Number of pipe :- 66

Date of repair :- 5-88

Initial of Foreman :- Ldss

P. W. Department

Memo. 295 W

Dated :- 24.1.1888

295
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

*Read*—the following paper:—

*G.O., dated 12th December 1887, No. 1144, Revenue.*

*Abstract.*—*Review of Canal and Ferry Fund budget for 1888-89.*

Order—dated 24th January 1888, No. 295 W., Public Works.

Communicated to the Superintending Engineers, I and II Circles, and the Examiner of Public Works Accounts.

2. The current year's grant for the purchase of a steamer for the Rajahmundry ferry is Rs. 59,090 * and not Rs. 59,540 as assumed by the Revenue Department. This provision has been withdrawn by the Revenue Department, and a sum of Rs. 59,540 allotted for 1888-89. The requisite alterations will be made in the final issue of the Incorporated Local Funds budget estimate of 1888-89.

* G.O., No. 1130 A, dated 25th April 1887.

3. The current year's grant of Rs. 2,000 for improvement of landing places at Dowlaishweram having been reduced to Rs. 500, the balance, Rs. 1,500, together with the proportionate charges for establishment and tools and plant, or Rs. 1,868 in all, will be replaced at the disposal of the Revenue Department.

4. The provision of Rs. 500 for repairs to the ferry boats on the Kovur-Munjair canal in the preliminary issue of the Incorporated Local Funds budget for 1888-89 has been increased to Rs. 1,000. The excess will be included in the final issue of the budget. The allotments made for the additional works detailed in the margin will also be included in the final issue.

| | Rs. |
|---|---|
| Construction of bridges over irrigation canals and drainage channels ... | 7,000 |
| Construction and repair of ferry boats. | 6,000 |

5. It is observed that the amount (Rs. 4,650) provided for establishment and tools and plant includes percentage charges on the construction and repair of ferry boats; this is unnecessary, as the price of ferry boats constructed at the Public Works Workshops includes all authorised percentages (*vide* memorandum No. 635 D., dated 8th October 1887). A reduction of Rs. 1,710 from the grant will therefore be made.

(True Extract.)

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

To the Superintending Engineer, I Circle.
" " " II "
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. E. Fernandez.
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GENERAL.
ACCOUNT.

Govt. of {1888} Madras.

PUBLIC WORKS.

*Dated January, 24th.*

*Read.*

*Encl.*

**G.O., 24th Jan. 1888, No. 295 W.**

**JANUARY.**

**Canal and Ferry Fund Budget**

Orders on Government review of the — for 1888-89.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

G.O., dated 12th December 1887, No. 1144, Revenue.

ABSTRACT.—Review of Canal and Ferry Fund budget for 1888-89.

ORDER—dated 24th January 1888, No. 295 W., Public Works.

Communicated to the Superintending Engineers, I and II Circles, and the Examiner of Public Works Accounts.

2. The current year's grant for the purchase of a steamer for the Rajahmundry ferry is Rs. 59,090 * and not Rs. 59,540 as assumed by the Revenue Department. This provision has been withdrawn by the Revenue Department, and a sum of Rs. 59,540 allotted for 1888-89. The requisite alterations will be made in the final issue of the Incorporated Local Funds budget estimate of 1888-89.

*G.O., No. 1130 A, dated 25th April 1887.

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| | Rs. |
|---|---|
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(True Extract.)

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

To the Superintending Engineer, I Circle.
" " " II "
" Examiner, Public Works Accounts.
" Revenue Department.

Exd. E. Fernandez.
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GENERAL.
ACCOUNT.

# Gobt. of {1888} Madras.

PUBLIC WORKS.

*Dated January, 24th.*

*Read.* *Encl.*

G.O., 24th Jan. 1888, No. 295 W.

JANUARY.

**Canal and Ferry Fund Budget**

Orders on Government review of the — for 1888-89.



22/3

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), dated 20th October 1887, No. 646 :—

J. H. GARSTIN, ESQ., C.S.I.

*Read*—the following papers :—

| | | | | | |
|---|---|---|---|---|---|
| From the Collector of Arcot, South, | dated 30th August | 1887, No. | 81. |
| " " of Canara, South, | " 30th " | " " | 2839. |
| " " of Cuddapah, | " 22nd September | " " | 5487. |
| " " of Godávari, | " 6th " | " " | 93. |
| " " of Kistna, | " 30th August | " " | 4362. |
| " " of Malabar, | " 30th " | " " | 4494. |
| " " of Tanjore, | " 31st " | " " | 309. |
| " " of Tinnevelly, | " 3rd September | " " | 560. |
| " " of Trichinopoly, | " 30th August | " " | 362-4. |

*Resolution*—dated 20th October 1887, No. 646.

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 1888-89.

2. *Revised estimate for* 1887-88.—The following abstract compares the revised estimate with the sanctioned figures :—

| Districts. | Balance at the beginning of 1887-88. | Revised estimated receipts during the year 1887-88. | Sanctioned estimate of receipts 1887-88. | Total of cols. 2 and 3. | Revised estimated expenditure during the year 1887-88. | Sanctioned estimate of expenditure 1887-88. | Balance at the end of 1887-88. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, South .. | 2,211 | 872 | 800 | 3,083 | .. | .. | 3,083 |
| 2. Canara, South .. | 1,856 | 23,450 | 22,750 | 25,306 | 25,290 | 22,650 | 16 |
| 3. Cuddapah .. .. | 2,177 | 776 | 780 | 2,953 | .. | .. | 2,953 |
| 4. Godávari .. .. | 1,80,030 | 29,026 | 36,500 | 2,09,056 | 24,305 | 92,260 | 1,84,751 |
| 5. Kistna .. .. | 21,408 | 7,000 | 7,000 | 28,408 | 11,841 | 6,550 | 16,567 |
| 6. Malabar .. .. | — 60 | 80,310 | 73,800 | 80,250 | 79,370 | 73,700 | 380 |
| 7. Tanjore .. .. | 276 | 5,770 | 7,050 | 6,046 | 5,570 | 6,550 | 476 |
| 8. Tinnevelly .. .. | 801 | 200 | 300 | 1,001 | 6 | 170 | 995 |
| 9. Trichinopoly .. | 2,280 | 10,506 | 10,000 | 12,786 | 9,202 | 9,000 | 3,584 |
| Total .. | 2,10,979 | 1,57,910 | 1,58,980 | 3,68,389 | 1,56,084 | 2,10,880 | 2,12,805 |

3. *Opening balance.*—The opening balances have been adopted from the Special Fund Report for 1886-87 submitted to Government with Board's Proceedings, dated 5th August 1887, No. 416.

4. *Receipts.*—The probable receipts for the current year are estimated at Rs. 1,57,910, or Rs. 1,070 below the sanctioned estimate. The variations occur in the following districts :—

| | | Rs. | | | Rs. |
|---|---|---|---|---|---|
| Arcot, South | ... | + 72 | Cuddapah | ... | — 4 |
| Canara, South | ... | + 700 | Godávari | ... | — 7,474 |
| Malabar | ... | + 6,510 | Tanjore | ... | — 1,280 |
| Trichinopoly | ... | + 506 | Tinnevelly | ... | — 100 |
| Total | ... | + 7,788 | Total | ... | — 8,858 |

In South Arcot and Trichinopoly the increase is due to the ferries having been sold at a higher amount than was expected. The Canal and Ferry Act was extended to seven new ferries, six in the Coondapoor taluk and one in the Uppinangadi taluk, South Canara district (G.O., dated 11th March 1887, No. 274, Revenue Department). This is expected to augment the income. The Collector of Malabar does not explain the increase in his district. It is, however, presumed to be due to the following cause. When the original estimate was framed, the Collector anticipated a fall in the receipts by reason of the opening of the railway to Calicut and the consequent diversion of traffic from certain ferries in the district; but as the railway has not been opened, the revised estimate is put at a higher figure with reference to the actuals * of 1886-87. The large falling off in Godávari is accounted for by the fact that after the steamer *Godávari* was pronounced unfit for work, the ferry between Rajahmundry and Kovur was worked till June 1887 under the direct management of Government by hired boats and a paid establishment. The income fell off considerably, the Radhari boats taking up all the traffic. The ferry was then leased out (Board's Proceedings, dated 3rd June 1887, Mis. No. 1125). With regard to the decrease in Tanjore, the Collector explains that his present estimate is fixed with reference to the current year's demand and the recoverable arrears at the beginning of the year.

| | | Rs. |
|---|---|---|
| *Actuals of 1886-87 | ... | 81,043 |
| Revised estimate of 1887-88 | ... | 80,310 |
| Sanctioned estimate | ,, ... | 73,800 |

5. *Expenditure.*—The probable expenditure is estimated at Rs. 1,56,084, against the sanctioned estimate of Rs. 2,10,880. The difference amounts to Rs. 54,796, being the result of a gross decrease of Rs. 69,099 in three districts reduced by a gross increase of Rs. 14,303 in four others. The decrease is large in Godávari, amounting to as much as Rs. 67,955. This sum was provided in the sanctioned budget for purchase of a steamer for the Rajahmundry ferry and for its working expenses, but as the purchase is not likely to be made within the year, the provision has been struck out. In Tanjore and Tinnevelly the decrease is small, amounting to only Rs. 980 and Rs. 164, respectively. Of the districts exhibiting an increase, Malabar accounts for Rs. 6,170, Kistna for Rs. 5,291, South Canara for Rs. 2,640 and Trichinopoly for Rs. 202. In the first-named district the increase is due to the increase in the estimated receipts, the bulk of which is transferred to the Local Funds. In Kistna the provision made for the construction and repair of ferry boats in the original budget of 1887-88 not being sufficient, it is now increased according to present requirements by a sum of Rs. 1,600. Of this amount, a portion is required for finishing certain incomplete works of the preceding year. The remaining increase, Rs. 3,691, represents the balance of the amount sanctioned for the construction of the landing stage below the Kistna anicut. The completion of this work in the preceding year (1886-87) was delayed owing to floods. In South Canara the increase is required partly for payment of certain works done in the preceding year, but which have not been fully paid for within the year, partly for the construction of certain sheds not provided for in the original budget, and partly for payment of proportionate cost of the additional establish-



ment sanctioned in G.O., dated 12th July 1887, No. 4065, and 13th August 1887, No. 4727. It also includes an additional provision of Rs. 740 made under contribution to Local Funds.

6. The details of the charges in Godávari are given below :—

| Names of works. | Sanctioned estimate. | Revised estimate as given by the Collector. |
|---|---|---|
| | Rs. | Rs. |
| 1. Purchase of a steamer for the Rajahmundry ferry ... ... ... ... ... ... | 59,540 | ... |
| 2. Establishment and working charges of the steam-ferry ... ... ... ... ... ... | 9,000 | 300 |
| 3. Repairs to the Kovur-Munjair junction canal ... | 9,500 | 9,500 |
| 4. Construction and repair of ferry boats ... ... | 6,000 | 6,000 |
| 5. Construction of bridges across irrigation canals and drainage channels ... ... ... | 3,000 | 3,000 |
| 6. Improvement of landing-places ... ... ... | 2,000 | 500 |
| 7. Construction and repair of rest-houses ... ... | ... | 250 |
| 8. Cost of supervision at 23 per cent. on works ... | 3,120 | 4,370 |
| 9. Tools and plant, at 1½ per cent. on the outlay ... | | 285 |
| 10. Miscellaneous including establishment both at the Presidency and in the Collector's office ... | 100 | 100 |
| Total ... | 92,260 | *24,305 |

* In the Collector's statement the total is given as Rs. 25,305, which is apparently a mistake for Rs. 24,305.

*Items* 1 *and* 2 have been referred to above.

*Item* 6.—The Collector says that he has reduced the allotment as he cannot fully utilize the grant within the year.

*Item* 7.—After the despatch of the original budget, it would appear a requisition for a grant of Rs. 250 for construction of certain rest-houses and repairs to others was received from the Head Assistant Collector and this sum has now been provided.

*Items* 8 *and* 9.—The amounts now provided are, respectively, 23 and 1½ per cent. upon the estimated outlay on works to be supervised by the Public Works Department. The remaining items do not call for remark.

7. *Budget estimate for* 1888-89.—The receipts and charges for 1888-89 as estimated by Collectors amount to Rs. 1,50,637 and Rs. 2,08,271, respectively, as detailed below :—

| Districts. | Receipts for 1888-89. | Charges for 1888-89. |
|---|---|---|
| | Rs. | Rs. |
| 1. Arcot, South ... ... ... ... ... ... | 850 | ... |
| 2. Canara, South ... ... ... ... ... | 23,500 | 23,500 |
| 3. Cuddapah ... ... ... ... ... ... | 800 | ... |
| 4. Godávari ... ... ... ... ... ... | 32,777 | 92,295 |
| 5. Kistna ... ... ... ... ... ... | 7,000 | 7,500 |
| 6. Malabar ... ... ... ... ... ... | 68,890 | 69,170 |
| 7. Tanjore ... ... ... ... ... ... | 5,620 | 5,600 |
| 8. Tinnevelly ... ... ... ... ... ... | 200 | 6 |
| 9. Trichinopoly ... ... ... ... ... ... | 11,000 | 10,200 |
| Total ... | 1,50,637 | 2,08,271 |

8. *Receipts.*—Compared with the revised estimate for the current year, the budget estimate exhibits a decrease of about Rs. 7,300 under receipts and an increase of Rs. 52,000 under charges. Under receipts the Collector of Godávari has provided for an increase of Rs. 3,700 with reference to the average of three years. In Malabar there is a decrease of about Rs. 11,400, which is ascribed to the anticipated diminution in the traffic across the Beypore and Mammalli ferries after the railway to Calicut has been opened, which event is expected to occur in the year.

9. *Expenditure.*—The increase of Rs. 52,000 under charges is the result of variations in the following districts:—

| | Rs. | |
|---|---|---|
| Godávari ... ... ... ... ... ... ... ... | + | 68,000 |
| Trichinopoly ... ... ... ... ... ... ... ... | + | 1,000 |
| Malabar ... ... ... ... ... ... ... ... | — | 10,700 |
| Kistna ... ... ... ... ... ... ... ... | — | 4,300 |
| South Canara ... ... ... ... ... ... ... ... | — | 1,800 |

In Godávari provision is made for purchase and working charges of the new steamer for the Rajahmundry ferry, which is expected to arrive in the year at a cost of Rs. 68,540. For the repairs to the Kovur-Munjair junction canal and the ferry boats thereon, the Collector provides Rs. 6,000 as requested by the Superintending Engineer against Rs. 9,500 in the revised estimate. The provision for the construction of bridges across the irrigation canals and drains has been raised from Rs. 3,000 in the revised, to Rs. 7,000 in the budget, estimate. No explanation is afforded for the increase. The revised estimate will, however, be retained as it is probable that additional funds may be required for construction of more bridges during the year as soon as the information called for by the Collector regarding the places leading to ferries and requiring bridges is received (*vide* Board's Proceedings, dated 5th May 1887, No. 371, Routine Series). In Trichinopoly and Malabar as also in Tanjore the charges mainly consist of contributions to Local Funds. The contributions provided in those districts are fixed with reference to the receipts during the year, and hence the above variation. In South Canara the decrease which is due to decreased contributions to the Local Funds would have been larger, but for an increased provision made for purchase of boats from the Forest Department sanctioned in Board's Proceedings, dated 20th May 1887, No. 122. In Kistna the decrease is mainly due to the absence of provision for the landing stage below the Kistna anicut.

10. The contribution proposed to be made to the Local Funds during 1888-89 is compared below with the grant for the current year:—

| Districts. | Revised estimate for 1887-88. | Budget estimate for 1888-89. |
|---|---|---|
| | Rs. | Rs. |
| Canara, South ... ... ... ... ... | 16,940 | 12,580 |
| Kistna ... ... ... ... ... ... | 1,000 | 1,000 |
| Malabar ... ... ... ... ... ... | 76,100 | 65,400 |
| Tanjore ... ... ... ... ... ... | 5,500 | 5,500 |
| Trichinopoly ... ... ... ... ... ... | 9,002 | 10,000 |
| Total ... | 1,08,542 | 94,480 |

11. The following abstract shows the receipts, charges and closing balances for 1888-89 as adopted by the Board:—

| Districts. | Balance at the beginning of 1888-89. | Receipts during the year. | Total. | Expenditure during the year. | Balance at the end of 1888-89. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, South .. .. | 3,080 | 850 | 3,930 | .. | 3,930 |
| 2. Canara, South .. | 20 | 23,500 | 23,520 | 23,500 | 20 |
| 3. Cuddapah .. .. | 2,950 | 800 | 3,750 | .. | 3,750 |
| 4. Godávari .. .. | 1,84,750 | 32,780 | 2,17,530 | 92,290 | 1,25,240 |
| 5. Kistna .. .. | 1,670 | 7,000 | 8,670 | 7,500 | 1,170 |
| 6. Malabar .. .. | 380 | 68,890 | 69,270 | 69,170 | 100 |
| 7. Tanjore .. .. | 480 | 5,620 | 6,100 | 5,600 | 500 |
| 8. Tinnevelly .. .. | 990 | 200 | 1,190 | 10 | 1,180 |
| 9. Trichinopoly .. .. | 3,580 | 11,000 | 14,580 | 10,200 | 4,380 |
| Total .. | 1,97,900 | 1,50,640 | 3,48,540 | 2,08,270 | 1,40,270 |

The balance is large in Godávari and exceeds Rs. 1,25,000. To reduce this heavy balance the Collector has requested the Superintending Engineer to state what amounts he would spend in the current and the ensuing years in connection with the



iron girder bridge on the Mattalapalam salt creek, but no reply has been received. From G.O., dated 1st June 1887, No. 3132, it appears that the bridge will absorb Rs. 30,850.

(A true Extract.)

(Signed) M. HAMMICK,
Acting Secretary.

To the Secretary to Government, Revenue Department.
" Collector of South Arcot.
" " of South Canara.
" " of Cuddapah.
" " of Godávari.
" " of Kistna.
" " of Malabar.
" " of Tanjore.
" " of Tinnevelly.
" " of Trichinopoly.
" Accountant-General.
" Examiner, Public Works Accounts.

---

READ—the following memorandum from Colonel J. O. HASTED, R.E., Secretary to Government, Public Works Department, to the Secretary to Government, Revenue Department, dated Chepak, 4th November 1887, No. 3870 C:—

The undersigned has the honor to forward, herewith, for approval and favor of very early return, a list of works proposed by Superintending Engineers for execution by the Public Works Department during 1888-89 from the Canal and Ferry Funds.

---

ENCLOSURE.

*Incorporated Local Funds.*

LIST of works proposed to be carried out by the Public Works Department during 1888-89.

| Fund. | Executive Division. | Locality. | Item No. | Name of Work. | Amount of Estimate | Outlay. Actual to end of 1886-87. | Outlay. Probable during 1887-88. | Grant proposed, 1888-89. Amount. | Grant proposed, 1888-89. Total. | Item No. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | COMMUNICATIONS. | | | | | | |
| | | | | *Repairs.* | | | | | | |
| Canal and Ferry Fund. | Godávari, Eastern. | .. | 1 | Repairs to Kovur-Munjair junction canal. | .. | .. | .. | 5,000 | .. | 1 |
| Do .. | Kistna, Eastern. | Bezváda. | 2 | Maintenance of ferry road. | .. | .. | .. | 40 | .. | 2 |
| | | | | | | | | | 5,040 | |
| | | | | *Tools and Plant.* | | | | | | |
| Do .. | Godávari, Eastern. | .. | 3 | Construction and repairs of ferry boats on the Kovur-Munjair junction canal. | .. | .. | .. | 500 | .. | 3 |
| Do .. | Do .. | .. | 4 | Purchase of a steamer for the Rajahmundry ferry. | .. | .. | .. | 50,000 | 50,500 | 4 |
| | | | | | | | | | 55,540 | |

---

ORDER—dated 12th December 1887, No. 1144, 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 1888-89.

2. *Revised Estimate.*—The receipts vary but slightly from the sanctioned estimate, but the charges exhibit a decrease of Rs. 54,796. This is chiefly owing to the fact that the provision in the sanctioned budget for the purchase of a steamer for the Rajahmundry ferry has been struck out because the purchase is not likely to be made within the current year. The revised estimate, as submitted by the Board of Revenue, is approved and passed.

3. *Budget Estimate.*—The receipts are estimated at about Rs. 7,300 less, and the charges at about Rs. 52,000 more, than the revised estimate for the current year; and the variations are explained in paragraphs 8 and 9 of the Board's Proceedings. In the latter paragraph the Board state that, as regards the provision for the construction of bridges across the irrigation canals and drains in the Godávari district, they have retained the figure of the revised estimate (Rs. 3,000); but they would appear to have actually adopted, and rightly, that entered by the Collector in his budget estimate (Rs. 7,000). This is evidenced by the statement which forms an appendix to the Board's Proceedings. In the table given in paragraph 11, the opening balance for the Kistna district is wrongly entered as Rs. 1,670. The correct figure is Rs. 16,570. Provision will also be made for the following work, as required by the Public Works Department:—

| | Rs. |
|---|---|
| 1. Maintenance of a ferry road at Bezváda ... ... ... ... | 40 |
| 2. Cost of supervision and tools and plant ... ... ... ... | 10 |

The estimate, as thus modified, is shown in the subjoined abstract:—

| Districts. | Balance at the beginning of 1888-89. | Receipts during the year. | Total. | Expenditure during the year. | Balance at the end of 1888-89. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| 1. Arcot, South .. .. .. .. .. .. | 3,080 | 850 | 3,930 | .. | 3,930 |
| 2. Canara, South .. .. .. .. .. .. | 20 | 28,500 | 28,520 | 23,500 | 20 |
| 3. Cuddapah .. .. .. .. .. .. | 2,950 | 800 | 3,750 | .. | 3,750 |
| 4. Godávari .. .. .. .. .. .. | 1,84,750 | 32,780 | 2,17,530 | 92,290 | 1,25,240 |
| 5. Kistna .. .. .. .. .. .. | 16,570 | 7,000 | 23,570 | 7,550 | 16,020 |
| 6. Malabar .. .. .. .. .. .. | 380 | 68,890 | 69,270 | 69,170 | 100 |
| 7. Tanjore .. .. .. .. .. .. | 480 | 5,620 | 6,100 | 5,600 | 500 |
| 8. Tinnevelly .. .. .. .. .. .. | 990 | 200 | 1,190 | 10 | 1,180 |
| 9. Trichinopoly .. .. .. .. .. .. | 3,880 | 11,000 | 14,880 | 10,200 | 4,680 |
| Total .. | 2,12,800 | 1,50,640 | 3,63,440 | 2,08,320 | 1,55,120 |

4. The balances with which the year is expected to close in the districts of Godávari and Kistna are large. It is not stated what it is proposed to do with the balance in the latter district. In the former, the iron girder bridge to be constructed over the Mattalapalam salt creek will absorb about Rs. 31,000. Proposals for utilising the remaining sum in this district and the whole balance in Kistna should be called for.

5. A statement of particulars of expenditure for 1888-89 is appended.

(True Extract.)

H. A. Cleaver

Under Secretary to Government.

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



## APPENDIX.

ESTIMATE of expenditure out of the Canal and Ferry Fund for 1888-89.

| Districts. | Items. | Allotment for 1888-89 | | |
|---|---|---|---|---|
| | | By Public Works Department. | By Revenue Department. | Total. |
| | | Rs. | Rs. | Rs. |
| Canara, South .. | Construction and repair of boats and platforms .. .. | .. | 8,100 | |
| | Construction and repair of ferry and jangar sheds .. .. | .. | 2,300 | |
| | Establishment .. .. .. .. .. .. .. | .. | 420 | |
| | Contribution to Local Funds .. .. .. .. .. | .. | 12,580 | |
| | Miscellaneous .. .. .. .. .. .. .. | .. | 100 | |
| | | | | 28,500 |
| Godávari .. .. | Establishment and working charges for the ferry steamer at Rajahmundry .. .. .. .. .. .. .. | .. | 9,000 | |
| | Construction of bridges over irrigation canals and drainage channels .. .. .. .. .. .. .. | 7,000 | .. | |
| | Construction and repair of ferry boats .. .. .. .. | 6,000 | .. | |
| | Repairs to the Kovur-Munjair junction canal .. .. .. | 5,000 | .. | |
| | Repairs to ferry boats on Kovur-Munjair junction canal .. | 1,000 | .. | |
| | Purchase of a steamer for the Rajahmundry ferry .. .. | 59,540 | .. | |
| | Cost of supervision and tools and plant .. .. .. .. | 4,650 | .. | |
| | Establishment and miscellaneous charges .. .. .. | .. | 100 | |
| | | | | 92,290 |
| Kistna .. .. | Construction and repair of ferry boats .. .. .. .. | .. | 6,000 | |
| | Contribution to Local Funds .. .. .. .. .. | .. | 1,000 | |
| | Establishment and miscellaneous charges .. .. .. | .. | 500 | |
| | Maintenance of a ferry road at Bezváda .. .. .. | 40 | .. | |
| | Cost of supervision and tools and plant .. .. .. | 10 | .. | |
| | | | | 7,550 |
| Malabar .. .. | Establishment and miscellaneous charges .. .. .. | .. | 2,400 | |
| | Contribution to Cochin municipality .. .. .. .. | .. | 1,370 | |
| | Contribution to Local Funds .. .. .. .. .. | .. | 65,400 | |
| | | | | 69,170 |
| Tanjore .. .. | Contribution to Local Funds .. .. .. .. .. | .. | 5,500 | |
| | Establishment and miscellaneous charges .. .. .. | .. | 100 | |
| | | | | 5,600 |
| Tinnevelly .. | Miscellaneous establishment .. .. .. .. .. | .. | 10 | |
| | | | | 10 |
| Trichinopoly .. .. | Contribution to Local Funds .. .. .. .. .. | .. | 10,000 | |
| | Establishment and miscellaneous charges .. .. .. | .. | 200 | |
| | | | | 10,200 |
| | Total .. | .. | .. | 2,08,320 |

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P.W.C. No. 68 G

# Govt. of {1887} Madras.

REVENUE.

No 3473 W d/20.12.87
" 3123 W d/18.11.87
" 2509 W d/10.10.87
" 514 W d/22.2.87
" 517 W d/8.1.86
" 505 W d/19.2.87
" 563 W d/4.2.87
" 1130.1 W d/25.4.87
" 1169 W d/29.4.87
" 1803 W d/6.7.87
" 2423 W d/20.7.87
" 2192 W d/7.8.87
" 635 W d/8.10.87
" 881 W d/22.3.87
" 1169 W d/29.4.87
" 587 W d/25.2.87
" 1130 W d/25.4.87

Issued

Recd. 13/1/88 Encl.

16-1-88

G.O., 12th December 1887, No. 1144.

DECEMBER.

Canal and Ferry Fund Budget.

Review of — for 1888-89.



225/1

GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following Proceedings of the Government of India, Public Works Department (Account—General), dated Fort William, 17th March 1887, No. 69 A.—G.:—

### REVISED ESTIMATE FOR 1886-87 AND BUDGET ESTIMATE FOR 1887-88.

CIVIL WORKS.

*Provincial and Incorporated Local Funds.*

Read the following:—

Letter No. 3373 W., dated 22nd December 1886, from the Secy. to the Govt. of Madras.
" " 51 W., " 8th January 1887, from do. do.
Telegram, dated 19th February 1887, from do. do.
Public Works Department telegram No. 62 A.—G., dated 22nd February 1887, to Secretary to Government of Madras.
Telegram, dated 26th February 1887, from Secretary to Government of Madras.

RESOLUTION.—The estimates of Revenue and Expenditure accepted by the Government of India are shown in the accompanying tables. The final issues of the Provincial and Incorporated Local Public Works Budget Estimates should be prepared for the amounts therein entered, and despatched* so as to reach the Government of India not later than the 1st May 1887.

* 10 copies to Simla office.
25 Copies to Calcutta office.

2. The grants proposed for expenditure on Provincial and Local Public Works in Bengal are admitted provisionally subject to such orders as may be passed hereafter by the Government of India after further inquiry which is now being made.

3. No provision has been made in the preliminary issue of the Burma Provincial Budget Estimate for the special Irrigation Establishment borrowed from Madras. This point should receive attention when the final issue of the estimate is under preparation.

4. The percentage which the charge for establishment bears to the outlay on Provincial works and repairs is excessive in the following Provinces:—

| | |
|---|---|
| Madras ... ... ... ... ... ... ... ... ... | 64·54 |
| Bengal ... ... ... ... ... ... ... ... ... | 45·75 |
| Burma ... ... ... ... ... ... ... ... ... | 56·39 |

In the Punjab it is noticed that the temporary establishment costs Rs. 60,000, while the cost of the Provincial Establishment is 29·13 per cent. upon the works and repairs outlay.

5. The attention of the Bengal Government is invited to the following observations on the detailed estimate for Establishment:—

i.—It is noticed that the whole of the Secretariat Establishment employed on Railways and Irrigation Works is detailed in the Civil Works Budget Estimate. The Government of India is not aware whether there are any special reasons for exhibiting the details of the Provincial Establishment in this manner, but a report should be submitted as to whether the establishment could not be apportioned off and included in the respective Budget Estimates. It would appear that no deduction has been made for the share chargeable to Railways.

ii.—The provision for Engineer Establishment includes an extra allowance of Rs. 100 per mensem for one Executive Engineer, who is concluded to be the Superintendent of Works, Calcutta. This allowance was sanctioned in 1882 on a representation made by the Bengal Government that large expenditure was being incurred on new public buildings at Calcutta. There is nothing in the Budget Estimate to indicate such abnormal expenditure in the ensuing year, and the Government of India should be informed whether this allowance cannot now be discontinued.

iii.—It is not clear why Local Funds are charged nothing for the separate establishment, costing Rs. 1,19,340, shown under the head "Inspectors of Local Works," and the Government of India will be glad to have an explanation on this point.

6. The provision made in the Central Provinces' estimate for Engineer and Upper Subordinate Establishments amounts to Rs. 2,04,867, but the Establishment actually employed only costs Rs. 1,76,087, which shows an over estimate of Rs. 28,780. A report should be submitted as to whether the provision for Establishment cannot be reduced, and whether a further reduction might not be effected by dispensing with a temporary Assistant Engineer on Rs. 250 per mensem.

---

ORDER.—Ordered, that the foregoing be communicated to the Local Governments and Administrations noted in the margin, for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, Assam, and Coorg.
The Agents to the Governor-General for Central India and Rajputana.

Ordered also, that copies be forwarded to the Finance Department and Accountant-General, Public Works Department, for information.

A. J. FILGATE, Colonel, R.E.,
Deputy Secretary to the Govt. of India.



ENCLOSURE.

XXXII—REVENUE.

CIVIL WORKS.

| | Provincial Services. | | | | | | | | | | | | Incorporated Local Funds. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Accounts, 1885-86. | | | Budget Estimate, 1886-87. | | | Revised Estimate, 1886-87. | | | Budget Estimate, 1887-88. | | | Accounts, 1885-86. | | | Budget Estimate, 1886-87. | | | Revised Estimate, 1886-87. | | | Budget Estimate, 1887-88. | | |
| | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers | Total | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers. | Total. | Public Works. | Public Works in charge of Civil Officers. | Total. |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Madras .. .. | 97,289 | 29,893 | 1,27,882 | 80,000 | 30,000 | 1,10,000 | 1,37,000 | 5,000 | 1,42,000 | 93,000 | 5,000 | 98,000 | 3,562 | 7,26,484 | 7,30,046 | 6,000 | 6,85,000 | 6,91,000 | 5,000 | 7,35,000 | 7,40,000 | 6,000 | 7,35,000 | 7,41,000 |

45.—EXPENDITURE.

CIVIL WORKS.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Madras .. .. | 18,64,529 | 2,46,507 | 21,11,036 | 21,00,000 | 3,55,000 | 24,55,000 | 22,84,000 | 2,34,000 | 25,18,000 | 17,67,000 | 86,000 | 17,93,000 | 38,016 | 37,29,627 | 37,67,643 | 1,30,000 | 40,50,000 | 41,80,000 | 1,10,000 | 36,76,000 | 37,86,000 | 2,68,000 | 38,42,000 | 41,10,000 |

ORDER—dated 25th April 1887, No. 1130 W., Public Works.

The revised estimate of charges for 1886-87 under Incorporated Local Funds as shown in the preliminary issue has been reduced to Rs. 1,10,000 with reference to the modifications of grants subsequently sanctioned in the proceedings of Government noted in the margin, and to make the total agree with the amount adopted by the Government of India in the statement which accompanied their resolution above recorded.

G.O., No. 514 W., dated 22nd February 1887.
" " 567 W., " 25th " "

2. The budget estimate of charges for 1887-88 under Incorporated Local Funds shown in the preliminary issue has been increased to Rs. 2,68,000 with reference to the modifications of grants referred to in G.Os., Nos. 567 W. and 576 W., dated 25th February 1887.

3. The total of the revised estimate for 1886-87 under Excluded Local Funds shown in the preliminary issue has been increased to Rs. 1,70,881 with reference to the additional allotments subsequently sanctioned by the Financial Department.

4. The Local and Municipal and the Revenue Department will be separately requested to allot the amount required to meet the increased rate of contribution to Provincial on account of tools and plant sanctioned by the Government of India—*vide* G.O., No. 881 W., dated 23rd March 1887.

5. With these remarks the final issue of the Incorporated and Excluded Local Funds budget estimates for 1887-88 will be printed and circulated for the information and the guidance of the officers of the Department and 35 copies, as noted in the margin, will be forwarded to the Government of India.

| | |
|---|---|
| To Simla ... ... ... ... ... | 10 |
| " Calcutta ... ... ... ... | 25 |
| | — |
| | 35 |
| | — |

(Here enter No. 1131 W., dated 25th April 1887.)

(True Extract.)

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

To Superintending Engineers.
" the Consulting Architect to Government.
" the Examiner, Public Works Accounts.
" the Accountant-General.
" the Financial Department.
" the Local and Municipal Department.
" the Marine Department.
" the Revenue "

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GENERAL.
ACCOUNT.

# Govt. of {1887} Madras.

## PUBLIC WORKS.

*Dated April, 25th.*

*Read.* *Encl.*

**G.O., 25th April 1887, No. 1130 W.**

**APRIL.**

**Budget Estimates**

*Incorporated and Excluded Local Funds for* 1887-88.—Orders circulating the final issue of the —.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 28th October 1887, No. 1843 G.D. :—

I have the honor to request that Rs. 1,000 of the grant of Rs. 1,500 given for construction and repair of ferry boats on the Kovur-Muttjair Junction canal may be transferred to "Maintenance and Repairs" of the completed portion of the same canal in addition to Rs. 4,000 given in the Incorporated Local Fund budget of the current year. It is considered that Rs. 500 are sufficient for construction and repair of ferry boats.

2. I take this opportunity of bringing to your notice that in the Incorporated Local Fund budget for the current year allotments for the following works have been made for utilisation by this department:—

| | RS. |
|---|---|
| Constructing bridges over irrigation canals and drainage channels ... | 3,000 |
| For landing place at Dowlaishweram ... ... ... ... ... | 2,000 |
| Construction and repair of ferry boats ... ... ... ... ... | 4,000 |

As I know nothing about these works I supposed that these grants were made at the request of the Collector, Godávari district, and I wrote to him about them and received his reply letter, No. 115 of 4th July 1887, copy of which, together with copy of my letter thereon, No. 1031 G.D., of 20th July 1887, is herewith enclosed; to the last letter I have not as yet received a reply. I therefore request that you will be so good as to resume the grants in question or place them at the disposal of the Collector.

—

ENCLOSURES.

From W. A. HAPPELL, Esq., Collector of the Godávari District, to the Superintending Engineer, I Circle, dated Cocanada, 4th July 1887, No. 115.

In reference to your letter of the 10th ultimo, No. 449 G.D., to the address of the President, District Board, I have the honor to inform you that I have called upon the divisional officers to submit proposals for the first two works.

2. The second item of Rs. 2,000 was erroneously stated to be for the landing place at Dowlaishweram, while in fact it appertains to the landing places at the ferries elsewhere in the district.

3. The third item of Rs. 4,000 provided for the construction and repair of ferry boats has been revised by me in the revised estimate lately submitted to the Board of Revenue.

4. According to the estimates received from the divisional officers Rs. 1,18,000 have been provided in the revised estimate, since most of the ferries in the General Duty Deputy Collector's division, to which the Canal and Ferries Act has been extended, are not supplied with any boats.

—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Collector of the Godávari District, dated Dowlaishweram, 20th July 1887, No. 1031 G.D.

I have the honor to state that I understand from your letter, No. 115, dated the 4th July 1887, that the utilisation of the grants specified in my letter, No. 449 G.D., dated the 10th May 1887, depends entirely on the submission of proposals and estimates to be sanctioned

hereafter in your department. I therefore consider that it would be better to have the grants placed at the disposal of your department, and request that you will be so good as to take steps to have this effected; any portion of the grant which may be required hereafter for any sanctioned work intended to be carried out by this department can be placed at my disposal.

---

ORDER—dated 18th November 1887, No. 3122 W., Public Works.

The following transfers of funds are sanctioned :—

Incorporated Local Canal and Ferry Funds.

| *From* | Rs. | *To* | Rs. |
|---|---|---|---|
| Tools and Plant (Special). | | Maintenance and repairs of the completed portion of the Kovur-Munjair | |
| Construction and repair of ferry boats on the Kovur-Munjair Junction canal | 1,000 | Junction canal ... ... ... | 803 |
| | | Establishment ... ... ... ... | 185 |
| | | Tools and Plant ... ... ... | 12 |
| Total ... | 1,000 | Total ... | 1,000 |

2. Paragraph 2 of the Superintending Engineer's letter above recorded will be referred to the Revenue Department for favor of opinion with reference to G.O. in that department, No. 22, dated 11th January 1887, and the question of resuming the grants referred to by the Superintending Engineer will be considered on receipt of a reply from that department.

(True Extract.)

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

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

Exd. J. Moses.
Spare Copies

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GENERAL.
ACCOUNT.

# Govt. of {1887} Madras.

PUBLIC WORKS.

*Dated November, 18th.*

*Read.* *Encl.*

**G.O., 18th Nov. 1887, No. 3122 W.**

**NOVEMBER.**

## Funds

Certain transfers of —, sanctioned, and the proposal of the Superintending Engineer, I Circle, to surrender the grants for certain works, referred to the Revenue Department.





GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General Account.

READ—the following papers :—

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| From the Superintending Engineer, | I | Circle, | dated | 10th | October | 1887, | No. 251 G L. |
| „ „ „ | II | „ | „ | 14th | „ | „ | (two statements). |
| „ „ „ | III | „ | „ | 1st | „ | „ | |
| „ „ „ | IV | „ | „ | 2nd | „ | „ | No. 395 E.W. |
| „ „ „ | V | „ | „ | 24th | „ | „ | 2991. |
| „ „ „ | V | „ | „ | 13th | December | „ | 3873. |
| „ „ „ | V | „ | „ | 13th | „ | „ | 3874. |
| „ „ „ | VI | „ | „ | 20th | September | „ | 1214 T.J. |
| „ Consulting Architect to Government | | „ | „ | 30th | „ | „ | 867. |

ORDER—dated 20th December 1887, No. 3472 W., Public Works.

Ordered that the preliminary issues of the Incorporated and Excluded Local Fund budget estimates for works to be carried out by the Public Works Department during 1888-89 be printed and circulated to the officers concerned, for information and guidance, and four copies forwarded to the Government of India.

2. Lists of works, as proposed by the Superintending Engineers concerned, under Canal and Ferry Funds and under Act V of 1884, have been forwarded to the Revenue and Local and Municipal Departments, respectively; but as the approval of the Government in those departments has not yet been received, and as the budget estimates to be submitted to the Government of India should reach them before the 15th proximo, the works, as proposed by the Superintending Engineers, have been adopted in the budget, subject to modification, if necessary, in the final issue.

3. The budget estimate under Excluded Local Funds has been approved in the Marine Department, and provision of funds has been made in the proceedings of Government (Financial) noted in the margin.

No. 1137, dated 22nd October 1887.
„ 1369 „ 2nd December „

4. The differences between the budget and revised estimates for 1887-88 under Incorporated and Excluded Local Funds are due to funds having been provided

during the year for incomplete works of 1886-87, and for new works subsequently found necessary.

(Here enter No. 3473 W., dated 20th December 1887.)

(True Extract.)

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

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Accountant-General.
" Financial Department.
" Revenue Department.
" Local and Municipal Department.
" Marine Department.

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Endorsement—dated 20th December 1887, No. 3473 W., Public Works.

Forwarded.

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

Exd. P. L. Pereira.
Spare Copies

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GENERAL.
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

*Dated December, 20th.*

*Read.* *Encl.*

G.O., 20th Dec. 1887, No. 3473 W.

**DECEMBER.**

**Incorporated and Excluded Local Fund Budget Estimates for 1888-89**

Forwarding orders circulating the preliminary issues of the —.

FINAL ISSUE.

295/12

**INCORPORATED LOCAL FUNDS.**
**PUBLIC WORKS BUDGET ESTIMATE.**

**MADRAS.**

PUBLIC WORKS DEPARTMENT.

# INCORPORATED LOCAL FUNDS BUDGET ESTIMATE

OF THE

## PUBLIC WORKS DEPARTMENT

OF THE

## GOVERNMENT OF MADRAS,

FOR THE YEAR

## 1887-88.

CHEPÂK,
25th April 1887.

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

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## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF INCORPORATED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1887-88.

*Budget Estimate of the Revenue that will be realized by, and on account of Incorporated Local Funds of, the Public Works Department for the year from 1st April 1887 to 31st March 1888.*

| — | BUDGET ESTIMATE, 1887-88. | BUDGET ESTIMATE, 1886-87. | ACTUALS, 1885-86. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Realized in Public Works Department ... ... ... | 6,000 | 6,000 | 3,862 |
| Total ... | 6,000 | 6,000 | 3,862 |

## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM INCORPORATED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FOR THE YEAR 1887-88.

*Abstract of the Estimated Charges from Incorporated Local Funds on Public Works in the Madras Presidency from 1st April 1887 to March 1888.*

| | Budget Estimate, 1887-88. | Budget Estimate, 1886-87. | Actuals, 1885-86. |
|---|---|---|---|
| ORIGINAL WORKS. | Rs. | Rs. | Rs. |
| Civil Buildings ... ... ... ... ... ... | ... | ... | ... |
| Communications ... ... ... ... ... ... | 1,30,760 | 20,460 | — 3,516 |
| Miscellaneous Public Improvements ... ... ... | ... | ... | 2,474 |
| Total ... | 1,30,760 | 20,460 | — 1,042 |
| REPAIRS. | | | |
| Civil Buildings ... ... ... ... ... ... | ... | ... | ... |
| Communications ... ... ... ... ... ... | 23,768 | 20,850 | 20,039 |
| Miscellaneous Public Improvements ... ... ... | ... | ... | 499 |
| Total ... | 23,768 | 20,850 | 20,538 |
| TOTAL, WORKS AND REPAIRS. | | | |
| Civil Buildings ... ... ... ... ... ... | ... | ... | ... |
| Communications ... ... ... ... ... ... | 1,54,528 | 41,310 | 16,523 |
| Miscellaneous Public Improvements ... ... ... | ... | ... | 2,973 |
| Total ... | 1,54,528 | 41,310 | 19,496 |
| Establishment ... ... ... ... ... ... | 47,487 | 27,450 | 18,673 |
| Tools and Plant ... ... ... ... ... ... | 65,985 | 61,240 | — 154 |
| Grand Total ... | 2,68,000 | 1,30,000 | 38,015 |





## GOVERNMENT OF MADRAS.

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### ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

| | Funds to which Grants for 1887-88 are chargeable. | | | | | Revised Estimate, 1886-87. |
|---|---|---|---|---|---|---|
| | Local Funds under Act V of 1884. | Police Lodging Fund. | Canal and Ferry Fund. | Jungle Conservancy Fund. | Total, 1887-88. | |
| ORIGINAL WORKS. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Civil Buildings ... ... ... | ... | ... | ... | ... | ... | ... |
| Communications ... ... ... | 1,21,760 | ... | 9,000 | ... | 1,30,760 | 52,306 |
| Miscellaneous Public Improvements ... | ... | ... | ... | ... | ... | 470 |
| Total ... | 1,21,760 | ... | 9,000 | ... | 1,30,760 | 52,776 |
| REPAIRS. | | | | | | |
| Civil Buildings ... ... ... | ... | ... | ... | ... | ... | ... |
| Communications ... ... ... | 19,728 | ... | 4,040 | ... | 23,768 | 22,201 |
| Miscellaneous Public Improvements ... | ... | ... | ... | ... | ... | 500 |
| Total ... | 19,728 | ... | 4,040 | ... | 23,768 | 22,701 |
| Total, Works and Repairs ... | 1,41,488 | ... | 13,040 | ... | 1,54,528 | 75,477 |
| Establishment ... ... ... ... | 44,487 | ... | 3,000 | ... | 47,487 | 33,846 |
| Tools and Plant ... ... ... | 1,265 | ... | 64,720 | ... | 65,985 | 677 |
| Grand Total ... | 1,87,240 | ... | 80,760 | ... | 2,68,000 | 1,10,000 |

GOVERNMENT

LIST OF ORIGINAL WORKS PROPOSED TO BE CARRIED OUT

| Funds. | Executive Division. | Locality. | Item No. | Name of Work. | Amount of Estimate. |
|---|---|---|---|---|---|
| | | | | | Rs. |
| | | | | Communications. | |
| | | | | *Original Works.* | |
| Canal and Ferry Fund. | Godávari, Eastern. | ..... | 1 | Kovur-Manjer junction canal ... ... | 1,45,525 |
| | Do. ... | Dowlaishweram | 2 | Landing place at Dowlaishweram ... | ... |
| | Do. ... | ..... | 3 | Constructing bridges over Irrigation canals and drainage channels. | ... |
| Act V of 1884. | Madura ... | Madura ... | 4 | Construction of a bridge over the Vaigai river. | 2,46,600 |
| | Tanjore ... | Shiyáli ... | 5 | Forming a new road around Elathur in lieu of eroded portion of road No. 70. | 1,760 |
| | | | | Total ... | ... |





OF MADRAS.

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BY THE PUBLIC WORKS DEPARTMENT DURING 1887-88.

| Outlay. | | Grant, 1887-88. | | Item No. | Remarks and References. |
|---|---|---|---|---|---|
| Actual to end of 1885-86. | Probable during 1886-87. | Amount. | Total. | | |
| Rs. | Rs. | Rs. | Rs. | | |
| 1,29,000 | 17,663 | 4,000 | ... | 1 | G.O., No. 336 I., dated 30th March 1885. |
| ... | ... | 2,000 | ... | 2 | |
| ... | ... | 3,000 | ... | 3 | |
| | | | 9,000 | | |
| ... | 65,374 | 1,20,000 | ... | 4 | G.O., No. 3584, dated 9th February 1886. |
| ... | ... | 1,760 | ... | 5 | Board's Proceedings, No. 6480, dated 10th November 1882. |
| | | | 1,21,760 | | |
| ... | ... | ... | 1,30,760 | | |

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1887-88.

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1887-88. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | Canal and Ferry Fund. | Rs. | Rs. | |
| | | | *Navigable Canals.* | | | |
| Godávari, Eastern. | ..... | 1 | Kovur-Manjer junction canal, maintenance and repairs of the completed portion. | 4,000 | 4,000 | |
| | | | *Communications.* | | | |
| Kistna, Eastern. | Bezváda ... | 2 | Maintenance of ferry road ... | 40 | 40 | |
| | | | | | 4,040 | |
| | | | Local Funds under Act V of 1884. | | | |
| Kistna, Western. | Nizampatam canal. | 3 | Maintenance of canal left bank between Nandivelugu and Kuchipudi. | 350 | | |
| | Kistna right bank. | 4 | Maintenance of Kistna right bank between Pennumudi and Kollur. | 650 | | |
| Nellore ... | Nellore ... | 5 | Gravelling the Pennér anicut roadway. | 600 | | |
| South Arcot ... | Chidambaram taluk. | 6 | Repairing a portion of road from Shatiatope to Omampulayoor passing over the Veeranam tank-bund, 9 miles, at Rs. 100 per mile. | 900 | | |
| Do. ... | Do. ... | 7 | Repairing road on the Coleroon bank, 20 miles, at Rs. 100 per mile. | 2,000 | | |
| Do. ... | Do. ... | 8 | Repairing road on right bank of Khan Sahib's canal, 6 miles, at Rs. 75 per mile. | 450 | | |
| Do. ... | Do. ... | 9 | Repairing road from Vriddhá-chalam road, 11 miles, to Kandiamallore by Perumal tank bank, 10 miles (3 miles at Rs. 50 and 7 at Rs. 20 per mile). | 290 | | |
| Do. ... | Do. ... | 10 | Rebuilding the arches, parapets, &c., of the bridge over the Shatiatope anicut. | 3,000 | | |
| Trichinopoly ... | Trichinopoly and Udayár-pálaiyam. | 11 | Road No. 20 from Sirudiyur *vid* Sengaveyur to lower anicut, 20 miles, at Rs. 50 per mile. | 1,000 | | |
| Tanjore ... | Kumbakónam. | 12 | Road No. 12 from Auduthorai to Tranquebar, 3½ miles, at Rs. 50 per mile. | 175 | | |
| Do. ... | Kumbakónam. | 13 | Road No. 47 along the right bank of Thirumalarajanar from road No. 14 eastward, 5½ miles, at Rs. 50 per mile. | 275 | | |
| Do. ... | Kumbakónam, Máyavaram and Shiyáli. | 14 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 28 miles, at Rs. 50 per mile. | 1,400 | | |
| | | | Carried over ... | 11,090 | 4,040 | |





GOVERNMENT OF MADRAS.

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LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1887-88—*cont.*

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1887-88. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | Brought forward ... | Rs. 11,090 | Rs. 4,040 | |
| | | | Local Funds under Act V of 1884—*cont.* | | | |
| Tanjore ... | Kumbakónam. | 15 | Road No. 79 along the Arasillár south bank, 3¼ miles, at Rs. 40 per mile. | 130 | | |
| Do. ... | Tanjore ... | 16 | Road along the right bank of the Vennár from road No. 39 eastwards, 3 miles, at Rs. 50 per mile. | 150 | | |
| Do. ... | Do. ... | 17 | Road along Cauvery right bank from Vennár head to Thohoor, 2 miles, at Rs. 50 per mile. | 100 | | |
| Do. | Kumbakónam. | 18 | Road No. 90 along the south bank of the Vennár, east of road No. 4 to Udaramangalam village, 3½ miles, at Rs. 60 per mile. | 210 | | |
| Do. ... | Tanjore ... | 19 | Road from road No. 39 to Haridwaramangalam, 6 miles, at Rs. 50 per mile. | 300 | | |
| Do. ... | Máyavaram ... | 20 | Road No. 12 from Auduthorai to Tranquebar, 23 miles, at Rs. 75 per mile. | 1,725 | | |
| Do. ... | Máyavaram and Shiyáli. | 21 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 28th to 31st mile. | 250 | | |
| Do. ... | Nannilam ... | 22 | Road No. 79 along the Arasillár south bank, 12½ miles, at Rs. 50 per mile. | 625 | | |
| Do. ... | Do. ... | 23 | Road No. 46 from Nagore to Kangalangery along the Vetár south bank to connect No. 16 with No. 35, 18½ miles, at Rs. 50 per mile. | 1,200 | | |
| Negapatam ... | Tiruturaipúndi | 24 | Road No. 51 from Maniyar along the south bank of the Hari-chandranadi, 13½ miles, at Rs. 100 per mile. | 1,340 | | |
| Do. ... | Do. ... | 25 | Road No. 63 from No. 26 near Tiruturaipúndi or from Ponáni to Kullimodoo, 11¾ miles. | 1,270 | | |
| Do. ... | Mannárgudi ... | 26 | Road No 51 from road No. 18 to Mudyar head and joining road No 35 and thence to Thalamayer, 9 miles, at Rs. 75 per mile. | 673 | | |
| Do. ... | Mannárgudi .. | 27 | Road No. 90 along the north bank of the Vennár from road No. 15 and joining No. 38, 5½ miles, at Rs. 60 per mile. | 315 | | |
| Do. ... | Do. ... | 28 | Road along the left bank of the Korayar on road No. 23 to Mudyar head, 4 miles, at Rs. 40 per mile. | 190 | | |
| | | | Carried over ... | 19,568 | 4,040 | |

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1887-88—*cont.*

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1887-88. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. | Rs. | |
| | | | Brought forward ... | 19,568 | 4,040 | |
| | | | Local Funds under Act V of 1884—*cont.* | | | |
| Tanjore ... | Kumbakónam. | 29 | Road along the south bank of Tirumalairajen to connect road No. 14 with No. 15, 3⅛ miles, at Rs. 60 per mile. | 160 | | |
| | | | | | 19,728 | |
| | | | Total, Repairs ... | ... | 23,768 | |
| | | | Canal and Ferry Fund. | | | |
| | | | *Tools and Plant (Special).* | | | |
| Godávari, Eastern. | ..... | 30 | Construction and repair of ferry boats, Kovur-Manjer junction canal. | 1,500 | | |
| Do. ... | ..... | 31 | Purchase of a steamer for the Rajahmundry ferry. | 59,090 | | |
| Do. ... | ..... | 32 | Construction and repair of ferry boats. | 4,000 | | |
| | | | | | 64,590 | |



FINAL ISSUE.

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PUBLIC WORKS DEPARTMENT.

# EXCLUDED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

# GOVERNMENT OF MADRAS,

FOR THE YEAR

1887-88.

**Prepared with reference to the Government of India Resolution No. 473 A.G., dated 17th November 1880.**

Chepák,
25th April 1887.

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

## GOVERNMENT OF MADRAS.

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BUDGET ESTIMATE OF EXCLUDED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1887-88.

*Budget Estimate of Revenue that will be realized by, and on account of Excluded Local Funds of, the Public Works Department in the Madras Presidency for the year from 1st April 1887 to 31st March 1888.*

| — | Budget Estimate, 1887-88. | Budget Estimate, 1886-87. | Actuals, 1885-86. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Realized in the Public Works Department ... ... ... | ... | ... | ... |
| Total ... | ... | ... | ... |

## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM EXCLUDED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FROM 1ST APRIL 1887 TO 31ST MARCH 1888.

*Abstract of Estimated Charges from Local Funds on Public Works in the Madras Presidency from 1st April 1887 to 31st March 1888.*

| | Budget Estimate, 1887-88. | Budget Estimate, 1886-87. | Actuals, 1885-86. |
|---|---|---|---|
| ORIGINAL WORKS. | Rs. | Rs. | Rs. |
| Civil Buildings ... ... ... ... ... ... | ... | ... | 7,669 |
| Communications ... ... ... ... ... ... | ... | ... | ... |
| Miscellaneous Public Improvements ... ... ... | ... | 1,30,903 | 1,14,966 |
| Total ... | ... | 1,30,903 | 1,22,635 |
| REPAIRS. | | | |
| Civil Buildings ... ... ... ... ... ... | ... | ... | 1,260 |
| Communications ... ... ... ... ... ... | ... | ... | ... |
| Miscellaneous Public Improvements ... ... ... ... | ... | ... | 1,415 |
| Total ... | ... | ... | 2,675 |
| TOTAL, WORKS AND REPAIRS. | | | |
| Civil Buildings ... ... ... ... ... ... | ... | ... | 8,929 |
| Communications ... ... ... ... ... ... | ... | ... | ... |
| Miscellaneous Public Improvements ... ... ... ... | ... | 1,30,903 | 1,16,381 |
| Total ... | ... | 1,30,903 | 1,25,310 |
| Establishment ... ... ... ... ... ... ... | ... | 30,108 | 9,988 |
| Tools and Plant ... ... ... ... ... ... | ... | 1,309 | 1,249 |
| Grand Total ... | ... | 1,62,320 | 1,36,547 |





## GOVERNMENT OF MADRAS.

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### ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

| | Funds to which the Grant for 1887-88 are chargeable. | | | Revised Estimate, 1886-87. |
|---|---|---|---|---|
| | Municipal. | Port Fund. | Totals, 1887-88. | |
| ORIGINAL WORKS. | Rs. | Rs. | Rs. | Rs. |
| Civil Buildings ... ... ... ... ... | ... | ... | ... | 9,323 |
| Communications ... ... ... ... ... | ... | ... | ... | ... |
| Miscellaneous Public Improvements ... ... ... | ... | ... | ... | 1,41,571 |
| Total ... | ... | ... | ... | 1,50,894 |
| REPAIRS. | | | | |
| Civil Buildings ... ... ... ... ... | ... | ... | ... | 1,900 |
| Communications ... ... ... ... ... | ... | ... | ... | ... |
| Miscellaneous Public Improvements ... ... | ... | ... | ... | 4,529 |
| Total ... | ... | ... | ... | 6,429 |
| Total, Works and Repairs ... | ... | ... | ... | 1,57,323 |
| Establishment ... ... ... ... ... | ... | ... | ... | 11,984 |
| Tools and Plant ... ... ... ... ... | ... | ... | ... | 1,574 |
| Grand Total ... | ... | ... | ... | 1,70,881 |

PRELIMINARY ISSUE.

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PUBLIC WORKS DEPARTMENT.

# INCORPORATED LOCAL FUNDS BUDGET ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS,

FOR THE YEAR

1888-89.

CHEPÂK,
20th December 1887.

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

## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF INCORPORATED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1888-89.

*Budget Estimate of the Revenue that will be realised by, and on account of Incorporated Local Funds of, the Public Works Department for the year from 1st April 1888 to March 1889.*

| — | BUDGET ESTIMATE, 1888-89. | BUDGET ESTIMATE, 1887-88. | ACTUALS, 1886-87. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Realised in Public Works Department ... ... ... | 3,900 | 6,000 | 4,379 |
| Total ... | 3,900 | 6,000 | 4,379 |

## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM INCORPORATED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FOR THE YEAR 1888-89.

*Abstract of the Estimated Charges from Incorporated Local Funds on Public Works in the Madras Presidency from 1st April 1888 to March 1889.*

| | Budget Estimate, 1888-89. | Budget Estimate, 1887-88. | Actuals, 1886-87. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| **ORIGINAL WORKS.** | | | |
| Civil Buildings | ... | ... | ... |
| Communications | 70,000 | 1,30,760 | 45,345 |
| Miscellaneous Public Improvements | ... | ... | 635 |
| Total ... | 70,000 | 1,30,760 | 45,980 |
| **REPAIRS.** | | | |
| Civil Buildings | ... | ... | ... |
| Communications | 23,508 | 23,768 | 20,351 |
| Miscellaneous Public Improvements | ... | ... | 516 |
| Total ... | 23,508 | 23,768 | 20,867 |
| **TOTAL, WORKS AND REPAIRS.** | | | |
| Civil Buildings | ... | ... | ... |
| Communications | 93,508 | 1,54,528 | 65,696 |
| Miscellaneous Public Improvements | ... | ... | 1,151 |
| Total ... | 93,508 | 1,54,528 | 66,847 |
| Establishment | 34,540 | 47,487 | 36,423 |
| Tools and Plant | 51,722 | 65,985 | 373 |
| Grand Total ... | 1,79,770 | 2,68,000 | 1,03,643 |





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## GOVERNMENT OF MADRAS.

ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

| | Funds to which Grants for 1888-89 are chargeable. | | | | | Revised Estimate, 1887-88. |
|---|---|---|---|---|---|---|
| | Local Funds under Act V of 1884. | Police Lodging Fund. | Canal and Ferry Fund. | Jungle Conservancy Fund. | Total, 1888-89. | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| **ORIGINAL WORKS.** | | | | | | |
| Civil Buildings | ... | ... | ... | ... | ... | ... |
| Communications | 70,000 | ... | ... | ... | 70,000 | 1,35,556 |
| Miscellaneous Public Improvements ... | ... | ... | ... | ... | ... | ... |
| Total ... | 70,000 | ... | ... | ... | 70,000 | 1,35,556 |
| **REPAIRS.** | | | | | | |
| Civil Buildings | ... | ... | ... | ... | ... | ... |
| Communications | 18,468 | ... | 5,040 | ... | 23,508 | 24,676 |
| Miscellaneous Public Improvements ... | ... | ... | ... | ... | ... | ... |
| Total ... | 18,468 | ... | 5,040 | ... | 23,508 | 24,676 |
| Total, Works and Repairs ... | 88,468 | ... | 5,040 | ... | 93,508 | 1,60,232 |
| Establishment ... | 33,380 | ... | 1,160 | ... | 34,540 | 47,879 |
| Tools and Plant | 1,147 | ... | 50,575 | ... | 51,722 | 65,075 |
| Grand Total ... | 1,22,995 | ... | 56,775 | ... | 1,79,770 | 2,73,186 |

INCORPORATED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

GOVERNMENT OF MADRAS.

LIST OF ORIGINAL WORKS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1888-89.

| Funds. | Executive Division. | Locality. | Item No. | Name of Work. | Amount of Estimate. | Outlay. Actual to end of 1886-87. | Outlay. Probable during 1887-88. | Grant, 1888-89. Amount. | Grant, 1888-89. Total. | Item No. | Remarks and References. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Rs. | Rs. | Rs. | Rs. | Rs. | | |
| | | | | Communications. | | | | | | | |
| | | | | *Original Works.* | | | | | | | |
| Local Funds under Act V of 1884. | Madura ... | Madura ... | 1 | Construction of a bridge over the Vaigai river. | 3,21,460 | 27,171 | 1,20,000 | 70,000 | ... | 1 | G.O., No. 2763 W., dated 17th October 1887. |
| | | | | Total, Communications ... | ... | ... | ... | 70,000 | 70,000 | | |
| | | | | Total, Original Works ... | ... | ... | ... | ... | 70,000 | | |





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GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1888-89.

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1888-89. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | Canal and Ferry Fund. | Rs. | Rs. | |
| | | | *Communications.* | | | |
| | | | Repairs. | | | |
| Godávari, Eastern. | ..... | 1 | Repairs to Kovur-Manjer junction canal. | 5,000 | | |
| Kistna, Eastern. | Bezváda ... | 2 | Maintenance of ferry road ... | 40 | 5,040 | |
| | | | Local Funds under Act V of 1884. | | | |
| | | | *Communications.* | | | |
| | | | Repairs. | | | |
| Ganjam ... | ..... | 3 | Maintenance of 4 miles of Aska-Surada road. | 400 | | |
| Kistna, Western. | Nizampatam canal. | 4 | Maintenance of canal left bank between Nandivelugu and Kuchipudi. | 350 | | |
| Do. ... | Kistna right bank. | 5 | Maintenance of Kistna right bank between Pennumudi and Kollur. | 650 | | |
| Nellore ... | Nellore ... | 6 | Gravelling the Pennér anicut roadway. | 600 | | |
| South Arcot ... | Chidambaram taluk. | 7 | Repairing a portion of road from Shatiatope to Omampulayoor passing over the Veeranam tank-bund, 9 miles, at Rs. 100 per mile. | 900 | | |
| Do. ... | Do. ... | 8 | Repairing road on the Coleroon bank, 20 miles, at Rs. 100 per mile. | 2,000 | | |
| Do. ... | Do. ... | 9 | Repairing road on right bank of Khan Sahib's canal, 6 miles, at Rs. 75 per mile. | 450 | | |
| Do. ... | Cuddalore taluk. | 10 | Repairing road from Vriddhachalam road, 11 miles, to Kandiamallore by Perumal tank bank, 10 miles (3 miles at Rs. 50 each and 7 at Rs. 20 each). | 290 | | |
| Trichinopoly ... | Trichinopoly and Udayárpálaiyam. | 11 | Road No. 20 from Sirudiyur *vid* Sankarayen to lower anicut, 20 miles, at Rs. 50 per mile. | 1,000 | | |
| Tanjore ... | Tanjore ... | 12 | Road along the right bank of the Vennár from road No. 39 eastwards, 3 miles, at Rs. 50 per mile. | 150 | | |
| Do. ... | Do. ... | 13 | Road No. 90 along the south bank of the Vennár, east of road No. 4 to Udaramangalam village, 3½ miles, at Rs. 60 per mile. | 210 | | |
| Do. ... | Do. ... | 14 | Road from road No. 39 to Haridwaramangalam, 6 miles, at Rs. 50 per mile. | 300 | | |
| Do. ... | Do. ... | 15 | Road No. 6 from Tanjore to Govindagudi, 4 miles, from 51st to 54th mile, at Rs. 90 per mile | 360 | | |
| | | | Carried over ... | 7,660 | 5,040 | |





GOVERNMENT OF MADRAS.

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LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1888-89—*cont.*

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1888-89. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. | Rs. | |
| | | | Brought forward ... | 7,660 | 5,040 | |
| | | | Local Funds under Act V of 1884—*cont.* | | | |
| | | | *Communications*—cont. | | | |
| | | | Repairs—*cont.* | | | |
| Tanjore ... | Tanjore ... | 16 | Road from Cauvery-Vennár Regulator to Pudur, 1½ miles, at Rs. 35 per mile. | 50 | | |
| Do. ... | Do. ... | 17 | Road along Cauvery right bank from Vennár head to Thohoor, 2 miles, at Rs. 50 per mile. | 100 | | |
| Do. ... | Kumbakónam. | 18 | Road No. 12 from Auduthorai to Tranquebar, 3½ miles, at Rs. 50 per mile. | 175 | | |
| Do. ... | Do. ... | 19 | Road No. 47 along the right bank of Thirumalarajenar from road No. 14 eastwards, 5½ miles, at Rs. 50 per mile. | 275 | | |
| Do. ... | Do. ... | 20 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 1 to 7 miles inclusive, at Rs. 50 per mile. | 350 | | |
| Do. ... | Do. ... | 21 | Road No. 79 along the south bank of Arasillár, 3¼ miles, at Rs. 40 per mile. | 130 | | |
| Do. ... | Do. ... | 22 | Road along the south bank of Thirumalarajenar to connect road No. 14 with No. 15, 3⅓ miles, at Rs. 60 per mile. | 190 | | |
| Do. ... | Mayavaram ... | 23 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 8th to 17th mile, at Rs. 50 per mile. | 520 | | |
| Do. ... | Do. .. | 24 | Road No. 12 from Auduthorai to Tranquebar, 23 miles, at Rs. 75 per mile. | 1,725 | | |
| Do. ... | Shiyáli ... | 25 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 18th to 28th mile, at Rs. 50 per mile. | 530 | | |
| Do. ... | Do. ... | 26 | Road No. 70 along the Coleroon south bank from lower anicut to Anaikára chattram, 28th to 31st mile. | 250 | | |
| Do. ... | Nannilam ... | 27 | Road No. 79 along Arasillár south bank, 12½ miles, at Rs. 50 per mile. | 625 | | |
| Do. ... | Do. ... | 28 | Road No. 46 from Nagore to Kangalangery along the Vetár south bank to connect road No. 16 with No. 35, 16½ miles, at Rs. 60 per mile. | 990 | | |
| | | | Carried over ... | 13,570 | 5,040 | |

GOVERNMENT OF MADRAS.

LIST OF REPAIRS PROPOSED TO BE CARRIED OUT BY THE PUBLIC WORKS DEPARTMENT DURING 1888-89—*cont.*

| Executive Division. | Locality. | Item No. | Name of Work. | Grant, 1888-89. | Total. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. | Rs. | |
| | | | Brought forward ... | 13,570 | 5,040 | |
| | | | Local Funds under Act V of 1884—*cont.* | | | |
| | | | *Communications*—cont. | | | |
| | | | Repairs—*cont.* | | | |
| Tanjore ... | Tanjore ... | 29 | Road No. 6 from Tanjore to Govindagudi, 10 miles, at Rs. 90 per mile. | 900 | | |
| Negapatam ... | Tiruturaipúndi | 30 | Road No. 51 from Maniyar along the south bank of the Harichandranadi, 13¼ miles, at Rs. 100 per mile. | 1,340 | | |
| Do. ... | Do. ... | 31 | Road No. 63 from No. 26 near Tiruturaipúndi or from Ponáni to Kullimodoo, 11¾ miles. | 1,270 | | |
| Do. ... | Mannárgudi ... | 32 | Road No 51 from road No. 18 to Mudyar head and joining road No. 35 and thence to Thalamayer, 9 miles, at Rs. 75 per mile. | 673 | | |
| Do. ... | Do. ... | 33 | Road No. 90 along the north bank of the Vennár from road No. 15 and joining No. 38, 5¼ miles, at Rs. 60 per mile. | 315 | | |
| Do. ... | Do. ... | 34 | Road along the left bank of the Korayar on road No. 23 to Mudyar head, 4 miles, at Rs. 40 per mile. | 190 | | |
| Do. ... | Negapatam ... | 35 | Road No. 46 from Nagore to Kangalangery along the Vettár south bank. | 210 | | |
| | | | Total, Local Funds under Act V of 1884. | ... | 18,468 | |
| | | | Total, Repairs ... | ... | 23,508 | |
| | | | Canal and Ferry Fund. | | | |
| | | | *Tools and Plant (Special).* | | | |
| Godávari, Eastern. | ..... | 36 | Construction and repair of ferry boats on the Kovur-Manjer junction canal. | 500 | | |
| Do. ... | ..... | 37 | Purchase of a steamer for the Rajahmundry ferry. | 50,000 | | |
| | | | Total ... | ... | 50,500 | |



PRELIMINARY ISSUE.

295/26

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

MADRAS.

PUBLIC WORKS DEPARTMENT.

# EXCLUDED LOCAL FUNDS BUDGET ESTIMATE

OF THE

## PUBLIC WORKS DEPARTMENT

OF THE

## GOVERNMENT OF MADRAS,

FOR THE YEAR

## 1888-89.

**Prepared with reference to the Government of India Resolution No. 473 A.G., dated 17th November 1880.**

Chepâk,
20th December 1887.

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

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## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXCLUDED LOCAL FUNDS PUBLIC WORKS REVENUE IN THE MADRAS PRESIDENCY FOR THE YEAR 1888-89.

*Budget Estimate of Revenue that will be realised by, and on account of Excluded Local Funds of, the Public Works Department in the Madras Presidency for the year from 1st April 1888 to 31st March 1889.*

| — | BUDGET ESTIMATE, 1888-89. | BUDGET ESTIMATE, 1887-88. | ACTUALS, 1886-87. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| Realised in the Public Works Department ... ... ... | 15 | ... | 9 |
| Total ... | 15 | ... | 9 |

## GOVERNMENT OF MADRAS.

BUDGET ESTIMATE OF EXPENDITURE FROM EXCLUDED LOCAL FUNDS ON PUBLIC WORKS IN THE MADRAS PRESIDENCY FROM 1ST APRIL 1888 TO 31ST MARCH 1889.

*Abstract of Estimated Charges from Local Funds on Public Works in the Madras Presidency from 1st April 1888 to 31st March 1889.*

| | Budget Estimate, 1888-89. | Budget Estimate, 1887-88. | Actuals, 1886-87. |
|---|---|---|---|
| | Rs. | Rs. | Rs. |
| ORIGINAL WORKS. | | | |
| Civil Buildings | 5,000 | ... | 9,254 |
| Communications | ... | ... | ... |
| Miscellaneous Public Improvements | 22,220 | ... | 1,20,870 |
| Total ... | 27,220 | ... | 1,30,124 |
| REPAIRS. | | | |
| Civil Buildings | ... | ... | 1,881 |
| Communications | ... | ... | ... |
| Miscellaneous Public Improvements | ... | ... | 1,746 |
| Total ... | ... | ... | 3,627 |
| TOTAL, WORKS AND REPAIRS. | | | |
| Civil Buildings | 5,000 | ... | 11,135 |
| Communications | ... | ... | ... |
| Miscellaneous Public Improvements | 22,220 | ... | 1,22,616 |
| Total ... | 27,220 | ... | 1,33,751 |
| Establishment | 6,262 | ... | 11,137 |
| Tools and Plant | 408 | ... | 1,179 |
| Grand Total ... | 33,890 | ... | 1,46,067 |





## GOVERNMENT OF MADRAS.

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### ABSTRACT OF GRANTS ASSIGNED BY FUNDS.

| | Funds to which the Grant for 1888-89 are chargeable. | | | Revised Estimate, 1887-88. |
|---|---|---|---|---|
| | Municipal. | Port Fund. | Totals, 1888-89. | |
| | Rs. | Rs. | Rs. | Rs. |
| ORIGINAL WORKS. | | | | |
| Civil Buildings | ... | 5,000 | 5,000 | 410 |
| Communications | ... | ... | ... | ... |
| Miscellaneous Public Improvements | ... | 22,220 | 22,220 | 1,12,187 |
| Total ... | ... | 27,220 | 27,220 | 1,12,597 |
| REPAIRS. | | | | |
| Civil Buildings | ... | ... | ... | 5,117 |
| Communications | ... | ... | ... | ... |
| Miscellaneous Public Improvements | ... | ... | ... | 9,304 |
| Total ... | ... | ... | ... | 14,421 |
| Total, Works and Repairs ... | ... | 27,220 | 27,220 | 1,27,018 |
| Establishment | ... | 6,262 | 6,262 | 6,790 |
| Tools and Plant | ... | 408 | 408 | 443 |
| Grand Total ... | ... | 33,890 | 33,890 | 1,34,251 |

EXCLUDED LOCAL FUNDS.
PUBLIC WORKS BUDGET ESTIMATE.

APPENDIX TO G.O., No. 3472 W.,

GOVERNMENT

DATED 20TH DECEMBER 1887.

OF MADRAS.

LIST OF ORIGINAL WORKS PROPOSED TO BE CARRIED OUT

| Funds. | Executive Division. | Locality. | Item No. | Name of Work. | Amount of Estimate. |
|---|---|---|---|---|---|
| | | | | | Rs. |
| | | | | CIVIL BUILDINGS. | |
| | | | | Original Works. | |
| Port Fund ... | Vizagapatam. | Gopálpur ... | 1 | Constructing a house for the Port Officer. | ... |
| | | | | Total, Civil Buildings ... | ... |
| | | | | MISCELLANEOUS PUBLIC IMPROVEMENTS. | |
| | | | | Original Works. | |
| Do. ... | Negapatam ... | Negapatam ... | 2 | Extending the jetty wall ... ... | ... |
| | | | | Total, Miscellaneous Public Improvements ... | ... |
| | | | | Total, Original Works ... | ... |



BY THE PUBLIC WORKS DEPARTMENT DURING 1888-89.

| Outlay. | | Grant, 1888-89. | | Item No. | Remarks and References. |
|---|---|---|---|---|---|
| Actual to end of 1886-87. | Probable during 1887-88. | Amount. | Total. | | |
| Rs. | Rs. | Rs. | Rs. | | |
| ... | ... | 5,000 | ... | 1 | Estimate is awaited. |
| ... | ... | 5,000 | 5,000 | | |
| ... | ... | 22,220 | ... | 2 | Estimate is awaited. |
| ... | ... | 22,220 | 22,220 | | |
| ... | ... | ... | 27,220 | | |

PUBLIC WORKS DEPARTMENT.

No. 295 W

19E/29

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 24th January 1889

READ the following

Proceedings of Government, Revenue Department, P.W.E. No. 1121, dated 12th December 1888

Communicated to the Superintending Engineers I and II Circles and the Examiner of Public Works Accounts.

2. The current year's grant for the purchase of a steamer for the Rajahmundry Ferry is Rs 57,092 and not Rs 59,540 as assumed by the Revenue Department. This provision has been withdrawn by the Revenue Department, and a sum of Rs 59,540 allotted for 1888-89. The necessary alterations will be made in the final issue of the Incorporated Local Fund Budget Estimate of 1888-89.

G.O. 1130a dated 25th April 1887.

3. The current year's grant of Rs 2000 for improvement of landing places at Dowlaiswaram, having been reduced to Rs 500, the balance, Rs 1500, together with the proportionate charges for Establishment and Tools and

and Plant, or Rs 1868 in all, will be replaced at the disposal of the Revenue Department.

4. The provision of Rs 500 for repairs to the ferry boats on the Kovur Munpar canal in the preliminary issue of the Incorporated Local Funds budget for 1888-89 has been increased to Rs 1000. The excess will be included in the final issue of the budget. The allotments made for the additional works detailed in the margin will also be included in the final issue

5. It is observed that the amounts provided for Establishment and Tools and Plant, include percentage charges on the construction and repair of ferry boats. ~~This provision~~ As the supply of ferry boats is unnecessary, a ferry boat constructed at the C.D. Workshops includes all authorised percentages vide Memo. No. 635 D dated 4th October 1887. A reduction of Rs. 1,710 from the grant will therefore be made.

23.1.88

23/1/88

R.S. 23/1

* Construction of bridges over irrigation canals and drainage channels — Rs 7,000
Construction and repair of ferry boats — " 6,000

Rs. 4,650

× being 24½ percent on (6000 + 1000) provision for ferry boats — Rs 1,710

To deducted by the Rev. Dept. from the State

Supdg Engineers I & II Circles
The Examiner of Accts
Revenue Department.

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Govt. of [1887] Madras.

PUBLIC WORKS.

Dated

Read

R.P.

G.O. No. 295 W.

24 Jan 1888

Canal & Feeder Fund

Un Met

Government

Irrigation Revenue Dept:

Revenue for

1888-89.

90

5

[illegible]