

Gobt. of (1890) Madras.
REVENUE.

No. 74 of 8th Jan.

*Recorded with
reference to G.O.
No. 51 of 4th Jan.
1891.*

*12/12/90
W.*

*Put up with CN^o 620
sent to T on 20th Jan.*

Issued

Recd.

Encl.

G.O., 22nd November 1890, No. 949.

NOVEMBER.

Canal and Ferry Fund budget
estimates.

Reviewing the — for 1891-92.

22ND NOVEMBER 1890, No. 949, REVENUE.

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), dated
21st October 1890, No. 640 :—

MR. H. W. BLISS.
MR. W. S. WHITESIDE.

Read—the following papers :—

From the Collector of	Arcot, South,	dated	3rd Sept.	1890, No. 1199.
"	" of Canara, South,	" 1st "	" "	3285.
"	" of Cuddapah,	" 2nd "	" "	4891.
"	" of Godavari,	" 17th "	" "	448.
"	" of Kistna,	" 15th "	" "	6687.
"	" of Madura,	" 20th "	" "	380.
"	" of Malabar,	" 25th Aug.	" "	3406-R.
"	" of Tanjore,	" 6th Sept.	" "	306.
"	" of Tinnevely,	" 3rd "	" "	726.
"	" of Trichinopoly,	" 30th Aug.	" "	374.
"	" of Vizagapatam,	" 6th Sept.	" "	2903.

Resolution—dated 21st October 1890, No. 640.

The Board resolves to submit to Government the revised estimate of receipts and charges of the Canal and Ferry Fund for the current year and the budget estimate for the ensuing year.

2. The Act was in force in nine districts; and during the year, it was extended to the Madura and Vizagapatam districts under the orders of Government, dated 27th January 1890, No. 75, and 14th March 1890, No. 200, respectively. The Collector of Vizagapatam has, however, submitted no estimates for the reason that the Marripenta ferry cannot be leased out this year, and will be transferred to the Local Fund Board before next year. He apparently means to make an application for the transfer under section 11 of Act II of 1890.

REVISED ESTIMATE FOR 1890-91.

3. The subjoined abstract exhibits in one view the revised estimate of the current year as compared with sanctioned figures. In the absence of the Accountant-General's figures, the opening balance has been adopted from the Special Fund report

for 1889-90; but the figures under this head, as well as the revised estimates, have been, wherever necessary, taken to the nearest hundred, in accordance with the principle laid down in G.O., dated 3rd December 1889, No. 975 :—

Districts.	Balance at the beginning of 1890-91.	Revised estimated receipts during the year 1890-91.	Sanctioned estimate of receipts, 1890-91.	Total of columns 2 and 3.	Revised estimated expenditure during the year 1890-91.	Sanctioned estimate of expenditure, 1890-91.	Balance.
1	2	3	4	5	6	7	8
1. Arcot, South	Rs. 5,000	Rs. 1,300	Rs. 950	Rs. 6,300	Rs. ..	Rs. 6,300	
2. Canara, South .. .. .	.. .. .	25,200	23,730	25,200	23,730	..	
3. Cuddapah .. .. .	.. .. .	4,100	830	4,900	200	4,700	
4. Godáviri	1,69,300	31,100	30,100	2,00,400	71,100	1,29,300	
5. Kistna	27,600	6,000	7,500	33,600	14,100	7,500	19,500
6. Madura .. .. .	.. .. .	100	..	100	..	..	100
7. Malabar .. .. .	.. .. .	66,500	61,000	66,500	66,400	61,000	100
8. Tanjore	3,400	7,000	6,120	10,400	6,400	6,100	4,000
9. Tinnevely	1,200	100	100	1,300	..	20	1,300
10. Trichinopoly	1,600	12,200	11,000	13,800	11,100	11,100	2,700
Total ..	2,12,200	1,50,300	1,41,330	3,62,500	1,94,500	2,22,490	1,68,000

4. The revised estimate of receipts for the current year amounts to Rs. 1,50,300, and exceeds the sanctioned figures by Rs. 8,970, the following districts contributing to this result :—

Arcot, South	Rs. 350	Cuddapah	Rs. 30
Canara, South	+ 1,470	Kistna	1,500
Godáviri	+ 1,000		
Madura	+ 100		
Malabar	+ 5,500		
Tanjore	+ 880		
Trichinopoly	+ 1,200		
Total	+ 10,500	Total	1,530

The increase in Malabar is reported to be mainly due to the receipts expected to be realized from the Payoli lock, brought within the operation of the Act under G.O., dated 12th August 1889, No. 694. The estimate in South Canara is increased with reference to the result of the sale of the farms for three years ending 31st March 1893. In Trichinopoly and Kistna, the estimate is fixed with reference to the current year's rental and the outstanding arrears expected to be recovered during the year. In Godáviri, the increase is expected from the new ferry steamer at Rajahmundry.

5. Charges.—The probable charges are estimated at Rs. 27,990 less than the sanctioned figures. The variations occur in the undermentioned districts :—

Godáviri	Rs. 41,760	Canara, South	Rs. 1,470
Tinnevely	20	Cuddapah	20
		Kistna	6,600
		Malabar	5,400
		Tanjore	300
Total	41,780	Total	13,790

The falling off in Godáviri is very large, and the particulars are detailed below, in comparison with the sanctioned estimates :—

	Sanctioned estimate. RS.	Revised estimate. RS.
1. Establishment and working charges for the ferry steamer at Rajahmundry	9,000	7,500
2. Construction of bridges across irrigation channels and drains	12,000	1,730
3. Construction and repair of ferry boats	12,000	12,000
4. Do. do. of rest-houses	500	500
5. Do. of an aqueduct over the Chollanghi river	3,500	2,500
5. Improvement of landing places	500	500
7. Construction of a steam launch for the Narsapur ferry	25,000	..
8. Construction of an iron girder bridge over the Mat-talapalem salt creek	30,850	25,000
9. Construction of three ballacuts to be kept in stock	1,500	1,500
10. Maintenance of Kovur-Munjair junction canal	5,000	1,800
11. Repair of ferry boats on do.	200	250
12. Clearing silt in the old loading channel at Dow-laisweram	100	100
13. Construction of a steam launch for the Rajah-mundry ferry	..	10,000
14. Establishment and miscellaneous charges	100	100
15. Cost of supervision and tools and plant	12,605	7,627
	1,12,855	71,107
Or 1,12,860		71,100

Item 1.—The difference is due to the fact that the sanctioned estimate of expenses connected with the ferry steamer is revised with reference to the probable actual requirements of the vessel and to the reductions in the establishment proposed by the Collector in his letter disposed of in G.O., dated 23rd September 1890, No. 765.

Item 2.—The estimate has been reduced at the instance of the Superintending Engineer to the amount which he is able to spend during the year.

Item 5.—The decrease represents the difference between the original and the revised estimates sanctioned for the work—vide G.O., dated 31st March 1890, No. ^{1031 W}A.

Item 7.—The amount sanctioned has been held over for expenditure next year pending preparation of plan and estimates.

Item 8.—The figures shown under the revised estimate represent the amount which the Local Fund Engineer, to whom the work is entrusted for execution, is expected to spend within the year.

Item 10.—The outlay is estimated at Rs. 3,600 against Rs. 5,000 sanctioned therefor. A moiety only of the revised figure, viz., Rs. 1,800, is debitable to this fund—vide G.O., dated 1st April 1889, No. 243.

Item 13.—A provision of Rs. 10,000 is made as the estimate for the steam launch will be shortly received from the Deputy Director, Indian Marine, Calcutta.

Item 15.—The decrease follows the reduction of expenditure on works proposed to be carried out through the agency of the Public Works Department and Local Fund Engineer.

The increase in Kistna is due to the provision of Rs. 6,570 for expenditure in the year out of the Rs. 11,570 sanctioned for the construction of a bridge over Ryves' canal at Bezvada—vide G.O., dated 10th July 1889, Mis. No. 4309. In Malabar and South Canara, the increased expenditure mainly consists of contributions to Local Funds fixed with reference to the probable available assets.

6. The Board notes that the grant for the construction and repair of ferry boats has been repeated by the Collector of Godáviri in revising the estimates for the current

year. The construction of three ballacuts having been separately provided for (*vide* item 9), the Collector is requested to report whether the allotment now made does not require modification with reference to the remarks made by the Board in paragraph 3 of its Proceedings, dated 11th December 1889, No. 881. Of the several works enumerated in paragraph 5, items Nos. (2), (5), (10), (11), (12) and (13) are proposed to be executed through the agency of the Public Works Department, and the usual allotment on account of the cost of supervision, tools and plant, which comes to Rs. 1,502, is included in item (15).

BUDGET ESTIMATE FOR 1891-92.

7. The receipts and charges during the year are estimated by the Collectors at Rs. 1,50,100 and Rs. 2,01,900, respectively, or Rs. 200 less than, and Rs. 7,400 in excess of, the revised estimates, as under:—

	Receipts.	Charges.
	RS.	RS.
1. Arcot, South	1,300	...
2. Canara, South	25,200	25,200
3. Cuddapah	800	300
4. Godáviri	31,100	79,500
5. Kistna	6,000	12,500
6. Madura	100	...
7. Malabar	66,500	66,500
8. Tanjore	7,000	6,400
9. Tinnevelly	100	...
10. Trichinopoly	12,000	11,500
Total	1,50,100	2,01,900

8. The receipts vary by only Rs. 200 from the regular estimate, and do not call for remarks.

9. *Charges.*—The probable charges are put down at Rs. 2,01,900 and exceed the regular estimate by Rs. 7,400, which is the result of variations in the following districts:—

	RS.	RS.
Cuddapah	100	Kistna — 1,600
Godáviri	8,400	
Malabar	100	
Trichinopoly	400	
	+ 9,000	

The increase in Godáviri is principally caused by the greater provision made for the steam launch for the Rajahmundry ferry, as also by the amount allotted for a steam launch at Narsápur, which is not provided for in the revised estimate. A sum of Rs. 25,000 was sanctioned by Government on account of a steam launch for the Rajahmundry ferry. The Collector has provided Rs. 10,000 in the revised estimate of the current year, and Rs. 20,000 in the estimate of 1891-92, thus exceeding the sanction by Rs. 5,000. This requires explanation. The Board further finds that the Collector has made a provision of Rs. 2,000 for the construction of another wharf, as the one sanctioned for Rajahmundry is nearing completion; but when sanctioning the latter, the Board remarked that similar projects should be deferred until the first was finished and experience gained. The wharf at Rajahmundry is not yet open for public use and it will be too soon to express any opinion. The provision will, however, be allowed to stand on the understanding that the work will not be taken in hand, pending further report from the Collector regarding the Rajahmundry wharf. As regards the decrease of Rs. 1,600 in Kistna, it is due to a provision of Rs. 5,000 for the bridge over Ryves' canal at Bezvada, as against Rs. 6,570 in the revised estimate for the current year. The Collector reports that a revised estimate has been submitted to Government, and that if it should be sanctioned, the provision will have to be increased by Rs. 5,610.

10. The amount proposed to be contributed to Local Funds during 1891-92 is compared below with the revised grant on the same account in the current year:—

	Revised.	Budget.
	RS.	RS.
1. Canara, South	20,960	20,560
2. Kistna	1,000	1,000
3. Malabar	65,200	65,300
4. Tanjore	6,000	6,000
5. Trichinopoly	11,000	11,400
Total	1,04,160	1,04,260

The amount entered against Malabar includes also the usual contributions to the Cochin Sirkar and the Municipality.

11. The annexed statement exhibits the estimated receipts and charges of the fund for 1891-92:—

Districts.	Balance at the beginning of 1891-92.	Receipts during the year.	Total.	Expenditure during the year.	Balance at the end of 1891-92.
	RS.	RS.	RS.	RS.	RS.
1. Arcot, South	6,300	1,300	7,600	25,200	7,600
2. Canara, South	...	25,200	25,200	...	...
3. Cuddapah	4,700	800	5,500	300	5,200
4. Godáviri	1,29,300	31,100	1,60,400	79,500	80,900
5. Kistna	19,500	6,000	25,500	12,500	13,000
6. Madura	100	100	200	...	200
7. Malabar	100	66,500	66,600	66,500	100
8. Tanjore	4,000	7,000	11,000	6,400	4,600
9. Tinnevelly	1,300	100	1,400	...	1,400
10. Trichinopoly	2,700	12,000	14,700	11,500	3,200
Total	1,68,000	1,50,100	3,18,100	2,01,900	1,16,200

The year is expected to close with a balance of Rs. 1,16,200 or Rs. 51,800 less than the amount with which it is expected to commence. The bulk of the balance appertains to Godáviri, where it amounts to Rs. 80,900. This will still further be diminished if all the works sanctioned in G.O., dated 17th October 1889, No. 847, are fully carried out.

(A true Extract.)

(Signed) H. A. SIM,
Acting Secretary.

To the Secretary to Government, Revenue Department.

Collector of South Arcot.
" of South Canara.
" of Cuddapah.
" of Godáviri.
" of Kistna.
" of Madura.
" of Malabar.
" of Tanjore.
" of Tinnevelly.
" of Trichinopoly.
" of Vizagapatam.
Accountant-General.
Examiner of Public Works Accounts.

APPENDIX.

ESTIMATE of expenditure of Canal and Ferry Fund for 1891-92.

Districts.	Items.	ALLOTMENT FOR 1891-92.		
		By Public Works Department.	By Revenue Department.	Total.
Canara, South ..	Construction and repair of boats and platforms ..	RS.	RS.	RS.
	Do. of ferry and jangar sheds ..	..	2,000	..
	Contribution to Local Funds ..	..	1,500	..
	Establishment and Miscellaneous charges ..	..	20,560	..
Cuddapah ..	Cost of boats at crossings and purchase of a boat for the Mydakar ferry ..	..	1,140	25,200
	Establishment and working charges for the Rajahmundry ferry steamer ..	..	300	300
	Construction and repair of ferry boats ..	..	7,500	..
	Do. of rest-houses ..	..	8,000	..
Godavari ..	Improvement of landing places ..	..	200	..
	Construction of a landing ghât at the steam ferry landing place at other place than Rajahmundry ..	..	450	..
	Construction of an iron-girder bridge over the Mattalapalem salt creek including the cost of supervision, tools and plant ..	..	2,000	..
	Purchase of a steam launch for Rajahmundry ferry ..	..	* 5,855	..
	Do. Narsapur ferry ..	20,000	..	..
	Construction of bridges across irrigation channels and drains ..	20,000	..	..
	Maintenance of Kovur-Munjair junction canal ..	10,000	..	..
	Repair of ferry boats on Kovur-Munjair junction canal ..	1,800	..	..
	Clearing silt in the old loading channel at Dowlaishweram ..	250	..	..
	Cost of supervision, tools and plant ..	100	..	..
Kistna ..	Establishment and Miscellaneous ..	2,915	..	..
	Construction and repair of boats ..	..	420	79,490
	Do. of a bridge over the Ryves' canal at Bezvada ..	..	6,000	..
	Contribution to Local Funds ..	..	5,000	..
Malabar ..	Establishment and Miscellaneous ..	..	1,000	..
	Contribution to the Cochin Sirkar ..	..	500	12,500
	Do. to the Cochin Municipality ..	..	1,500	..
	Do. to the Local Funds ..	..	2,200	..
Tanjore ..	Compensation to ferry contractor ..	..	61,600	..
	Establishment and contingent charges ..	..	200	..
	Construction and repair of boats ..	..	1,000	66,500
	Contribution to Local Funds ..	..	300	..
Trichinopoly ..	Establishment and Miscellaneous ..	..	6,000	..
	Contribution to Local Funds ..	..	100	6,400
	Establishment, &c. ..	..	11,400	..
	.. ..	..	100	11,500
Grand Total ..		..	..	2,01,890
Or ..		..	..	2,01,900

* By Local Fund Engineer.

READ—the following office-note from C. A. GALTON, Esq., Secretary to Government, Revenue Department, to the Secretary to Government, Public Works Department, dated Fort St. George, 3rd November 1890, No. 50 :—

In forwarding, herewith, the budget estimates of receipts and charges of the Canal and Ferry Fund for 1891-92 as prepared by the Board of Revenue, the undersigned has the honor to enquire whether provision is made by the Board for all the works proposed to be executed by the Public Works Department during the next year from Canal and Ferry Fund.

READ—the following office-note from Colonel J. PENNYCUICK, R.E., Secretary to Government, Public Works Department, to the Secretary to Government, Revenue Department, dated Chepâk, 11th November 1890, No. 4643 C. :—

[Your office-note No. 50 of the 3rd instant.]

The only works under Canal and Ferry Funds proposed for execution by the Public Works Department during 1891-92 and brought forward by Superintending Engineers in their budget estimates for that year are—

	RS.
(1) Maintenance of the Kovur-Munjair junction canal ...	1,800
(2) Repair of ferry boats on the Kovur-Munjair junction canal ...	250
(3) Clearing silt in the old loading channel at Dowlaishweram ...	100

2. The marginally-noted works proposed for execution by the Public Works

	RS.	Department in the Proceedings of the Board of Revenue received with your office-note under reply have not been included in the budget estimate submitted by the Superintending Engineer, I Circle. If, however, it is intended that the Public Works Department should carry out the works, the necessary grants may be placed at the disposal of this department.
(1) Purchase of a steam launch for the Rajahmundry ferry ...	20,000	
(2) Purchase of a steam launch for the Narsapur ferry ...	20,000	
(3) Construction of bridges across irrigation channels and drains.	10,000	

3. With reference to G.O., No. 914, Revenue, dated 16th November 1889, a sum of Rs. 25,000 was provided in the current year's Public Works budget for the construction of a steam launch for the Narsapur ferry. As this grant appears to have been withdrawn in the revised estimate of charges for 1890-91, please say whether the amount may be resumed and replaced at the disposal of the Revenue Department.

4. The Proceedings of the Board of Revenue received with your office-note are returned herewith.

ORDER—dated 22nd November 1890, No. 949, Revenue.

Miscellaneous.

With the first paper read above, the Board of Revenue submits the revised estimate of receipts and charges of the

Canal and Ferry Fund for the current year and the budget estimates for 1891-92.

2. *Revised estimate.*—The receipts are estimated at Rs. 1,50,300 or Rs. 8,970 in excess of the sanctioned estimate. The increase is fully explained in paragraph 4 of the Board's Proceedings. The charges are estimated at Rs. 1,94,500 or Rs. 27,990 less than the sanctioned figure. In the Godavari district, there is a falling off of Rs. 41,760, which is due to the withdrawal of Rs. 25,000, being the provision made for the construction of a steam launch for the Narsapur ferry and to the surrender of a portion of the grants by the officers entrusted with the other works. The increase in Kistna, South Canara and Malabar are explained in paragraph 5 of the Board's Proceedings.

3. *Budget estimate.*—The estimated receipts differ from the revised estimate by only Rs. 200 and call for no remark. The charges are estimated at Rs. 2,01,900, which must be raised to Rs. 2,07,510 with reference to G.O., dated 18th November 1890, No. 7043. There will thus be an increase of Rs. 13,010 over the sanctioned estimate. This appears chiefly in Godavari (Rs. 8,400) and Kistna (Rs. 4,010) and is fully explained in paragraph 9 of the Board's Proceedings and the statement appended thereto.

4. The estimates * as above modified will be forwarded to the Financial Department, the figures being taken to the nearest thousands with reference to G.O., dated 3rd December 1889, No. 975.

	Receipts.	Charges.
	RS.	RS.
* Revised estimate ...	1,50,000	1,95,000
Budget do. ...	1,50,000	2,08,000

5. With reference to paragraph 2 of the second paper read above, the Public Works Department will be informed that the three works noted on the margin thereof are intended to be carried out by that department. The query in paragraph 3 is answered in the affirmative.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

To the Commissioners of Land Revenue.
„ the Public Works Department.
„ the Financial Department.
„ the Accountant-General.

Exd. A. Aubert.

70 Copies.

GOVERNMENT OF MADRAS.
REVENUE DEPARTMENT.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 21st October 1890, No. 640 :—

MR. H. W. BLISS.
MR. W. S. WHITESIDE.

Read—the following papers :—

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" " of Canara, South,	"	1st "	" " 3285.
" " of Cuddapah,	"	2nd "	" " 4891.
" " of Godavari,	"	17th "	" " 448.
" " of Kistna,	"	15th "	" " 6687.
" " of Madura,	"	20th "	" " 380.
" " of Malabar,	"	25th Aug.	" " 3406-R.
" " of Tanjore,	"	6th Sept.	" " 306.
" " of Tinnevely,	"	3rd "	" " 726.
" " of Trichinopoly,	"	30th Aug.	" " 374.
" " of Vizagapatam,	"	6th Sept.	" " 2903.

Resolution—dated 21st October 1890, No. 640.

The Board resolves to submit to Government the revised estimate of receipts and charges of the Canal and Ferry Fund for the current year and the budget estimate for the ensuing year.

2. The Act was in force in nine districts ; and during the year, it was extended to the Madura and Vizagapatam districts under the orders of Government, dated 27th January 1890, No. 75, and 14th March 1890, No. 200, respectively. The Collector of Vizagapatam has, however, submitted no estimates for the reason that the Marripenta ferry cannot be leased out this year, and will be transferred to the Local Fund Board before next year. He apparently means to make an application for the transfer under section 11 of Act II of 1890.

REVISED ESTIMATE FOR 1890-91.

3. The subjoined abstract exhibits in one view the revised estimate of the current year as compared with sanctioned figures. In the absence of the Accountant-General's figures, the opening balance has been adopted from the Special Fund report

for 1889-90; but the figures under this head, as well as the revised estimates, have been, wherever necessary, taken to the nearest hundred, in accordance with the principle laid down in G.O., dated 3rd December 1889, No. 975:—

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1	2	3	4	5	6	7	8
1. Arcot, South	Rs. 5,000	Rs. 1,300	Rs. 950	Rs. 6,300	Rs. 6,300	Rs. 6,300	Rs. 6,300
2. Canara, South							
3. Cuddapah							
4. Godáviri							
5. Kistna							
6. Madura							
7. Malabar							
8. Tanjore							
9. Tinnevely							
10. Trichinopoly							
Total ..	2,12,200	1,50,300	1,41,320	3,62,500	1,94,500	2,22,490	1,68,000

4. The revised estimate of receipts for the current year amounts to Rs. 1,50,300, and exceeds the sanctioned figures by Rs. 8,970, the following districts contributing to this result:—

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Canara, South		Kistna	
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Malabar			
Tanjore			
Trichinopoly			
Total ..	+ 10,500	Total ..	- 1,530

The increase in Malabar is reported to be mainly due to the receipts expected to be realized from the Payoli lock, brought within the operation of the Act under G.O., dated 12th August 1889, No. 694. The estimate in South Canara is increased with reference to the result of the sale of the farms for three years ending 31st March 1893. In Trichinopoly and Kistna, the estimate is fixed with reference to the current year's rental and the outstanding arrears expected to be recovered during the year. In Godáviri, the increase is expected from the new ferry steamer at Rajahmundry.

5. Charges.—The probable charges are estimated at Rs. 27,990 less than the sanctioned figures. The variations occur in the undermentioned districts:—

Godáviri	Rs. 41,760	Canara, South	Rs. 1,470
Tinnevely	.. ..	Cuddapah	.. ..
	.. ..	Kistna	.. ..
	.. ..	Malabar	.. ..
	.. ..	Tanjore	.. ..
Total ..	- 41,780	Total ..	+ 13,790

The falling off in Godáviri is very large, and the particulars are detailed below, in comparison with the sanctioned estimates:—

	Sanctioned estimate. RS.	Revised estimate. RS.
1. Establishment and working charges for the ferry steamer at Rajahmundry ..	9,000	7,500
2. Construction of bridges across irrigation channels and drains ..	12,000	1,730
3. Construction and repair of ferry boats ..	12,000	12,000
4. Do. do. of rest-houses ..	500	500
5. Do. of an aqueduct over the Chollanghi river ..	3,500	2,500
5. Improvement of landing places ..	500	500
7. Construction of a steam launch for the Narsapur ferry ..	25,000	..
8. Construction of an iron girder bridge over the Matlapalem salt creek ..	30,850	25,000
9. Construction of three ballacuts to be kept in stock ..	1,500	1,500
10. Maintenance of Kovur-Munjair junction canal ..	5,000	1,800
11. Repair of ferry boats on do. ..	200	250
12. Clearing silt in the old loading channel at Dow-laisweram ..	100	100
13. Construction of a steam launch for the Rajahmundry ferry ..	..	10,000
14. Establishment and miscellaneous charges ..	100	100
15. Cost of supervision and tools and plant ..	12,605	7,627
	1,12,855	71,107
	Or 1,12,860	[71,100

Item 1.—The difference is due to the fact that the sanctioned estimate of expenses connected with the ferry steamer is revised with reference to the probable actual requirements of the vessel and to the reductions in the establishment proposed by the Collector in his letter disposed of in G.O., dated 23rd September 1890, No. 765.

Item 2.—The estimate has been reduced at the instance of the Superintending Engineer to the amount which he is able to spend during the year.

Item 5.—The decrease represents the difference between the original and the revised estimates sanctioned for the work—*vide* G.O., dated 31st March 1890, No. ^{1031 W}/_A.

Item 7.—The amount sanctioned has been held over for expenditure next year pending preparation of plan and estimates.

Item 8.—The figures shown under the revised estimate represent the amount which the Local Fund Engineer, to whom the work is entrusted for execution, is expected to spend within the year.

Item 10.—The outlay is estimated at Rs. 3,600 against Rs. 5,000 sanctioned therefor. A moiety only of the revised figure, viz., Rs. 1,800, is debitable to this fund—*vide* G.O., dated 1st April 1889, No. 243.

Item 13.—A provision of Rs. 10,000 is made as the estimate for the steam launch will be shortly received from the Deputy Director, Indian Marine, Calcutta.

Item 15.—The decrease follows the reduction of expenditure on works proposed to be carried out through the agency of the Public Works Department and Local Fund Engineer.

The increase in Kistna is due to the provision of Rs. 6,570 for expenditure in the year out of the Rs. 11,570 sanctioned for the construction of a bridge over Ryves' canal at Bezvada—*vide* G.O., dated 10th July 1889, Mis. No. 4309. In Malabar and South Canara, the increased expenditure mainly consists of contributions to Local Funds fixed with reference to the probable available assets.

6. The Board notes that the grant for the construction and repair of ferry boats has been repeated by the Collector of Godáviri in revising the estimates for the current

year. The construction of three ballacuts having been separately provided for (*vide* item 9), the Collector is requested to report whether the allotment now made does not require modification with reference to the remarks made by the Board in paragraph 3 of its Proceedings, dated 11th December 1889, No. 881. Of the several works enumerated in paragraph 5, items Nos. (2), (5), (10), (11), (12) and (13) are proposed to be executed through the agency of the Public Works Department, and the usual allotment on account of the cost of supervision, tools and plant, which comes to Rs. 1,502, is included in item (15).

BUDGET ESTIMATE FOR 1891-92.

7. The receipts and charges during the year are estimated by the Collectors at Rs. 1,50,100 and Rs. 2,01,900, respectively, or Rs. 200 less than, and Rs. 7,400 in excess of, the revised estimates, as under:—

	Receipts.	Charges.
	RS.	RS.
1. Arcot, South	1,300	
2. Canara, South	25,200	25,200
3. Cuddapah	800	300
4. Godáviri	31,100	79,500
5. Kistna	6,000	12,500
6. Madura	100	
7. Malabar	66,500	66,500
8. Tanjore	7,000	6,400
9. Tinnevely	100	
10. Trichinopoly	12,000	11,500
Total ...	1,50,100	2,01,900

8. The receipts vary by only Rs. 200 from the regular estimate, and do not call for remarks.

9. *Charges.*—The probable charges are put down at Rs. 2,01,900 and exceed the regular estimate by Rs. 7,400, which is the result of variations in the following districts:—

	RS.		RS.
Cuddapah	100	Kistna	1,600
Godáviri	8,400		
Malabar	100		
Trichinopoly	400		
	+ 9,000		

The increase in Godáviri is principally caused by the greater provision made for the steam launch for the Rajahmundry ferry, as also by the amount allotted for a steam launch at Narsápur, which is not provided for in the revised estimate. A sum of Rs. 25,000 was sanctioned by Government on account of a steam launch for the Rajahmundry ferry. The Collector has provided Rs. 10,000 in the revised estimate of the current year, and Rs. 20,000 in the estimate of 1891-92, thus exceeding the sanction by Rs. 5,000. This requires explanation. The Board further finds that the Collector has made a provision of Rs. 2,000 for the construction of another wharf, as the one sanctioned for Rajahmundry is nearing completion; but when sanctioning the latter, the Board remarked that similar projects should be deferred until the first was finished and experience gained. The wharf at Rajahmundry is not yet open for public use and it will be too soon to express any opinion. The provision will, however, be allowed to stand on the understanding that the work will not be taken in hand, pending further report from the Collector regarding the Rajahmundry wharf. As regards the decrease of Rs. 1,600 in Kistna, it is due to a provision of Rs. 5,000 for the bridge over Ryves' canal at Bezvada, as against Rs. 6,570 in the revised estimate for the current year. The Collector reports that a revised estimate has been submitted to Government, and that if it should be sanctioned, the provision will have to be increased by Rs. 5,610.

10. The amount proposed to be contributed to Local Funds during 1891-92 is compared below with the revised grant on the same account in the current year:—

	Revised.	Budget.
	RS.	RS.
1. Canara, South	20,960	20,560
2. Kistna	1,000	1,000
3. Malabar	65,200	65,300
4. Tanjore	6,000	6,000
5. Trichinopoly	11,000	11,400
Total ...	1,04,160	1,04,260

The amount entered against Malabar includes also the usual contributions to the Cochin Sirkar and the Municipality.

11. The annexed statement exhibits the estimated receipts and charges of the fund for 1891-92:—

Districts.	Balance at the beginning of 1891-92.	Receipts during the year.	Total.	Expenditure during the year.	Balance at the end of 1891-92.
	RS.	RS.	RS.	RS.	RS.
1. Arcot, South	6,300	1,300	7,600		7,600
2. Canara, South	25,200	25,200	25,200	25,200	
3. Cuddapah	4,700	800	5,500	300	5,200
4. Godáviri	1,29,300	31,100	1,60,400	79,500	80,900
5. Kistna	19,500	6,000	25,500	12,500	13,000
6. Madura	100	100	200		200
7. Malabar	100	66,500	66,600	66,500	100
8. Tanjore	4,000	7,000	11,000	6,400	4,600
9. Tinnevely	1,300	100	1,400		1,400
10. Trichinopoly	2,700	12,000	14,700	11,500	3,200
Total ..	1,68,000	1,50,100	3,18,100	2,01,900	1,16,200

The year is expected to close with a balance of Rs. 1,16,200 or Rs. 51,800 less than the amount with which it is expected to commence. The bulk of the balance appertains to Godáviri, where it amounts to Rs. 80,900. This will still further be diminished if all the works sanctioned in G.O., dated 17th October 1889, No. 847, are fully carried out.

(A true Extract.)

(Signed) H. A. SIM,
Acting Secretary.

To the Secretary to Government, Revenue Department.

„ Collector of South Arcot.
„ „ of South Canara.
„ „ of Cuddapah.
„ „ of Godáviri.
„ „ of Kistna.
„ „ of Madura.
„ „ of Malabar.
„ „ of Tanjore.
„ „ of Tinnevely.
„ „ of Trichinopoly.
„ „ of Vizagapatam.
„ Accountant-General.
„ Examiner of Public Works Accounts.

APPENDIX.

ESTIMATE of expenditure of Canal and Ferry Fund for 1891-92.

Districts.	Items.	ALLOTMENT FOR 1891-92.		
		By Public Works Department.	By Revenue Department.	Total.
		RS.	RS.	RS.
Canara, South ..	Construction and repair of boats and platforms	..	2,000	..
	Do. of ferry and jangar sheds	..	1,500	..
	Contribution to Local Funds	..	20,560	..
	Establishment and Miscellaneous charges	..	1,140	25,200
Cuddapah	Cost of boats at crossings and purchase of a boat for the Mydakur ferry	..	300	300
	Establishment and working charges for the Rajahmundry ferry steamer	..	7,500	..
	Construction and repair of ferry boats	..	8,000	..
	Do. of rest-houses	..	200	..
	Improvement of landing places	..	450	..
	Construction of a landing ghât at the steam ferry landing place at other place than Rajahmundry	..	2,000	..
Godâvari	Construction of an iron-girder bridge over the Mattalapa-lem salt creek including the cost of supervision, tools and plant	..	5,855	..
	Purchase of a steam launch for Rajahmundry ferry	20,000	..	..
	Do. Narsâpur ferry	20,000	..	..
	Construction of bridges across irrigation channels and drains	10,000	..	..
	Maintenance of Kovur-Munjair junction canal	1,800	..	..
	Repair of ferry boats on Kovur-Munjair junction canal	250	..	..
	Clearing silt in the old loading channel at Dowlaishweram	100	..	..
	Cost of supervision, tools and plant	2,915	..	..
	Establishment and Miscellaneous	..	420	79,490
Kistna	Construction and repair of ferry boats	..	6,000	..
	Do. of a bridge over the Ryves' canal at Bezvâda	..	5,000	..
	Contribution to Local Funds	..	1,000	..
	Establishment and Miscellaneous	..	500	12,500
Malabar	Contribution to the Cochin Sirkar	..	1,500	..
	Do. to the Cochin Municipality	..	2,200	..
	Do. to the Local Funds	..	61,600	..
	Compensation to ferry contractor	..	200	..
	Establishment and contingent charges	..	1,000	66,500
Tanjore	Construction and repair of boats	..	300	..
	Contribution to Local Funds	..	6,000	..
	Establishment and Miscellaneous	..	100	6,400
Trichinopoly ..	Contribution to Local Funds	..	11,400	..
	Establishment, &c.	..	100	11,500
	Grand Total	..	..	2,01,890
	Or	..	..	2,01,900

* By Local Fund Engineer.

READ—the following office-note from C. A. GALTON, Esq., Secretary to Government, Revenue Department, to the Secretary to Government, Public Works Department, dated Fort St. George, 3rd November 1890, No. 50 :—

In forwarding, herewith, the budget estimates of receipts and charges of the Canal and Ferry Fund for 1891-92 as prepared by the Board of Revenue, the undersigned has the honor to enquire whether provision is made by the Board for all the works proposed to be executed by the Public Works Department during the next year from Canal and Ferry Fund.

READ—the following office-note from Colonel J. PENNYCUICK, R.E., Secretary to Government, Public Works Department, to the Secretary to Government, Revenue Department, dated Chepâk, 11th November 1890, No. 4643 C. :—

[Your office-note No. 50 of the 3rd instant.]

The only works under Canal and Ferry Funds proposed for execution by the Public Works Department during 1891-92 and brought forward by Superintending Engineers in their budget estimates for that year are—

(1) Maintenance of the Kovur-Munjair junction canal	RS. 1,800
(2) Repair of ferry boats on the Kovur-Munjair junction canal	250
(3) Clearing silt in the old loading channel at Dowlaishweram	100

2. The marginally-noted works proposed for execution by the Public Works

	RS.	Department in the Proceedings of the Board of Revenue received with your office-note under reply have not been included in the budget estimate submitted by the Superintending Engineer, I Circle. If, however, it is intended that the Public Works Department should carry out the works, the necessary grants may be placed at the disposal of this department.
(1) Purchase of a steam launch for the Rajahmundry ferry	20,000	
(2) Purchase of a steam launch for the Narsâpur ferry	20,000	
(3) Construction of bridges across irrigation channels and drains. 10,000		

3. With reference to G.O., No. 914, Revenue, dated 16th November 1889, a sum of Rs. 25,000 was provided in the current year's Public Works budget for the construction of a steam launch for the Narsâpur ferry. As this grant appears to have been withdrawn in the revised estimate of charges for 1890-91, please say whether the amount may be resumed and replaced at the disposal of the Revenue Department.

4. The Proceedings of the Board of Revenue received with your office-note are returned herewith.

ORDER—dated 22nd November 1890, No. 949, Revenue.

Miscellaneous.

With the first paper read above, the Board of Revenue submits the revised estimate of receipts and charges of the Canal and Ferry Fund for the current year and the budget estimates for 1891-92.

2. *Revised estimate.*—The receipts are estimated at Rs. 1,50,300 or Rs. 8,970 in excess of the sanctioned estimate. The increase is fully explained in paragraph 4 of the Board's Proceedings. The charges are estimated at Rs. 1,94,500 or Rs. 27,990 less than the sanctioned figure. In the Godâvari district, there is a falling off of Rs. 41,760, which is due to the withdrawal of Rs. 25,000, being the provision made for the construction of a steam launch for the Narsâpur ferry and to the surrender of a portion of the grants by the officers entrusted with the other works. The increase in Kistna, South Canara and Malabar are explained in paragraph 5 of the Board's Proceedings.

3. *Budget estimate.*—The estimated receipts differ from the revised estimate by only Rs. 200 and call for no remark. The charges are estimated at Rs. 2,01,900, which must be raised to Rs. 2,07,510 with reference to G.O., dated 18th November 1890, No. 7043. There will thus be an increase of Rs. 13,010 over the sanctioned estimate. This appears chiefly in Godâvari (Rs. 8,400) and Kistna (Rs. 4,010) and is fully explained in paragraph 9 of the Board's Proceedings and the statement appended thereto.

	Receipts.	Charges.	
	RS.	RS.	
* Revised estimate ...	1,50,000	1,95,000	
Budget do. ...	1,50,000	2,08,000	

4. The estimates * as above modified will be forwarded to the Financial Department, the figures being taken to the nearest thousands with reference to G.O., dated 3rd December 1889, No. 975.

5. With reference to paragraph 2 of the second paper read above, the Public Works Department will be informed that the three works noted on the margin thereof are intended to be carried out by that department. The query in paragraph 3 is answered in the affirmative.

(True Extract.)

(Signed) C. A. GALTON,
Secretary to Government.

To the Commissioners of Land Revenue.
„ the Public Works Department.
„ the Financial Department.
„ the Accountant-General.

Exd. A. Aubert.

70 Copies.

Reviewing the — for 1891-92.

D. W.

17TH JANUARY 1890, No. 135 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

	Telegram from the Superintending Engineer, I Circle,	dated	22nd December 1889.
" "	" " Executive Engineer," Rushikulya Division,	dated	5th January 1890.
" "	" " Superintendent Engineer, II Circle,	dated	25th December 1889.
" "	" " Letter from the Superintending Engineer, III Circle,	No. 2769,	dated 17th December 1889.
" "	" " " " " "	2841, " 20th " "	
" "	" " " " " "	2926, " 24th " "	
" "	" " " " " "	2914, " 23rd " "	
" "	" " " " " "		dated 6th January 1890.
" "	" " Telegram " " " "	IV Circle, No. 574 E.W.,	dated 29th Dec. 1889.
" "	" " Letter from the Superintending Engineer, V " "	6472,	dated 8th January 1890.
" "	" " " " " "	6511, " 9th " "	
" "	" " Telegram from the Superintending Engineer, VI Circle,	dated	5th January 1890.
" "	" " Letter " " " "	No. 2122 T.J.,	dated 4th Jan. 1890.
" "	" " Chief Engineer, Periyár Project,	No. 2299 P.R.,	dated 23rd Dec. 1889.

ORDER—dated 17th January 1890, No. 135 W., Public Works.

The following Military Upper Subordinates of the Madras Public Works Department will be transferred to the Military Works Branch as soon as required by the Superintending Engineer, Madras Command :—

Conductor J. Kelly, Sub-Engineer, 3rd Grade, Temporary.
Sergeant D. Mackintosh, Supervisor, 1st Grade.
Sub-Conductor J. Patton, Supervisor, 1st Grade.
Sergeant R. T. Healy, Supervisor, 2nd Grade.
Sergeant T. Turner, Supervisor, 2nd Grade, Temporary.
Sergeant W. L. Emery, Overseer, 1st Grade.

2. Their names will be removed from the Madras Public Works Department list from the dates of relief, but for purposes of military promotion they will remain on the Madras list.

3. The sanctioned scale of Upper Subordinates will be reduced to 179 and be distributed among the grades as follows:—

among the grades as follows:							
Sub-Engineers, 1st Grade	...	...	...	...	...	...	9
Do. 2nd "	...	...	...	...	...	...	8
Do. 3rd "	...	...	...	...	...	...	17
							34
							21
Supervisors, 1st Grade	...	...	...	...	...	...	35
Do. 2nd "	...	...	...	...	...	...	56
							42
Overseers, 1st Grade	...	...	...	...	...	...	27
Do. 2nd "	...	...	...	...	...	...	20
Do. 3rd "	...	...	...	...	...	...	89
							179
					Total	...	179

4. Any excess in the present grades will be "Supernumerary" and be absorbed as vacancies occur.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Chief Engineer, Periyár Project.
To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Military Department.

Exd. J. Moses.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 17th.

Recd.

Encl.

G.O., 17th Jan. 1890, No. 135 W.

JANUARY.

Military Works Department

Transfer of certain Military Upper Sub-ordinates of the Madras Public Works Department to the —.