Govt. of {1889} Madras.

REVENUE.

Issued

Recd. 10SC 10973 Encl.

89

G.O., 16th November 1889, No. 914.

Bk. 33995 of 28 Novr 89

NOVEMBER.

Revised and budget estimates of receipts and charges of the Canal and Ferry Fund.

The — for 1889-90 and 1890-91, respectively, reviewed.

Order thereon No: 3399 W a/28.11

Communicated to the Supt. Engineer I Circle for information

2. The works to be carried out by the Br. Deptt. will be included in the Incorporated Local Fund Budget for 1890-91.

1201 RREDB.

S.E. I Circle

ESTIMATE of expenditure of Canal and Ferry Fund for 1890-91.

| Districts. | Items. | ALLOTMENT FOR 1890-91. By Public Works Department. | By Revenue Department. | Total. |
|---|---|---|---|---|
| | | RS. | RS. | RS. |
| Godávari .. .. | Establishment and working charges for the ferry steamer at Rajahmundry .. .. .. .. .. .. | .. | 9,000 | |
| | Construction of bridges across irrigation channels and drains .. .. .. .. .. .. .. | 12,000 | .. | |
| | Construction and repair of ferry boats .. .. .. | .. | 12,000 | |
| | Do. and repair of rest-houses .. .. .. | .. | 500 | |
| | Do. of an aqueduct over the Chollanghi river .. | 3,500 | .. | |
| | Improvement of landing places .. .. .. .. | .. | 500 | |
| | Construction of a steam launch for the Narsápur ferry .. | 25,000 | .. | |
| | Do. of an iron-girder bridge over the Mattapalem salt-creek .. .. .. .. | 30,850 | | |
| | Do. of three ballacuts to be kept in stock .. | .. | 1,500 | |
| | Maintenance of Kovur-Munjair junction canal .. | 5,000 | .. | |
| | Repair of ferry boats on Kovur-Munjair junction canal. | 200 | .. | |
| | Clearing silt in the old loading channel at Dowlaishweram .. .. .. .. .. .. .. | 100 | .. | |
| | Cost of supervision and tools and plant .. .. .. | 12,605 | .. | |
| | Establishment and miscellaneous charges .. .. | .. | 100 | |
| | | | | 1,12,855 |
| Kistna .. .. | Construction and repair of ferry boats .. .. .. | .. | 6,000 | |
| | Contribution to Local Funds .. .. .. .. | .. | 1,000 | |
| | Establishment and miscellaneous charges .. .. | .. | 500 | |
| | | | | 7,500 |
| South Canara .. | Construction and repair of boats and platforms .. .. | .. | 2,000 | |
| | Do. do. of ferry and jangar sheds .. | .. | 1,100 | |
| | Establishment .. .. .. .. .. .. .. | .. | 600 | |
| | Contribution to Local Funds .. .. .. .. | .. | 19,430 | |
| | Miscellaneous .. .. .. .. .. | .. | 600 | |
| | | | | 23,730 |
| Cuddapah .. .. | Construction of boats and contingencies .. .. .. | .. | 180 | |
| | | | | 180 |
| Malabar .. .. | Establishment and miscellaneous charges .. .. | .. | 1,900 | |
| | Contribution to Cochin Municipality .. .. .. | .. | 1,800 | |
| | Do. to Local Funds .. .. .. .. | .. | 57,300 | |
| | | | | 61,000 |
| Tanjore .. .. | Establishment and miscellaneous charges .. .. | .. | 100 | |
| | Contribution to Local Funds .. .. .. .. | .. | 5,800 | |
| | Construction and repair of boats .. .. .. .. | .. | 200 | |
| | | | | 6,100 |
| Tinnevelly .. .. | Miscellaneous establishment .. .. .. .. | .. | 20 | |
| | | | | 20 |
| Trichinopoly .. | Contribution to Local Funds .. .. .. .. | .. | 11,000 | |
| | Establishment and miscellaneous charges .. .. | .. | 100 | |
| | | | | 11,100 |
| | Total .. | .. | .. | 2,22,485 |
| | Or in round numbers .. | .. | .. | 2,22,490 |

(True Extract.)

(Signed) J. GROSE,
Ag. Secretary to Government.

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

Exd. T. K. Narayana Aiyangar.

70 Copies.

| | | Rs. |
|---|---|---|
| (1) | Construction of an aqueduct over the Chollanghi river ... ... | 3,500 |
| (2) | Maintenance of the Kovur-Munjair junction canal ... ... | 5,000 |
| (3) | Repair of ferry boats on the Kovur-Munjair junction canal ... | 200 |
| (4) | Repairs to the old loading channel at Dowlaishweram ... ... | 100 |

2. The marginally-noted works proposed for execution by the Public Works 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 execute the works, the necessary grants may be placed at the disposal of this department.

| | Rs. |
|---|---|
| Construction of bridges across irrigation canals and drains ... ... | 12,000 |
| Construction of a steam launch for the Narsápur ferry ... ... | 25,000 |

3. To admit of the timely issue of the Incorporated Local Fund budget estimate of works to be carried out by the Public Works Department during 1890-91, it is requested that very early intimation may be given of the grants under Canal and Ferry funds inclusive of percentage charges for establishment and tools and plant.

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

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READ—the following Proceedings of the Board of Revenue (Land Revenue), dated 7th November 1889, No. 6819, Mis.:—

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MR. H. W. BLISS.

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*Read*—endorsement of the Secretary to Government, Revenue Department, dated 5th November 1889, No. 7130, on office-note from the Under Secretary to Government, Public Works Department, dated 2nd November 1889, No. 5030-C.

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*Resolution*—dated 7th November 1889, No. 6819, Mis.

The Board begs to state that the two works named on the margin of paragraph 2 of the office-note from the Public Works Department are intended to be executed by that department, and that they are so entered by the Collector in his budget estimate with reference to paragraph 4 of Board's Proceedings, dated 12th November 1888, No. 6642, Mis., read in G.O., dated 20th November 1888, No. 805.

(A true Extract.)

(Signed) M. HAMMICK,
Secretary.

To the Secretary to Government, Revenue Department,
with office-note of Under Secretary to Government,
Public Works Department (returned).

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ORDER—dated 16th November 1889, No. 914, Revenue.

Miscellaneous.

With the first of the papers read above are forwarded the revised estimate of receipts and charges of the Canal and Ferry fund for the current year and the budget estimate for 1890-91.

2. *Revised estimate.*—The receipts vary but slightly from the sanctioned estimate (Rs. 1,43,532 against Rs. 1,42,290—sanctioned estimate). The estimate of charges requires modification. The Board has provided only Rs. 3,063 for the completion of



the ferry steamer at Rajahmundry. The amount will be raised to Rs. 4,460 with reference to G.O., dated 17th October 1889, No. 847. From the provision (Rs. 4,577) made for cost of supervision and tools and plant, it is inferred that the work of constructing bridges across irrigation channels and drains in the Godávari district is proposed to be executed through the agency of the Public Works Department, although it was not so entered in the appendix to G.O., dated 20th November 1888, No. 805, Revenue. This amount will be increased by Rs. 343 on account of the increased provision made as above for completing the ferry steamer at Rajahmundry. As thus amended, the revised estimate of charges will stand at Rs. 75,642 for the Godávari district and at Rs. 1,95,406 for the whole Presidency. It is presumed that the cost of construction of a boat for the Tallapalem ferry (Rs. 460)—item "*f*" in paragraph 3 of Board's Proceedings, printed with G.O., dated 17th October 1889, No. 847—is included in the sum of Rs. 12,670 provided for construction and repair of boats in the revised estimate.

3. *Budget estimate for* 1890-91.—The receipts are estimated at Rs. 1,41,330 or Rs. 2,202 less than the revised estimate. The decrease occurs chiefly in the Godávari district, which is stated to be due to the estimate being based upon the average of three years. At the time of the preparation of the estimates, the Board had not received the orders of Government on their proposals for the utilisation of the balance in favor of the fund at the end of 1889-90 in the Godávari district. Those orders are contained in G.O., dated 17th October 1889, No. 847, and with reference thereto, provision will be made for the following works:—

| | Rs. |
|---|---|
| i. Construction of an iron-girder bridge over the Mattalapalem salt-creek ... ... ... ... ... ... ... ... | 30,850 |
| ii. Construction of three ballacuts ... ... ... ... ... | 1,500 |
| iii. Cost of supervision and tools and plant for (i) ... ... ... | 7,558 |

The provision of Rs. 12,000 entered as for construction of bridges across irrigation channels and drains is, it is presumed, intended to meet the estimated outlay during the year on works (*b*) to (*e*) specified in paragraph 3 of the Board's Proceedings disposed of in G.O., dated 17th October 1889, No. 847, Revenue. The Board is requested to report upon the point. The estimate of charges as thus revised amounts to Rs. 1,12,855 for the Godávari district and to Rs. 2,22,488 for the whole Presidency.

4. The estimates, as modified and approved, and a statement of particulars of expenditure for 1890-91 are appended.

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| | 1889-90. | | | | | 1890-91. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Balance at the beginning of the year. | Revised estimate of receipts. | Total. | Revised estimate of charges. | Balance at the end of the year. | Balance at the beginning of the year in round figures. | Receipts. | Total. | Charges. | Balance at the end of the year. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, North .. .. | 4,044 | 961 | 5,005 | 2 | 5,003 | 5,000 | 950 | 5,950 | .. | .. |
| 2. Canara, South .. .. | 14 | 23,230 | 23,244 | 23,230 | 14 | 10 | 23,730 | 23,740 | 23,730 | 10 |
| 3. Cuddapah .. .. | 3,197 | 981 | 4,178 | 180 | 3,998 | 4,000 | 830 | 4,830 | 180 | 4,650 |
| 4. Godávari .. .. | 1,70,492 | 32,820 | 2,03,312 | 75,642 | 1,27,670 | 1,27,670 | 30,100 | 1,57,770 | 1,12,860 | 44,910 |
| 5. Kistna .. .. | 21,804 | 7,500 | 29,304 | 19,120 | 10,184 | 10,180 | 7,500 | 17,680 | 7,500 | 10,180 |
| 6. Malabar .. .. | 61 | 61,000 | 61,061 | 60,912 | 149 | 150 | 61,000 | 61,150 | 61,000 | 150 |
| 7. Tanjore .. .. | 1,716 | 6,120 | 7,836 | 6,100 | 1,736 | 1,740 | 6,120 | 7,860 | 6,100 | 1,760 |
| 8. Tinnevelly .. .. | 1,077 | 120 | 1,197 | 20 | 1,177 | 1,180 | 100 | 1,280 | 20 | 1,260 |
| 9. Trichinopoly .. .. | 700 | 10,800 | 11,500 | 10,200 | 1,300 | 1,300 | 11,000 | 12,300 | 11,100 | 1,200 |
| Total .. | 2,03,105 | 1,43,532 | 3,46,637 | 1,95,406 | 1,51,231 | 1,51,230 | 1,41,330 | 2,92,560 | 2,22,490 | 70,070 |

Estimate of expenditure of Canal and Ferry Fund for 1890-91—*cont.*

| Districts. | Items. | Allotment for 1890-91. By Public Works Department. | By Revenue Department. | Total. |
|---|---|---|---|---|
| | | Rs. | Rs. | Rs. |
| Cuddapah .. | Construction of boats and contingencies .. .. .. | .. | 180 | 180 |
| Malabar .. .. | Establishment and miscellaneous charges .. .. .. | .. | 1,900 | |
| | Contribution to Cochin Municipality .. .. .. | .. | 1,800 | |
| | Do. to Local Funds .. .. .. .. | .. | 57,300 | 61,000 |
| Tanjore .. .. | Establishment and miscellaneous charges .. .. .. | .. | 100 | |
| | Contribution to Local Funds .. .. .. .. | .. | 5,800 | |
| | Construction and repair of boats .. .. .. .. | .. | 200 | 6,100 |
| Tinnevelly .. | Miscellaneous establishment .. .. .. .. .. | .. | 20 | 20 |
| Trichinopoly .. | Contribution to Local Funds .. .. .. .. | .. | 11,000 | |
| | Establishment and miscellaneous charges .. .. .. | .. | 100 | 11,100 |
| | Total .. | .. | .. | 1,82,577 |
| | Or in round numbers .. | .. | .. | 1,82,580 |

(True Extract.)

(Signed) M. HAMMICK,
Secretary.

To the Secretary to Government, Revenue Department.

Copy to the Collector of South Arcot.
" " " of South Canara.
" " " of Cuddapah.
" " " of Godávari.
" " " of Kistna.
" " " of Malabar.
" " " of Tanjore.
" " " of Trichinopoly.
" " " of Tinnevelly.
" " Accountant-General.
" " Examiner of Public Works Accounts.

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READ—the following office-note from the Acting Secretary to Government, Revenue Department, to the Secretary to Government, Public Works Department, dated Fort St. George, 30th October 1889, No. 55 :—

In forwarding herewith the budget estimate of receipts and charges of the Canal and Ferry fund for 1890-91, as prepared by the Board of Revenue, the undersigned has the honor to inquire whether it provides for all the works proposed to be executed by the Public Works Department during the next year from Canal and Ferry funds.

(Signed) J. GROSE.

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READ—the following office-note from the Under Secretary to Government, Public Works Department, to the Secretary to Government, Revenue Department, dated Chepâk, 2nd November 1889, No. 5030-C :—

Your office-note No. 55, dated 30th October 1889.

The Superintending Engineers concerned have brought forward only the following works for inclusion in the Incorporated Local Fund budget for 1890-91 under Canal and Ferry funds.



No reason is assigned by the Collector of South Canara for the large increase in his district. It is presumed that the order of Government discontinuing the contribution to the Mangalore Municipality, coupled with the diminished provision under construction of ferry boats and platforms, &c., during the current year, will leave a larger surplus balance available for transfer during the ensuing year.

10. The subjoined statement exhibits the estimated receipts and charges of the fund for 1890-91 :—

| Districts. | Balance at the beginning of 1890-91. | Receipts during the year. | Total. | Expenditure during the year. | Balance at the end of 1890-91. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, South .. .. .. .. | 5,000 | 950 | 5,950 | .. | 5,950 |
| 2. Canara, South .. .. .. .. | 10 | 23,730 | 23,740 | 23,730 | 10 |
| 3. Cuddapah .. .. .. .. | 4,000 | 830 | 4,830 | 180 | 4,650 |
| 4. Godávari .. .. .. .. | 1,29,410 | 30,100 | 1,59,510 | 72,950 | 86,560 |
| 5. Kistna .. .. .. .. .. | 10,180 | 7,500 | 17,680 | 7,500 | 10,180 |
| 6. Malabar .. .. .. .. .. | 150 | 61,000 | 61,150 | 61,000 | 150 |
| 7. Tanjore .. .. .. .. .. | 1,740 | 6,120 | 7,860 | 6,100 | 1,760 |
| 8. Tinnevelly .. .. .. .. | 1,180 | 100 | 1,280 | 20 | 1,260 |
| 9. Trichinopoly .. .. .. .. | 1,300 | 11,000 | 12,300 | 11,100 | 1,200 |
| Total .. | 1,52,970 | 1,41,330 | 2,94,300 | 1,82,580 | 1,11,720 |

The year is expected to close with a balance of Rs. 1,11,720 to the credit of the fund, of which Rs. 86,560 appertain to Godávari. This, however, will be reduced if Government accord their sanction to the proposals submitted with Board's Proceedings, dated 23rd September 1889, No. 5785, Mis.

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## APPENDIX.

ESTIMATE of expenditure of Canal and Ferry Fund for 1890-91.

| Districts. | Items. | Allotment for 1890-91. By Public Works Department. | By Revenue Department. | Total. |
|---|---|---|---|---|
| | | Rs. | Rs. | Rs. |
| Godávari .. | Establishment and working charges for the ferry steamer at Rajahmundry .. .. .. .. .. .. | .. | 9,000 | |
| | Construction of bridges across irrigation canals and drains .. .. .. .. .. .. .. | 12,000 | .. | |
| | Construction and repair of ferry boats .. .. .. | .. | 12,000 | |
| | Do. do. of rest-houses .. .. .. | .. | 500 | |
| | Do. of an aqueduct over the Chollanghi river .. | 3,500 | .. | |
| | Improvement of landing places .. .. .. .. | .. | 500 | |
| | Construction of a steam launch for the Narsápur ferry .. | 25,000 | .. | |
| | Maintenance of Kovur-Munjair junction canal .. .. | 5,000 | .. | |
| | Repair of ferry boats on do. .. .. | 200 | .. | |
| | Clearing silt in the old loading channel at Dowlaishweram | 100 | .. | |
| | Cost of supervision and tools and plant .. .. .. | 5,047 | .. | |
| | Establishment and miscellaneous charges .. .. .. | .. | 100 | 72,947 |
| Kistna .. .. | Construction and repair of ferry boats .. .. .. | .. | 6,000 | |
| | Contribution to Local Funds .. .. .. .. .. | .. | 1,000 | |
| | Establishment and miscellaneous charges .. .. .. | .. | 500 | 7,500 |
| South Canara .. | Construction and repair of boats and platforms .. .. | .. | 2,000 | |
| | Do. do. of ferry and jangar sheds .. | .. | 1,100 | |
| | Establishment .. .. .. .. .. .. .. | .. | 600 | |
| | Contribution to Local Funds .. .. .. .. .. | .. | 19,430 | |
| | Miscellaneous .. .. .. .. .. .. .. | .. | 600 | 23,730 |

The estimate in South Canara is framed on the average collections of the past three years, and the expected increase of revenue on account of the extension of ferries; and in Kistna, the current year's rental realized has been adopted. The decrease in Trichinopoly is due to there having been no such increase in ferry rents as was anticipated, and also to crediting a portion of the collections on account of the current year's lease in the previous year.

4. *Charges.*—The probable charges are estimated at Rs. 1,93,666 against the sanctioned figure of Rs. 1,72,205, exhibiting a net increase of Rs. 21,461, as noted below :—

| | Rs. | | Rs. |
|---|---|---|---|
| Canara, South ... ... ... | + 1,000 | Arcot, South ... ... ... ... | — 8 |
| Godávari ... ... ... ... | + 8,987 | Malabar ... ... ... ... | — 88 |
| Kistna ... ... ... ... | + 11,570 | | |
| Total ... | + 21,557 | Total ... | — 96 |

The difference in Kistna represents the provision for the construction of a bridge over Ryves' canal at Bezváda, sanctioned by Government in their order, dated 10th July 1889, No. 4309, Mis. The increase in South Canara is chiefly due to the larger amount proposed to be contributed to Local Funds. The provision of Rs. 3,063 for expenditure on the ferry steamer at Rajahmundry and of Rs. 2,170 for constructing a wharf at the steam ferry landing place is the main cause of the increase in Godávari. The Board observe that the Executive Engineer in his letter, dated 4th May 1889, No. 545, printed in G.O., dated 30th July 1889, No. 2049 W., considered that a sum of Rs. 290 would be sufficient to meet the expenses connected with the ferry steamer during the current year. It is not clear why the Collector has now allotted for it as much as Rs. 3,063. He will report further.

5. The details of expenditure in Godávari are exhibited below :—

| | Sanctioned estimate. | Revised estimate. |
|---|---|---|
| | Rs. | Rs. |
| (1) Establishment and working charges of the Rajahmundry steam ferry ... .. ... | 9,000 | 9,300 |
| (2) Construction of bridges across irrigation canals and drains ... ... .. ... ... ... | 6,000 | 6,522 |
| (3) Construction and repair of ferry-boats ... ... | 12,210 | 12,670 |
| (4) Do. do. of rest-houses ... ... | 740 | 740 |
| (5) Do. of an aqueduct over the Chollanghi river ... ... ... ... ... | 4,000 | 4,000 |
| (6) Improvement of landing places ... ... ... | 470 | 470 |
| (7) Construction of a steam launch for the Rajahmundry ferry ... .. ... ... ... ... | 25,000 | 25,000 |
| (8) Repairs to Kovur-Munjair junction canal ... ... | 5,000 | 5,000 |
| (9) Repair of ferry boats on do. ... ... | 200 | 200 |
| (10) Clearing silt in the old loading channel at Dowlaishweram ... .. ... ... ... ... | ... | 100 |
| (11) Construction of a wharf at the steam ferry landing place at Rajahmundry ... ... ... ... | ... | 2,170 |
| (12) Construction of a ferry steamer for the Rajahmundry ferry ... ... ... ... ... ... ... | ... | 3,063 |
| (13) Establishment and miscellaneous charges ... ... | 90 | 90 |
| (14) Cost of supervision, tools and plant ... ... ... | 2,205 | 4,577 |
| Total ... | 64,915 | 73,902 |

The differences against items (11) and (12) have already been accounted for in the foregoing paragraphs. The variation in item I represents the cost of certain articles of English manufacture required for the Godávari steamer.

6. *Budget estimate for* 1890-91.—The receipts and charges during the year as estimated by the Collectors aggregate Rs. 1,41,330 and Rs. 1,82,580, respectively.



| | Receipts. | Charges. |
|---|---|---|
| | Rs. | Rs. |
| (1) Arcot, South ... ... ... ... ... | 950 | ... |
| (2) Canara, South ... ... ... ... ... | 23,730 | 23,730 |
| (3) Cuddapah ... ... ... ... ... ... | 830 | 180 |
| (4) Godávari ... ... ... ... ... ... | 30,100 | 72,950 |
| (5) Kistna ... ... ... ... ... ... | 7,500 | 7,500 |
| (6) Malabar ... ... ... ... ... ... | 61,000 | 61,000 |
| (7) Tanjore ... ... ... ... ... ... | 6,120 | 6,100 |
| (8) Tinnevelly ... ... ... ... ... ... | 100 | 20 |
| (9) Trichinopoly ... ... ... ... ... | 11,000 | 11,100 |
| Total ... | 1,41,330 | 1,82,580 |

It will be observed from the foregoing figures that the charges in South Canara, Kistna and Malabar districts are equal to the receipts, and that in Tanjore and Trichinopoly they are very nearly so.

7. *Receipts.*—Compared with the revised figures, the receipts exhibit a net decrease of Rs. 2,202. It occurs chiefly in Godávari where the estimate is based on the average of three years. As against this decrease, South Canara shows an increase of Rs. 500, which is due to the reason assigned in paragraph 3 *supra*. The fluctuations in other districts are small and call for no remarks.

8. *Charges.*—The charges are estimated to amount to Rs. 1,82,580 or Rs. 11,086 less than the revised figures for 1889-90. The variations principally occur in the districts noted below :—

| | Rs. | | Rs. |
|---|---|---|---|
| Kistna ... ... ... ... | — 11,620 | South Canara ... ... ... | + 500 |
| Godávari ... ... ... ... | — 952 | Trichinopoly ... ... ... | + 900 |
| | — 12,572 | | + 1,400 |

The decrease in Kistna is not explained, but apparently is due to the extraordinary provision made in 1889-90 for the construction of the bridge already referred to. In Trichinopoly, the contribution to Local Funds has been placed at a high figure with reference to the probable balance at the close of the year. At the instance of the Collector of Godávari, the Superintending Engineer has applied to the Board for allotment of funds on account of the following works proposed to be executed through the agency of the Public Works Department during the next official year :—

| | Rs. |
|---|---|
| (1) Constructing an aqueduct over Chollanghi river, sanctioned in G.O., dated 16th March 1889, No. 811 W. ... ... ... | 3,500 |
| (2) Maintenance of the Kovur-Munjair junction canal ... ... | 5,000 |
| (3) Repair of ferry boats on do. do. ... ... | 200 |
| (4) Repairing the old loading channel at Dowlaishweram ... ... | 100 |

These will accordingly be provided in modification of the amount provisionally entered by the Collector. The most expensive provision made is one of Rs. 25,000 for a steamer for the Narsápur ferry

9. The amount proposed to be contributed to Local Funds during 1890-91, compared with that provided for the current year, is detailed below :—

| | Revised estimate for 1889-90. | Budget estimate for 1890-91. |
|---|---|---|
| | Rs. | Rs. |
| (1) South Canara ... ... ... ... ... | 15,335 | 19,430 |
| (2) Kistna ... ... ... ... ... ... | 1,000 | 1,000 |
| (3) Malabar ... ... ... ... ... ... | 58,912 | 59,100 |
| (4) Tanjore ... ... ... ... ... ... | 5,800 | 5,800 |
| (5) Trichinopoly ... ... ... ... ... ... | 11,000 | 11,000 |
| Total ... | 92,047 | 96,330 |

16th November 1889, No. 914, Revenue.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—the following Proceedings of the Board of Revenue (Land Revenue), dated 15th October 1889, No. 727 :—

Mr. H. W. Bliss.
Mr. W. S. Whiteside.

*Read*—the following papers :—

| | | | | | |
|---|---|---|---|---|---|
| From the Collector of Arcot, South, | dated | 18th September | 1889, | No. | 2159. |
| „ „ of Canara, South, | „ | 31st August | „ | „ | 3323. |
| „ „ of Cuddapah, | „ | 23rd September | „ | „ | 7417. |
| „ „ of Godávari, | „ | 31st August | „ | „ | 342. |
| „ Superintending Engineer, I Circle, | „ | 12th September | „ | „ | 1563-G.D. |
| „ Collector of Kistna, | „ | 5th „ | „ | „ | 5607. |
| „ „ of Malabar, | „ | 31st August | „ | „ | 3417-R. |
| „ „ of Tanjore, | „ | 27th „ | „ | „ | 344. |
| „ „ of Tinnevelly, | „ | 5th September | „ | „ | 810. |
| „ „ of Trichinopoly, | „ | 29th August | „ | „ | 357-4. |

*Resolution*—dated 15th October 1889, No. 727.

The Board resolve 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. *Revised estimate for* 1889-90.—The following abstract compares the revised estimate with the sanctioned figures. The opening balance has been adopted from the Special Fund Report for 1888-89 :—

| Districts. | Receipts. | | | | Charges. | | Balance. |
|---|---|---|---|---|---|---|---|
| | Balance at the beginning of 1889-90. | Revised estimated receipts during the year 1889-90. | Sanctioned estimate of receipts, 1889-90. | Total of columns 2 and 3. | Revised estimated expenditure during the year 1889-90. | Sanctioned estimate of expenditure, 1889-90. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, South .. .. .. | 4,044 | 961 | 950 | 5,005 | 2 | 10 | 5,003 |
| 2. Canara, South .. .. | 14 | 23,230 | 22,230 | 23,244 | 23,230 | 22,230 | 14 |
| 3. Cuddapah .. .. .. | 3,197 | 981 | 850 | 4,178 | 180 | 180 | 3,998 |
| 4. Godávari .. .. .. | 1,70,492 | 32,820 | 32,820 | 2,03,312 | 73,902 | 64,915 | 1,29,410 |
| 5. Kistna .. .. .. .. | 21,804 | 7,500 | 7,000 | 29,304 | 19,120 | 7,550 | 10,184 |
| 6. Malabar .. .. .. | 61 | 61,000 | 61,000 | 61,061 | 60,912 | 61,000 | 149 |
| 7. Tanjore .. .. .. | 1,716 | 6,120 | 6,120 | 7,836 | 6,100 | 6,100 | 1,736 |
| 8. Tinnevelly .. .. .. | 1,077 | 120 | 120 | 1,197 | 20 | 20 | 1,177 |
| 9. Trichinopoly .. .. .. | 700 | 10,800 | 11,200 | 11,500 | 10,200 | 10,200 | 1,300 |
| Total .. | 2,03,105 | 1,43,532 | 1,42,290 | 3,46,637 | 1,93,666 | 1,72,205 | 1,52,971 |

3. The probable receipts for the current year have been estimated at Rs. 1,43,532 or Rs. 1,242 in excess of the sanctioned figures. The following districts present variations as detailed against them :—

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Rs. | | | Rs. |
| Arcot, South ... ... ... | + | 11 | Trichinopoly ... ... ... | — | 400 |
| Canara, South ... ... ... | + | 1,000 | | | |
| Cuddapah ... ... ... ... | + | 131 | | | |
| Kistna ... ... ... ... | + | 500 | | | |
| Total ... | + | 1,642 | | | |

BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of {1887} Madras.

PUBLIC WORKS.

*Dated June, 3rd.*

*Recd.* *Encl.*

**G.O., 3rd June 1887, No. 1496 W.**

**JUNE.**

## Road

Approving the proposal that eight miles of — from Rámandrug to the Sandúr frontier on the Hospet side, and thirteen miles from Rámandrug to the junction with the Sandúr-Yettinahatti road, in the Bellary district, be maintained by the Public Works Department.

GOVERNMENT OF MADRAS.

## REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), dated 15th October 1889, No. 727 :—

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

*Read*—the following papers :—

| | | | | |
|---|---|---|---|---|
| From the Collector of Arcot, South, | dated 18th September 1889, | No. | 2159. |
| ,, ,, of Canara, South, | ,, 31st August | ,, | ,, | 3323. |
| ,, ,, of Cuddapah, | ,, 23rd September | ,, | ,, | 7417. |
| ,, ,, of Godávari, | ,, 31st August | ,, | ,, | 342. |
| ,, Superintending Engineer, I Circle, | ,, 12th September | ,, | ,, | 1563-G.D. |
| ,, Collector of Kistna, | ,, 5th ,, | ,, | ,, | 5607. |
| ,, ,, of Malabar, | ,, 31st August | ,, | ,, | 3417-R. |
| ,, ,, of Tanjore, | ,, 27th ,, | ,, | ,, | 344. |
| ,, ,, of Tinnevelly, | ,, 5th September | ,, | ,, | 810. |
| ,, ,, of Trichinopoly, | ,, 29th August | ,, | ,, | 357-4. |

*Resolution*—dated 15th October 1889, No. 727.

The Board resolve 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. *Revised estimate for* 1889-90.—The following abstract compares the revised estimate with the sanctioned figures. The opening balance has been adopted from the Special Fund Report for 1888-89 :—

| Districts. | Receipts. | | | | Charges. | | Balance. |
|---|---|---|---|---|---|---|---|
| | Balance at the beginning of 1889-90. | Revised estimated receipts during the year 1889-90. | Sanctioned estimate of receipts, 1889-90. | Total of columns 2 and 3. | Revised estimated expenditure during the year 1889-90. | Sanctioned estimate of expenditure, 1889-90. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | RS. | RS. | RS. | RS. | RS. | RS. | RS. |
| 1. Arcot, South .. .. .. | 4,044 | 961 | 950 | 5,005 | 2 | 10 | 5,003 |
| 2. Canara, South .. .. | 14 | 23,230 | 22,230 | 23,244 | 23,230 | 22,230 | 14 |
| 3. Cuddapah .. .. .. | 3,197 | 981 | 850 | 4,178 | 180 | 180 | 3,998 |
| 4. Godávari .. .. .. | 1,70,492 | 32,820 | 32,820 | 2,03,312 | 73,902 | 64,915 | 1,29,410 |
| 5. Kistna .. .. .. .. | 21,804 | 7,500 | 7,000 | 29,304 | 19,120 | 7,550 | 10,184 |
| 6. Malabar .. .. .. | 61 | 61,000 | 61,000 | 61,061 | 60,912 | 61,000 | 149 |
| 7. Tanjore .. .. .. | 1,716 | 6,120 | 6,120 | 7,836 | 6,100 | 6,100 | 1,736 |
| 8. Tinnevelly .. .. .. | 1,077 | 120 | 120 | 1,197 | 20 | 20 | 1,177 |
| 9. Trichinopoly .. .. .. | 700 | 10,800 | 11,200 | 11,500 | 10,200 | 10,200 | 1,300 |
| Total .. | 2,03,105 | 1,43,532 | 1,42,290 | 3,46,637 | 1,93,666 | 1,72,205 | 1,52,971 |

3. The probable receipts for the current year have been estimated at Rs. 1,43,532 or Rs. 1,242 in excess of the sanctioned figures. The following districts present variations as detailed against them :—

| | | RS. | | | RS. |
|---|---|---|---|---|---|
| Arcot, South ... ... ... | + | 11 | Trichinopoly ... ... ... | — | 400 |
| Canara, South ... ... ... | + | 1,000 | | | |
| Cuddapah ... ... ... ... | + | 131 | | | |
| Kistna ... ... ... ... | + | 500 | | | |
| Total ... | + | 1,642 | | | |



GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Civil Works.**

READ the following papers :—

Proceedings of the Board of Revenue, dated 1st September 1886, No. 1945.

From the Hon'ble H. St. A. GOODRICH, Collector of Bellary, to the Secretary to the Board of Revenue, dated 20th August 1886, No. 2652.

I have the honor to request that the orders of Government in the Financial department may be taken on the following subject.

2. The sanitarium of Rámandrug is situated in the Native State of Sandúr; after correspondence cited in Proceedings of the Madras Government, Financial department, 14th May 1873, No. 659, it was ordered that about twenty-six out of thirty-six miles of road which had been constructed to give access to the Rámandrug plateau from points on the trunk roads of the district should be maintained at an annual cost of Rs. 3,790, Local funds supplying the balance of the necessary expenditure, Rs. 1,810.

3. For seven * years this arrangement subsisted, as far as the Provincial grant and its amount are concerned; but in the seven years, out of Rs. 26,530 granted, only Rs. 19,593 were spent, the balance lapsing.

* 1873-74 to 1879-80 both years included.

In this period Local funds to the amount of Rs. 11,674 were granted and Rs. 11,102 expended.

4. I am unable to ascertain under what orders the grant of Rs. 3,790 was withdrawn in 1880-81; certain it is that in the second period of seven years (1880-81 to 1886-87 inclusive) no grant has ever been drawn, with the following single exception; in G.O., No. 1966, Financial department, 12th October 1881, the Government sanctioned the transfer of Rs. 3,790 to the Local Fund from the unallotted balance of the Provincial grant.

The Local Fund allotments for the upkeep of the portion of these roads within the Bellary circle amounted during the second period of seven years to Rs. 12,710 † and the expenditure to no more than Rs. 8,786 (Rs. 1,500 in addition is available for allotment during the current year); Rs. 7,030 out of Rs. 8,786 was spent on the ghât roads beyond Local Fund limits and within Sandúr State.

† Including allotment for 1886-87.

5. Now the Local Fund Board has but a limited interest in these roads. The sanitarium of Rámandrug has not been of late years in favor with the Brigadiers and Commanding officers who have decided whether detachments of troops should be sent thither or not, and it has been almost deserted.

If the Government in the Military department decide to maintain the sanitarium, the grant of money for the repair of the roads leading thereto would seem to be desirable.

6. The most convenient route to Rámandrug is *viâ* Hospet at present. By road from Bellary the distance is (19 to Tornagal, 5 Tornagal to Sandúr frontier, 5 frontier to Sandúr town, 10 Sandúr town to Rámandrug) 39 miles. The alternative routes are :—

Rail, Bellary to Tornagal station, 20 ;
Road, Tornagal station to Rámandrug, 21 ;
Forty-one miles and-a-half.
Rail, Bellary to Hospet, 40½ ;
Road, Hospet to Rámandrug, 13 ;
Fifty-three miles and-a-half.

Five miles of the road from Hospet towards Rámandrug is within the Local Board circle limits.

The road westwards from Rámandrug is not one which has ever served any considerable traffic and should be made over to the Forest department.

7. The Local Board are prepared to maintain the road from Tornagal to the Sandúr frontier and the road from Hospet to the Sandúr frontier, and cannot, I submit, be fairly asked to do more.

From the Sandúr frontier near Yettinahatti to Somalapur the Sandúr State will keep in order the road which crosses there the most populous tract in the State and connects its chief town with Mysore *viâ* Kúdligi and with the railway at Tornagal ; west of Sandúr town this road was constructed at the cost of the Sandúr State.

8. The Hospet road to Rámandrug is the best for invalids and convalescents, and it seems unnecessary to maintain two lines ; if, however, the Hospet ghât is to be kept in good order, I consider that an allowance of Rs. 500 per mile would be required. The Local Fund Engineer has plenty of other work, and the subordinate of the Public Works department who (under the direction of the Executive Engineer here) has charge of Rámandrug barracks would seem the best agent to employ as road overseer.

9. A succession of years of abnormal drought has been experienced and the condition of the roads on the Rámandrug hill is not so bad as might be expected from a consideration of the small allotments of the past few years ; the very light traffic they have to carry must be considered.

10. Whether the Forest department shall be charged with the maintenance of the road from Sandúr to Rámandrug is a question for consideration. It would be a pity to waste the fruits of good work done some years ago when the road was made ; eventually there will be much forest produce to be brought down. Such produce, however, will be more likely to be attracted to Hospet than to a longer route, and if extensive fellings of timber take place, the removal of timber will probably be most cheaply effected by the laying of a light tramway to Hospet along the roadway.

11. The subject is one which requires an illustrative sketch-map to show the position of the roads, railways and leased forests and the run of the boundaries, and I enclose such a map.

12. A grant of Rs. 4,000 from Provincial funds is, in my opinion, needed to secure the due maintenance of the principal line of communication with Rámandrug. The estimate will, if the Imperial department is to control this expenditure, be framed by the officers of that department ; there are reasons against committing the control of this Military road traversing a Native State to the Local Fund Board staff, and the resolution of the District Board, which I enclose, states the grounds for the opinion held by the Board that the legality of their expenditure of the funds under their control within the Sandúr State is doubtful.

13. I could only advocate the continued permission to apply the Local funds to these roads on the ground that the Government are spending Rs. 10,000 per annum on the rent of the Sandúr forests solely in the interests of the district of Bellary and its population. If this argument is allowed to prevail, the amount of expenditure which the District Board may fairly incur in subvention of the outlay on forest on the ground that they thus indirectly contribute to the improvement of their fuel, fodder and water-supply must be discussed ; and the fact must not be overlooked that the Board has spent Rs. 7,030 in this manner during the last seven years.



Enclosure No. 1.—Sketch-map.

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Enclosure No 2.

Proceedings of the District Board, Bellary, dated 16th August 1886.

* * * * *

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*Resolution No.* 16.

Read Local Fund Engineer's letter, No. 158-C., dated 16th July 1886, and other papers on the subject of repairing the Rámandrug ghât roads by the Local Board.

Whereas certain funds whose legal application is limited to the circle limits have been during the past seven years diverted from their legal application and expended upon the maintenance of certain roads within the Native State of Sandúr, this Board desires the President to move the Government to make provision for such expenditure as they desire to be made on these roads from other sources in future.

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Enclosure No. 3.—Statement.

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Resolution—dated 1st September 1886, No. 1945.

Submitted for the orders of Government.

2. The 8 miles of road from Rámandrug to the frontier on the Hospet side and the 12 or 13 miles from Rámandrug to the junction with the Sandúr-Yettinahatti road might, the Board think, be maintained from Provincial Funds, "Forests" paying one-third.

(True Copies and Extract.)

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

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No 1621 C, Financial.

Transferred to the Public Works Department.

(Signed) E. F. WEBSTER.
Chief Secretary

30th September 1886.

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From Major A. C. SMITH, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 21st October 1886, No. 1410.

With reference to your endorsement, No. 3443 C., dated 5th October 1886, I have the honor to report that the portions of roads mentioned in the Revenue Board's Resolution, viz., eight miles of road from Rámandrug to frontier on Hospet side and thirteen miles from Rámandrug towards Sandúr can be maintained by the Public Works Department and a regular estimate will be forwarded if required.

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From Colonel H. M. VIBART, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Rámandrug, 16th April 1887, No. 73.

With reference to your memorandum, No. 3884 C., dated 5th November 1886, I have the honor to submit estimates of Rs. 3,520 and 6,133 for the maintenance of the eight miles of road from Rámandrug to the Sandúr frontier on the Hospet side and

thirteen miles from Rámandrug to the junction with the Sandúr-Yettinahatti road, respectively.

2. As the roads have had but little done to them of late years, provision is made in the estimate for special repairs also.

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No. 70 D.

MEMORANDUM.

With reference to letter from the Superintending Engineer, III Circle, No. 73, dated 16th April 1887, submitting estimates for maintaining the road from Rámandrug to the Sandúr frontier on the Hospet side, and from Rámandrug to the junction with the Sandúr-Yettinahatti road, the undersigned has the honor to request that explanation may be afforded as to the high rates * proposed for annual maintenance.

2. In paragraph 9 of the Collector's letter printed with Proceedings † of the Board of Revenue, No. 1945, dated 1st September 1886, reference is made to the very light traffic the roads have to carry; and paragraph 2 of the same letter shows that, for many years, the total annual grant from Provincial and Local funds for the maintenance of twenty-six miles of road giving access to Rámandrug was Rs. 5,600. The annual cost of maintaining twenty-one miles of road is set down in the Superintending Engineer's present estimates at Rs. 8,620. It is thought that, after the roads have once been put in good order, an annual grant of Rs. 150 or Rs 200 per mile should be ample for their proper maintenance.

3. The estimates are therefore returned for reconsideration and revision.

3rd May 1887.

(Signed) J. O. HASTED, Colonel, R.E.,
Secy. to Govt., P.W.D.

* Rs. 350 and 450 per mile, respectively.

† Re-enclosed for reference; return requested.

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From C. J. PETERS, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Rámandrug, 21st May 1887, No. 301.

With reference to your memorandum, No. 70 D., dated 3rd May 1887, I have the honor to state that the estimates for the ghât roads only provide for actual requirements of the roads at present. The Executive Engineer reports that they will not admit of any reduction this year.

2. After they have been once put in order the annual maintenance ought not to cost more than Rs. 150 or 200 per mile.

3. The traffic on them at present is very small indeed and a small number of troops up here would not make much difference.

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Order—dated 3rd June 1887, No. 1496 W., Public Works.

The Government approve the proposal that the eight miles of road from Rámandrug to the Sandúr frontier on the Hospet side, and thirteen miles from Rámandrug to the junction with the Sandúr-Yettinahatti road, be maintained by the Public Works Department. The requisite orders transferring the charge of the roads to the Public Works Department will be issued in the Financial Department.

2. From the estimates submitted by the Superintending Engineer, it appears that to put the roads into good order an expenditure of Rs. 3,520 will be necessary on the first-named section, and of Rs. 6,133 on the second. The last letter from the Superintending Engineer above recorded shows that the items erroneously termed "annual cost" in his previous communication are in reality part of the special repairs required. No charge for annual maintenance will be required in the first year, and the Superintending Engineer will submit the usual estimates for such in subsequent years.



3. On receipt of the orders in the Financial Department, referred to in paragraph 1, the estimates will be formally sanctioned, and the question of providing funds for their execution will be considered.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Financial Department.
" Revenue "
" Military "

Exd. A. Aubert.
Spare Copies