	5,253.
	Total Rupees	220,000

1285/87/82

3. The total allotment given from 1880-81 for this work has been Rs. 140,000 and the expenditure up to 31st March 1884 was expected to amount to Rs. 117,950.

4. The accompanying Report shows in detail the works carried out up to March 1884 and those yet to be done.

5. The letter from the President Local Fund Board Nilgiris to the Secretary to the Board of Rev. and the resolution of the Local Fund

Fund Board therein alluded to
are also forwarded.

I have the honor to be
Sir
Your most Obedient Servant.
E. Beatty - Colonel R.E.
Superintending Engineer
VII Circle.

1285
40 5
43

G.O. No 1416 (W 1417) d/ 6-6-82
" " 2614 W. - 23-8-83
" " 1492 W. - 14-2-83
" " 1417 W. - 14-3-83

C

N.W.P. No. 3546

From,

The Supg. Engineer
4th Circle

Dated 25th } April 84.
Rd. 28 }

1285 W/23-5-84

No. 194/E W

Encls: 9

Road from Aotaca-
mund to Gudalur—
Forwards for Sanction
Plans and Estimate
amounting to Rs 220,000
for Improving and
Metalling the—

1

D.O.S. 5/5. Circ 13/5. Rt. 17/5.

G-1-5-84

Public Works Department

1285/4/44 p 6

Letter from the S.E. W Circle No. 194/EW dt April 25, 1884

Note by the Chief Engineer, P.W. Dept.

The Supdg Engr W Circle pub-
-mits with the above letter, estimate
amounting to Rs 2,20,000 for im-
proving and metalling the road
from the municipal limits of
Ootacamund towards Gudalur-
a length of 28 miles. The road
forms a portion of the main
trunk line from Mettupalaiyam
the charge of which will, under
GO No. 1111W/A dt 7th May 1881 be
assumed by the P.W. Dept from
the 1st April 1885.

Large grants from Provincial
funds have already been

for the work; the total Expenditure there from up to the 31st March 1886 being stated at Rs 1,17,950; while a further grant of Rs 50,000/- is provided in the Provincial budget for expenditure by the Local Fund Board during the current official year. The estimates now submitted include previous outlay.

The estimates provide for widening the road, where practicable, to a breadth of 18 feet, and metalling the whole length to a width of 12 feet, the depth of metal for the first 20 miles being six inches and for the remaining 8 miles, four inches. Revetments and culverts are to be provided, where necessary; the Sykara bridge and a small bridge in the 19th mile reconstructed; and the drainage

arrangements completed.

1886/42/43 The Chief Engineer is of opinion that the provision of only four inches of metal for the last 8 miles is insufficient on a road of this character, even though the soil along this section is said to be of "a firmer and harder nature" than along the first 20 miles. He would propose six inches being laid in the first instance, notwithstanding the larger outlay involved.

The cross sections show most of the sides of cuttings and side cuttings to be vertical. Whether this is feasible, more especially in soil said to be "very friable and very porous," is open to doubt. On such a portion as that numbered 145 on the 16th mile, the vertical scarp 20 feet high, with a steep hill side above,

will ~~it is intended~~ be ~~certainly~~
dangerous to the work-people
who will have to form it, and
afterwards to the traffic. Such
sides are liable to be undercut
or undermined sooner or later.
It is to be noted that the
road was wrecked in many places
in 1882/83. This is not to be
wondered at, having in view
the perfectly vertical sides, and the
catch drains of such small
capacity as that allowed
($2\frac{1}{4}' \times 1\frac{1}{2}'$) and cut in many
places much too near the
scarp edge. The specification
no doubt provides that the
catch drains be distant from the
edge not less than 15 feet, but
the sections show them much
nearer. On hill sides, it is
better to dispense with catch
drains altogether than have

them too small and too near
the edges of scarps.

Side drains are not shown on
the petions, nor are they estimated
for. It is presumed that they
will be cut from the allowance
for formation, or from the
annual maintenance grants.

1285/
~~43~~
46

III
10·5·84
Ex.

B. 7K
Works

Public Works Department,

No. 1285

Proceedings of the Madras Government,

Under date the 23rd May 1854

Read the following:—

1285/47

Letter from the President, L.F.B.r, Nilgiris, to the Secy: to the Board of Rev: Madras, thro' the S.E. IV Circle } H.E. No 21 dt April 4, 1854

Letter from the S.E. IV Circle . . . . (" No 194 Ens dt " 25, ")

Note by the Chief Engineer P.W. Dept (. . . — dt May 10th May)

The estimate amounting to Rupees 2,20,000/-, for improving and metalling the road from Ootacamund to Gudalur, is sanctioned.

2. The remarks and suggestions of the Chief

1285/85

expired in the note recorded above should receive attention.

The work will during the current official year, be continued by the Algiers Local Fund Board; and the unexpended balance of the estimate on the 31st March 1885 will be worked out by the agency of the Public Works Department.

This sanction has been registered as ~~Local~~ Provincial No. 44 W of 1884/85, and classified as Communications, Original Works.

W. 17.5.84

W. 10.5.84

(Sd) W 12/5

(To) The Chief Secretary for countersignature.

Board of Rev. with Jewels.

S.E. W Circle.

Ex. P.W. Accts.

Financial Dept.

Sd 3/5/85.

3562

Govt. of [1884] Madras

PUBLIC WORKS.

(48)

2615

2

G.O. 27 Irrig 1884, No 1280

Road from Polacam

to Gudalur

Estimate Rs 2,20,000

for temporary metalled

Rd _____ from Devarshola

to Gudalur

80

5