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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Pub works DEPARTMENT

G.O. No. 1571-84 Press.
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295

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

22nd March 1882, No. 757 W.

General.
Establishment.

Read the following paper:—

No. 166. From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 14th March 1882, No. 1332.

I HAVE the honor to submit for sanction an estimate of Rs. 60 for the Survey establishment employed in taking the survey and levels for the preparation of the estimate ordered in G.O., No. 1306 W., dated 21st May 1881, for improvements to the port of Cuddalore and fixing the bar. I request that an allotment of Rs. 60 may be granted, as the work has actually been done.

One Estimate.

No. 167. ORDER THEREON; 22nd March 1882, No. 757 W.

THE estimate, amounting to Rs. 60, for temporary Survey Establishment employed in taking survey and levels in connection with improvements to the port of Cuddalore, is sanctioned as follows:—

	Rs.
1 Surveyor for 25 days at Rs. 50 per mensem ... ... Registered as Provincial No. 42 W. of 1881-82 and classified as Establishment.	42
5 Lascars for 18 days at Rs. 6 each per mensem ... ... Registered as Provincial No. 143 W. of 1881-82 and classified as Miscellaneous Public Improvement, Original Works.	18

2. The sum of Rs. 42 is allotted from the budget provision for temporary establishment and Rs. 18 from the Provincial Reserve.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle.
„ Examiner of Public Works Accounts, with Estimate.
„ Marine Department.

Exd. S. T. Austin.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c., &c., &c.

Dated March, 22nd.

Issued

Read. *Encl.*

G.O., 22nd March 1882, No. 757 W.

MARCH.

Nos. 166-167.

Part of Cuddalore.—Sanctions estimate for temporary Survey Establishment employed in taking survey and levels in connection with improvements to the —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

22nd March 1882, No. 758 W.

General Account.

Read the following paper:—

No. 168. From the Superintending Engineer, Fourth Circle, dated 13th March 1882, No. 96.

No. 169. ORDER THEREON, 22nd March 1882, No. 758 W.

THE sum of Rs. 17,700 surrendered by the Superintending Engineer, Fourth Circle, from the current year's grant for the Cinchona buildings at Naduvatam will be credited to the Provincial Reserve, and a corresponding allotment will, if possible, be made to the work from the same source next official year, in addition to the grant of Rs. 8,374 promised in G.O., No. 397 W., dated 13th February 1882.

2. It is explained that owing to the late receipt of sanction to the estimate only Rs. 5,000 can be spent during the current financial year.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. S. T. Austin.
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GENERAL.
ACCOUNT.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FOURTH CIRCLE,
&c., &c., &c.

Dated March, 22*nd*.

Issued

Read. *Encl.*

G.O., 22 *March* 1882, *No.* 758 W

MARCH.

Nos. 163-169.

Cinclona buildings at Naduvattam—Orders on statement surrendering funds from the current year's grant for the —.

3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

2nd March 1882, No. 198 I.

Irrigation.
Account.

Read again :—

No. 3. Proceedings of the Madras Government in the Public Works Department, dated 25th January 1882, No. 58 I.

No. 4. Proceedings of the Madras Government in the Public Works Department, dated 4th February 1882, No. 96 I.

Read also—

No. 5. Telegram from the Secretary to the Government of India, Public Works Department, Calcutta, to the Secretary to Government, Public Works Department, Madras, dated 7th February 1882.

YOUR 59 I. Additional 12,000 Productive Revenue Account and Rs. 8,000 Irrigation Navigation sanctioned. The remaining 90,000 should be met from 55,853 saving shown by Regular Estimate 1881-82 under Irrigation Navigation excluding Productive Revenue Account. The balance 34,147 will be sanctioned if you accept reduction grant 1882-83 for same amount. Wire.

No. 6. Telegram from the Secretary to Government, Public Works Department, Madras, to the Secretary to the Government of India, Public Works Department, Calcutta, dated 10th February 1882.

Your telegram 7th instant. Amount applied for Irrigation and Navigation is Rs. 3,000 not 8,000. Subsequent to Regular Estimate Rs. 13,387 transferred from Irrigation Navigation Agricultural Works to Productive Public Works Revenue Account. Reduction of grant 1882-83 accepted.

No. 7. Telegram from the Secretary to the Government of India, Public Works Department, Calcutta, to the Secretary to Government, Public Works Department, Madras, dated 13th February 1882.

YOUR telegram 10th. Additional 34,000 sanctioned by reduction grant 1882-83. Transfer of 13,387 referred to inadmissible and must be cancelled.

No. 8. Telegram from the Secretary to Government, Public Works Department, Madras, to the Secretary to the Government of India, Public Works Department, Calcutta, dated 15th February 1882.

YOURS 13th. Rs. 55,853 referred to in your telegram of 7th as saving is not so but has been transferred from Irrigation and Navigation to Productive Public Works

Revenue Account. The totals of the budget and regular estimates for 1881-82 therefore correspond. Will this amount be given in addition to the Rs. 34,147 reduced from grant for 1882-83? The transfer of Rs. 13,387 to Productive Public Works Revenue Account now ordered to be cancelled was for important works which have been ordered to proceed. The transfer was made on the understanding that alterations in the regular estimate could be wired till 24th. As matters stand request to make this alteration in the regular estimate. Please wire reply.

No. 9. Telegram from the Secretary to the Government of India, Public Works Department, Calcutta, to the Secretary to Government, Public Works Department, Madras, dated 16th February 1882.

YOUR telegram 15th. Regular estimate accepted for Irrigation Navigation Ordinary 17,42,000, working expenses Productive Public Works 7,61,000, it is believed that this fully meets requirements. Transfers from one to the other of above inadmissible.

No. 10. ORDER THEREON, 2nd March 1882, No. 198 I.

THE additional grant of Rs. 1,10,000 for repairs to storm damages asked for in letter to the Government of India, No. 59 I. of 25th January 1882, having been sanctioned, the appropriations of funds made in Proceedings of Madras Government, No. 68 I., dated 27th January 1882, are now confirmed, with the exception of the grant of Rs. 12,000 for P. P. W. Revenue Account, which is reduced to Rs. 9,412 for *Works*, the necessary provision for Establishment and Tools and Plant charges not having been made in the first instance.

2. The distribution of the total extra grant will now be as follows:—

	Works.	Establishment.	Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs.
1. P. P. Works, Revenue Account, Cauvery Delta System, Maintenance and Repairs.	9,412	2,353	235	12,000
2. Irrigation and Navigation, Revenue Accounts, Maintenance and Repairs	3,000	750	75	3,825
3. Irrigation and Navigation Works for which Capital and Revenue Accounts are not kept—Repairs	40,000	10,000	1,000	51,000
4. Agricultural Works, Repairs	15,000	3,750	375	19,125
5. Minor Irrigation Works under Collectors ...	24,050	...	...	24,050
Grand Total ...	...	...	...	1,10,000

The distribution by divisions of the reduced amount under—

(1) for *Works* will be Tanjore ... ... Rs. 6,300.
Negapatam ... ... ,, 3,112.

and proposals will be separately submitted regarding the distribution by districts of (5).

3. Under the ruling of the Government of India, that the transfer of Rs. 13,387 made in G.O., No. 96 I., of 4th February 1882, from Irrigation and Navigation Works to P. P. W. Revenue Account is not admissible, this sum or rather Rs. 13,240* becomes available for distribution, and will be added to the Reserve at the disposal of Government under Irrigation and Navigation Works for which neither Capital nor Revenue Accounts are kept—Repairs.

	Rs.
*Amount of transfer	13,387
Amount deducted to make the total a round sum	147
	13,240

4. The allotments made on Revenue Account, in the above Proceedings, to the Kistna Delta System Rs. 10,200, and to the Pennér Anicut System Rs. 1,912, are cancelled, and that to the Godávari Delta System is reduced to Rs. 2,550, the amount shown as available for transfer from the Cauvery Delta System.

(True Extract.)

(Signed) JOHN MULLINS, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, First Circle.
,, ,, ,, Second ,,
,, ,, ,, Fifth ,,
,, ,, ,, Sixth ,,
,, Chief Engineer for Irrigation.
,, Examiner of Public Works Accounts.
,, Board of Revenue.
,, Revenue Department.

Exd. S. T. Austin.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIRST CIRCLE,
&c., &c., &c.

Dated March, 2nd.

Issued

Read. *Encl.*

G.O., 2nd March 1882, No. 138 I.

MARCH.
Nos. 3—10.

Additional grant of Rs. 1,10,000 *for repairs to storm damages to Irrigation Works.*—Distribution of the —.

PRELIMINARY ISSUE. 5

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

MADRAS.

PUBLIC WORKS DEPARTMENT.

PROVINCIAL SERVICE BUDGET-ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1882-83.

CHEPAUK,
12th January 1882.

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

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GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF PROVINCIAL SERVICES PUBLIC WORKS REVENUE IN MADRAS FOR THE YEAR 1882-83.

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 1882 TO 31ST MARCH 1883.

—	Budget Estimate, 1882-83.	Budget Estimate, 1881-82.	Regular Estimate, 1881-82.
	Rs.	Rs.	Rs.
Realized in the Public Works Department	1,50,000	1,29,821	1,70,000
Total ...	1,50,000	1,29,821	1,70,000

GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF EXPENDITURE ON PUBLIC WORKS FROM PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83.

ABSTRACT OF THE ESTIMATED EXPENDITURE FOR PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR FROM 1ST APRIL 1881 TO 31ST MARCH 1882.

—	Reference to Detailed Estimate.	Budget Estimate, 1882-83.	Budget Estimate, 1881-82.	Regular Estimate, 1881-82.
Original Works.	Pages	Rs.	Rs.	Rs.
Civil Buildings	4—9	8,14,617	3,45,819	5,11,811
Communications	9	1,20,000	95,000	70,021
Miscellaneous Public Improvements including refund to Capital Productive Grant on Account of Madras Water Supply Project ...	9	82,748	1,00,000	1,00,000
		10,17,365	5,40,819	6,81,832
Repairs.				
Civil Buildings	16	94,630	64,175	98,212
Communications		36,053	29,053	27,053
Miscellaneous Public Improvements		2,100	2,000	4,350
		1,32,783	95,228	1,29,615
Total Works and Repairs.				
Civil Buildings	...	9,09,247	4,09,994	6,10,023
Communications	...	1,56,053	1,24,053	97,074
Miscellaneous Public Improvements	...	84,848	1,02,000	1,04,350
		11,50,148	6,36,047	8,11,447
Establishment	17—34	7,31,552	6,46,599	6,84,228*
Tools and Plant	35, 36	8,000	27,962	5,180
Stock and Suspense	37	7,300	...	...
Profit and Loss	...	...	...	...
Total ...		19,00,000	13,10,608	15,00,855

* Includes Rs. 1,01,156 on account of Protective Public Works Establishment.

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

—	1882-83.						Budget Estimate, 1881-82.	Regular Estimate, 1881-82.
	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 ...	10,17,365	1,32,783	20,24,431	1,31,572	7,300	33,13,451	23,10,794	26,62,623
In England ...	...	...	...	31,800	...	31,800	29,086	26,086
Total as above ...	10,17,365	1,32,783	20,24,431	1,63,372	7,300	33,45,251	23,39,880	26,88,709
Provision from Contributions—								
In India ...	...	...	12,89,879	1,55,372	...	14,45,251	10,29,272	11,87,654
Grand Total ...	10,17,365	1,32,783	7,34,552	8,000	7,300	19,00,000	13,10,608	15,00,855

* In addition to this amount, Rs. 1,02,682 have since been sanctioned for expenditure during 1882-83 from Convict Labor Fund.

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

MADRAS.

GOVERNMENT OF MADRAS.

PART I—

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

CLASS A WORKS.
PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83.

Head of Classification.	Executive Division.	Locality	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1880-81.	Outlay. Probable during 1881-82.	Grant, 1882-83. Amount.	Grant, 1882-83. Total.	Item No.	Remarks and References.
				PROVINCIAL ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.		
				CIVIL BUILDINGS.							
				Original Works.							
Provincial Services—Imperial—12 Administration.	Arcot, North..	Chandragiri ...	1	Altering and improving the present Taluk Cutcherry.	3,850	...	...	3,850		1	G.O., No. 4640 W., of 5th December 1878. Item No. 1, Class B Works of 1881-82, Budget. Revised estimate awaited.
	Do. ...	Walajapet ...	2	Taluk Cutcherry	29,800	...	...	18,200		2	G.O., No. 1563 W., of 22nd June 1881.
	Arcot, South...	Manjakuppam.	3	Cutcherry for Collector of South Arcot ...	19,770	...	...	15,000		3	G.O., No. 2667 W., of 31st October 1876. Item No. 2, Class A Works of 1881-82, Budget. Revised estimate under consideration.
	Do. ...	Tiruvallur ...	4	Second-class Taluk Cutcherry	11,010	...	...	11,010		4	G.O., No. 597 W., of 15th March 1881. Item No. 2, Class B Works of 1881-82, Budget.
	Do. ...	Manjakuppam.	5	Taluk Cutcherry	17,380	...	10,000	7,380		5	G.O., No. 936 W., of 7th April 1881.
	Chingleput ...	Guindy ...	6		5,000	...	...	1,000		6	G.O., No. 2220, of 2nd August 1875 and No. 2153 of 17th August 1876. Item No. 4, Class A Works of 1881-82, Budget.
	Presidency ...	Mount Road ..	7	Government House furniture charges				3,000		7	
	West Coast ...	Ootacamund ..	8		...	397	1,009	1,000		8	
	Godávari Eastern.	Kunnavarma ...	9	Constructing office and quarters for Special Assistant Agent.				6,000		9	Estimate called for in G.O., No. 2,514 W., of 13th October 1881, awaited.
	Kistna Eastern.	Masulipatam...	10	Improvements to the Collector's Cutcherry	34,130	...	...	15,090		10	G.O., No. 2040, of 17th July 1875. Item No. 10, Class B Works of 1881-82, Budget.
	Presidency ...	Black Town ..	11	Iron sheds in the import yard of the Sea Custom House.	15,300	...	10,200	5,100		11	G.O., No. 2389 W., of 27th September 1881. Item No. 5, Class A Works of 1881-82, Budget.
	Do. ...	Mount Road ..	12	Permanent verandah roof to the Banqueting Hall, Government House.	...	...	...	3,000		12	Estimate awaited.
	Salem ...	Dharmapuri...	13	Taluk Cutcherry	27,050	...	...	15,000		13	G.O., No. 3236, of 13th November 1875.
	Tanjore ...	Mayavaram ...	14	Deputy Collector's Cutcherry	4,540	...	...	4,540		14	G.O., No. 701 W., of 18th March 1880. Item No. 22, Class B Works of 1881-82, Budget.
	Trichinopoly...	Perambalúr ...	15	First-class Taluk Cutcherry	27,000	...	...	15,000		15	G.O., No. 2769 W., of 6th July 1878. Item No. 24, Class B Works of 1881-82, Budget.
	Ganjam ...	Russellkonda.	16	Converting the terraced roof of the Tahsildar's Cutcherry into tiled one.	3,170	...	...	3,170		16	G.O., No. 272 W., of 16th January 1878. Item No. 26, Class B Works of 1881-82, Budget.
	West Coast ...	Puthoor ...	17	Do. the late Sub-divisional office into a Taluk Cutcherry and constructing a sub-jail and latrine.	8,340	...	4,000	4,340		17	G.O., No. 183 W., of 24th January 1881.
	Do. ...	Ootacamund...	18	Constructing Government House, Upper Norwood, including water-supply and drainage.	4,02,914	3,08,342	60,000	34,572	1,06,162	18	Revised estimate submitted to the Government of India for sanction, G.O., Nos. 3037-38 W., of 6th December 1881.
14 Law and Justice.	Chingleput ...	Poonamallee...	19	District Munsif's Court	10,350	...	...	10,350		19	G.O., No. 2863 of 26th October 1876. Item No. 27, Class B Works of 1881-82, Budget.
	Kistna Eastern.	Masulipatam...	20	Converting Nawáb's bungalow into a District Court.	6,848	...	...	6,850		20	G.O., No. 2,816 W., of 12th November 1881.
	Madura ...	Tiruvadani ...	21	Sub-Magistrate's Cutcherry	10,550	...	...	10,550		21	G.O., No. 2915 W., of 20th November 1879.
	Nellore ...	Kávali ...	22	District Munsif's Court	11,000	...	...	11,000		22	G.O., No. 149, of 19th March 1875.
	Salem ...	Tirupattúr ...	23	District Munsif's Court	13,000	...	...	13,000		23	G.O., No. 1780 W., of 24th July 1880. Item No. 41, Class B Works of 1881-82, Budget.
	Tanjore ...	Tranquebar ...	24	Additions and improvements to the District Court-house.	3,660	...	...	3,660		24	G.O., No. 1892 W., of 1st August 1881. Item No. 42, Class B Works of Budget of 1881-82.
				Carried over ...	...	...	...	55,410	1,66,162		

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83—*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 1881-82.	Grant, 1882-83. Amount.	Grant, 1882-83. Total.	Item No.	Remarks and References.
				Brought forward ...	Rs.	Rs.	Rs.	Rs. 55,410	Rs. 1,6[illegible],162		
				PROVINCIAL ORDINARY—*cont.*							
				CIVIL BUILDINGS—*cont.*							
				Original Works—cont.							
Provincial— Imperial— 14 Law & Justice. 15 Ecclesiastical.	Tanjore ...	Tiruvadi ...	25	District Munsiff's Court	11,900	...	...	11,900		25	G.O., No. 3165, of 6th November 1875. Item No. 43, Class B Works of 1881-82, Budget.
	Trichinopoly.	Ariyalûr ..	26	Do. do.	13,800	...	...	13,800		26	G.O., No. 2,121, of 25th August 1881. Item No. 45, Class B Works of 1881-82, Budget.
	West Coast ...	Calicut ..	27	New Court-house	...	...	...	28,000		27	Estimate under consideration.
	Cuddapah ...	Mount and Pleasanmalles.	28	Purchase of the Roman Catholic Churches ...	6,900	...	...	6,900	1,09,110	28	G.O., No. 1306 W., of 2nd June 1880.
	Godávari Eastern.	Cocanada ...	39	Enlarging Church	5,700	...	...	2,500		29	G.O., No. 1,846 W., of 27th July 1881. The balance of the estimate to be met from contribution.
16 Jails.	Arcot, South...	Mannárgudi ...	30	Subsidiary Jail with out-buildings	4,450	128	2,450	3,820	9,400	30	G.O., No. 766, of 18th March 1875. Item No. 12, Class A Works of 1881-82, Budget. Revised estimate awaited.
	Tanjore ...	Tanjore ...	31	District Jail	...	...	...	60,000		31	Estimate awaited.
	Tinnevelly ...	Palamcottah ..	32	New Jail	1,60,000	84,836	25,000	50,000	1,13,820	32	Provision made under G.O., No. 2973 W., of 29th November 1881.
17 Police.	Coimbatore ...	Coimbatore ...	33	Additions and alterations to the Police head quarter office.	4,780	...	...	4,780		33	G.O., No. 332 W., of 1st February 1877. Item No. 13, Class A Works of 1881-82, Budget.
	Godávari Eastern.	Rajahmundry.	34	Constructing Police head quarter office	14,060	...	...	14,060		34	G.O., No. 2685 W., of 23rd November 1880. Item No. 53, Class B Works of 1881-82, Budget.
	Vizagapatam.	Jeypore ...	35	Constructing a new house and office for the Assistant Superintendent of Police.	...	...	...	4,925		35	G.O., No. 2648 W., of 26th June 1878. Item No. 54, Class B Works of 1881-82.
	...	...	36	Grant for Police Works costing above Rs. 1,000 and below Rs. 2,500 each.	...	...	...	*10,000	33,765	36	The estimate called for in G.O., No. 2987 W., dated 30th November 1881, awaited.
19 Medical.	Consulting Architect. Presidency ...	Madras ...	37	Medical school at the Monegar Choultry	16,080	5,288	5,000	5,792		37	* A list of works on which this amount is to be spent will be submitted by the Inspector-General of Police.
		Do. ...	38	Fitting up machinery for pharmaceutical operations, including cost of steam engines and lathes at the Medical Stores	3,800	...	...	3,800		38	G.O., No. 742 W., of 17th March 1881. " " 3055 W., of 9th December 1881. G.O., No. 1548 W., of 20th June 1881.
	West Coast ...	Calicut ...	39	Additions and improvements to the Lunatic Asylum.	8,865	338	6,569	1,958		39	
	Presidency ...	Kilpauk ...	40	Constructing a block of two rooms for males and another for females in the Lunatic Asylum.	6,940	...	...	6,940	18,490	40	G.O., No. 2429 W., of 25th September 1879. Item No. 19, Class A Works of 1881-82, Budget.
20 Miscellaneous.	Godávari Western.	Chettipett ...	41	Dwelling house for the use of the Public Works officers.	13,594	5,594	6,550	1,450		41	G.O., No. 1905 W., of 2nd August 1881.
	Kistna Western.	Dugerala ...	42	Executive Engineer's and Overseer's office	14,520	...	...	14,520		42	G.O., No. 2226, of 23rd August 1876. Item No. 23, Class A Works of 1881-82, Budget.
				Carried over ...	...	...	...	15,970	4,56,747		G.O., Nov. 2708 W., of 25th No. 1880. Item No. 57, Class B Works of 1881-82, Budget.

GOVERNMENT OF MADRAS.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

PART I.—CLASS A WORKS—concluded..

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83—*concluded.*

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1880-81.	Outlay. Probable during 1881-82.	Grant, 1882-83. Amount.	Grant, 1882-83. Total.	Item No.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.	Rs.		
				Brought forward ...	...	...	...	15,970	4,50,747		
				PROVINCIAL ORDINARY—*cont.*							
				CIVIL BUILDINGS—*cont.*							
				Original Works—cont.							
Provincial Services—*cont.* Provincial—*cont* 29 Miscellaneous—*cont.*	Madura ...	Madura ...	43	Preservation of Tirumal Naick's palace	1,62,955	1,27,027	21,000	15,000		43	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.
	Tanjore ...	Tanjore ...	44	District Registrar's office	10,280	...	4,000	6,280		44	Item No. 22, Class A Works of 1881-82, Budget.
			45	Reserve at the disposal of Government for distribution to Registration offices during the year.	...	...	...	43,720		45	G.O., No. 366 W., of 10th February 1881.
			46	Grant for minor works, the estimated cost of which does not exceed Rs. 2,500 each.	...	...	...	2,82,900		46	G.O., No. 2528 W., of 15th October 1881.
				Total, Civil Buildings ...	...	...	...	...	3,63,870 8,14,617		
				COMMUNICATIONS.							
				Original Works.							
Metalled and Bridged Roads.	Madura ...	...	47	Completion of the road from Cumbum to the foot of the Gúdalúr Ghát.	...	...	...	20,000		47	Estimate under consideration.
	Presidency ...	Madras			...	...	...	10,000			
	Do. ...	Do. ...	48	Renewing Israpets to Government House bridge ...	...	...	...	15,000		48	Estimate awaited.
	Vizagapatam ...	Joypore ...	49	Alterations and improvements to bridges	1,30,400	1,07,674	75,000	75,000		49	Do.
			50	New Potinghy Ghát						50	G.O., No. 1803, of 18th July 1876. Item No. 26, Class A, Works of 1881-82, Budget. Revised estimate awaited.
				Total, Communications ...	...	...	...	...	1,20,000		
				MISCELLANEOUS PUBLIC IMPROVEMENT.							
	Presidency ...	Madras ...	51	South Beach promenade	...	...	...	35,000		51	Estimate awaited.
			52	Refund to Capital Productive grant on account of Madras Water-supply and Irrigation Extension	8,72,358	3,00,000	1,00,000	47,748		52	G.O., No. 849 I. of 9th December 1881. Item No. 28 of 1881-82, Budget.
				Total, Miscellaneous Public Improvement ...	...	...	...	...	82,748		

GOVERNMENT

PART I.—

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.
				PROVINCIAL ORDINARY.
				Civil Buildings.
				Original Works.
Provincial Services— Imperial— 12 Administration.	Bellary ...	Gooty ...	1	Improvements to Sub-Collector's Cutcherry ...
	Do. ...	Harpanahalli.	2	Taluk Cutcherry ... ...
	Do. ...	Adóni ...	3	Do. ... ...
	Do. ...	Bukkapatnam.	4	Second-class Taluk Cutcherry ... ...
	Do. ...	Ráyadrug ...	5	Verandah to Taluk Cutcherry ... ...
	Coimbatore ...	Polláchi ...	6	Residence for the Head Assistant Collector ...
	Cuddapah ...	Madanapalle.	7	Sub-Collector's Cutcherry ... ...
	Ganjam ...	Berhampore ...	8	Sehior Assistant Collector's Cutcherry ...
	Godávari Eastern.	Pentapad ...	9	Third-class Taluk Cutcherry ... ...
	Do. ...	Potavaram ...	10	Taluk Cutcherry ... ...
	Do. ...	Cocanada ...	11	Additions to the Collector's Cutcherry ... ...
	Godávari Western.	Narsápur ...	12	Taluk Cutcherry ... ...
	Do. ...	Tanuku ...	13	Do. ... ...
	Do. ...	Bhimavaram.	14	Do. ... ...
	Kistna Eastern.	Avanigada ...	15	Deputy Tahsildar's Cutcherry ... ...
	Kurnool ...	Nandikótkur.	16	Improving old Cutcherry and completing out-houses.
	Madura ...	Nilacotta ...	17	Deputy Tahsildar's Cutcherry ... ...
	Do. ...	Oothamapolliem	18	Do. do. ... ...
	Do. ...	Vedasendur ...	19	Do. do. ... ...
	Negapatam ...	Negapatam ...	20	Sub-Collector's Cutcherry ... ...
	Salem ...	Omalúr ...	21	Deputy Tahsildar's Cutcherry ... ...
	Tanjore ...	Kodavasul ...	22	Do. do. ... ...
	Tinnevelly ...	Shermádevi ...	23	Head Assistant Collector's Office ... ...
	Vizagapatam.	Parvatipur ...	24	Third-class Taluk Cutcherry ... ...

Carried over ...

OF MADRAS.

CLASS B WORKS.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83.

Amount of Estimate.	Outlay. Actual to end of 1880-81.	Outlay. Probable during 1881-82.	Amount Applied for, 1882-83. Amount.	Amount Applied for, 1882-83. Total.	Item No.	Remarks and References.
Rs.	Rs.	Rs.	Rs.	Rs.		
3,950	...	...	3,950		1	G.O., No. 2900, of 10th October 1874. Item No. 4, Class B Works of 1881-82, Budget.
26,715	...	...	10,000		2	G.O., No. 3529, of 15th December 1874. Item No. 6, Class B Works of 1881-82, Budget.
31,680	...	...	15,000		3	G.O., No. 59, of 7th July 1875. Item No. 7, Class B Works of 1881-82, Budget.
17,600	...	...	6,000		4	G.O., No. 29, of 3rd February 1876. Item No. 9, Class B Works of 1881-82, Budget.
3,490	...	...	3,490		5	G.O., 4001 W., of 14th October 1878. Item No. 10, Class B Works of 1881-82, Budget.
10,580	...	...	10,580		6	G.O., No. 4761 W., 14th December 1878. Item No. 3, Class B Works of 1881-82, Budget.
14,895	...	...	5,000		7	G.O., No. 2137 W., of 13th May 1878. Item No. 8, Class B Works of 1881-82, Budget.
5,340	...	...	5,340		8	G.O., No. 2541 W., of 8th October 1879. Item No. 25, Class B Works of 1881-82, Budget.
7,200	...	...	4,000		9	G.O., No. 1311, of 8th May 1875. Item No. 11, Class B Works of 1881-82, Budget.
7,600	212	...	4,000		10	G.O., No. 184, of 20th December 1872. Item No. 12, Class B Works of 1881-82, Budget.
31,870	12,345	...	20,000		11	G.O., No. 106, of 14th July 1875 and No. 2363 W., of 1st June 1878. Item No. 13, Class B Works of 1881-82, Budget.
22,000	...	...	10,000		12	G.O., No. 3563, of 20th December 1875. Item No. 14, Class B Works of 1881-82, Budget.
21,420	...	...	10,000		13	G.O., No. 3563, of 20th December 1875.
22,650	...	...	10,000		14	G.O., No. 3563, of 20th December 1875.
9,420	...	...	...		15	G.O., No. 193, of 15th April 1875. Item No. 15, Class B Works of 1881-82, Budget.
10,000	...	...	10,000		16	G.O., No. 3454, of 10th August 1876. Item No. 5, Class B Works of 1881-82, Budget.
11,828	...	...	10,000		17	G.O., No. 515 W., of 1st February 1878. Item No. 17, Class B Works of 1881-82, Budget.
11,993	...	...	10,000		18	G.O., No. 515 W., of 1st February 1878. Item No. 18, Class B Works of 1881-82, Budget.
11,828	...	...	10,000		19	G.O., No. 515 W., of 1st February 1878. Item No. 19, Class B Works of 1881-82, Budget.
11,560	...	...	5,000		20	G.O., No. 1022, of 26th March 1877. Item No. 21, Class B Works of 1881-82, Budget.
9,020	...	...	9,020		21	G.O., No. 5, of 2nd November 1874. Item No. 20, Class B Works of 1881-82, Budget.
9,410	...	...	...		22	G.O., No. 1981 W., of 10th August 1881.
10,275	...	...	10,275		23	G.O., No. 1353 W., of 12th May 1879. Item No. 23, Class B Works of 1881-82, Budget.
8,460	...	...	8,460		24	G.O., No. 66 W., of 12th January 1881.
...	...	...	1,90,115			

GOVERNMENT OF MADRAS.

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER PART I.—CLASS B WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.	Outlay. Actual to end of 1880-81.	Outlay. Probable during 1881-82.	Amount applied for, 1882-83. Amount.	Amount applied for, 1882-83. Total.	Item No.	Remarks.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. 1,90,115	Rs.		
Provincial Services—*cont.* Imperial—*cont.* 12 Administration—*cont.* 13 Minor Department. 14 Law and Justice.				PROVINCIAL ORDINARY—*cont.* Civil Buildings—*cont.* *Original Works*—cont.							
	West Coast ...	Mangalore ...	25	Additions to the Collector's Cutcherry	22,338	...	...	12,000	2,02,115	25	G.O., No. 71 W., of 12th January 1881.
	Presidency ...	Madras ...	26	Providing Lightning Conductors to the Government Central Museum.	2,850	...	...	2,850		26	G.O., No. 1346 W., of 8th August 1881.
	Bellary ...	Sirugúppa ...	27	Sub-Magistrate's Cutcherry	12,680	...	...	7,000	2,850	27	G.O., No. 22 W., of 6th January 1879. Item No. 28, Class B Works of 1881-82, Budget.
	Chingleput ...	Tiruvallúr ...	28	Additions to the District Munsif's Court	5,560	...	...	5,560		28	G.O., No. 2153 W., of 31st August 1881.
	Cuddapah ...	Cuddapah ...	29	Additions and alterations to the District Court-house.	7,780	...	...	7,780		29	G.O., No. 1348 W., of 10th May 1879. Item No. 29, Class B Works of 1881-82, Budget.
	Godávari Eastern.	Rajahmundry.	30	District Munsif's Court	33,200	...	...	5,000		30	G.O., No. 582 W., of 4th February 1878. Item No. 32, Class B Works of 1881-82, Budget.
	Do. ...	Peddapuram ...	31	Do. do.	10,300	...	...	...		31	G.O., No. 778 W., of 25th September 1877. Item No. 33, Class B Works of 1881-82, Budget.
	Do. ...	Tuni ...	32	Sub-Magistrate's Cutcherry	7,500	...	...	...		32	G.O., No. 1214 W., of 8th May 1877. Item No. 34, Class B Works of 1881-82, Budget.
	Do. ...	Pithápuram ...	33	Do. do.	7,040	...	...	...		33	G.O., No. 1214 W., of 8th May 1877. Item No. 35, Class B Works of 1881-82, Budget.
	Do. ...	Rahitapuram ...	34	Do. do.	7,400	...	...	...		34	G.O., No. 1311, of 8th May 1875. Item No. 36, Class B Works of 1881-82, Budget.
	Kistna Western.	Bápatla ...	35	District Munsif's Court	12,320	...	...	12,320		35	G.O., No. 96, of 11th December 1875. Item No. 37, Class B Works of 1881-82, Budget.
	Kurnool ...	Owk ...	36	Sub-Magistrate's Cutcherry	14,106	...	...	5,000		36	G.O., No. 2254 W., of 22nd May 1878. Item No. 30, Class B Works of 1881-82, Budget.
	Do. ...	Pyápali ...	37	Do. do.	11,802	...	...	5,000		37	G.O., No. 2254 W., of 22nd May 1878. Item No. 31, Class B Works of 1881-82, Budget.
	Negapatam ...	Arantángi ...	38	Do. do.	9,365	...	...	5,000		38	G.O., No. 1505 W., of 25th March 1873. Item No. 38, Class B Works of 1881-82, Budget.
	Nellore ...	Allúr ...	39	Alterations and improvements to the Sub-Magistrate's Cutcherry.	2,780 4,090	C. L. F. Provincial.	...	6,600		39	G.O., No. 222 W., of 28th August 1874. Item No. 39, Class B Works of 1881-82, Budget.
	Do. ...	Dorsi ...	40	Improvements to the Sub-Magistrate's Cutcherry ...	9,180	...	...	9,180		40	G.O., No. 222, of 20th August 1874. Item No. 40, Class B Works of 1881-82, Budget.
	Tinnevelly ...	Virdupati ...	41	Sub-Magistrate's Cutcherry	7,300	...	...	7,300		41	G.O., No. 3376, of 1st December 1874. Item No. 44, Class B Works of 1881-82, Budget.
	West Coast ...	Cooldspoor ...	42	District Munsif's Court	9,800	...	...	9,800		42	G.O., No. 2068 W., of 8th August 1879. Item No. 46, Class B Works of 1881-82, Budget.
	Do. ...	Tellicherry ...	43	Do. do.	13,200	...	...	13,200		43	G.O., No. 1570 W., of 23rd June 1881.
	Do. ...	Puthoor ...	44	Do. do.	14,700	...	...	14,700		44	G.O., No. 1050 W., of 23rd April 1881.
	Do. ...	Kuttuparamba,	45	Sub-Magistrate's Cutcherry	15,085	...	...	15,085		45	G.O., No. 1021, of 20th March 1877. Item No. 47, Class B Works of 1881-82, Budget.
									1,28,525		
				Carried over ...	...	...	...	...	3,33,490		

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.
				Brought forward ...
				PROVINCIAL ORDINARY—*cont.*
				Civil Buildings—*cont.*
				Original Works—cont.
Provincial Services—*cont.*				
Provincial—				
16 Jails—	Bellary ...	Allúr ...	46	Subsidiary Jail ... ...
	Cuddapah ...	Borhampore ...	47	Subsidiary Jail with out-houses ... ...
	Kurnool ...	Kurnool ...	48	District Jail ... ...
	Tinnevelly ...	Sankaranainárkoil.	49	Adding Subsidiary Jail and out-houses to the Taluk Cutcherry.
	Trichinopoly ...	Trichinopoly ...	50	Additions and alterations to the Central Jail ...
19 Medical—	Godávari Eastern.	Bhadráchalam.	51	Constructing a Dispensary ... ...
20 Miscellaneous—	Presidency ...	Ráyapuram ...	52	Prolonging tramway from the Grand Jail to the site of the new Workshops at the Seven Wells.
	Tanjore ...	Tanjore ...	53	Divisional Office ... ...
	Vizagapatam ...	Waltair ...	54	Executive Engineer's Office with accommodation for Overseers' Offices and Stores.
				Total, Civil Buildings ...
				Communications.
				Original Works.
Metalled and Bridged Roads—	Madura ...	...	55	Chatram at the head of the Oódalúr Ghât ...
				Total, Communications ...

MADRAS.

OF MADRAS.

13

B WORKS—concluded.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83—*continued.*

Amount of Estimate.	Outlay.		Amount Applied for, 1882-83.		Item No.	Remarks.
	Actual to end of 1880-81.	Probable during 1881-82.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs. 3,33,400		
10,770	...	...	5,000		46	G.O., No. 2143 W., of 13th May 1878. Item No. 49, Class B Works of 1881-82, Budget.
2,730	...	...	2,730		47	G.O., No. 2541 W., of 8th October 1879. Item No. 52, Class B Works of 1881-82, Budget.
...	...	...	...		48	Item No. 48, Class B Works of 1881-82, Budget.
3,900	....	...	3,900		49	G.O., No. 1907 W., of 19th July 1879. Item No. 50, Class B Works of 1881-82, Budget.
19,270	12,700	...	...	11,630	50	G.O., No. 166 W., of 12th January 1878. Item No. 51 Class B Works of 1881-82, Budget.
3,696	...	...	...		51	G.O., No. 4514 W., of 26th November 1878. Item No. 55, Class B Works of 1881-82, Budget.
5,250	...	...	5,250		52	G.O., No. 1870, of 11th July 1874, and No. 2311, of 9th August 1875. Item No. 58, Class B Works of 1881-82, Budget.
10,835	...	...	10,835		53	G.O., No. 2822 W., of 14th November 1881.
7,635	...	...	7,635	23,720	54	G.O., No. 439, of 16th February 1875. Item No. 59, Class B Works of 1881-82, Budget.
...	...	...	...	3,68,840		
4,000	...	...	4,000		55	G.O., No. 1410, of 12th April 1877. Item No. 61, Class B Works of 1881-82, Budget.
...	...	...	...	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 1882-83.

Head of Classification.	Division.	Locality.	Items.	Estimate, 1882-83. Amount.	Estimate, 1882-83. Total.	Estimate, 1881-82. Amount.	Estimate, 1881-82. Total.
				Rs.	Rs.	Rs.	Rs.
			Civil Buildings.				
		Ganjam ...	Annual Repairs	300		1,000	
		Vizagapatam.	Do.	700			
		Godávari Eastern.	Do.	500		...	
		Kistna Eastern.	Do.	2,000		400	
		Do. Western.	Do.	400		200	
		Nellore ...	Do.	5,000		1,000	
		Bellary ...	Do.	1,000			
		Cuddapah ...	Do.	1,000		500	
		Kurnool ...	Do.	1,000			
		West Coast ...	Do.	1,000		1,000	
		Coimbatore ...	Do.	4,000		1,000	
		Salem ...	Do.	1,000		300	
		North Arcot ...	Do.	4,000		500	
		South do. ...	Do.	500		3,375	
		Chinglepat ...	Do.	1,580		1,000	
		Presidency ...	Do.	6,000		24,000	
		Trichinopoly.	Do.	40,000		500	
		Tanjore ...	Do.	700		20,250	
		Negapatam ...	Do.	*24,250		200	
		Tinnevelly ...	Do.	200		150	
			Total, Civil Buildings.	...	94,630	...	64,175
			Communications.				
		Ganjam ...	Annual Repairs	600		600	
		Vizagapatam.	Do.	2,000		2,000	
		Godávari Eastern.	Do.	15,000		8,000	
		Presidency ...	Do.	18,453		18,453	
			Total, Communications.	...	36,053	...	29,053
			Miscellaneous Public Improvements.				
		Godávari Western.	Annual Repairs	100		...	
		Presidency ...	Do.	2,000		2,000	
			Total, Miscellaneous Public Improvements.	...	2,100	...	2,000
			Grand Total ...	...	1,32,783	...	95,228

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

GOVERNMENT OF MADRAS. 19

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1882-83.

Number. 1881-82	Number. 1882-83	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH.						
		Engineer Establishment.						
		Chief Engineers.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, General and Buildings and Roads Branches	2,500					
		Net Military pay proper of a Colonel, R.E.	304½		2,804			
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000					
		Net Military pay proper of Colonel, R.E.	304½		2,304			
		Total, Chief Engineers ...	...		5,108	61,296	61,296	
		Superintending Engineers.						
2*	3†	Superintending Engineer, 1st Class.	1,600		4,800			* Does not include the Consulting Engineer for Railways.
1	2	Superintending Engineer, 2nd Class.	1,350		2,700			† Includes the Consulting Engineer for Railways.
1	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., Consulting Engineer for Railways, who holds the personal rank of a Chief Engineer, 3rd Class.	...		200			
		Military pay and allowances.	...		1,332			
4*	7†	Total, Superintending Engineers.	...		11,232	1,34,784	80,868	
		Executive Engineers.						
6‡	10§	Executive Engineers, 1st Grade.	950		9,500			‡ Does not include the two
7‡	11§	Executive Engineers, 2nd Grade.	800		8,800			
7	11	Executive Engineers, 3rd Grade.	650		7,150			
4	4	Executive Engineers, 4th Grade.	550		2,200			
21	36	Carried over ...	...		27,650			

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82	Number. 1882-83	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
24	36	Brought forward ...	...	27,650	1,96,080	...	1,42,164	
		EXECUTIVE BRANCH. —*cont.*						
		Engineer Establishment. —*cont.*						
		Executive Engineers.—cont.						
		Difference between the consolidated salary of an Executive Engineer, 1st Grade, and that of Consulting Architect to Government.	...	250	...	...	...	* Does not include the two Deputy Consulting Engineers for Railways. † Includes the two Deputy Consulting Engineers for Railways, Rs. 4,320 ‡ Excluding Rs. ... chargeable to Public Works Workshops.
		Military pay and allowances.	...	3,314	...	...	...	
*21	†36	Total Executive Engineers.	...	31,214	3,74,568	...	‡2,40,840	
		Assistant Engineers.						
21	27	Assistant Engineers, First Grade.	450	12,150	...	...	...	
16	20	Assistant Engineers, Second and Third Grades.	350 & 250 18 2	6,800	...	...	...	
		Military pay and allowances.	...	487	...	...	...	
37	47	Total, Assistant Engineers.	...	19,437	2,33,244	...	1,96,614	
		Total, Engineer Establishment.	...	...	...	8,03,892	5,79,618	
		Deduct— The pay of Consulting Engineer for Railways and his two Deputies, chargeable to Railway Impe-						

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE. MADRAS.

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82	Number. 1882-83	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Upper Subordinate Establishment.						
		Sub-Engineers.						
5	9	Sub-Engineers, 1st Grade.	100	500				
4	9	Do. 2nd "	300	2,700				
9	17	Do. 3rd "	250	4,250				
		Military pay and allowances.	...	335				
18	35	Total, Sub-Engineers ...	...	16,435	1,31,220			
		Supervisors.						
14	22	Supervisors, 1st Grade ...	200	4,400				
22	36	Do. 2nd " ...	150	5,400				
		Military pay and allowances.	...	65				
36	58	Total, Supervisors ..	...	9,865	1,18,380			
		Overseers.						
32	28	Overseers, 1st Grade ...	100	2,800				
32	28	Do. 2nd " ...	80	2,240				
42	36	Do. 3rd " ...	60	2,160				
		Military pay and allowances.	...	408				
106	92	Total, Overseers ...	...	7,608	91,296			
		Sub-divisional allowance for 10 Upper Subordinates.	30	300	3,600			
		Surveyors.						
...	4	Surveyors ...	200	800				
...	4	Do.	150	600				
...	4	Do.	100	400				
...	4	Do.	80	320				
...	16	Total, Surveyors ...	...	2,120	25,440			
160	185	Total Upper Subordinate Establishment.	...	...	3,71,016			
	16							
	291							
		Deduct— The pay and allowance of a Sub-Engineer, 3rd Grade, a Supervisor, 2nd Grade, and an Overseer, 2nd Grade, chargeable to Public Works Workshops (250 + 150 + 80) 480.		480				
		Net Total Upper Subordinate Establishment.	...	...	5,769	...	3,000	
						3,65,256	2,56,332	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART III—continued.

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

Numbers.		Particulars.	Salary of Office.	Estimate for 1882-83.			Estimate for 1881-82.	Remarks.
1881-82.	1882-83.			Per Mensem.	Per Annum.	Total.		
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —cont.						
		Lower Subordinate Establishment.						
5	2	Sub-Overseers, 1st Grade...	60	120				
15	6	Do. 2nd „	20	120				
20	8	Total, Lower Subordinate Establishment.	...	240*	2,880	2,880	7,200	*For Kurnool District only.
		Petty Establishment.						
		Storekeepers.†						
4	4	Storekeepers	30	120				
7	7	Do.	25	175				
8	8	Do.	20	160				
7	7	Do.	15	105				
20	26	Total, Storekeepers	...	560	6,720			

† 4 at Rs. 30 for—
(1.) Buckingham Canal.
(2.) West Coast.
(3.) Godavari Eastern Division.
(4.) Kistna Eastern Division.

7 at Rs. 25 for—
(1.) Godâveri Western.
(2.) Kistna Western.
(3.) Madras Irrigation and Canal Company.
(4.) South Arcot.
(5.) Tanjore.
(6.) Tinnevelly.
(7.) Presidency.

8 at Rs. 20 for—
(1.) Nellore.
(2.) Cuddapah.
(3.) Coimbatore.
(4.) North Arcot.
(5.) Chingleput.
(6.) Trichinopoly.
(7.) Negapatam.
(8.) Sangam Project.

7 at Rs. 15 for—
(1.) Ganjam.
(2.) Vizagapatam.
(3.) Bellary.
(4.) Salem.
(5.) Madura.
(6.) Kurnool.
(7.) Patchaiappa Subdivision.

...	...		...	...	6,720	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number.		Particulars.	Salary of Office.	Estimate for 1882-83.			Estimate for 1881-82.	Remarks.
1881-82.	1882-83.			Per Mensem.	Per Annum.	Total.		
			Rs.	Rs.	Rs.	Rs.	Rs.	
20	26	Brought forward ...	...	...	6,720	...	...	
		EXECUTIVE BRANCH —cont.						
		Petty Establishment—cont.						
		*Medical Establishment.**						
1	1	Assistant Apothecary ...	62½	62½				
4	4	Hospital Assistants ...	20, 40, 55 & 60	175				
		Jeypore allowance for one.	25	25				
		Charge do. for do.	15	15				
11	9	Lascars, tories, cook, sweeper, &c., of the Medical Establishment—						
		1 at Rs. 7 ... 7						
		1 at „ 6 ... 6						
		1 at „ 4 ... 4						
		1 at „ 3½ ... 3½						
		4 at „ 2½ ... 10	3½?	32½				
		1 at „ 2 ... 2						
		9		32½				
1	1	Gumastah	5	5				
		Total, Medical Establishment.	...	315				
1	1†	Maistry	40	40				
410	500‡	Lascars	6	3,000				
	5	Sweepers for Presidency Division.	3 and 5	19				
448	547	Total, Petty Establishment.	...	3,574	40,488	47,208	38,901	
		Office Establishment.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	300	600				
1	1	Second do.	300	300				
1	1	Clerk, 1st Class, 3rd Grade.	225	225				
2	2	Do., 2nd „ 2nd „	140	280				
1	1	Do., 2nd „ 3rd „	110	110				
5	5	Do., 3rd „ 2nd „	70	350				
3	3	Do., 3rd „ 3rd „	55	165				
1	1	Do., 4th „ 1st „	45	45				
15	15	Carried over ...	...	2,075	...	...	...	

* Godâveri Eastern Division.
One Hospital Assistant 40
Charge Allowance for above 15
One Lascar 7
One Sweeper 4

Kistna Eastern Division.
One Assistant Apothecary 62½
One Lascar 7
One Tory 7
One Female Tory ... 2½
One Cook 2
One Waterwoman ... 2½
One Ward Coony ... 2½
One Gumastah ... 5

Kistna Western Division.
One Hospital Assistant 65

Vizagapatam Division.
One Hospital Assistant 60
Jeypore Allowance ... 25
One Hospital Sweeper ... 9

Kurnool Division.
One Hospital Assistant 60
† For Establishment. ... 20
‡ As per Financial Settlement entered in to in G.O., No. 1402 Way dated 9th July 1881 ... ...
Additional for Kurnool Division ... 455
Transferred from under Medical Establishment 2

Distribution as follows:—
3 Superintending Engineers' Offices at Rs. 4 each ... 12
25 Divisional Offices at Rs. 3 each ... 75
Consulting Architect to Government ... 8
50 Subdivisional Offices at Rs. 3 each ... 150
182 Detached Officers at Rs. 1 each ... 182
Public Works Stores ... 12
Buckingham Canal Division ... 5
Examiner's Office ... 3
Lascars under Sub-Overseers, Kurnool Division 3

10 per cent. for Contingencies 45

Total ... 500

GOVERNMENT OF MADRAS.

PART III.—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
15	15	Brought forward ...	Rs. ...	Rs. 2,075	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH—*cont.*						
		OFFICE ESTABLISHMENT—*cont.*						
		For Chief Engineer and Secretary to Government, Public Works Department—cont.						
2	3	Clerk, 4th Class 2nd Grade.	85	105				
1	2	Do., 4th „ 3rd „	25	50				
				2,230				
2	2	Draftsmen, 1st Class	60	120				
1	1	Do., 2nd „	42½	42½				
				162½				
1	5	Attenders	15, 13 & 8	38				
1	1	Moochi	10					
2	2	Head Messengers	14	14				
7	7	Messengers	12 & 9 4 at 8 & 3 at 7	21 53				
				123				
32	36	Total, Public Works Secretariat Office Establishment.	...	2,518½	30,222	...	29,112	
		Lithographic Establishment.						
1	1	Superintendent	250	250				
1	1	Head Draftsman	120	120				
1	1	Second do.	100	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	Tracer and Moochi ...	16	16				
1	1	Head Printer	20	20				
1	1	Second do.	12	12				
2	2	Pressmen	12	24				
6	6	Do.	9	54				
24	24	Carried over ...	...	1,075	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
24	24	Brought forward ...	...	901	...	...	...	
		EXECUTIVE BRANCH—*cont.*						
		OFFICE ESTABLISHMENT—*cont.*						
		Lithographic Establishment—cont.						
2	2	Pressmen	7	14				
2	2	Do.	5	10				
28	28	Total, Lithographic Establishment.	...	925	11,100	...	11,100	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
1	1	Clerk, 1st Class, 3rd Grade.	225	225				
1	1	Do. 2nd „ 2nd „ ...	140	140				
1	1	Do. 2nd „ 3rd „ ...	110	110				
1	1	Do. 3rd „ 1st „ ...	90	90				
1	1	Do. 3rd „ 2nd „ ...	70	70				
1	1	Do. 3rd „ 3rd „ ...	55	55				
1	2	Do. 4th „ 1st „ ...	45	90				
2	3	Do. 4th „ 2nd „ ...	35	105				
3	1	Do. 4th „ 3rd „ ...	25	25				
				910				
1	1	Draftsman, 1st Class ...	60	60				
2	2	Do. 2nd „ ...	42½	85				
2	2	Do. 3rd „ ...	25	50				
				195				
1	1	Reference Picker	10	10				
1	1	Moochi	10	10				
1	1	Head Messenger	8	8				
2	2	Messengers	7	14				
2	2	Do.	6	12				
3	3	Lascars	7	21				
				75				
27	27	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,180	14,160	...	14,160	
		For six Superintending Engineers.						
1	1	Clerk, 2nd Class, 3rd Grade.	110	110				
1	1	Do. 3rd „ 2nd „	70	70				
1	1	Do. 4th „ 1st „	45	45				
3	3	Carried over ...	...	225	...	...	...	

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
3	3	Brought forward ...	Rs. ...	Rs. 225	Rs. ...	Rs. ...	Rs. ...	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For six Superintending Engineers—cont.						
1	1	Clerk, 4th Class, 2nd Grade.	35	35				
2	2	Do. 4th „ 3rd „	25	50				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 2nd „ ...	42½	42½				
1	1	Messenger	8	8				
3	3	Do.	6	18				
12	12	Total for each Office ...		438½ 6				
*54	72	Total for six Offices ...	...	2,631	31,572	———	*22,938	* Includes Establishment for two Offices of Superintendents of Works.
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 1st „	45	45				
2	2	Do. 4th „ 2nd „	35	70				
3	3	Do. 4th „ 3rd „	25	75				
2	2	Do. 5th „ 1st „	17½	35				
		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				
16	17	Total, Office Establishment, Presidency Division.		555½	6,666	———	5,826	
		For Godávari 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	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
10	10	Total, Office Establishment, Godávari Eastern Division.	....	323	3,876	———	3,876	

GOVERNMENT OF MADRAS.

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PART III.—(Continued.)

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For Kistna, Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.						
1	1	Do. 4th „ 1st „	70	70				
3	3	Do. 4th „ 2nd „	45	45				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	35	35				
1	1	Draftsman, 1st Class	25	75				
1	1	Do. 3rd „ ...	25	25				
1	1	Messenger	60	60				
1	1	Do.	25	25				
			7	7				
10	11	Total, Office Establishment, Kistna Eastern Division.	6	6				
			...	348	4,176	...	3,876	
		*For Seven First Class Divisions.**						
1	1	Clerk, 3rd Class, 2nd Grade.						
1	1	Do. 4th „ 1st „	70	70				
2	2	Do. 4th „ 2nd „	45	45				
1	1	Draftsman, 1st Class „	35	35				
1	1	Do. 3rd „ ...	25	50				
1	1	Messenger	60	60				
		Do.	25	25				
9	9	Total for each office ...	7	7				
†54	63	Total for seven offices ...	6	6				
			...	298				
			...	7				
		For Nine Second Class Divisions.‡	...	2,086	25,032		21,456	† For six 1st Class Divisions.
1	1	Clerk, 3rd Class, 2nd Grade.						
1	1	Do. 4th „ 2nd „	70	70				
2	2	Do. 4th „ 3rd „	35	35				
1	1	Draftsman, 1st Class „	25	50				
1	1	Do. 3rd „ ...	60	60				
			25	25				
6	6	Carried over ...	...			...	...	...

* 1. Godávari Western.
2. Kistna Western.
3. Madras Irrigation Canal
4. South Arcot.
5. Buckingham Canal.
6. Tanjore.
7. Tinnevelly.

‡ 1. Nellore.
2. Cuddapah.
3. West Coast.
4. Coimbatore.
5. North Arcot.
6. Chingleput.
7. Trichinopoly.
8. Negapatam.
9. Sangum Project.

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
6	6	Brought forward ...	Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*		240				
		Office Establishment —*cont.*						
		For nine Second Class Divisions—cont.						
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...		253				
*64	72	Total for nine offices ...		9				
	1	Add Cashier for Sangum Project Division (Clerk 4th Class, 1st Grade).	45	2,277 45				
64	73			2,322	27,864	...	* 24,288	* For eight 2nd Class Divisions.
		For six Third Class Divisions†.						† 1. Ganjam. 2. Vizagapatam. 3. Bellary. 4. Salem. 5. Madura. 6. Kurnool.
1	1	Clerk, 3rd Class, 3rd Grade:						
1	1	Do. 4th " 2nd "	55	55				
2	2	Do. 4th " 3rd "	35	35				
1	1	Draftsman, 2nd Class ...	25	50				
1	1	Do. 3rd " ...	42½	42½				
1	1	Messenger	25	25				
1	1	Do.	7	7				
8	8	Total for each office ...	6	6				
*16	48	Total for six offices ...	...	220½ 6				
			...	1,323	15,876	...	‡ 5,292	‡ For two 3rd Class Divisions.
		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				
		Do.	6	6				
6	6	Total, Office Establishment for Consulting Architect to Government.	...	270½	3,246	...	3,246	

GOVERNMENT OF MADRAS.

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PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Offices.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		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				
2	2	Messenger	8	8				
2	2	Do.	7	14				
		Do.	6½	13				
9	9	Total, Office Establishment Public Works Stores.	...	305	3,660		3,660	
		Office (Toll) Establishment, Buckingham Canal.						
72	3	Clerks, 4th Class, 2nd Grade.	35	105				
	7	Do. 4th " 3rd " ...	25	175				
	9	Do. 5th " 1st " ...	17½	157½				
	2	Do. 5th " 2nd " ...	12½	25				
	1	Lascar	8	8				
	22	Lascars	7	154				
	25	Do.	6	150				
72	69	Total, Office (Toll) Establishment, Buckingham Canal.	...	774½	9,294		9,132	
		For four Project Divisions.						
...	2	Draftsmen, 1st Class ...	60	120				
...	2	Do. 2nd " ...	42½	85				
...	1	Clerk, 4th Class, 2nd Grade.	35	35				
...	1	Do. 5th " 1st "	17½	17½				
...	1	Messenger	7	7				
		Do.	6	6				
...	8	Total for each Project Division Office.	...	270½				
				4				
...	32	Total for four offices ...	...	1,082	12,984			

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82	Number. 1882-83	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		Office Establishment. —*cont.*						
		For fifty Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Messenger	6	6				
2	2	Total for each office ...	...	31				
*80	100	Total for fifty offices ...	...	50 1,550	18,600	...	*14,880	*For forty Sub-division Offices.
		For eighty-eight Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Total for each detached officer.	...	25				
†55	88	Total for eighty-eight officers.	...	88 2,200	26,400	...	†16,500	†For fifty-five Detached Officers.
		For ninety-two Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	17½	17½				
1	1	Total for each Overseer...	...	17½				
‡106	92	Total for ninety-two Overseers.	...	92 1,610	19,320	...	‡ 22,260	‡For one hundred and six Overseers.
		Abstract of Office Establishment.						
32	36	Public Works Secretariat ...	...	...	30,222	...	29,142	
28	28	Lithographic Establishment.	...	...	11,100	...	11,100	
27	27	Office of Chief Engineer for Irrigation.	...	...	14,160	...	14,160	
54	72	Six Superintending Engineers' offices.	...	...	31,572	...	22,938	
16	17	Presidency Division Office.	...	...	6,666	...	5,826	
10	10	Godávari Eastern Division Office.	...	...	3,876	...	3,876	
16	11	Kistna Eastern Division Office.	...	...	4,176	...	3,876	
54	63	7 1st Class Division Offices.	...	...	25,032	...	21,456	
231	264	Carried over ...			1,26,804		1,12,374	

GOVERNMENT OF MADRAS.

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PART III—continued.

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

Number. 1881-82	Number. 1882-83	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
231	264	Brought forward ...	Rs.	Rs.	Rs. 1,26,804	Rs.	Rs. 1,12,374	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		Abstract of Office Establishment—cont.						
64	73	9 2nd Class Division Offices.	...	...	27,864	...	24,288	
16	48	6 3rd Class Division Offices.	...	...	15,876	...	5,292	
6	6	Office of Consulting Architect to Government.	...	...	3,246	...	3,246	
9	9	Office Establishment, Public Works Stores.	...	...	3,660	...	3,660	
72	69	Toll Establishment, Buckingham Canal.	...	...	9,294	...	9,132	
...	32	4 Project Division Offices.	...	...	12,984	...	...	
80	100	50 Sub-divisional Offices ...	...	...	18,600	...	14,880	
55	88	88 Detached Officers ...	...	...	26,400	...	16,500	
106	92	92 Overseers	...	...	19,320	...	22,260	
639	781	Total, Office Establishment.	...	...	2,64,048	...	2,11,632	
		Irrigation Establishment.						
		Survey	...	...	...	...	...	
		Water Regulation	...	...	89,633	...	15,000	
		Navigation	...	...	29,763	...	91,646	
		River Conservancy	...	...	3,120	...	29,544	
		Special Reconnaissance Investigation by Mr. Wilson.					3,120	
		Office Establishment required for the preparation of Irrigation Accounts.	...	...	13,000	...	10,000	
		Establishment for the preparation of Irrigation Registers.	...	...	3,000	...	...	
		Total, Irrigation Establishment.	...	...	1,33,521	...	1,49,310	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Temporary Establishment.	...	...	25,000	...	25,000	
		Local Allowances.						
		Upper Godávari Allowance.	....	50	600			
		Wynaad Allowance ...	...	...	2,000			
		Potingy Ghát and Jeypore Allowance.	...	....	3,000			
		Presidency House-rent ...	...	700	8,400			
		Presidency Allowance ...	...	900	10,800			
		Total, Local Allowances ...	...	...	24,800	...	19,460	
		Travelling Allowances ...	...	...	...	2,00,000	1,60,000	
		Contingencies inclusive of Postage.						
		Public Works Secretariat ... 500						
		Office of Chief Engineer for Irrigation 150						
		6 Superintending Engineers' Offices.		4,050	48,600	48,600	37,800	
		26 Divisional Offices.						
		32 Offices at Rs. 100 each ... 3,200						
		Four Project Divisions at Rs. 50 each 200						
		Abstract of the Foregoing.						
		Engineer Establishment ...	...	...	7,49,178	...	5,79,648	
		Upper Subordinate Establishment.	...	...	3,65,256	...	2,56,332	
		Lower Subordinate Establishment.	...	...	2,880	...	7,200	
		Petty Establishment ...	...	...	47,268	...	38,904	
		Office do. ...	...	...	2,64,048	...	2,11,632	
		Irrigation do. ...	...	...	1,38,521	...	1,49,310	
		Carried forward ...			15,67,091		12,43,026	

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
		Brought forward ...	Rs.	Rs.	Rs. 15,67,091	Rs.	Rs. 12,43,026	
		EXECUTIVE BRANCH —*cont.*						
		Abstract of the Foregoing—cont.						
		Temporary Establishment.	...	...	25,000		25,000	
		Local Allowances ...	...	...	24,800		19,460	
		Total, Salaries ...	...	...	16,16,891		12,87,486	
		Travelling Allowances ...	...	...	2,00,000		1,60,000	
		Contingencies	...	...	48,600		37,800	
		Grand Total, Executive Branch.	...	...	18,65,491	...	14,85,286	
		ACCOUNTS BRANCH.						
		Examiner's Establishment.						
1	1	Examiner, 3rd Class ...	1,100	1,100	1,100	...		
2	2	Deputy Examiners, 1st Grade.	550	1,100	1,100	...		
1	1	Assistant Examiner, 2nd Grade.	250	250	250	...		
3	4	Total, Examiner's Establishment.	...	2,450	29,400	...	29,400	
		Accountants.						
1	1	Accountant, 1st Grade ...	400	400	400			
3	3	Accountants, 2nd ...	295	885	885			
4	6	Do. 3rd ,, ...	200	1,200	1,200			
10	15	Do. 4th ,, ...	115	1,725	1,725			
34	31	Do. 5th ,, ...	57½	1,782½	1,782½			
52	56	Total, Accountants ...			5,992½	71,910	...	62,550
		Office Establishment.						
		Clerks.						
1	1	Clerk, 2nd Class, 2nd Grade.						
1	1	Do. 3rd ,, 1st ,,						
1	3	Do. 3rd ,, 2nd ,,	140	140	140			
3	5	Do. 3rd ,, 3rd ,,	90	90	90			
5	6	Do. 4th ,, 1st ,,	70	210	210			
6	6	Do. 4th ,, 2nd ,,	65	275	275			
17	22	,,	35	210	210			
		Carried over ...	...	1,195	1,01,310	...	92,550	

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
17	22	Brought forward ...	...	1,195	1,01,310	...	92,770	
		ACCOUNTS BRANCH—*cont.*						
		Office Establishment—cont.						
		Clerks—cont.						
10	11	Clerks, 4th Class, 3rd Grade.	25	275				
3	3	Do. 5th „ 1st „ ...	17½	52½				
30	36	Total, Clerks ...	...	1,522½				
		Menial Servants.						
	1	Moochi	10	10				
	1	Do.	8	8				
	1	Head Messenger	10	10				
	1	Do.	8	8				
	4	Messengers	7	28				
	6	Do.	6	36				
	2	Rollers	5	10				
				110				
	16	Total, Menial Servants ...	...	1,632½	19,590	...	15,660	
		Total, Office Establishment.	...					
		LOCAL AND CHARGE ALLOWANCES.						
		Presidency House-rent ...	...	500				
		Do. Allowances ...	...	1,200				
		Charge Allowance for 20 5th Grade Accountants.	20	400				
		Total, Local and Charge Allowances.	...	2,100	25,200	...	18,960	
		Total Salaries	...	...	...	1,46,100	1,27,390	
		Travelling Allowances ...	...	...	...	3,600	2,400	
		Contingencies	...	...	...	4,800	4,500	
		Grand Total, Carried over.	...	...	...	1,54,500	1,34,290	

GOVERNMENT OF MADRAS.

PART III—continued.

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

Number. 18-1-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
		Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. 1,54,500	Rs. 1,34,290	
		ACCOUNTS BRANCH—*cont.*						
		Deduct contributions for three Accountants as follows:—						
		Madras Harbour Works ... 1						
		Presidency Workshops 1						
		Dowlaishweram Workshops ... 1						
		Total ... 3				5,160	5,910	
		Net Total, Accounts Branch Permanent.	...	...	...	1,49,340	1,28,380	
		TEMPORARY ESTABLISHMENT.						
		Temporary Office Establishment for the preparation of Capital and Revenue Accounts of Irrigation Works.	800	...	...	9,600	9,600	
		Grand Total, Accounts Branch.	...	...	...	1,58,940	1,37,980	

GOVERNMENT OF MADRAS.

PART III—continued.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENTS.

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate for 1881-82.	Remarks.
		ABSTRACT.	Rs	Rs.	Rs.	Rs.	Rs.	
		Executive Branch ..	...	...	...	18,65,491	14,85,286	
		Accounts Branch ...	...	...	...	1,58,940	1,37,980	
		Total, Public Works Establishment.	...	...	...	20,24,431	16,23,266	
		Probable Savings	...	...	...	...	10,000	
							16,13,266	
		Deduct Contributions.						
		From Capital Productive Public Works	...	...	1,84,726			
		Productive Public Works, Revenue Account ...	...	...	2,37,781			
		Irrigation and Navigation and Agricultural Works.	...	...	3,64,910			
		Imperial Military Works...	...	...	1,13,426			
		Imperial Other Services ...	...	...	58,040			
		Incorporated Local Funds.	...	...	15,000			
		Excluded Funds	...	...	4,979			
		Irrigation and Navigation under Provincial ...	...	...	54,817			
		Government of India Contribution from the General Grant for Protective Public Works	...	...	2,50,000			
		For work done by Lithographic Branch of the Public Works Secretariat.	...	...	6,000	12,89,879	9,66 667	
		Balance from Provincial ...		...	...	7,34,552	6,46,599	

GOVERNMENT OF MADRAS.

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PART IV.

DETAIL OF THE BUDGET-ESTIMATE FOR TOOLS AND PLANT UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1882-83.

Division.	Surveying and Mathematical Instruments.	Machinery.	Tools.	Plant.	Office Furniture.	Camp Equipage.	Live Stock.	Repairs and Carriage.	Total 1882-83.	Estimate 1881-82.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	...	...	...	...	...	...	600	...
Vizagapatam	...	...	...	...	...	...	...	...	600	1,000
Godávari Eastern	...	...	...	...	...	...	...	...	4,184	2,400
Do. Western	...	...	...	...	...	...	...	...	1,000	...
Kistna Eastern	...	...	...	...	...	...	...	...	9,017	14,200
Do Western	...	...	...	...	...	...	...	...	250	1,500
Nellore	...	...	...	...	...	...	...	...	2,300	387
Bellary	...	...	...	...	...	...	...	...	1,000	
Cuddapah	...	...	...	...	...	...	...	...	1,000	1,000
Kurnool	...	...	...	...	...	...	...	...	1,000	
West Coast	...	...	...	...	...	...	...	...	2,000	2,083
Coimbatore	...	...	...	...	...	...	...	...	500	600
Salem	...	...	...	...	...	...	...	...	600	600
North Arcot	...	...	...	...	...	...	...	...	600	600
South Arcot	...	...	...	...	...	...	...	...	2,600	350
Chingleput	...	...	...	...	...	...	...	...	600	500
Presidency	...	...	...	...	...	...	...	...	2,144	2,194
Trichinopoly	...	...	...	...	...	...	...	...	2,000	3,000
Tanjore	...	...	...	...	...	...	...	...	1,500	1,000
Negapatam	...	...	...	...	...	...	...	...	1,175	1,050
Tunevelly	...	...	...	...	...	...	...	...	3,300	3,317
Consulting Architect	...	...	...	...	...	...	...	...	2,500	2,560
Increase of Capital to the Dowlaishweram Workshops ...	....	...	...	...	...	...	...	...	...	20,000
General Superintendent, Public Works Stores	...	...	...	...	...	...	...	...	8,600	8,600
Special Plant	...	...	...	...	...	...	...	...	72,320	58,400
Reserve at the disposal of Government	...	...	...	...	...	...	...	...	10,182	...
Total ...	..	...	...	...	...	...	...	...	1,31,572	1,26,481
London Supplies	...	...	...	...	...	...	...	...	31,800	29,086
Grand Total ...	...	...	..	...	...	...	...	...	1,63,372	1,55,567

ABSTRACT OF THE FOREGOING PROVISION FOR TOOLS AND PLANT.

	Rs.	
Total of the details shown above		
Distribution of the above—		
Contribution from Imperial Military Works at 2½ per cent. on the grant for works ...		
Do. do. Other Services		
Do. from Irrigation and Navigation and Agricultural Works		
Do. from Capital Productive Public Works		
Do. from Productive Public Works, Revenue Account		
Do. Incorporated Local Funds		
Do. Excluded Funds		
Balance to be provided from Provincial	8,000	

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 Balances on 1st April 1881 ...	6,23,277	— 4,212	1,68,069	— 679	— 7	7,86,448
Probable charges during 1881-82 ...	4,86,923	1,79,212	2,92,831	8,079	9,007	9,76,052
Total ...	11,10,200	1,75,000	4,60,900	7,400	9,000	17,62,500
Probable credits or issues including sales and cash receipts during 1881-82	5,13,700	1,66,000	3,43,700	7,400	9,000	10,39,800
Probable balance on 1st April 1882 ...	5,96,500	9,000	1,17,200	...	...	7,22,700
Probable charges during 1882-83 ...	5,22,600	1,57,700	4,06,000	6,500	9,900	11,02,700
Total ...	11,19,100	1,66,700	5,23,200	6,500	9,900	18,25,400
Probable credits or issues including sales and cash receipts during 1882-83.	5,29,200	1,59,600	3,90,200	6,500	9,900	10,95,400
Probable balance on 31st March 1883.	5,89,900	7,100	1,33,000	...	...	7,30,000
RESULTS OF OPERATIONS OF 1882-83, VIZ:—						
Increase	...	...	15,800	...	...	15,800
Decrease	6,600	1,900	...	...	...	8,500
Net ...	— 6,600	— 1,900	15,800	...	...	7,300

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

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 Service.	Total 1882-83.	Estimate 1881-82.
CIVIL BUILDINGS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PROVINCIAL SERVICES—(IMPERIAL).									
13. Administration ...	1,06,162	...							
14. Minor Departments ...	...	...							
15. Law and Justice ...	1,09,110	...							
15. Ecclesiastical ...	9,400	...							
PROVINCIAL SERVICES—(PROVINCIAL).									
16. Jails	1,13,520	..	94,630	6,26,347					
17. Police	33,765	...							
18. Educational	...	...							
19. Medical	18,490	..							
20. Miscellaneous ...	80,970	...							
Minor Works ...	...	2,82,900	...	2,82,900					
TOTAL CIVIL BUILDINGS.	5,31,717	2,82,900	94,630	9,09,217					
COMMUNICATIONS.									
Metalled and bridged roads	1,20,000	...							
Navigable Canals ...	....	...	36,053	1,56,053					
TOTAL, COMMUNICATIONS.	1,20,000	...	36,053	1,56,053					
MISCELLANEOUS PUBLIC IMPROVEMENTS.									
Harbours and Navigation	82,748	...	2,100	84,848					
...l...	7,34,465	2,82,900	1,32,783	11,50,148	7,34,562	8,000	7,30[illegible]	[illegible]10,60[illegible]	

GOVERNMENT OF MADRAS.

APPENDIX D.

ESTIMATED ACCOUNT OF RECEIPTS AND CHARGES OF THE BUILDINGS AND ROADS BRANCH, PUBLIC WORKS DEPARTMENT, MADRAS, FOR THE YEARS 1881-82 AND 1882-83.

Accounts.	Budget Estimate.	Regular Estimate.
	Rs.	Rs.
To Balance at commencement of year	36,490	28,068
To Civil Department—		
Cheques of Public Works Officers	59,85,928	58,90,000
Provincial Service Receipts	1,50,000	1,70,000
Local Fund Receipts	...	...
Subscriptions to Service Funds	11,931	10,128
Do. to General Family Pension Fund	104	334
Payments for land for Public Works	1,27,405	72,075
Supplies from Forest Department	12,960	7,128
Gain by Exchange	54,086	52,898
Guaranteed Railways	...	...
Transfers, Miscellaneous	8,52,089	4,90,064
To Military Department—		
Madras	22,764	66,437
Bombay	5	2
Bengal	1,482	741
To Telegraph Department	255	129
To Transfers of the Public Works Department	16,79,642	15,08,054
To London Account—		
Stores	2,43,910	2,38,455
Miscellaneous	13,250	15,671
To Imperial Revenue Receipts from Military Works	30,000	28,000
To do. do. Other Services	3,000	3,000
To Suspense Accounts—		
Deposits, Ordinary	5,24,860	3,22,404
Do. Contributions	6,488	17,857
Barrack Supplies	...	...
Total ...	97,56,649	89,21,445

Accounts.	Budget Estimate.	Regular Estimate.
	Rs.	Rs.
By Civil Department—		
Provincial Service Expenditure	20,02,482	15,00,855
Local Fund Expenditure	93,835	4,45,065
Payments into Treasury	5,43,924	5,87,443
Other Public Works Revenue realized in Civil Department	13,293	12,859
Miscellaneous Receipts of Public Works do. do.	6,244	3,122
Expenditure against Local Loans	7,75,000	6,31,292
Contributions in aid of Public Works	4,605	5,340
Guaranteed Railways	...	...
Transfers, Miscellaneous	5,30,662	5,93,227
By Military Department—		
Madras	65,499	46,033
Bombay	...	...
Bengal	230	2,959
By Telegraph Department	120	95
By Transfers of the Public Works Department	42,20,212	42,28,958
By Net Expenditure in India against the Imperial Budget Grant for Military Works	6,20,000	4,87,000
By do. do. do. do. Other Services ...	3,16,701	2,74,290
By Imperial Capital Productive and Other Public Works, Harbour Works.	...	—4,81,405
By Suspense Accounts—		
Deposits, Ordinary	5,15,821	5,36,301
Do. Contributions	9,063	12,331
Barrack Supplies	...	...
	97,17,691	88,84,955
Balance ...	38,958	36,490
Total ...	97,56,649	89,21,445

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

12th January 1882, No. 104 W.

General.
Account.

Read the following papers :—

No. 50. From the Superintending Engineer, First Circle, dated 8th October 1881.

No. 50-A. From the Superintending Engineer, Second Circle, dated 8th October 1881, No. 427.

No. 50-B. From the Superintending Engineer, Second Circle, dated 1st December 1881, No. 54 N.L.

No. 51. From the Superintending Engineer, Third Circle, dated 27th September 1881.

No. 51-A. From the Superintending Engineer, Third Circle, dated 27th September 1881.

No. 51-B. From the Superintending Engineer, Third Circle, dated 3rd October 1881.

No. 51-C. From the Superintending Engineer, Third Circle, dated 5th October 1881.

No. 51-D. From the Superintendent of Works, Godávari, dated 14th October 1881, No. 1830.

No. 51-E. From the Superintendent of Works, Kistna, dated 20th September 1881, No. 1245.

No. 52. From the Superintendent of Works, Buckingham Canal, dated 12th October 1881.

No. 52-A. From the Superintendent of Works, Presidency, dated 11th October 1881, No. 2528.

No. 52-B. From the Consulting Architect to Government, dated 15th October 1881, No. 540.

No. 53. From the President of the Municipal Commission, Madras, dated 13th September 1881, No. 446.

No. 54. From the Private Secretary to His Excellency the Governor, dated 14th September 1881, No. 157.

No. 55. From the Financial Department, dated 22nd December 1881, No. 2502.

No. 56. ORDER THEREON, 12th January 1882, No. 104 W.

THE Financial Department have assigned to the Public Works Department Rs. 21,99,112 from Provincial Funds for 1882-83.

		RS.
1. For Public Works under Provincial	... ...	19,00,000
2. For Irrigation and Navigation under Provincial	... ...	2,99,112
		21,99,112

The following distribution is made of the sum of Rs. 19,00,000 assigned under the first head:—

		RS.	RS.
Original Works.			
Civil Buildings	... ...	5,31,717	
Communications	... ...	1,20,000	
Miscellaneous Public Improvements including the refund on account of the Madras Water Supply Project	... ...	82,748	
Reserve at the disposal of Government including Minor Works	... ...	2,82,900	10,17,365
Repairs.			
Civil Buildings	... ...	94,630	
Communications	... ...	36,053	
Miscellaneous Public Improvements	... ...	2,100	
			1,32,783
Establishment	... ...	...	7,34,552
Tools and Plant	... ...	...	8,000
Stock and Suspense	... ...	...	7,300
			19,00,000

The sum of Rs. 2,99,112 assigned for Irrigation and Navigation under Provincial is for the Buckingham Canal and comprises the following items:—

	RS.
Original Works	1,69,700
Repairs	68,635
Establishment	54,817
Tools and Plant	5,960
	2,99,112

The Chief Engineer for Irrigation will include the above in the Budget Estimate for Irrigation and Navigation and Agricultural Ordinary.

No provision is made in the Provincial Budget for the cinchona buildings at Naduvatam, as the amount required for the completion of those buildings is included in the cinchona budget for 1882-83.—*Vide* G.O., No. 53 W., dated 9th January 1882.

The Superintending Engineers concerned are directed to suspend expenditure on the following works until the necessary plans and estimates have been duly sanctioned:—

	RS.
Item No. 12	3,000
Do. „ 27	28,000
Do. „ 31	60,000
Do. „ 47	20,000
Do. „ 48	10,000
Do. „ 49	15,000
Do. „ 51	35,000

All sanctioned works have, as in 1881-82, been divided into two classes, A and B, the former comprising works which it has been decided to undertake and for which specific appropriations are made, and the latter including works not as yet provided for, but for which funds will, as far as possible, be made available hereafter, should the necessity for undertaking them be established.

It will be clearly understood that no expenditure whatever is to be incurred on class B works unless specific appropriations are subsequently made.

With these remarks the Preliminary Issue of the Provincial Budget Estimate for 1882-83 is circulated for the information and guidance of the officers of the department.

(True Extract.)

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

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

Exd. E. C. Shunker.
Spare Copies

GENERAL ACCOUNT.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS

&c., &c., &c.

Dated January, 1882.

Read

G.O., 13th January 1882, No. 104 W.

JANUARY.

No. 50—53.

Preliminary Issue of the Provincial Public Works Estimate for 1882-83. Forwarding the same to the Government of India.

7/91

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

13th February 1882, No. 397 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 42. From H. F. CLOGSTOUN, Esq., Officiating Accountant-General, to the Secretary to Government, Public Works Department, dated Fort St. George, 4th February 1882, No. 462.

WITH reference to the Proceedings of Government in the Public Works Department, No. 104 W., dated the 12th January 1882, I have the honor to observe that although provision has been made in the Cinchona Budget for 1882-83 for the completion of the buildings at Naduvatam, the actual outlay must ultimately be borne as a Provincial Public Works charge with reference to the rulings of the Government of India recorded in the Proceedings of this Government, No. 205, dated the 27th January 1880, Financial. I request therefore that orders may be passed providing for the outlay on this account from the sum of Rs. 2,82,900 held as a "reserve at the disposal of Government including Minor Works."

No. 43. ORDER THEREON, 13th February 1882, No. 397 W.

AN allotment of Rs. 8,374 will be made from the Provincial Reserve of 1882-83 for the Cinchona buildings at Naduvatam.

(True Extract.)

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

To the Superintending Engineer, Fourth Circle.
" Accountant-General, Madras.
" Examiner of Public Works Accounts.
" Revenue Department.
" Financial Department.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1882] Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

&c., &c., &c.

Dated February 1882.

Issued.

Encl.

Issued.

G.O., 13th February 1882, No. 307 W.

FEBRUARY.
Nos. 42-43.

Ordering Institute of Naturalists—Allo
ding Rs. 8,371 for the

-30

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

29th November 1881, No. 2975 W.

Buildings and Roads.
Civil Works.

Read the following papers:—

No. 129. Report by the Superintending Engineer, No. 450, dated 24th October 1881, on the following estimates for constructing Cinchona buildings at Naduvatam in the Nilgiri District called for in Chief Engineer's Memorandum, No. 890, dated 6th April last:—

1 Site Plan.
2 Plans.
2 Detailed Estimates.
2 Abstract do.
3 General Abstract Estimates.

		Rs.
(1.)	Estimate for new drying shed	17,400
(2.)	Do. bark store shed	11,390
(3.)	Probable cost of piping, constructing cistern, and clearing site, &c., as per general abstract ...	2,284
	Total ...	31,074

These estimates have been revised in accordance with the instructions contained in Chief Engineer's Memorandum, No. 21, dated 8th January last, and fresh plans have been prepared.

The design of the drying shed will have a main room in the centre of the building measuring 72 × 32 feet, showing the arrangement of the masonry furnaces 8 feet long 2 feet wide and 3 feet high with a semi-circular arch and a chimney with two holes and 32 feet high to be built in the centre of the side-wall of the room and between the furnaces. The flue will run from each of these furnaces 12 inches span and turned with masonry arch 9 inches thick, so as to heat the bark, which are to be stacked on shelves as shown in the plan.

This main room will be provided with twelve pivot windows round the walls and five sky-lights each 6 feet in length to be built between the span of the iron trusses so as to afford ventilation and allow the steam to pass off. In each side of this room four rooms have been provided for the accommodation of the carpenters and blacksmiths' workshops and Superintendent's office, &c., with a furnace room 55 feet × 10 feet and a verandah 10 feet wide at ends. The whole of this building is proposed to be covered with corrugated iron sheets and supported by six iron trusses with teak-wood purlins, &c., as suggested by the Revenue department.

The bark store room or shed will be built close to the drying shed for the purpose of heating the barks with hot air, which will consist of ten rooms each 14×14 feet and 14 feet high, except two end rooms near the furnace and chimney flue, which will be somewhat larger and surrounded by a 10-feet verandah, which will be required for packing bark, &c.

There are ten kinds of cinchona trees at Naduvatam; each of these rooms will contain 2,744 cubic feet of partly dry bark; hence the ten rooms have a total storage capacity of 274,400 cubic feet, or sufficient for 23,600,000 lb. of bark of all kinds, the total space required for 2,000,000 lb. of dried bark, or 23,032 cubic feet in all.

The furnace and masonry flue to be built similar to that of the drying shed; the latter will run along the centre of these ten rooms under the ground level and will be provided with a chimney of 12 inches square and 28 feet high. The roof to be covered with corrugated iron sheets, the thickness of which will be 20 B.W. gauge.

The site proposed for erecting these buildings is shown in the site plan.

A cistern 15 feet square and 5 feet high will be built between the stream and writer's house at a cost of Rs. 740 to hold 125 cubic feet of water for the supply of the proposed cinchona buildings and as a protection from fire with a 5-inch cast-iron pipe from a distance of 460 feet and provided with four stand-pipes, the cost of which will be Rs. 1330; these proposals have been shown in the site plan.

The plans and estimates have been signed by the Deputy Conservator of Forests in charge of the Cinchona plantation in token of his approval, and it is requested that they may be sanctioned for early execution of work in the current year. The work may be expected to be completed within eighteen months from the date of putting it in hand.

There is grant of Rs. 32,700 provided for the work in the Provincial Budget for 1881-82.

(Signed) H. R. MEAD, *Major, R.E.,*
Superintending Engineer, Second Circle.

COIMBATORE,
24th October 1881.

To the Chief Engineer, Public Works Department.

No. 2512.

MEMORANDUM.

Submitted for the approval of Government in the Revenue Department with reference to paragraph 2 of G.O. in that Department, No. 1654, dated 7th December 1880.

2. Very early return of the papers is requested.

(Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

31st October 1881.

To the Revenue Department.

No. 129-A. Proceedings of the Madras Government in the Revenue Department, dated 7th November 1881, No. 1657.

Read Memorandum from the Public Works Department, dated 31st October 1881, No. 2512, submitting for approval revised estimate from the Superintending Engineer, Second Circle, for constructing cinchona buildings at Naduvatam, and requesting early return of the papers.

ORDER.—The revised plans and estimates for the new drying shed and bark store and the new estimate for the cistern with piping, &c., at Naduvatam are approved.

2. It is observed that Rs. 32,700 are provided in the Provincial Budget for the current year on account of these works; but, as it is stated that it will take eighteen months to complete them, it is requested that the Public Works Department will inform this department whether the balance of the amount unexpended at the end of the year 1881-82 will be allotted in the Provincial Budget, or whether provision must be made for the same in the Cinchona Budget for 1882-83, and, if the latter, the approximate amount that will be required.

(True Extract.)

(Signed) C. G. MASTER,
Secy. to Govt., Rev. Dept.

To the Public Works Department, with ten enclosures.

No. 130. ORDER THEREON, 29th November 1881, No. 2975 W.

THE revised estimates, amounting to Rs. 31,074, for constructing Cinchona buildings at Naduvatam is sanctioned.

2. The sum of Rs. 32,700 was provided for the work in the current year's Provincial Budget, but of this amount the Superintending Engineer has surrendered* Rs. 10,700, leaving Rs. 22,000 to the buildings, viz., Rs. 8,889, will be provided in the Public Works Provincial Budget for 1882-83. Every effort should be made to push on the work to early completion.

*G.O., No. 2668 W., dated 31st October 1881.

3. This sanction has been registered as Provincial No. 102 W. of 1881-82, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, Fourth Circle, with eight enclosures.
" Examiner of Public Works Accounts, with duplicate abstract estimate.
" Revenue Department, with copy of note by the Hon. W. Hudleston.

Exd. J. W. Fischer.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1881} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

&c, &c, &c.

Dated November, 29th.

Issued

Read.

Read.

G.O., 29th November 1881, No. 2975 W.

NOVEMBER.
Nos. 129-130.

Cuchoma Buildings at Nadavaram—Revised estimates, amounting to Rs. 31,07[illegible] for constructing —, sanctioned.

REFERENCE TO MADRAS P. W. CODE.
CHAPTER IX.—PARA. 1137.

Endorsement.

The Amount surrendered may be added to the Provincial Reserve.

D. C. Gordon
Examiner, P. W. Accounts
29/3.

29/3

P. W. D. MADRAS
Form No. M 46.

BRANCH Buildings & Roads
CLASS OF DIVISION Provincial
DIVISION West Coast
FUND Provincial

Application for a Re-appropriation of Budget Grants.

No. 96 dated 13th March 188[illegible]
Forwarded to the Chief Engineer
P. W. Department —
for sanction if approved.

A Fraser Major
C/Off: Supg: Engineer

No. dated

Sanctioned and Registered in this Office as
No. dated

No. 96

77

APPLICATION TO THE Chief Engineer P.W.D. FOR A RE-APPROPRIATION OF BUDGET GRANT.

Proposed New Grant.								Proposed Reduction.							
Departmental and Service Head.	Item No. of Budget.	Works.	Amount of Estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed increase.	Grant as now proposed.	Departmental and Service Head.	Item No. of Budget.	Works.	Amount of Estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed reduction.	Amount at which grant for work will stand after reduction.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
									Provincial Fund Civil Buildings	24	Cantonments buildings at Neddiwattam	31071	185	32700	22700		5,000

EXPLANATION OF NECESSITY FOR RE-APPROPRIATION.

Consequence of receipt of sanction in Decmber and being unable to accept any tenders for the work till the beginning of March. Outlay up to 31st Dec. not expected to be more than Rs 5700 out of the grant of Rs 22700

The re-appropriation of the remainder is required for next official year.

Assistant Commissioner Magosse

Offg. Executive Engineer, Kurunegala. Signature.

REFERENCE TO MADRAS P. W. CODE.
CHAPTER IX.—PARA. 1137.

P. W. D. MADRAS.
FORM No. M 46.

P. W. D. No. 1775

BRANCH Buildings & Roads
CLASS OF DIVISION Provincial
DIVISION West Coast
FUND Provincial

To the

Application for a Re-appropriation of Budget Grants.

No. 96 dated 15th March 1882
Forwarded to the Chief Engineer P. W. Department
for sanction if approved.

Major or
Offg. Supdg. Engr. 1st Circle.

No. dated
Sanctioned and Registered in this Office as
No. dated

To P. W. D. No. 1277 D/20-3-82
Endorsement

Herewith returned with the necessary endorsement.

6.

Endorsement

The Amount surrendered may be added to the Provincial Reserve.

D. C. Gundappa
Examiner, P. W. Accounts.

12-1-82 to 104 W
13-2 — 397 "
29-11-81 — 295 "
9-1-82 — 53 "
4-2 — 316 "
7-2 — 338 "

No. 331 D 3/18-3-82.
To C. No observance

APPLICATION TO THE Chief Engineer P.W.D.

FOR A RE-APPROPRIATION OF BUDGET GRANT.

Departmental and Service Head.	Item No. of Budget.	Works.	Proposed New Grant. Amount of Estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed increase.	Grant as now proposed.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.

Departmental and Service Head.	Item No. of Budget.	Works.	Proposed Reduction. Amount of Estimate.	Outlay to end of previous year.	Original grant for current year.	Existing grant for current year.	Proposed reduction	Amount of the grant for which will remain after proposed reduction.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provincial Road Civil Buildings	24	Cinchona Buildings at Neddivattam	31071.	185	32700	32700		5000

EXPLANATION OF NECESSITY FOR RE-APPROPRIATION.

1. Expenditure on receipt of sanction in December for which provision has been made in the Cinchona Budget. 2. Being unable to accept any tenders for the works till the amount of outlay up to 31st March last is not expended to be more than Rs 5,000 out of the grant for the remainder is required for next official year.

Major R.E.
Dist. Exec. Engineer, Nuwara Eliya.
Signature.

No. 1332. 56

SUPERINTENDING ENGINEER'S OFFICE,

MADRAS,

Chepauk, 5th/12th March 1882.

From

Colt. H. L. Pendergast. R.E.

SUPERINTENDING ENGINEER,

5th CIRCLE,

To

THE Chief Engineer

S. P. W. D.

SIR,

Enclosures.

1. Estimate

I have the honor to submit for sanction an Estimate of Rupees 60 for the Survey Establishment employed in taking the Survey and levels for the preparation of the Estimate ordered in P. O. No. 915 dated 21st May 1881 for Improvements to the Port of Cocolore and fixing the Bar.

I request that an allowance of Rupees 60 may be granted

yrs

as the work has actually been done.

I have the honor to be
Sir
Your Most Obed.t Serv.t

Wm Swinden Jun.r Lt. Coll. R.E.

Superint.g Engineer
5.th Circle.

37

From P. W. C. No. 1682

The Superintending Engineer,
5th Circle,

To The Chief Engineer
P. W. Departt.
Madras.

Dated 14th March 1882.
Recd.

Enclosure 1.

G.O. 1573 I. 4.6.80
Proc. 2883 15-17.4.81
Ltr. 3074 W. 9.12.81
G.O. 1186 of 21.5.81

No. 1332.
Survey Establishment.
Submits for sanction
an estimate of Rs. 60 for
employed in taking survey of
of the Part of Cuddalore.

C. No. 1682

P. W. Secretariat.

35

Note by Budget Section.

Remarks and References.

~~Work~~
Survey Establt employed in
taking Survey of the
Portg ~~Superintendence~~ Cuddalore.

Fund Provincial Services (Navy)
Service Head ... ...
Departmental Head Original Estabt ... Rs.
Amount of estimate ... ... " Rs 60
Expenditure in previous year ... ... " -
Allotment in current year ... ... " -
Balance required ~~to complete~~ ... ... " 60

Total Rs... 60

Note of available funds.

Under Para 118 A Vth P. W. Code the salary of the Surveyor Rs 18 should be met from the grant for minor Establishment from the grant for Temporary Establishment of which Rs 2,457 are now available.

C.H. 15/3

Note by Budget Section.

757W

No 757W.

Public Works Dept

Proceedings of the Madras Government
Under date the 22nd August
Read the following.

From the Supdtg. Engr 5th Circle No. 6. No 1332 of 14th March

39

The estimate amount-
-ing to Rs 60 for temporary
Survey establishment em-
-ployed in taking Survey
and levels in connection
with improvements to the
part of Cuddalore to men-
-tioned, as follows—

1 Surveyor for 25 days
at Rs 2-8 per mensem - Rs
Draftsman Rs
Rs 42 Wages -
1 Chainman
Establishment
5 Lascars for 15 days
at Rs 6 each per mensem Rs
Rupees Thirty
Rs 30
Chainmen
Establishment

is allotted from the budget provision for temporary establishment and Rs 18 from the Provincial Reserve.

16.3.82

17.3.82

To The Ho. Circle Examiner P.W. and with refd. Invoice dated 30/3/82 Rec'd 3/4/82

1182

Govt. of [1882] Madras.

PUBLIC WORKS.

To

Rd.

Issd.

Rd.

Issd.

G. O. 22 Mar 1882, No. 758

Nos. 166 to 787

Porto Novo Circle. —

Sanction to estimate for temporary pumping establishment employed in taking cross and level sections in connection with improvements to the —

No. 758 W.

Sc. Copy

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 22nd March 82.

Read the following :—

From the S. E. Circle No. 96 dt 13 Instn

The sum of Rs 17.700 surrendered by the Supdg Engineer 4th Circle from the current year's grant for the Cuddalore building at Nadiwalam will be credited to the Provincial Reserve & a corresponding additional allotment will be made to the work from the same source next official year in addition to the grant of Rs 83,700 for

Inst.

Promised in Fo. No. 3970
of 13th July 1882.

2. It is explained that owing to the late receipt of sanction to the estimate only Rs 5000 can be spent during the current financial year.

CL

21.3.82

W. & A. Irvine
Supdg
Rev. Dept.
Depts 31-3-82.

1713

Govt. of (1882) Madra

PUBLIC WORKS.

To

Dated

Issued

Rcd.

Dist.

G. O., 11 June 1882, No. 75

Nos. 1662 to 1663

Anchorage buildings at Nadusalam. Orders & Statement concerning funds from the Contract Years Grant for 1881-82.